Self Study Report

Submitted to

National Assessment and Accreditation Council (NAAC)

PO Box No. 1075, Nagarabhavi, Bangalore – 560072

April, 2017

Submitted By

SJB Institute of Technology

#67, BGS Health & Education City,

Kengeri, Bengaluru – 560 060

|| Jai Sri Gurudev ||

SRI ADICHUNCHANAGIRI SHIKSHANA TRUST (R.)

SJB Institute of Technology

(Affiliated to Visveswaraya Technological University, Belgaum and Approved by AICTE - New Delhi)

BGS HEALTH & EDUCATION CITY

No. 67, Uttarahalli Road, Adjacent to Abhiman Studio, Kengeri, Bangalore South - 560 060.

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Ref : SJBIT / ADM / 16 / 2017-18 Date : 20/04/17

To,
The Director,
National Assessment and Accreditation Council (NAAC),
PO Box 1075, Nagarbhavi,
Bengaluru - 560072.

Sir,

Sub: Submission of Hardcopies of SSR with respect to institution bearing track ID ***KACOGN27260***– reg.

Ref: Acceptance of LOI intimation through e-mail dated 11/04/2017.

With reference to the above subject, we extend the gratitude for accepting our application for accreditation bearing track ID ***KACOGN27260***. And, as per your guidelines we are hereby submitting five copies of hardcopy of Self-Study Report and soft copy in a CD. The self-study report is uploaded on the institutional website www.sjbit.edu.in.

Find enclosed the applicable A&A fee of Rs. 3,45,000/- (Three Lakh forty five thousand only) via DD bearing no. 685511 drawn on Canara Bank on 17/04/2017. The total fee is inclusive of applicable service tax of 15% on Rs. 3,00,000/-.

In this regard, we request your kind self to consider our application for accreditation and let us know the due process to be followed further from our side and we will be great full for the same.

Thanking you,

Yours Sincerely,

(Dr. Puttaraju)
Principal
SJB Institute of Technology
BGS Health & Education City
No. 67, Uttarahalli Road, Kengeri
Bangalore South - 560 060.

Encl.: 1) Five hard copies of SSR,
2) One CD containing soft copy of the SSR,
3) DD bearing no. 685511 for Rs. 3,45,000/-

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A. PREFACE

This self-study report is submitted to NAAC as a part of its journey towards excellence on behalf of the management and SJB Institute of Technology

SRI ADICHUNCHANAGIRI SHIKSHANA TRUST ®

Sri Kshetra Adichunchanagiri has a history of 2000 years of its existences. It is the holy land engulfed with the divine resonance and vibration. Ancient Vedic culture was founded here on spirituality. Where Nature is valued and worshipped. It was yagnas and prayers that inspired comic peace. Sri Kshetra is blessed by Lord Shiva. Lord Shiva performed penance at Sri Kshetra, during which he devoured two demons, Chuncha and Kancha, who were pestering elements of the area for a very long time. At the end of his austerity, Lord Shiva entrusted a Siddayogi, establishing a 'Natha Tradition' and guided him to disseminate the righteousness in the society.

Sri Adichunchanagiri Shikshana Trust ® was formed in the year 1974 by His Holiness Jagadguru Paramapoojya Padmabhushana Sri Sri Sri Dr. Balagangadharanatha Maha Swamiji. What began with a primary school has now grown into holistic group of institutions imparting quality education in the field of Science and Technology, Arts, commerce, Management, Architecture, Medical and Paramedical courses across the country. Importance is given to impart three components of education - intellectual, spiritual & physical needs of students. With this vision, trust has started 500 educational units across the country, benefiting more than one Lakh students every year. The trust also runs free residential schools, hostels and blind school to help poor and needy. Currently Sri Adichunchanagiri Shikshana Trust ® is headed by his Holiness Jagadguru Sri Sri Sri Dr. Nirmalanandhanatha Maha Swamiji, President of Sri Adichunchanagiri Shikshana Trust ®

The Trust recognizes the importance of all round education in today's world and that it requires outstanding facilities, excellent faculty to create a learning environment.

The trust developed state of the art infrastructure and carefully recruited best-in-class human resource in both teaching and administration in each of its educational institutions.

SJB INSTITUTE OF TECHNOLOGY

Sri Jagadguru Balagangadharanatha Swamiji Institute of Technology (SJBIT) was established in the year 2001. SJBIT is a flagship institute of Sri Adichunchanagiri Shikshana Trust. SJBIT is recognized as the leading private Engineering College in the country. Many independent organizations and media houses have ranked SJBIT as the top engineering college in the country. Spread across 13.0 acre, the SJBIT is located amidst peace and tranquility. SJBIT is committed to personal, social & intellectual growth emphasizing a comprehensive educational programme leading to high academic standards. The institution is affiliated to Visvesvaraya Technological University, Belagavi. SJBIT offers six UG programmes, ten PG programmes and seven research programmes. All the programmes are approved by All India council for Technical education (AICTE) and DTE, Govt. of Karnataka.

VISION, MISSION AND OBJECTIVES

Vision:

To become a recognized technical education center with global perspective.

Mission:

To provide learning opportunities that fosters students ethical values, intelligent development in science & technology and social responsibility so that they become sensible and contributing members of the society.

Objectives:

- To impart quality education through moral, ethical and social responsibilities in the field of education.
- To motivate the students to bring out their creative potential and nurture the spirit of critical thinking.
- To facilitate value-based holistic learning by integrating contemporary and innovative learning practices to match the highest Quality standards.
- To equip students with the skills needed to adapt better to the changing global scenario and gain access to multiple career opportunities.
- To maintain the state-of-the-art infrastructure and signing MOUs with industries and institutes of international repute.
- To establish indigenous Research and Development centers to address the issues and challenges of all the stakeholders.
- To enrich the quality of teaching and learning process by adopting innovative

teaching methods and be abreast with cutting-edge technologies.

ACCOMPLISHMENTS

- Winner of National Employability Award-2013 and 2014.
- The institution has been honored as "Excellent Training & Placements Institute in Karnataka" by VTU, AICTE, CMAI, AIU, Govt of India MNRE / MSME, NELIT, DeITy, NIXI, AIMS, EI at Visvesvaraya Technical University, Auditorium, VTU Regional office, Bangalore on 9th August 2014.
- Certified as “Trusted academic partner” by Wipro technology.
- Accredited by TATA consultancy services.

RESEARCH INITIATIVES

- Institution has established VTU recognized R&D center in all the departments.
- High bandwidth internet connectivity and Wi-Fi facility is made available for the students and faculty
- The library provides access to E-journals, printed journals, reference material and thus supports the research work of students and faculty.
- Besides the above common facilities, Project laboratories and special/advanced equipment laboratories with appropriate software of individual departments helps the research activities to a greater extent.
- Institution has established research labs which are availed by the faculty and students.
- Each Department has project lab for students
- Institution encourages students and research scholars to visit specialized laboratories setup at external industries and Institutions.
- Holds institutional membership of various professional bodies such as ISTE, IEEE, CSI, IEI, IIPE, IAENG and ICI.
- The institution has signed MOU with Emc2, Arm Processor, FOSSEE, IIT Bombay, Nihon Communication Solutions Pvt.Ltd, BGS Hospital, Vinayaka Network Gurukula, Ethnotech, Bangalore and Spaneos Software Solutions.
- CETRAT, NI Lab view, CISCO and Apple Technologies have setup Laboratories in the institution to promote research and development activities.

STUDENT ACTIVITIES AND COMMUNITY SERVICES PROGRAMS

The college encourages the faculty and students to initiate, participate and

implement the programmes which contribute to societal awareness for various issues. NSS units of the institute regularly conduct camps in the nearby villages in order to create an Insight into the societal needs in the minds of the students. This motivates the students to participate in social outreach programmes which would benefit children in nearby villages.

A few of such programme conducted includes

- Awareness on Eradication of Child Labour
- Educating people on Health and Hygiene issues
- Conducting Computer Literacy Programmes
- Celebrating International Literacy day
- Celebrating Sadbhavana Dina
- Celebrating Independence Day and other national festivals
- Sapling Plantation programmes
- Visiting Blind School and helping them financially
- Visited Religious Mutts and donated amount for the “Anna Dasoha Program" to provide food for the needy people

B. EXECUTIVE SUMMARY

SJB institute of Technology, an affiliated institute of Visvesvaraya Technological University, Belgaum came to existence in the year 2001. The institution has set itself a vision to be a leader in Technical education, interdisciplinary research and innovation with a focus on sustainable and inclusive technologies.

A. CURRICULAR ASPECT

Sri Jagadguru Balagangadharanatha Swamiji Institute of Technology (SJBIT) was established in the year 2001. SJBIT is a flagship institute of Sri Adichunchanagiri Shikshana Trust. SJBIT is recognized as the leading private Engineering College in the country. Many independent organizations and media houses have ranked SJBIT as the top engineering college in the country. Spread across 13.0 arce, the SJBIT is located amidst peace and tranquility. SJBIT is committed to personal, social & intellectual growth emphasizing a comprehensive educational programme leading to high academic standards. The institution is affiliated to Visvesvaraya Technological University, Belagavi. SJBIT offers six UG programmes, ten PG programmes and seven research programmes. All the programmes are approved by All India council for Technical education (AICTE) and DTE, Govt. of Karnataka.

As the college is affiliated to Visvesvaraya Technological University, Belagavi, the college follows the University-prescribed curriculum. The Institution meticulously develops action plans for effective implementation of the curriculum and highest priority is given for academics. Teachers are encouraged to impart the curriculum through innovative teaching methods including power point presentations, assignments, discussions, workshops, seminars, industrial visits, e-learning apart from regular/conventional chalk and talk methods.

The institution makes consistent efforts to supplement the University curriculum by organizing activities, which focus on integrating academic and general development of students. They are as follows: Guest lectures, Workshops, face to face interactions between industry experts and students. Field work and field surveys in the form of short term projects. Motivating students to participate in various intra and intercollegiate competitions. Use of Communication laboratory to improve basic linguistic skills of students. Assigning short term research projects to students under

the guidance of teachers. Student clubs, which provide a platform for students to interact and showcase their academic abilities and other talents.

B. TEACHING-LEARNINGANDEVALUATION

The teaching-learning strategies are structured to facilitate the achievement of the intended learning outcomes by designing the academic plan, lesson plan, innovative teaching-learning methods, MOU‘s with industry and research bodies, industrial visits. Providing an opportunity in curricular, co-curricular, extracurricular, project exhibitions in and out of the campus, organizing conference, seminars, workshops, guest lectures, training programmes, which facilitates achievement of learning outcomes.

The total quality management team (TQMT) is formulated by the institution drawing senior faculty members from all the departments. The team will visit individual department twice in a semester to assess the department performance in terms of delivering quality education and overall development of student fraternity. The evaluation of the individual department is based on students centric, teacher centric and department centric activities. This will serve as a bench mark to all the departments to practice and adopt the innovative teaching pedagogy that results in better teaching learning process.

The institution has made an elaborative plan by inducting various committees on industry visits, technical quiz, incubation centers, domain specific software’s, e-learning materials, digital library, science and technology exhibition, student project models, cultural and techno fest, national and international conference, symposium, and industry integrated certification programmes. The institution organized wide spectrum of programmes in the domains of engineering and management. The institution believes in integrating technology to teaching methods in this regard the institution has collaborated with apple technologies, to provide hands-on experience on IOS development, i-MAC and i-Pad devices.

C. RESEARCH, CONSULTANCY AND EXTENSION

SJB Research foundation, an independent registered body under the aegis of SJBIT is established to cater the research requirements of the institution. The foundation is setup with the principles of integrating all the domain specific knowledge under on common umbrella so that interdisciplinary research is possible. In the last four years, the foundation has successfully conducted various training

programmes to achieve these objectives. The Institution has made concerted efforts to attract researchers of eminence and academicians to visit the campus and interact with teachers and students through various means such as guest lectures, tech talks, invited lectures, symposium, seminars, international conference and workshops. The awareness about the latest research available at Institution level is shared among the students and faculty. Faculty members have successfully published books on their research findings and filed patents, publications in top notch journals, invited as resource person for various workshops and guiding research scholars.

Institution encourages students and research scholars to visit specialized laboratories setup at external industries and Institutions. Holds institutional membership of various professional bodies such as ISTE, IEEE, CSI, IEI, IIPE, IAENG and ICI. The institution has signed MOU with Emc2, Arm Processor, FOSSEE, IIT Bombay, Nihon Communication Solutions Pvt. Ltd, BGS Hospital, Vinayaka Network Gurukula, Ethnotech, Bangalore and Spaneos Software Solutions Pvt. Ltd for R and D activities.

Institution has a strong liaison with the Industry. An Institution – Industry interaction cell is established. It meets regularly to enhance the industry participation in the academics. Following are the areas of Interaction with Industry.

- Industry experts are involved in curriculum development.
- They are also invited as resource persons and evaluators for faculty and students programs.
- Institution plans visits of faculty and students to industry and interact.
- Faculty and Students are involved in industry-sponsored projects.
- The college encourages the faculty and students to initiate, participate and implement the programmes, which contribute to societal awareness for various issues. NSS units of the institute regularly conduct camps in the nearby villages in order to create an Insight into the societal needs in the minds of the students. This motivates the students to participate in social outreach programmes, which would benefit children in nearby villages.

D. PHYSICAL INFRASTRUCTURE & LEARNING RESOURCES

The Organization has a positive approach towards creation and enhancement of Infrastructure of the institution. Institution interacts frequently with all stakeholders for taking continuous feedback and is routinely updated according to the prerequisites. Necessary budget is allocated for creation, enhancement and up

gradation of infrastructure. The funds obtained from other agencies have been well utilized for expansion of infrastructure, and other developmental activities.

The institution is spread across 13 acres of land. The total built up area is around 56885.38 Sq.m. Almost every computer in the campus is connected to Internet facility. The institution is Wi-Fi enabled with a bandwidth of 45 Mbps. Internet facility is available in the institution for faculty and students. The College has a digital library. The facilities are utilized by faculty: Internal / External Communication through emails, Research work/ e-Resources, Preparation of Teaching / Learning materials, Uninterrupted power supply (UPS) is made available in the department so that the students and staff can access the computers without any interruption. Institution has been provided with sufficient ICT resources. Faculty and students are encouraged to use ICT resources extensively like availability of e-resources in web portal, digital library etc. Classrooms are well equipped projectors to enable the power point presentation for interaction sessions between students and faculties.

E. STUDENT MENTORING AND SUPPORT FOR PROGRESSION

The institution has a very effective Mentoring System in which fifteen students allotted to a mentor (faculty). The mentor convenes a meeting on monthly basis with the students to discuss the overall performance and progress of the student. The Mentors render help the students by guiding them in their studies, career planning, setting goals etc. The mentors also address the students‟ personal and psycho- social issues to make them feel more confident and composed. Systematic career guidance is given to the students.

The Training and Placement Department under the able guidance of the Principal and the Director –Training and Placements, has a structured mechanism of career guidance and counseling. Different placement related training programs are conducted for the students for better employability.

The institution has a Grievance Redressal Cell, which actively interacts with the students to help them to sort out any of their grievances. It attends to both registered and unregistered grievances of the students. The students have the facility to drop their grievances in the suggestion box. The students are given freedom to lodge their complaints before the principal, their HOD or directly to the committee head. The necessary actions are taken after issues discussed in the concerned cell.

To safeguard the rights of girl students, their protection and to bring about growth and development, and to empower anti -sexual harassment committee was setup in our Institution. The aim of the committee is to create awareness among girl students about their responsibilities and rights and to provide a conducive environment for women staffs and students. The cell looks into any matter related to harassment of the women faculty and students by a senior lady faculty. The Institution has taken a decision to handle very strictly against sexual harassment if any.

The Institution has an Alumni Association, which plays a vital role. The alumni association helps in building a network of the alumni and helps in being in touch with the corporate world. The association helps in holding interactive sessions to motivate current students about the employability and educational opportunities abroad. They share their opinions in social networks, blogs and forums. The Alumni's participate through feedback on competencies gained during their course and provide valuable information to improve curricular on a continuous basis. They actively involved in academic matter through guest faculty sessions and industrial visits.

The institution facilitate GRE/TOEFL coaching for students interested in MS degree at abroad universities, GATE for students who want to flourish in technical studies. Placement training would start from first semester of the programme. Students would be having special training during the vacations, like soft skills and industry-oriented training, pre placement talks from industry people to inspire, and mock interview to train them and to fill confidence.

The institution management encourages all its students to publish their articles in the magazines/e-magazines. The technical student symposia conducted once in every academic year, by each department, the posters and brochures are designed exclusively by the students. A Faculty from the Department will act as Staff Advisor. The faculty members guide the students to carry out projects and help them in publishing magazines, and participate in various international and national conferences where they are encouraged to present/publish paper's and posters

F. GOVERNANCE, LEADERSHIP AND MANAGEMENT

Governing body council consists of eminent personalities from different areas like academics, industry, VTU, AICTE etc. who are contributing to the quality policy

maintenance and improvement programs. Institution aims at conduction of international level conferences and participation in International/national level faculty development program/workshops/seminars help students and faculties keep pace with the latest development in science and technology. Adequate numbers of highly qualified and experienced faculty members are appointed for all the programmes offered by the college. HODs meeting will be conducted every day by the Principal to daily updates about the happenings in the college. Feedback is taken from the students at regular intervals to assess any loopholes in the college. College has established seven Research Centers across various domains and active IEEE chapter. HR Training for all students from first semester onwards. Regular audits are done in each department to ensure effective functioning.

With the prior consent of the management, the Principal plays a leading role in the governance and management of the Institution. Principal communicates the vision and mission of the Institute to faculty members, students and other stakeholders. He plays the role of chief coordinator for various internal and external affairs of the Institution. He takes reviews from all the committees, teaching staff, and in charges of various departments by holding meetings with them for efficient working of the Institution.

The Principal as a representative of the university guides his entire faculty member in all academic matters. He encourages and cooperates with the faculty members in ensuring a proper academic environment in the college which may benefit the students. Any appropriate proposal coming from the respective departments and students of the college are actively forwarded to the concerned authorities such as the university or AICTE for approval and necessary action. Various proposals for seminars and workshops in the college, guest lectures, group discussions, Quiz competitions, essay competitions, proposals for major and minor research projects, etc. are forwarded to appropriate authorities with full cooperation and assistance.

The institution adopts a mechanism of self-appraisal of teachers and comprehensive evaluation of teachers by Head of the department and the students. Student's feedback about the faculties is taken twice a semester. Finally, they are integrated with Head of the department assessment. In addition, the faculties are measured every year through a mechanism called API (Academic performance

Index) where a committee is formed at the college level. And those committee members record the marks for the parameters specified in the mechanism for all individual faculties in the institution. The motivation is such that the entire faculty should publish at least one research paper per semester.

G. INNOVATIONS AND BEST PRACTICES

Institution expresses its commitment to sustainability in many ways. It has taken a number of positive steps to reduce its environmental impact. The college conducts the Green Audit every year and strives to maintain eco-friendly atmosphere in the campus. The institutions ensures the green environment by establishing separate maintenance department, the maintenance team takes care of maintain the lawn and plantations by employing gardeners and sweepers. The intention of organizing Green Audit is to upgrade the environment condition in and around the institution. It is carried out with the aid of performing tasks like solid waste management, energy conservation, and sewage treatment plant to turn into a better environmental friendly institute.

Solid Waste Management is an area that is drawing a lot of attention in urban areas. It is acknowledged that while the problem is acute, the financial support is inadequate. This project was conceptualized to demonstrate what could be done with waste generated locally, with minimal investments. This model is expected to provide significant impetus to the eco-friendly initiatives in the institution. It helps in evaluation of type, amount of food waste and generation for various purposes.

i. Best Practice 1:

Proctoral System

To solve the academic and administrative problems faced by students, and also to help in solving personal problems, if any. System is also responsible for maintaining overall discipline.

Every faculty in all the department are allotted about 20 students. Who are monitored and counseled thrice in a semester, additional counseling is done if necessary. Mentor will be in continuous interaction with the parents and keep updating about their wards performance in the college. Every semester parents meeting will be conducted. Mentors also guide their students about their opportunities for higher educations.

Evidence of Success

Some of the students are really benefitted by this and are improved in the studies and also have cleared their backlogs.

ii. Best Practice 2:

HRD training:

The Training and Placement Cell at our institution guides and helps the students in securing jobs with their knowledge and achievements, by organizing campus drives and exploring various avenues for their placements. The Placement Cell works to ensure that the recruitment process is successful for the students of our institution

This concept was originated after the observation and study that there was a need for conducting value added training programmers and enhance the employability of the students, and also to assist the development of the students with balanced set of technical skills, interpersonal skills and soft skills, and with a positive attitude of life.

Continuous placement training is offered to equip the students on personality development, communication, soft skills, confidence building, interview skills, and tests of reasoning, aptitude, by experts in the respective fields. There is an increase in the total number of offers made each year. The overall impact of all this has resulted into many reputed companies visiting our campus for the recruitments.

1.0 Profile of the Affiliated/Constituent College

1. Name and Address of the College:

Name :	**SJB Institute of Technology**	
Address:	BGS Health and Education City, Dr.Vishnuvaradan Road, Kengeri	
City: **Bengaluru**	Pin: **560 060**	State: **Karnataka**
Website:	**www.sjbit.edu.in**	

2. For Communication

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. Puttaraju	080 – 28612445/46	9008719999	080 – 28612651	principal@sjbit.edu.in
Steering Committee Co-ordinator	Dr. Babu N V	080 – 28612445/46	9448758276	080 – 28612651	principalnaac@sjbit.edu.in

3. Status of the Institution

Affiliated College :	√
Constituent College:	
Any other (specify):	

4. Type of the Institution

a. By Gender

i	For Men	
ii	For Women	
iii	Co-education	√

b. By Shift

i	Regular	√
ii	Day	
iii	Evening	

5. It is a recognized minority institution?

i	Yes	
ii	No	√

If yes specify the minority status (Religious/ linguistic/ any other) and provide documentary evidence.

6. Sources of funding

Government	
Grant-in-aid	
Self-financing	√
Any other	

7.

a. Date of establishment of the college: 27.06.2001

b. University to which the college is affiliated/ or which governs the college (If it is a constituent college) : Visvesvaraya Technological University, Belagavi

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i.2(f)		Applied
ii.12(B)		Applied

(Enclose the Certificate of recognition u/s 2(f) and 12(B) of the UGC Act)

d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Recognition/Approval details Institution/ Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
i. AICTE ACT	AICTE F.No: South-west/1-2812201865/2016/EOA SJB Institute of Tchnology/Engineering & Technology Programme	05-04-2016	EOA for 2016-17	Recognition every year

ii. AICTE ACT	AICTE F.No: South-west/1-2812201865/2016/EOA SJB Institute of Technology/ Management Programme	05-04-2016	EOA for 2016-17	Recognition every year

(Enclose the recognition/approval letter)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes [√] No [ ]

If yes, has the College applied for availing the autonomous status?

Yes [ ] No [√]

9. Is the college recognized?

a. by UGC as a College with Potential for Excellence (CPE)?

Yes [ ] No [√]

If yes, date of recognition: …… (dd/ mm/ yyyy)

b. For its performance by any other governmental agency?

Yes [√] No [ ]

If yes, Name of the agency **National Karnataka Education Summit and Awards,** Jointly awarded by **Visvesvaraya Technological University, Belagavi and Government of Karnataka** and

Date of recognition: 09/08/2014

10. Location of the campus and area in sq.mts:

Location*	**Urban**
Campus area in sq.mts.	52609.13 sq. mts.
Built up area in sq.mts.	56885.38 sq. mts

(*Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the

agreement.

⬬ Auditorium/seminar complex with infrastructural facilities			√
⬬ Sports facilities			
• Playground			√
• Swimming pool			No
• Gymnasium			√
⬬ **Hostel**			
• **Boy's Hostel**			√
i) Number of Hostels			02
ii) Number of inmates			510
iii) Facilities (Mention available facilities) Wi-Fi facility, 24X7 security, CCTV surveillance, Sports and recreation facilities, Gym, ATM.			
• **Girl's Hostel**			√
i) Number of Hostels			03
ii) Number of inmates			330
iii) Facilities (Mention available facilities) Wi-Fi facility, 24X7 security, CCTV surveillance, Sports and recreation facilities, Gym, ATM.			
• Working women's hostel			No
i) Number of inmates			--
ii) Facilities (Mention available facilities)			--
⬬ Residential facilities for teaching and non-teaching staff (give numbers available – cadre wise)			No
⬬ Cafeteria			√
⬬ Health centre			√
Firstaid, Inpatient, Outpatient, Emergency care facility, Ambulance			
Health centre staff–			
Qualified doctor Full time	√	Part time	
Qualified nurse Full time	√	Part time	
⬬ Facilities like banking, post office, book shops			√

● Transport facilities to cater to the needs of students and staff	√
● Animal house	No
● Biological waste disposal	No
● Generator or other facility for management/ regulation of electricity and voltage	√
● Solid waste management facility	√
● Waste water management	√
● Water harvesting	√

12. Details of programmes offered by the college (Give data for current academic year)

Sl. No.	Programme Level	Name of the Programme/ Course	Dur.	Entry Qualification	Medium of instruction	Sanctioned/ approved Stdnt strength	No. of students admitted
1.	UG	Computer Science and Engg.	4	10+2/PUC	English	180	178
2.	UG	Information Science and Engg.	4	10+2/PUC	English	120	118
3.	UG	Electronics and Communication Engg.	4	10+2/PUC	English	120	115
4.	UG	Electrical and Electronics Engg	4	10+2/PUC	English	60	36
5.	UG	Mechanical Engg.	4	10+2/PUC	English	120	102
6.	UG	Civil Engg.	4	10+2/PUC	English	120	106
7.	PG	VLSI Design & Embedded Systems	2	BE/B.Tech	English	18	14
8.	PG	Digital Communication & Networking	2	BE/B.Tech	English	18	14
9.	PG	Digital Electronics	2	BE/B.Tech	English	18	13
10.	PG	Computer Engineering	2	BE/B.Tech	English	18	11
11.	PG	Computer Science & Engineering	2	BE/B.Tech	English	18	15
12.	PG	Computer Network & Engineering	2	BE/B.Tech	English	18	11

13.	PG	Machine Design	2	BE/B.Tech	English	18	15
14.	PG	Structural Engineering	2	BE/B.Tech	English	18	18
15.	PG	Computer Aided Design of Structures	2	BE/B.Tech	English	18	16
16.	PG	MBA	2	Any Degree	English	120	117
17.	Integrated Programmes PG	-------	--	-------	-------	-------	-------
18.	M.Phil.	-------	--	-------	-------	-------	-------
19.	Ph.D	Computer Science and Engg.	4	M.Tech./ MS	English	-------	4
20.	Ph.D	Information Science and Engg.	4	M.Tech./ MS	English		2
21.	Ph.D	Electronics and Communication Engg.	4	M.Tech./ MS	English		6
22.	Ph.D	Mechanical Engg.	4	M.Tech./ MS	English		0
23.	Ph.D	Civil Engg.	4	M.Tech./ MS	English		1
24.	Ph.D	Mathematics	4	M.Sc	English		0
25.	Ph.D	Physics	4	M.Sc	English		0
26.	Certificate Courses	-------	--	-------	-------	-------	-------
27.	UG Diploma	-------	--	-------	-------	-------	-------
28.	PG Diploma	-------	--	-------	-------	-------	-------
29.	Any Other (specify and provided etails)	-------	--	-------	-------	-------	-------

13. Does the college offer self-financed Programmes?

Yes	√	No	

If yes, how many? All

14. New programmes introduced in the college during the last five years if any?

Yes	√	No		Number	03

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments (Ex: Physics, Botany, History etc.)	UG	PG	Research
Science	Physics	---	---	√
	Chemistry			
	Mathematics			
Engineering and Management	Computer Science and Engg.	√	√	√
	Information Science and Engg.	√	√	√
	Electronics & Communication Engg.	√	√	√
	Electrical & Electronics Engg.	√	---	---
	Mechanical Engg.	√	√	√
	Civil Engg.	√	√	√
	Master of Business Administration	---	√	---

16. Number of Programmes offered under (Programme means a degree course like B.E, M.Tech.)

a. Annual System :	
b. Semester system:	03
c. Trimester system:	

17. Number of Programmes with

a. Choice Based Credit System	All UG Programmes (06) (First & second year only, in transition phase for subsequent years)
b. Inter/Multidisciplinary Approach	---
c. Any other (specify and provide details)	---

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes [ ] No [√]

If yes,

a. Year of Introduction of the programme(s)……(dd/mm/yyyy) and number of batches that completed the programme. [ ]

b. NCTE recognition details (if applicable)
Notification

No.:..... Date:

.....(dd/mm/yyyy)

Validity:.....

c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes [ ] No [√]

19. Does the college offer UG or PG programme in Physical Education?

Yes [ ] No [√]

If yes,

a. Year of Introduction of the programme(s).....(dd/mm/yyyy) and number of batches that completed the programme [ ]

b. NCTE recognition details (if applicable)

Notification No.:

..... Date:

..... (dd/mm/yyyy)

Validity:.....

c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?

Yes [ ] No [√]

20. Number of teaching and non-teaching positions in the Institution

Positions	**Teaching faculty**						**Non Teaching staff**		**Technical staff**	
	Professor		**Assoc. Professor**		**Asst. Professor**					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC/ University/ State Government	--	--	--	--	--	--	--	--	--	--
Recruited										
Yet to recruit	--	--	--	--	--	--	--	--	--	--

Sanctioned by the Management/ society or other authorized bodies *Recruited*	**26**	**05**	**18**	**20**	**81**	**79**	**50**	**20**	**63**	**15**
Yet to recruit	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

***M-Male*F-Female**

21. Qualifications of the teaching staff:

Highest qualification	**Professor**		**Associate Professor**		**Assistant Professor**		**Total**
	Male	**Female**	**Male**	**Female**	**Male**	**Female**	
Permanent teachers							
D.Sc./D.Litt.	---	---	---	---	---	---	---
Ph.D.	**25**	**05**	**07**	---	---	---	**37**
M.Phil.	---	---	**01**	**02**	**02**	**02**	**07**
PG	**01**	--	**12**	**18**	**79**	**77**	**187**
Temporary teachers							
Ph.D.	---	---	---	---	---	---	---
M.Phil.	---	---	---	---	---	---	---
PG	---	---	---	---	---	---	---
Part-time teachers							
Ph.D.	---	---	---	---	---	---	---
M.Phil.	---	---	---	---	---	---	---
PG	---	---	---	---	---	---	---

22. Number of Visiting Faculty/ Guest Faculty engaged with the College. **NIL**

23. Furnish the number of the students admitted to the college during the last four academic years.

Under Graduate:

Categories	**Year -1 2013-14**		**Year-2 2014-15**		**Year-3 2015-16**		**Year-4 2016-17**	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	28	19	28	14	24	22	26	20
ST	3	4	4	4	3	6	5	1
OBC	305	93	82	41	148	62	155	70
General	182	39	383	128	289	101	260	120
Others	-	-	-	-	-	-	-	-

Post Graduate: MBA and M.Tech

Categories	Year -1 2013-14		Year-2 2014-15		Year-3 2015-16		Year-4 2016-17	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	7	4	13	4	8	7	7	3
ST	0	2	2	2	3	4	2	0
OBC	29	15	73	41	84	60	53	36
General	41	32	51	43	44	34	43	28
Others	-	-	-	-	-	-	-	-

24. Details on students enrollment in the college during the current academic year:

Type of students	UG	PG	M.Phil.	Ph.D.	Total
Students from the same State where the college is located	533	237	---	13	783
Students from other states of India	158	7	---	---	165
NRI students	--	--	---	---	--
Foreign students	--	--	---	---	--
Total	691	244	---	13	948

25. Dropout rate in UG and PG (average of the last two batches)

UG [< 0.8 %] PG [< 0.8 %]

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

a) Including the salary component [26, 74, 72 767/948 = **Rs. 2, 82, 144**]

b) Excluding the salary component [120360188/948 = **Rs. 1, 26, 962**]

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes [ ] No [√]

If yes,

a) Is it a registered center for offering distance education programmes of another University

Yes [ ] No [ ]

b) Name of the University which has granted such registration.

[ ]

c) Number of programmes offered [ ]

d) Programmes carry the recognition of the Distance Education Council.

Yes [ ] No [ ]

28. Provide Teacher-student ratio for each of the programme/course offered

Sl. No.	UG/PG	Name of the Course	Teacher-student Ratio
1.	UG	Computer Science & Engg.	1:16
2.		Information Science & Engg.	1:14
3.		Electronics & Communication Engg.	1:14
4.		Electrical & Electronics Engg.	1:12
5.		Mechanical Engg.	1:16
6.		Civil Engg.	1:15
7.	PG	VLSI Design & Embedded Systems	1:12
8.		Digital Communication & Networking	1:12
9.		Digital Electronics	1:12
10.		Computer Science & Engg.	1:12
11.		Computer Engineering	1:12
12.		Computer Networks & Engineering	1:12
13.		Machine Design	1:10
14.		Structural Engineering	1:12
15.		Computer Aided Design of Structures	1:12
16.		MBA	1:15

29. Is the college applying for

Accreditation: Cycle 1 [√] Cycle 2 [ ] Cycle 3 [ ] Cycle 4 [ ]

Re-Assesment: [ ]

(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to reaccreditation)

30. Date of accreditation*(applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1:……(dd/mm/yyyy) AccreditationOutcome/Result…….....

Cycle 2: ……(dd/mm/yyyy) AccreditationOutcome/Result…….....

Cycle 3: ……(dd/mm/yyyy) AccreditationOutcome/Result…….....

****Kindly enclose copy of accreditation certificate(s) and peer team report (s) as an annexure.***

31. Number of working days during the last academic year.

291 Days

32. Number of teaching day sduring the last academic year

(Teaching days means day so nwhich lectures were engaged excluding the examination days)

176 Days

33. Date of establishment of Internal Quality Assurance Cell (IQAC) IQAC…… (dd /mm/ yyyy)

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

AQAR (i) NA

AQAR (ii) NA

AQAR (iii) NA

AQAR (iv) NA

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/ descriptive information)

- SJB Research Foundation established under section 25 of companies' act 1956.
- Visvesvaraya Technological University, Belagavi has recognized Research centers in seven Disciplines in which 57 research scholars are pursuing Research for the award of doctoral degree.
- Totally 88 faculty of SJB Institute of Technology are pursuing their research at various research centers of the universities across the country in wide areas for the award of doctoral degree.
- Internal Quality Audit to monitor the effectiveness of functioning of the departments.
- Scheduled weekly time table for extra-curricular activities to encourage the student's participation for the overall development of the student.
- Stand alone committees (Comprising of the faculty of all departments) to plan and monitor the overall activities of the staff & students.
- SJBIT endow with additional Industrial training in research laboratory equipping students handling live projects to enhance their employability and become productive from the day one to their employers. Main association ship SJBIT has with industries and universities are
  - M/s. Bosch Rexroth India Ltd.
  - M/s. Tata Consultancy Services Ltd.
  - M/s. Wipro Technologies
  - M/s. Sharp Software Development Ltd.
  - M/s. Microsoft Corporation (India) pvt. Ltd.
  - M/s. National Instruments (India) pvt. Ltd.
  - M/s. Power Research & DevelopmentConsultant's pvt. Ltd. Etc.,
  - M/s. Bio Axis DNA Research Centre Pvt, Ltd.
  - M/s. Hire Craft software pvt. Ltd.
  - M/s. CISCO Pvt. Ltd.
  - M/s. Texas Instruments Pvt. Ltd.
  - M/s. Infosys
  - M/s. HCL.

- M/s. Cognizant
- M/s. L&T infotech
- M/s. Global Edge Software
- M/s. MSME Development Institute.
- M/s. Ethnotech Pvt. Ltd
- M/s. ORACLE Pvt. Ltd
- M/s. University of Agricultural Sciences, GKVK
- M/s. Meizu Technology Company, China
- M/s. Apple
- M/s. MGIRED
- M/s. Intel

2.0 CRITERIA-WISE INPUTS
CRITERION – 1

1 CURRICULAR ASPECT

1.1 Curriculum Planning and Implementation

1.1.1 State the vision, Mission and objectives of the institution and describe how these are communicated to the students, teachers, staff and other stakeholders.

Vision:

To become a recognized technical education center with global perspective.

Mission:

To provide learning opportunities that fosters students ethical values, intelligent development in science & technology and social responsibility so that they become sensible and contributing members of the society.

Objectives:

- To impart quality education through moral, ethical and social responsibilities in the field of education.
- To motivate the students to bring out their creative potential and nurture the spirit of critical thinking.
- To facilitate value-based holistic learning by integrating contemporary and innovative learning practices to match the highest Quality standards.
- To equip students with the skills needed to adapt better to the changing global scenario and gain access to multiple career opportunities.
- To maintain the state-of-the-art infrastructure and signing MOUs with industries and institutes of international repute.
- To establish indigenous Research and Development centers to address the issues and challenges of all the stakeholders.
- To enrich the quality of teaching and learning process by adopting innovative teaching methods and be abreast with cutting-edge technologies.

The vision and mission of the college are available at the college website (www.sjbit.edu.in). These statements are communicated to stakeholders through Information Brochure and have also been displayed at Reception and in each Department notice boards and other prominent location of the college.

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

As the college is affiliated to Visvesvaraya Technological University, Belagavi, the college follows the University-prescribed curriculum. The Institution meticulously develops action plans for effective implementation of the curriculum and highest priority is given for academics. Teachers are encouraged to impart the curriculum through innovative teaching methods including power point presentations, assignments, discussions, workshops, seminars, industrial visits, e-learning apart from regular/conventional chalk and talk methods. The detailed process is given below:

- The academic calendar of the Institution reflects curricular, co-curricular and extra-curricular activities planned for the semester which is based on the University calendar.
- Individual teachers are given the freedom to select the subject of their expertise, in-turn endorsed by heads of the respective departments.
- The lesson plan and the study material are prepared as per the curriculum and are made available on the institution web portal.
- The academic advisory committee oversees all the academic activities viz., syllabus completion, lab and Test conduction, Project and Seminar reviews, and any other issues of academic importance. The institution maintains MIS at macro level to capture the comprehensive database of all the academic activities.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

The teachers receive procedural and practical support from the college as well as from the University for Effective Implementation of the curriculum:

- Refresher courses are conducted by the University for the Faculty to excel the teaching skills.
- Faculty Development Programme/Workshops are conducted by the institution during syllabus revision to appraise teachers about the changes for effective implementation of curriculum.
- Teachers are given considerable freedom by the college as far as the handling of the syllabus is concerned. Teachers devise their own methodology based on the needs of the subject and the students.
- The institution provides the teachers with the necessary infrastructure and resources, such as helping them to procure the latest references on the subject in Print and e-book form. Apart from the resources available at the central library, all

the departments have their own departmental libraries. Every year, sufficient number of reference books and journals are made available to teachers.

- The institution hosts VTU e-learning EDUSAT programme to students and faculty fraternity.
- State of the art teaching facilities are provided to the faculty. Faculty may choose either chalk and talk methodology or digital presentations or both.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

- The institution aids in every way to upgrade the infra-structure and procure resources for effective delivery of the curriculum. Institution has spacious class rooms well equipped with state of the art digital facilities, updated laboratories, central and department library, department wise seminar halls, high speed internet connectivity and etc.
- Teachers provide a host of additional resources while taking students beyond the university curriculum.
- Faculty uploads their course material on the institution web portal.
- Mechanism to handle both weak and meritorious students to facilitate learning process.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalization of the curriculum.

- The Institution has good network of industries that play an important role in the growth of the institution. Human Resource Development (HRD) invites Experts from the industry and the academic fields to share their experience with students and faculty.
- MOUs are signed between the departments and related industries/research organizations for effective transfer of technical knowledge to the students and to relate the theoretical knowledge to direct application. Some of the MOUs signed with PRDC, Bosch Rexroth, NI Lab-view, Cisco, Apple, MGIRED, etc.,
- Setting up incubation centers in association with top notch companies has facilitated R & D activities at the college level which in turn benefits both industry and institution.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (Number of staff members/departments represented on the Board of studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.

The Board of studies constituted by the university consisting of subject experts defines the syllabus. After framing the syllabus, the university invites the suggestions from the teachers through workshops and hosting the draft copy on the university portal. The teachers work on suggestions for syllabus revision from academic peers obtained through informal interaction and other forums and communicate it to the university.

Also, the following faculty of our institute has contributed to the university in various capacities as follows:

Sl. No.	Name	Designation & Department	Board Name
1.	Dr. Puttaraju	Professor and Principal, Civil Engineering	BOS Chairman, Civil Engineering and Academic Senate Member VTU, Belgaum
2.	Dr. Ananda Kumar K R	Professor, Computer Science & Engineering	BOS Chairman, Computer Science &Engineering and Academic Senate Member, VTU, Belgaum
3.	Dr. K R Nataraj	Professor and Head, Electronics and Communication Engineering department	BOE Member, Electronics and communication engineering Department, VTU, Belgaum
4.	Dr. Mahendra Prashanth	Professor, Electronics and Communication Engineering department	BOE Member, Electronics and communication engineering Department, VTU, Belgaum
5.	Dr. Rekha K R	Professor, Electronics and Communication Engineering department	BOE Member, Electronics and communication engineering Department, VTU, Belgaum
6.	Dr. Chandrappa D N	Professor, Electronics and Communication Engineering	BOE Member, Electronics and communication engineering

		department	Department, VTU, Belgaum
7.	Dr. Mohan H S	Professor & HOD, Information Science and Engineering department	BOE Member, CSE & ISE Dept., VTU, Belgaum
8.	Dr. Yogisha H K	Professor, Information Science and Engineering department	BOE Member, Information science and engineering Department, VTU, Belgaum
9.	Prof. T Madhusudan	Assoc. Prof. and Head, Mechanical Engineering department	BOE Member, Mechanical Engineering Department, VTU, Belgaum
10.	Dr. M K Krishna	Professor, Civil Engineering department	BOE Member, Civil engineering Department, VTU, Belgaum
11.	Dr. Jaydev	Professor, Dept. of Chemistry	BOE Member, Dept. of Chemistry, VTU, Belagavi
12.	Dr. Buvaneswari P	Professor, Dept. of MBA	BOE Member, Dept. of MBA, VTU, Belagavi

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give the details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

- As the College is an affiliated College, it does not have the freedom to develop the curriculum. It follows the syllabus prescribed by the Visvesvaraya Technological University, Belgaum.
- The institution does not develop curriculum for any of the courses offered but the college has additional courses on skill development, communicative English and how to face interview through HRD Classes conducted two hours per week for all the students of the Institute.
- Along with the curriculum, in order to support the students to cope up with the growing technological trends, various additional activities are conducted such as: Guest lectures and seminars on the recent technological advancements, workshops, national/international conferences for students and faculty, technical fests, Certification courses and skill development programme.

1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation.

Specific learning objectives are clearly spelt out along with the syllabus for each subject by the respective Board of Studies. Apart from this, departments also provide a list of objectives they hope to achieve through the teaching-learning process. The institution is achieving the stated objectives of the curriculum by the following measures:

- Head of the departments will ensure the conduction of classes and syllabus coverage as per the curriculum is achieved and monitored by the Central theory classes committee.
- Feedback on teaching from students for ensuring that the desired standards are fulfilled.
- Periodic tests (both formal and informal) help teachers to gauge the learning output.
- To improve the performance of the slow learning students, additional coaching classes are accommodated in the time table.
- Regular feedbacks from the prospective employers are solicited.

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate/ diploma/skill Development courses etc., offered by the institution.

Goals and Objectives:

- To develop human resource of skillful caliber by enhancing the competencies of students and prepare them for their career building.
- Enrich the quality of education.
- Imbibe the values and develop the attitude of students towards improvement in their personality and facing the ever changing needs of the world.
- To inculcate the creative skills and the spirit of innovation amongst the students.
- To develop the attitude of the students towards social responsibility.

Details of the activities:

The Institution conducts various additional activities such as

- Students participate in various community/social fund raising activities for special needy/deprived section of the society.
- NSS activities are conducted regularly.
- Personality development training is provided to all the students from the beginning of the course itself by accommodating in the regular time table.

- Several recognized Certification courses are conducted in addition to the curriculum such as:

Sl. No.	Name of the Company/ Certificate	Goals	Objectives
1.	CISCO	To explore the knowledge in networking fundamentals, routing, switching and connecting networks.	To configure the network operating system, learn the aspects of network protocols and communication. To Provide insights of routing concepts and LAN security & Troubleshooting the LAN redundancy and IOS file management, Monitoring network and finding broadband solutions.
2.	Oracle	To explore the knowledge in Oracle database fundamentals, data warehouse and SQL.	To Configure the Oracle software and development tools. And understand the characteristics of OLTP and data warehouse design and schemas. To provide the knowledge on data extraction methods and publishing. And learn the application of external tables, data transformation and Data manipulation language (DML).
3.	Microsoft	MICROSOFT certification programme collect the world of education to the world of work by enabling faculty and student to acquire new technology skill in an academic setting.	To provide access to community resources and tools that allow faculty and students to exchange ideas peers which increases the knowledge and skill set which helps in broadening the career opportunity. To create learning competency to made the stringent Microsoft qualification for an IT professional and developers on MICROSOFT technologies.
4.	NI LabView	The LabVIEW Academy Programme uses a blended learning model that combines face to face teaching with engaging content and hands on b exercises. This models prepares student for the demand of industry and higher education in engineering and related fields	To pursue training activities related to user education and training in areas mutually agreed to by and NI. Initially the ACADEMY will begin activities in the area of user training in LabVIEW. To organize courses/workshops / seminars/ FDP every year on various aspects of Algorithm Engineering and Graphical System Design.
5.	CETRAT	To attain global recognition by providing international standard facilities to support students and faculty to translate their ideas and innovative developments in automation technology	Industry institute partnership in the field of automation technologies. Focus on skill and competence development by hands on approach. Operates as a center to transfer current technologies to students.

6.	AUTO CAD	To help engineers and designers to experience 3D CAD design to explore project characteristics	To obtain an auto CAD drafting position which utilizes skills of converting rough sketch into 2D or 3D drawing
7.	CATIA,UG	To estimate and explore an optimal design with a few computations techniques.	To enable users and designer to learn advance tolls of modeling using CATIA and UG
8.	MEDINI	To explore the knowledge in Designing and Drafting skills using soft wares.	To Design and drafting software skills are imparted to the students to improve their employability.
9.	MGIRED	To learn the concepts of Renewable energy development and its deployment in depth.	To provide student a platform to know in detail about the renewable energy generation, possible deployment strategies, analysis of energy resources for future generations, adoptability skills required for the students.
10.	Apple iOS Training	To get an insight over the knowledge of swift programming that helps to develop Operating System	Developing an own mobile APP for iphone, learn the functions of iOS and related technologies

1.2.2 Does the institution offer programme that facilitate twinning/ dual degree? If "yes", give details.

--NO--

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond

- **Range of Core / Elective options offered by the university and those opted by the college.**

Sl. No.	Department	No. of core subjects offered by University	No. of Electives offered by the university	No. of Electives opted
1.	ECE	29	29	06
2.	EEE	29	25	07
3.	CSE	29	30	08
4.	ISE	29	30	06
5.	ME	29	41	05
6.	CIVIL	30	33	16
7.	MBA	12	18	12

- **Choice Based Credit System and range of subject options**

Elective subjects are offered only from 3rd year

Sl. No.	Department	No. of core subjects offered by University	No. of Electives offered by the university	No. of Electives opted
1.	ECE	13	---	---
2.	EEE	13	---	---
3.	CSE	13	---	---
4.	ISE	13	---	---
5.	ME	13	---	---
6.	CIVIL	13	---	---
7.	MBA	12	---	---

- **Courses offered in modular form**

  -Not Applicable-

- **Credit transfer and accumulation facility**

  -Not Applicable-

- **Lateral and vertical mobility within and across Programmes and courses**

  - Lateral entry is applicable at second year for UG programmers. The diploma students are directly admitted to third semester under lateral entry scheme.
  - Change of branch within the college is allowed with prior approval from the university during 3rd semester of Engineering UG programme. To avail this provision, the student can't have any backlogs.

- **Enrichment courses**

  Every department organizes various following activities to enrich the Technical knowledge, imbibe the values & social responsibility amongst the faculty and the students

  - Guest lectures/Technical talks and Seminars on recent technological trends & social ethos delivered by the experts.
  - Workshops and FDP's by reputed industries in the fields of relevance to expose themselves to latest developments and interact with the experts.
  - Technical symposiums & Technical fests by the students.
  - National/ International Conferences periodically.
  - Soft skills training & additional Technical training for overall development of students and enhancement of communication skills and employability.
  - Various certification courses from repute players of the industry, such as:
    - ✓ CISCO
    - ✓ Oracle
    - ✓ Microsoft
    - ✓ NI LabView

- ✓ CETRAT
- ✓ AUTO CAD
- ✓ AUTO DESK
- ✓ CATIA, UG
- ✓ Medini
- ✓ Apple iOS
- ✓ MGIRED
- ✓ Big Data
- ✓ Texas Instruments

1.2.4 Does the institution offer self-financed Programmes? If "yes", list them and indicate how they differ from other programme, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

Yes,

All the Programmes offered by the institution are self-financed Programmes. The college is a self-financing institution, recognized by the Government of Karnataka, approved by AICTE and permanently affiliated to Visvesvaraya Technological University, Belagavi, Karnataka. The following Programmes and courses are offered in the institution.

- **Admissions:** Admissions are governed by the statutory bodies like AICTE, VTU and Government of Karnataka. The Karnataka Examination Authority (KEA) and Consortium of Medical, Engineering & Dental colleges (COMED-K) conducts common entrance examinations for admitting students to UG and PG courses.
- **Curriculum:** Since the institution is affiliated to the Visvesvaraya Technological University, we follow and implement the curriculum designed by the university through a systematic plan of action which includes semester plan, lesson plan, course file, assignments, internal assessment test schedule. The faculties are encouraged to use different instructional aids like LCD projectors, OHP, Computer and audio equipment for effective planning, implementation and delivery of the curriculum.
- **Fee Structure:** The fee structure and seat sharing is based on the consensual agreement signed between the Government of Karnataka and the Private Engineering College Managements.
- **Teachers' Qualifications & Salary:** As per AICTE/VTU norms and regulations.

Sl. No.	Programme	UG/PG	Name of the Course
1.	Engineering &	UG	Computer Science & Engg.
2.			Information Science & Engg.

3.	Technology		Electronics & Communication Engg.
4.			Electrical & Electronics Engg.
5.			Mechanical Engg.
6.			Civil Engg.
7.		PG	VLSI Design & Embedded Systems
8.			Digital Communication & Networking
9.			Digital Electronics
10.			Computer Science & Engg.
11.			Computer Engineering
12.			Computer Network Engineering
13.			Machine Design
14.			Structural Engineering
15.			Computer Aided Design of Structures
16.	Management		MBA

1.2.5 Does the college provide additional skill oriented programme, relevant to regional and global employment markets? If "yes" provide details of such programme and the beneficiaries.

Yes,

A dedicated HR Department at the institute level provides a customized training programme for both Engineering and Management students in the areas of latest Technologies, soft skills, communication skill and interpersonal skills. They are as follows:

Engineering (all Branches):

1st Year B.E: (24 modules, each of 2 Hours duration) Mainly focused on Team Building, Team work and HRM, Self-identification, How to improve self-confidence, Cross Culture Awareness, Building People Relationships, Skills of expression, Understanding and handling emotions, Body language and Postures, Etiquettes, Creativity and Innovation, Initiative and art of concentration, Overview of all the topics, Goal , Visioning, Objective, Listening Skills, Communication barriers, Attitude and Ego, Executive qualities, Phonetics, Public Speaking and Stage presence, Effective written communication, Continuous self-improvement, Methods of problem Solving, Knowledge Management, Managing self and Time management, Overview of all topics and Feedback session.	**2nd Year B.E:** (24 modules, each of 2 Hours duration) Mainly focused on Goal Setting , Basics of Aptitude, Vocabulary builder, Leadership Skills, Number System, Seating Arrangements, Time and Work , Percentage, Profit and Loss, Partnership, Syllogism, FUNDAMENTALS OF GRAMMAR – TENSES AND VERB FORMS – I FUNDAMENTALS OF GRAMMAR – TENSES AND VERB FORMS – II Business Communication, Team Activity, Ratio's and proportions, Team presentation-Technical, Team Presentation-Technical, Quiz, Team Activity-Debate-1, Team Activity-Debate-2, Speed, Time, Distance, Coding and Decoding, Data Interpretation, Resume Writing – do's & don't. Feedback session
3rd Year B.E: (24 modules, each of 2 Hours duration) Mainly focused on developing Lateral and	**4th Year B.E:** (Complete one month) After 6th Semester and before 7th Semester (during holidays):

Analytical skills of a student with respect to HIRING needs varying from different domains like Aptitude, Verbal and Soft Skills. Modules from Quantitative and Logical Aptitude are focused on a lot like Time, Speed and Distance, Percentage, Profit & Loss, Pipes & Cistern, Set Theory, Permutation and Combination, Averages, Simple Equations & Ages, Clocks & Calendars. In Verbal domain starting from Written communication, Grammatical punctuations, Streamlining Word thought process, Synonyms, Antonyms, Parts of Speech, Vocabulary Builder, Subject Verb Agreement, Error spotting, Reading Comprehension, Passage Writing are taught to students. They are also guided to implement their learning from the training sessions w.r.t. behavioral skills, good presentation skills, team building skills, leadership skills and many more. These skills help students to face interviews with lot of confidence as the preparation on the same initiates at base levels.	**CSE/ISE** – Revision of Technical knowledge on C, C++, DBMS, SDLC/OS, Data Structures, Basics of JAVA, etc., **ECE/EEE** – Revision of Technical knowledge on C, Micro controllers, Microprocessors, Networking, A&D Core, DBMS, etc., **CIVIL/Mech** - Revision of Technical knowledge on C, Core Introduction, Auto CAD, Inventor, Revit, Safety Engineering, Strength of materials, Basics of Fluid dynamics, Thermodynamics, solid edge, Catia, etc., **Aptitude skills** – All varieties of aptitude problem solving training with assessments Soft Skills – Extempore Speaking, E-mail etiquettes, Resume Writing, Mock Session on Group discussions, Mock Session on Interview facing skills, etc., **Verbal Skills** – Nouns, Adjectives and adverbs, Article and pronouns, Prepositions, Phrasal verbs, Error spotting, Reading Comprehension, Analogies, Passage writing, etc., **Aptitude Training by Mr. Anil Nair** – Training on short cut methods to obtain the same answer by quickly (time saving techniques). **Virtual Campus Drive** – To make aware how the campus drive happens.

M.Tech. (all Specializations):

1st Year M.Tech: (24 modules, each of 2 Hours duration) Mainly focused on Goal Setting , Basics of Aptitude, Vocabulary builder, Leadership Skills, Number System, Seating Arrangements, Time and Work , Percentage, Profit and Loss, Partnership, Syllogism, FUNDAMENTALS OF GRAMMAR – TENSES AND VERB FORMS – I FUNDAMENTALS OF GRAMMAR – TENSES AND VERB FORMS – II Business Communication, Team Activity, Ratio's and proportions, Team presentation-Technical, Quiz, Team Activity-Debate-1, Team Activity-Debate-2, Aptitude problems on Speed, Time, Distance, Coding and Decoding, Data Interpretation, Resume Writing – do's & don't. Group Discussions skills, Interview facing skills, Feedback session.	**2nd Year M.Tech:** (24 modules, each of 2 Hours duration) Mainly focused on developing Lateral and Analytical skills of a student with respect to HIRING needs varying from different domains like Aptitude, Verbal and Soft Skills. Modules from Quantitative and Logical Aptitude are focused on a lot like Time, Speed and Distance, Percentage, Profit & Loss, Pipes & Cistern, Set Theory, Permutation and Combination, Averages, Simple Equations & Ages, Clocks & Calendars. In Verbal domain starting from Written communication, Grammatical punctuations, Streamlining Word thought process, Synonyms, Antonyms, Parts of Speech, Vocabulary Builder, Subject Verb Agreement, Error spotting, Reading Comprehension, Passage Writing are taught to students. They are also guided to implement their learning's from the training session's

	w.r.t. behavioral skills, good presentation skills, team building skills, leadership skills and many more. These skills help students to face interviews with lot of confidence as the preparation on the same initiates at base levels.

Management:

1st Year MBA: (24 modules, each of 2 Hours duration) Team building, Body language, Time, Management, Building self-confidence, Creativity and Innovation, Building strategic Initiative, Understanding and handling emotions at work place, Initiative in work environment, Handling cross culture and "culture shock", Freedom of Expression, Outdoor activity (Industry oriented), Over view of topics, Executive Skills, Communication Barriers, Phonetics, Effective Communication Skills, Effective writing skills, Managing Self, Attitude and Ego at the work Place, Public Speaking and Stage Presence, Business Communication, Effective Presentation Skills, Outdoor Activity (Industry Oriented), Over view of all the topics and feedback session.	**2nd Year MBA:** (24 modules, each of 2 Hours duration) Presentation Skills, Supply chain Management, Effective Communication, Developing Creativity, Planning & Organizing , Accent Development , Handling Situations & Problems – activity based Cross Culture Awareness, Movie Session, Social Awareness, Evaluation & Analysis, Extempore / Public Speaking, Speed Math, Goal Setting, Sentence Correction, Written Communication, Average & Percentage, Development of Leadership qualities, Arithmetic Progression, Decision Making, Sentence Completion, Positive Thinking, Test & Evaluation, Feedback session.

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face And Distance Mode of Education for students to choose the courses/combination of their choice" If „yes", how does the institution take advantage of such provision for the benefit of students.

--NO--

1.3 Curriculum Enrichment

1.3.1 Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programme and Institution's goals and objectives are integrated?

The institution makes consistent efforts to supplement the University curriculum by organizing activities, which focus on integrating academic and general development of students. They are as follows:

- Guest lectures, Workshops, face to face interactions between industry experts and students.
- Organizing of various technical, sports and cultural competitions within & across the departments and other colleges to inculcate managerial, Leadership and organizing skills. Also to provide a platform for the students to showcase their talents.

- Field work and field surveys in the form of short term projects.
- Motivating students to participate in various intra and intercollegiate competitions.
- Use of Language laboratory to improve basic linguistic skills of students.
- Assigning short term research projects to students under the guidance of teachers.
- Student clubs, which provide a platform for students to interact and showcase their academic abilities and other talents.
- Organizing very structured and well-focused industry level trainings to make the students ready for the ever changing demands in the society.
- Involving the students in the Social Responsibility activities to imbibe societal values.

1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

- The Institution has established an Entrepreneurship Cell that caters to the needs of the industry and facilitates student interaction and participation through different programme. The students also participate in Panel discussions where industry experts share their knowledge and entrepreneurial skills with them.
- This has helped the student community in gaining knowledge of current needs and expectations in national and global markets. This has increased their potential for employability in various industries. The Cell also facilitates placement activities & students have specially benefited from these activities.
- Organizing very structured and well-focused industry level trainings to make the students ready for the ever changing demands in the society.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

The institution has an extremely proactive student forum that helps in creating awareness regarding social issues such as gender, environmental awareness and human rights through the following activities:

- ICT is an integral part of the curriculum prescribed by the affiliating university and is being adopted by the institution. The institute has sought to integrate ICT into curriculum delivery by initiating the process of creating an asynchronous learning network to support learning interactions outside the classroom and to encourage them to pick up ICT-skills through Apple I-pads.
- Observing/celebrating important days like Kannada Rajyothsava, Independence Day, International Women's day, etc. to bring in harmony among the students.

- Train student volunteers to ensure eco-friendly Ganesh Visarjan (immersion of idols) in the city during Ganesh Festival
- Say 'No' to plastic campaign is organized on regular basis.
- Functioning of Sexual harassment prevention committee.
- Existence of Anti- raging committees at Department and Institution level
- Students Welfare Committee and Redressal Grievance Cell to handle the sensitive issues regarding the Women's right and security
- Under the aegis of NSS club of the institution, Blood donation camp, afforestation programme, village adaptation, community health camps, Yoga and sports activities are organized.

1.3.4 What are the various value-added courses/enrichment programme offered to ensure holistic development of students?

- Moral and ethical values

To ensure holistic development and to inculcate the moral and ethical values of students the VTU has offered a subject on "Constitution of India and Professional Ethics" for engineering Students also we conduct various other events to enrich the students and staff for the holistic development, such as:

- Special lectures from the spiritual experts.
- World Women's Day, Teacher's day, Engineers Day, World Environmental Day, Student's days are celebrated.
- Cultural activities are encouraged through entertaining students to participate in the various events conducted across the university and other competitions.
- Technical, Sports & Cultural fest "Varchasva" an intercollegiate fest is organized every year.
- Individual departments will organize Technical fests involving various technical & sports competitions every year which provides inspiration and opportunity to the students to work on individual and group activities and develop their leadership and decision making skill.
- The nurturing of national values and social sensitivity and responsibility is highlighted in the events we organize like Ethnic Day, social outreach programme and personality development programme in the campus.
- The institution encourages a practice of celebrating Ayudha Pooja, Vinayaka Chaturthi, Saraswathi Pooja and Sri Rama Navami to emphasise on our culture and heritage.

- The institutions conduct Programmes like blood donation camps, eco-friendly environment awareness, plastic waste management, global warming, financial contribution to disaster relief fund under NSS.

- **Employable and life skills**
  - Pre placement training is the part of the curriculum provided by the institution to its students to enhance the employability skill which is essential for the industry.
  - Institution also conducts personality and communication skill development program as a part of regular pre placement training.
  - Industry specific pre-placement talks are organized to enhance the scope of employability.
  - Institution encourages its students to attend internship program at various industries of relevance.

- **Better career options**
  - The institute has dedicated department for Placement & training which ensures career prospect of every student is achieved.
  - The institute has an Entrepreneur Development Cell which encourages students in developing competencies in entrepreneurial activities.
  - Certification courses to increase the employability skills of the students CISCO training, Oracle certification, Auto desk, TI University program, Big data analytics, Apple iOS, CETRAT for Industry automation.

- **Community orientation**
  - Dedicated NSS team along with the individual departments takes care of Community developmental activities like blood donation camps, waste management Programmes contribute to community and national development and also create awareness about ecology and environment.

1.3.5 Citing a few examples, enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

- Feedback is collected from students and their views/inputs are collated and discussed with the concerned for the improvement.
- Feedback from the parents will be collected during the parent's teacher meeting; the inputs will be collated and discussed with the principal for any improvement actions.
- Feedback from alumni will be collected about the curriculum gaps and probable additions to the syllabus.

- A formal and informal feedback about each teacher is taken from the students regularly during the semester by conducting Class Representative & Class Teacher meeting.
- Exit level feedback meeting is organized for the outgoing students by the Head of department regarding learning processes at the end of academic session and their suggestions are analyzed to improve the overall competencies of the students.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment Programmes?

- The Institution is keenly interested in enhancing students' employability.
- HODs regularly monitor Programs enrichment activities, and in turn report to the principal regarding outcomes and feedback of Programs.
- After completion of every training programme, the feedback is collected from the stake holders. The suggestions are analyzed and necessary measures are initiated.
- The Institution also makes sure that the programs offered include contribution to nation building, fostering global competencies among students, inculcating a value system among students, promoting the use of technology and quest for excellence.
- The institution conducts regular internal auditing, where auditing member from every department check for regular updating of academic files.
- The institution maintains an academic calendar where various meetings of all the levels of the institution are conducted to evaluate the academic activity.

1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and development of the Curriculum prepared by the University?

Since the institution is affiliated to the "Visvesvaraya Technological University, Belagavi", the institution has no scope for design & development of the curriculum. However, the institution has played a significant role in developing curricula for various subjects.

BOS members of our institution who are the representatives from the university in Board of Studies meetings will take decision on framing the new syllabus. Once the syllabus is revised tentative syllabus will be published online in VTU website. If no changes to be made on proposed new syllabus from BOS members then it will be approved by the VTU.

Apart from this, the teachers also participate in 'Syllabus-revision' workshops organized by various colleges/ institutes. Teachers have also worked as Resource persons in workshops organized for syllabus Restructuring.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If "yes", how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new Programmes?

YES,

The subject teachers in discussion with the students collect any feedback from the Students regarding the curriculum of the university. The HODs will gather all the points of individual subjects and in turn forwards it to the principal. The principal will consolidate all the issues related to the curriculum and forwards it to the University for Future Course of actions.

The Institution also encourages feedback from various stakeholders such as alumni's who are currently working in industries and resource persons who witness conferences, seminars and workshops.

1.4.3 How many new Programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/Programmes?)

New Courses were introduced in the last four years in institution.

Year	Details of courses	Reasons for introducing the courses
2013-14	M.Tech in Machine Design	Demand for post-graduates in the field of Machine Design and Analysis.
2014 -15	1. M.Tech in Structural Engineering. 2. M.Tech in Computer aided design of structures.	Demand for post-graduates in the fields of Structural Engineering and Computer aided design of structures.

CRITERION-II

2 TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the College ensure publicity and transparency in the admission process?

Publicity:

The institute is 15 years old and is popular among the students and the parents as one of the most reputed institute in Karnataka and in the southern part of the Bengaluru in particular. It is one of the most sought after college in this region and the interaction among the stake holders gives enough publicity.

Apart from this, publicity is given through:

- Advertisements are released in newspapers
- *Website:* The institutes' website http://www.sjbit.edu.in gives the entire information on institute, its infrastructure, faculty, activities and admission details.
- *Information Brochure:* The institutes' Brochure contains information about departments, faculty, infrastructure, placements and achievements. It provides guidelines for admission seeking candidates and their parents.
- *Alumni:* The institute has a strong Alumni network working in all facets of engineering, business and government organizations. The alumni are one of the major publicizing sources.
- The institution participates in educational fairs, technical exhibitions, programs in electronic media and uses such other opportunities for propagation of institutional achievements as well as programs.

Transparency:

Admission notification is hosted by Karnataka Examination Authority, Government of Karnataka, Bengaluru. The admissions are done as per the guidelines given by Government of Karnataka. These guidelines are clearly mentioned in the institute brochure.

The institution strictly adheres to the guidelines constitute by the government and other concerned governing bodies which ensures 100% transparency in the admission process.

- 45% of the UG seats are filled through common entrance tests conducted by KEA, 30% from COMED-K and 25% from management quota.
- 80% of the M.Tech seats are filled through common entrance tests conducted by KEA and20% from management quota.
- 50% of the MBA seats are filled through common entrance tests conducted by KEA and 50% from management quota.
- PhD seats are filled by following the rules & regulations of the university.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) Merit (ii) Common admission test conducted by state agencies and national agencies (iii) Combination of merit and entrance test or merit, entrance test and interview (iv) any other to various Programmes of the Institution.

Admission criteria and reservation for the programme as follows:

UG	**BE**	45% of the Seats through Karnataka Govt. Common Entrance Test conducted by KEA.	Seats will be allotted by Karnataka Examination Authority (KEA) based on merit cum reservation for SC/ST/OBC.
		30% of the seat through COMED-K Exam.	Seats will be allotted by COMED-K Cell based on merit in the COMED-K
		25% of the seats to be filled under Management Quota	As per merit among the applicants.
		Additional 5% Super-Numery Quota seat through KEA	Seats will be allotted by Karnataka Examination Authority (KEA) based on merit and income
		Additional 20% for lateral entry Candidates who have passed the three year diploma examinations /B.Sc with Physics, Chemistry and Mathematics as main subjects or its equivalent are eligible for direct admission to the second year of the B.E. Degree Programme.	Admission under this category is made on the basis of entrance test conducted by KEA.
PG	**M.Tech**	80% of the seats through Karnataka Govt. PG Common Entrance Test/ GATE.	Seats will be allotted by KEA based on merit cum reservation for SC/ST/OBC
		20% of the seats to be filled under Management Quota	As per merit among the applicants.
	MBA	50% of the students are admitted under government quota.	This admission is done by Government of Karnataka through PGCET.
		Remaining 50% of the seats come under management quota.	Admission to seats under management quota is made on the basis of an entrance test conducted by institution/ K-MAT/C-MAT etc.
Ph.D	**Ph.D**	100% of the seats through University Entrance test & Interview	Selection will be done by the University as per merit in Entrance test and personal Interviews

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the Programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

- Minimum percentage of marks required as eligibility for admission to various technical and management courses are set by the government time to time. Merit based Seat allotments are done by the Karnataka Examination Authority and COMED-K.
- There is no upper limit of marks for admissions into any of the courses.

The details of students who got admitted through KEA and COMED-K for UG and through PGCET for PG Programmes for last four academic years:

UG Programme:

Department	Year	Admitted through KEA Counseling		Admitted through COMED-K / Management Quota	
		Max. Ranking	Min. Ranking	Max. Ranking	Min. Ranking
ECE	2016-17	10821	6134	47873	12306
	2015-16	8231	5403	19914	9267
	2014-15	8028	4820	16935	7204
	2013-14	9566	5224	13888	9007
CSE	2016-17	10072	4392	13451	7388
	2015-16	9655	5167	16809	11040
	2014-15	8904	4313	32216	11460
	2013-14	15650	4456	16814	11001
ISE	2016-17	11929	8148	17862	11738
	2015-16	11854	7720	16809	11040
	2014-15	13026	7912	22259	11649
	2013-14	20254	9513	16895	10932
EEE	2016-17	15897	11038	47837	17631
	2015-16	16970	10223	40320	13894
	2014-15	11517	7791	32216	11460
	2013-14	12263	8983	16814	11001
ME	2016-17	21978	12370	41339	19310
	2015-16	18095	8876	41211	13023
	2014-15	15921	8523	31016	13780
	2013-14	75572	19090	15030	9255
Civil	2016-17	25174	14586	53292	21474
	2015-16	20689	11226	42781	11854
	2014-15	19525	8267	42624	18117
	2013-14	19203	12362	26577	8117

PG Programme:

PG Programme	Year	Admitted through PGCET Counseling	
		Minimum Ranking	Maximum Ranking
VLSI & ES	2016-17	5342	13511
	2015-16	2400	3985
	2014-15	3502	4264
	2013-14	865	2234
	2012-13	815	1808
DE	2016-17	6743	12060
	2015-16	2527	5878
	2014-15	3689	5097
	2013-14	2524	3778
	2012-13	1559	2898
DCN	2016-17	4740	9875
	2015-16	2761	4351
	2014-15	2853	5216
	2013-14	1573	2812
	2012-13	1191	2551
CSE	2016-17	7324	13532
	2015-16	4439	6295
	2014-15	4471	5553
	2013-14	774	1769
	2012-13	71	2496
CE	2016-17	--	--
	2015-16	8034	12757
	2014-15	4654	8745
	2013-14	1192	3225
	2012-13	360	5940
CNE	2016-17	7226	13223
	2015-16	3240	7983
	2014-15	4296	5480
	2013-14	1641	2785
	2012-13	337	3573
Machine Design	2016-17	9452	13825
	2015-16	2570	8108
	2014-15	2736	3616
	2013-14	1702	4115
	2012-13	-	-
CAD Structures	2016-17	2576	10234
	2015-16	5218	7649
	2014-15	3980	10351
	2013-14	-	-
	2012-13	-	-
Structural Engineering	2016-17	2209	3293
	2015-16	3737	5109
	2014-15	3697	5088
	2013-14	-	-
	2012-13	-	-
MBA	2016-17	88	16324
	2015-16	423	5929

	2014-15	863	3601
	2013-14	1582	4019
	2012-13	1144	15407

The detail comparison with other colleges of the affiliating university within the city

College	Dept.	CET
		Max
RNSIT	ECE	6168
	CSE	4256
	ISE	6692
	EEE	11606
	CV	20961
	MECH	15657
GAT	ECE	21767
	CSE	16914
	ISE	19340
	EEE	36358
	CV	40674
	MECH	38096
DBIT	ECE	31472
	CSE	23671
	ISE	26433
	EEE	59702
	CV	46812
	MECH	55788
JSSATE	ECE	9171
	CSE	7394
	ISE	9751
	CV	25693
	MECH	18934

2.1.4 Is there a mechanism in the Institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?

Since the admission process is as per the guidelines of the state government of Karnataka and also seat allotment is handled by Karnataka Examination Authority (KEA) and Consortium of Medical, Engineering & Dental colleges – Karnataka (COMED-K), the institution has limited scope for defining admission process except in the case of management quota. However, the institution gives importance to the merit based admissions for management quota.

2.1.5 What are the strategies adopted to increase/improve access to students belonging to the following categories

- **SC/ST**
- **OBC**
- **Women**
- **Different categories of persons with disabilities**
- **Economically weaker sections**

- **Outstanding achievers in sports and extracurricular activities**
- **Minority community**

Students of all the sections are treated equally without any discrimination, irrespective of caste, creed and religion.

Category	Strategies
• SC/ST • OBC • Women • Different categories of persons with disabilities • Economically weaker sections. • Outstanding achievers in sports and Extra- curricular activities. • Minority community	• The institute follows reservation policy as per the Government for admissions of the socially, economically under privileged section, physically challenged persons, sports persons, children of Ex-servicemen and wards of the employees • Students of all the sections are treated equally without any discrimination, irrespective of caste, creed and religion. • Separate grievance redressal cells will take care of any issues related to the students. • Online facility is provided to post the grievances of the students.

2.1.6 Provide the following details for various programs offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

UG COURSES

Sl. No.	Dept.	Year -1 2013-14			Year-2 2014-15			Year-3 2015-16			Year-4 2016-17		
		AI	NSA	DR	AI	NSA	DR	AI	NSA	DR	AI	NSA	DR
1.	ECE	120	109	91	120	114	95	120	115	96	120	117	98
2.	CSE	180	175	97	180	176	98	180	178	98	180	178	99
3.	ISE	120	108	90	120	117	98	120	118	98	120	119	99
4.	EEE	60	55	92	60	50	84	60	40	67	60	47	78
5.	MECH	120	115	96	120	120	100	120	102	85	120	95	79
6.	CIVIL	120	116	97	120	111	93	120	106	88	120	103	86

PG COURSES

Sl. No.	Dept.	Year -1 2013-14			Year-2 2014-15			Year-3 2015-16			Year-4 2016-17		
		AI	NSA	DR	AI	NSA	DR	AI	NSA	DR	AI	NSA	DR
1.	VLSI & ES	18	18	100	18	16	99	18	14	78	18	7	39

2.	DCN	18	14	78	18	15	84	18	14	78	18	5	28
3.	DE	18	16	89	18	14	78	18	13	73	18	3	17
4.	CE	18	15	84	18	15	84	18	11	61	18	00	00
5.	CSE	18	17	78	18	15	84	18	15	84	18	8	44
6.	CNE	18	18	100	18	14	78	18	10	56	18	4	22
7.	MD	18	16	89	18	15	84	18	15	84	18	10	55
8.	SE	--	--	--	18	18	100	18	18	100	18	16	89
9.	CADS	--	--	--	18	16	89	18	16	89	18	12	67
10.	MBA	120	16	14	120	91	76	120	118	98	120	109	91

AI: Approved Intake, NSA: Number of Students Admitted, DR: Demand Ratio

The admission trend reflected in the above table clearly demonstrates positive scenario observed in the mindset of the people which is the result of effective class room teaching, skill development activities, placement activities, industry-institute collaborations and etc.

2.2 Catering to Diverse Needs of Students

2.2.1 How does the institution cater to the needs of differently abled students and ensure adherence to government policies in this regard?

- The Government policy for the differently abled students is strictly complied with during the admission.
- Special arrangements for mobility are made at the time of examination.
- Elevators and barrier freeways at appropriate places are made available for such students for easy mobility.
- Special counseling sessions will be provided for the differently abled students of their need.
- Any special permission required for the students in related to the academic matters are attended as per the university norms.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

Yes, an information kiosk is setup to capture the vital information of the student's viz., hobbies, area of interest, any accomplishments, participation in national/ international sports and cultural events.

For first year students, the institute organizes an orientation programme for fresher. The Programme Schedule is as follows:

- Inaugural Function,
- Principal address to the Students regarding the rules and regulations of the college and facilities.

For second year onwards before commencement of the semester, HOD will

organize the orientation programme about the department activities and class teachers collect vital information of the students.

During the conduction of the semester, basic knowledge and short comings of students are assessed by the teachers through one to one interaction under mentoring system. Based on any shortcomings observed by the teachers, skills such as Language, Oral communication, written communication, analytical, computer & internet skills are imparted to the students.

2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge /Remedial / Add-on / Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

Bridge/Enrichment Courses:

- For Diploma Students, Bridge course for mathematics will be conducted.
- Gaps in the syllabus are identified and the bridge courses are conducted in the form of additional classes by faculty, guest lectures, Seminars, workshops and other trainings.
- Industrial visits are arranged to the students every year to build their strong practical knowledge to meet the future needs of the industries.
- Personality development courses are conducted to prepare the student to face real time challenges.

Remedial Classes:

- Slow learners are identified by the respective subject teachers based on the performance in the internals, exam and others. Additional coaching will be provided to such students at individual levels to make the students improve their performances.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

- The college does not discriminate the students and staff on the basis of their gender and religious issues.
- Equal opportunities are given to both the genders.
- Women Grievances Redressal cell is activated and it functions for the benefit of the women employees and girl students.
- NSS camps are organized every year emphasizing on social, economic and environmental issues such as cleanliness, educational needs, health camps, plantation of saplings, etc.
- Blood donation camp is organized under college NSS Cell. The students come forward and donate blood for the benefit of the public.
- Environmental Day is observed as Green Day.
- Various events on relevant topics like women empowerment, and women rights will be organized.
- Every year, Women's Day is celebrated with great enthusiasm.

- Institute encourages the individual departments to organize the community service activities regularly.

2.2.5 How does the institution identify and respond to special educational / learning needs of advanced learners?

- The advanced learners are encouraged to participate in symposia, workshops and seminars to gain knowledge on the latest developments.
- College has MOUs with leading industries and R&D centers through which advanced learners are encouraged to take up mini and major projects in the advanced topics.
- They are provided with the guidance about patents, project management and prototype building. They are provided with the extra exposure by organizing competitions on paper presentations, projects, games, software development etc.
- Special GATE and other competitive exams coaching for advanced learners is given by concerned faculty and outside experts are also invited to train the students.
- Advanced learners are motivated to study diverse technical topics – which are in recent discussion on the global platform – and they are encouraged to use this study to present at different platforms such as writing article in magazine, group discussion, poster presentation as and when they are organized.
- Additional learning materials are provided to the advanced learners.
- Research committee is constituted to facilitate the promising students to undertake research activities.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of dropout (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

- The institute has a centralized Students Information Management System (SIMS) regarding the academic related activities like internal assessment, university exams, etc.
- Reports can be generated from the SIMS, so that first-hand information is available with faculties to analyse and deal with low performing students.
- Each faculty proctor is put in charge of 20 students to counsel, shape and advises them to ensure their overall comprehensive growth and achievements.
- Parents meet is organized during which the parents can meet the HOD, proctor and the faculty members and discuss about the progress of their ward.
- Number of dropout cases across the institution is negligible.
- Any other deprived students (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc) will be given utmost importance with due care, so that such students feel comfortable to perform at par with other students.

2.3 Teaching-Learning Process

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

Academic Calendar:

An academic calendar is compiled by the institution which encompasses the following components:

- A common academic calendar of events is prepared in the beginning of every semester and published in the notice boards and college website.
- Academic calendar of events includes academic schedule like starting and ending dates of the semester, commencement of theory and practical examinations, internal test dates, student feedback, parent teacher meeting, working days, guest lectures, workshops, conferences, seminars, sports & cultural event details and holidays.

Teaching Plan:

The teaching plan is prepared for every semester and procedure is as follows

- Principal convenes meeting of all the HODs to discuss about the academic activities to schedule the academic calendar of events.
- At department level, each faculty member shall submit choice of subject for the theory as well as practical classes in a standard format labeled subject preferential list & allocation.
- The HOD convenes a staff meeting to discuss the subject preferential list of teachers and allocates both theory and practical subjects to each faculty in a transparent manner.
- A timetable committee is formed with the Principal as chairman and coordinator from each department as members and is responsible for the preparation of the time table.
- A Master time table is prepared articulating individual time tables prepared by the respective departments.
- A detailed lesson plan as per the defined format is prepared by the respective faculty member in accordance to calendar of events. The Chief coordinator at macro level oversees the conduction of theory classes and lab conduction as per the master time table.
- Faculty may engage additional classes to accommodate the lesson plan.
- The faculty members are provided with attendance book, syllabus, and calendar of events.
- Faculty shall maintain a class record reflecting the details such as the day and date on which the classes are taken and actual portion of the syllabus covered. HODs shall review the class records periodically to ensure the smooth conduction of the classes/activities planned.
- Course material is prepared by teachers in their respective subjects and made available to students.
- Student's feedback is taken on every course to analyze the effectiveness of course delivery.

Evaluation Blue Print:

- As per the university norms, three evaluation tests are conducted in every

semester.

- Test papers are evaluated by the concerned faculty and performance in the test is communicated to the students for clarification.
- Assignments, Quiz, Self-study topics are identified by the faculty and given to the students during the semester
- HODs conduct staff meetings and Principal conducts HODs meeting at regular intervals to monitor the academic performance and progress during the semester.
- Semester end practical and theory examinations are conducted as per the guidelines and procedure laid down by the university. For practical examinations, two examiners are appointed (one internal and one external compulsorily) by the university. The evaluation of examination papers of theory courses are conducted by the university by inviting the eligible faculty from different institutions and results are declared as per the schedule. The university has adopted Digital Valuation.

2.3.2 The final internal assessments will be awarded on the basis of performance of the student in three Internal Assessment tests, Presentations and Assignments. The parents are appraised about their wards performance on a regular basis.How does IQAC contribute to improve the teaching–learning process?

IQAC as per the NAAC guidelines is yet to be formulated.

However, The Total Quality Management Team (TQMT) is formulated by the institution drawing senior faculty members from all the departments. The team will visit individual department twice in a semester to assess the department performance in terms of delivering quality education and overall development of student fraternity. The evaluation of the individual department is based on students centric, teacher centric and department centric activities. This will serve as a bench mark to all the departments to practice and adopt the innovative teaching pedagogy that results in better teaching learning process.

The committee monitors each curricular, co- & extra-curricular activities of the department and ensures that the same is been conducted efficiently.

2.3.3 How learning is made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

- Faculty uses teaching aids such as Black board, LCD projector, and white board with marker pen, charts, physical models etc. to convey the information to students during class room interactive teaching.
- Faculties are provided with dedicated computer systems and seamless internet connectivity to get access to the worldly information on the subjects of interest.
- Faculties are provided with iPads for handling the classes more interactively and engage in collaborative learning methodologies.
- Most of the class rooms and all the seminar halls of respective departments are equipped with dynamic show off digital infrastructure.
- The students are encouraged to ask questions to get their doubts cleared.
- The assignments and quizzes will have to be answered by students on their own,

which makes learning more students centric.

- The provision of integrated course helps the students to understand the theoretical aspects with practical exposure.
- Laboratory manuals are prepared for all the laboratories to give guideline to the students to understand and carry out experiments.
- The work done by students in laboratory classes has to be recorded in a laboratory record book which in turn is evaluated by the concerned faculty.
- In addition a laboratory log book is also maintained to monitor the progress of students in each laboratory.
- To encourage independent learning students are persuaded to deliver seminars not only on course related topics but also on emerging areas of technology.
- The students are encouraged to carry out mini projects in their area of interest and present technical papers in conferences.
- The students have to take up a project work as a part of their curriculum during the 8th semester. Such projects are carried out under the guidance of teachers. In addition students can also take help from outside resource persons and facilities from industries, R & D centers and reputed college like IISc.
- Students are encouraged to participate in Tech fests and present their projects/models.
- The institution organizes project exhibition and completion every year. The best projects are awarded with cash prize and certificates

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

- The institution has made an elaborative plan by inducting various committees on industry visits, technical quiz, incubation centers, domain specific software, e-learning materials, digital library, science and technology exhibition, student project models, cultural and techno fest, national and international conference, symposium, and industry integrated certification Programmes.
- The department level forums and clubs organize various competitions for students to nurture and showcase their talent in both curricular and co-curricular aspects.
- The college encourages the students to participate in various national and international level fests to showcase their talent and innovative ideas.
- College organizes “Project Exhibition” for the final year students and prizes are given to innovative projects.
- College encourages the involvement of students in mini projects and awards are given to innovative mini projects.
- Students are encouraged to think about the alternate solution to a problem, new method of solving a problem etc. as applied to numerical examples in their course work.
- College sponsors students to present their innovative ideas in the form of technical papers, national and international conferences.

- College helps the students in getting the sponsorship for their project work from the funding agencies like KSCST, VGST etc.
- College also helps students to secure training in industries.
- College arranges internship of the students in industries.
- Centre of excellences of various companies are established.

2.3.5 What are the technologies and facilities available and used by the faculty for effective Teaching? Eg: Virtual laboratories, e-learning-resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NMEICT), open educational resources, mobile education, etc.

The institution provides the technologies and facilities available and used by the faculty:

- VTU e-learning platform - EDUSAT
- Hi-speed internet connectivity across the college.
- Membership of National Digital Library.
- Use of multi-media projectors.
- E-Library with access to several journals from Science direct, IEEE, etc.,
- Open educational resources (access to e-journals and e-books).
- Language laboratory.
- Digital class rooms with iPads.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and Skills (blended learning, expert lectures, seminars, workshops etc.)?

- Faculty members and students are encouraged to participate in various National, International Seminars, Refresher courses, Workshops, conference, Short Term Training Programmes and FDPs.
- Organizing the guest lectures/Seminars, workshops, conferences by inviting eminent personality from industry and academia.
- Domain specific industry visits are organized by the departments.
- Personality development programs are organized by the training and placement cell of the institute.
- Students are encouraged to participate in various co-curricular and extra-curricular activities organized across the country.

2.3.7 Detail (process and the number of students \ benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advice) provided to students?

- Faculty proctor (mentors) is nominated for identified group of students. This is done during the first year and the proctor will continue to monitor the growth of the students and academic needs, the proctor is constantly in touch with the parent/guardian.

- Professional counselling is given by the college placement officer on a regular basis and experts from the industry and institutions are invited to brief and guide the students. Maximum numbers of students are counselled professionally every year and get benefited.
- Institution organizes the GATE/TOEFL coaching seminars every year.
- Information about the student performance is sent to parents through MIS/Phone/Email.
- College regularly organizes Parents -Teachers Meet where parents can interact with counsellors and course teachers about their ward's performance.
- Performance Evaluation of students in the examination/SEE is carried out and special Coaching classes are held for the benefit of weaker students.
- Students who are at the risk of drop out are given special attention and are advised to give maximum importance to critical subjects to prevent from being detained.
- The Grievance Redressal Cell addresses grievances regarding the academic and other matters like hostel, transport, canteen problems.
- A counsellor is engaged by the institution for helping the students to solve their psycho-social related issues.

2.3.8 Provide details of innovative teaching approaches / methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faulty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

The following innovative teaching methods adopted by the faculty:

- Digital class rooms using iPads.
- Teaching aides are used to provide practical approach for learning.
- Animated and real time videos are used for teaching purposes.
- Students are encouraged to participate in technical events organized by the institute and outside the institute.
- A separate Research and Development wing is setup to encourage R& D activities across the institution.

Institution provides the following facilities to encourage and practice the innovative teaching methods:

- High-speed Internet facility is available to students and faculty.
- Digital projectors and associate set up is provided.
- Online availability of e- journals and e- books in the intranet.
- Well stacked library.

2.3.9 Faculty members are deputed for attending Workshops/ Conferences/ FDPs.How are library resources used to augment the teaching- learning process?

- Library is enabled with LAN, and Internet facilities.

- In addition to the well-Stacked-Library, each department has its own departmental Library to facilitate easy access to the faculty, students and research scholars.
- E-resources provide access to wide range of international journals and books.
- Newspapers, magazines and journals are subscribed by the library.
- Library has a collection of 37833 volumes with 5963 titles.
- Faculty is provided with 08 books and students with 03 books.
- 3562 e-journals have been subscribed and 17423 e-books available.
- Separate Reference section is available.
- Library works beyond the college working hours for the benefit of staff and students.
- Reprographic facility is available.
- College is member of VTU Consortium, DELNET and British Council Library.
- E-learning facility is also available.
- Book Bank facility for SC/ST students is available, which is funded by Social Welfare Department, Govt. of Karnataka.
- The college has EDUSAT facility sponsored by VTU.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

Yes,

The stipulated time frame for completing the syllabus sometimes offers challenges such as loss of classes due to unexpected holidays, students from diverse background and abilities.

Teaching plans are made accordingly, in order to complete the curriculum within the schedule time frame. Any short fall in overcoming the challenges is overcome through the tutorial classes, personality development classes, motivational talks, etc.

2.3.11 How does the institute monitor and evaluate the quality of teaching Learning?

- Teaching-learning is monitored through feedback from the students and Heads of Department every semester. The feedback is noted for corrective measures.
- All the classrooms are under CCTVs surveillance.
- Feedback is taken from the parents and employers
- Students' performance will be reviewed after each Internal Assessment test, and corrective measures are initiated.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.

- Staff requirement by each department is collected well in advance by the office of the principal and appropriate sanctions of the management are obtained for creation of any new post / cadre.
- Advertisements in reputed National dailies are released / published well in advance. Application are scrutinized for shortlisting the prospective candidates and called for the interview.
- Each recruitment team comprises of the Management representative, Head of the Institution, Head of the Department, the external subject experts and senior faculty from the department.
- Institute encourages the faculty to grow along with the institution by providing good exposure and professional growth.
- The compensation benefits are extended to all the eligible faculty members as per the norms laid down by competent authorities.

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	---	---	---	---	---	---	---
Ph.D.	25	05	07	---	---	---	37
M.Phil.	---	---	01	02	02	02	07
PG	01	--	12	18	79	77	187
Temporary teachers							
Ph.D.	---	---	---	---	---	---	---
M.Phil.	---	---	---	---	---	---	---
PG	---	---	---	---	---	---	---
Part-time teachers							
Ph.D.	---	---	---	---	---	---	---
M.Phil.	---	---	---	---	---	---	---
PG	---	---	---	---	---	---	---

2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new Programmes /modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

- The institute has adequate number of competent and qualified teachers to cadre to all the new programs/courses.
- In required cases, visiting senior faculty are recruited or guest lecture series by industry experts are arranged to handle the newer programs/courses and train the faculty.

- In case of need, the HR department advertises the positions open in leading dailies with specific requirements for expertise and are recruited through a scrutiny by specially designated board of selection comprising subjects' experts from other universities/institutions.

2.4.3 Providing details on staff development Programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

a) Nomination to staff development Programmes

Academic Staff Development Programmes	Number of faculty nominated
Refresher courses	20
HRD Programmes	15
Orientation Programmes	All teaching Staff
Staff training conducted by the university	All teaching Staff
Staff training conducted by other institutions	106
Summer / winter schools, workshops, etc.	95

b) Faculty Training Programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning.

The institution organizes wide spectrum of Programmes in the domains of engineering and management. The institution believes in integrating technology to teaching methods in this regard the institution has collaborated with apple technologies, to provide hands-on experience on IOS development, i-MAC and i-Pad devices.

Training Programmes in nutshell:

Sl. No.	Department	No. of Training Programmes organized
1.	ECE	17
2.	CSE	27
3.	ISE	20
4.	EEE	06
5.	ME	16
6.	Civil	05
7.	MBA	05
8.	Basic Science	03

c) Percentage of faculty

- Invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies: **21%**
- Participated in external Workshops /Seminars / Conferences recognized by national/ international professional bodies: **47%**
- Presented papers in Workshops / Seminars / Conferences conducted or

recognized by professional agencies: **59%**

2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

- The faculty members of institution are given opportunity to upgrade their qualifications to masters/doctorate/ levels. Faculty members are permitted to pursue higher studies under this program in premier institutions.
- Priority is given to the faculties to pursue research in house with all the amenities.
- For research and academic publication the institution supports by reducing the work load, by giving study leave and Official Duty leave, infrastructure, and man power.

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

- Five faculty members received awards / recognition at the state, national and international level for excellence in teaching during the last four years.
- Facilities and encouragement by institution for academic excellence, opportunities for involvement in consultancy, research and participation in conferences [National and International] have contributed a lot for the achievement.

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

Yes,

- Evaluation of teachers by the students is done through online Students Feedback system in each semester. The feedback from the students is received for each individual faculty member.
- Academic Performance Index and Annual Appraisal of the faculty member are evaluated. The faculty members are suggested to improve upon the critical areas and are encouraged to attend to faculty development Programmes.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stake holders of the institution especially students and faculty are aware of the evaluation processes?

The stakeholders are ensured of the evaluation process by the following means:

- The institution is affiliated to the Visvesvaraya Technological University, Belagavi, Karnataka and the university sets the guidelines for the evaluation process.

- However, the institution has set itself in the highest of its standards to evaluate and analyze the performance of the students.
- The parents and students are given awareness about the evaluation process through circulars, handbooks, and university and college websites.
- Orientation Programmes for the fresh students who have joined the college are being conducted to give awareness about the study in professional colleges, examinations and evaluation during the first day and fresher's day addressed by Principal.
- Test and Exam time table schedule will be displayed in college website (www.sjbit.edu.in), notice board.
- The evaluation process is discussed thoroughly in the staff council meeting and the required changes are brought in and informed to the students and the faculty.
- After each internal test, performance of the student is analyzed by the course teachers. HODs shall go through the test result analysis to initiate corrective measures.

  Results are announced through the website as well as through SMS.
- After the results are declared, the result analysis is carried out and reason for poor performance, if any, is analyzed.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

Following are the evaluation reforms adopted by university and implemented by the institution.

- Question papers are issued from the centralized question bank. The question papers are generated 30 minutes before the commencement of the examinations.
- The college has also implemented the SIMS for maintaining the student records. SMS about the student performance are sent to the parents through this software.
- Continuous assessment and credit-based grading has been introduced by the university.
- Entry of attendance and mark details in the web portal and automated calculation of internal assessment marks were introduced by VTU, Belgaum.
- The university has introduced a scheme of applying for photocopies of answer scripts for revaluation and chance to challenge the valuation. The fees for challenging the Evaluation of UG, PG papers and submission of PG project and Ph.D. thesis are through university web portal.
- The university has digitalized the entire evaluation process.
- Being affiliated institution, we cannot introduce any evaluation reforms of our own. We strictly follow university guidelines.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

- The Institution provides adequate publicity about university examination time table amongst all the stakeholders through mailers, institute website and notice boards.
- Principal being the chief superintendent of university examination convenes the

meeting to orient all the faculty and non-teaching staff of the institution about their roles and responsibilities in discharging their duties effectively.

- Institution has set its policy very clear to all the stake holders to strictly adhere to all the rules and regulations of the University for Effective Implementation of the evaluation reforms.
- Strictly monitored by the principal and in turn respective HODs of the institution.

2.5.4 Provide details on the formative and summative assessment approaches adapted to measure student achievement. Cite a few examples which have positively impacted the system.

- Three internal assessment tests are conducted every semester as per the university norms.
- Conduction of quiz.
- Weekly assignments.
- Class room presentation by students.

It is observed that the performance of the students has risen considerably after adopting the above said assessment methods.

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.

- Along with the internal assessment question paper, scheme of evaluation is prepared.
- After every internal test evaluation, the faculty will discuss the scheme of evaluation and the scope for improvement with the students.
- Comprehensive evaluation mechanism is devised by considering behavioral aspects, independent learning ability, communication skills of the students.

2.5.6 What are the graduates attributes specified by the college / affiliating university? How does the college ensure the attainment of these by the students?

The graduate attributes specified by the institution are as follows:

- Engineering Knowledge: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
- Problem Analysis: Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
- Design/ Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.

- Modern Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- The Engineer and Society: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
- Environment and Sustainability: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
- Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
- Project Management and Finance: Demonstrate knowledge and understanding of engineering and management principles and apply these to one‘s own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long Learning: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change. The attainment of these is done through direct and indirect methods.

Holistic learning methodology adopted as the institution policy ensures the overall achievements of the graduate attributes.

2.5.7 What are the mechanisms for Redressal of grievances with reference to evaluation both at the college and University level?

- **Redressal of grievances at college level –**
  The institution has a grievance redressal committee. The student, if dissatisfied with any aspect of the evaluation process can approach the concerned faculty. If the matter is not resolved between the student and the faculty, the matter is discussed with the HOD in the department and then with the principal.

- **Redressal of grievances at University level –**
  Any grievances related to the University are reported to the respective HODs. They are reported to the University after discussing with the Principal. There is a system in place at University level which takes care of the students and college grievances with reference to evaluation.

2.6 Student performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?

YES,

- The college has clearly stated learning outcomes. The learning outcomes are:
  - Subject knowledge
  - Employability skills
  - Professionalism
  - Values and Character building
  - Social responsibilities
  - Project management and finance
- The learning outcomes are clearly reflected in our vision and mission statement. The learning outcomes are highlighted to the faculty members through staff meeting.
- The learning outcomes are made aware to the students during the orientation programme, throughout the duration of the course by the faculty members.
- The objectives and learning outcomes of each course is specified in the syllabus copy for the ready reference by the students and staff.
- The learning outcomes are displayed on institute website and department notice boards. All the students are provided with course bulletin which will help the students to have an insight about the expectations of the course.

- The learning outcomes are clearly reflected in our vision and mission statement. The learning outcomes are clearly made aware to the faculty members during the induction and through staff meeting. The learning outcomes are made aware to the students during the orientation programme, throughout the duration of the course by the faculty members.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the Programmes /courses offered.

Department Name	UG RESULT ANALYSIS in %			
	2015-16	2014-15	2013-14	2012-13
ECE	96.55	98.51	99.09	100
CSE	95.56	96.46	96.40	100
ISE	97.22	97.69	95.90	100
EEE	96.05	93.87	81.83	79.66
MECH	93.34	98.61	100	98
Civil	96	95.50	89.10	98.25

	PG RESULT ANALYSIS in %

Department	2015-16	2014-15	2013-14	2012-13
VLSI & ES	100	100	100	100
DCN	100	100	100	100
DE	100	100	100	100
CSE	100	100	100	100
CE	100	100	100	100
CNE	100	94.44	100	100
MD	100	100	-	-
CAD	100	-	-	-
Structural Engg.	100	-	-	-
MBA	92	93.75	93	87

- Result analysis is carried out subject wise and semester wise by all the departments.
- Results are compared with the performance of the other competitive colleges.
- Differences, if any, are identified through critical analysis and necessary measures are initiated to improve the performance.
- Detailed result analysis is displayed on the notice boards for the student perusals.
- Probable rank students are identified and extra coaching classes are provided to secure the rank at the university level.

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

The teaching-learning strategies are structured to facilitate the achievement of the intended learning outcomes by designing the academic plan, lesson plan, innovative teaching-learning methods, MOU‘s with industry and research bodies, industrial visits. Providing an opportunity in curricular, co-curricular, extracurricular, project exhibitions in and out of the campus, organizing conference, seminars, workshops, guest lectures, training Programmes, which facilitates achievement of learning outcomes.

2.6.4 What are the measures / initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

- A dedicated placement and HRD cell at the institution level provides placement assistance to all aspiring students.

- The institution has Entrepreneurship Development Cell (EDC) and incubation center which facilitates the promising students to get technical and financial assistance from funding agencies.
- Domain specific R and D centers are set up at the institution level to nurture the innovative ideas and creativity of the students.
- Center of Excellence of various companies is established to empower the students with the enhanced skills.

2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

The institute collects and analyzes data on student performance through the following sources.

Employer's Feedback Analysis: The placement coordinator takes the feedback about our student performance in the industry work, analyzes the feedback and various measures and training are undertaken to improve the consecutive batches if any insufficiencies are found.

Proctor System: Overall growth of the student is measured by closely examining the day-to-day activities of the students by the respective proctor.

Class Teachers: The attendance and class performance of the students is monitored by the class teachers.

Internal Assessment Results (IA): The IA result directly gives the performance of the student.

Examination Results: Result analyses are performed qualitatively and quantitatively to observe and make any corrective/improvements.

Overcoming Barriers:

- Based on the IA results Remedial classes, Tutorial classes, Discussion of question papers of previous years, Guidance regarding the technique of answering questions during exams, encouraging students to make more use of departmental and college library, counseling in cases of examination related anxiety, etc. are some of the usual methods employed for overcoming the barriers of learning.
- Based on the University results, bridge courses are conducted for weak students and advance knowledge is given to shrewd students to boost their academic performance.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

- Department monitors the students' performance by doing result analysis regularly to identify slow learners providing extra help.
- Periodic assessments of the students are done through presentations, quiz conduction and assignments, etc.
- Students' feedback is regularly taken.
- Placements file is maintained to keep track of the students and the company they

have got placed into and how to improve the placements quality.

- The department keeps track of the students who have opted for higher studies not only in India also at abroad universities.

2.6.7 Does the institution and individual teacher use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

Yes,

- The teacher monitors the academic growth of the students and plan further tests, assignments, seminars accordingly. Student centric teaching- learning methods are adopted to ensure the achievements of these learning outcomes.
- Continuous assessment, Class committee meetings, periodical meetings by the HOD and the Principal with the concerned are the system available in the institution to monitor the achievements of learning outcomes.
- The faculty members are encouraged to conduct surprise tests, quizzes, etc. to monitor the academic progress of each student.

CRITERION - III

3 RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the Institution have a Recognized Research Center/s of the affiliating University or any other agency / organization?

Yes,

Visvesvaraya Technological University, Belagavi has recognized the following departments as research centers.

Sl. No.	Research Centers
1.	Computer Science and Engineering
2.	Electronics and Communication Engineering
3.	Information Science & Engineering
4.	Mechanical Engineering
5.	Civil Engineering
6.	Physics
7.	Mathematics

Note: Remaining three departments Dept. of EEE, Dept. OF Management studies and Dept. of Chemistry are awaiting recognition from Visvesvaraya Technological University, Belagavi for the academic year 2017-18.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes,

The Institution has a well formulated research committee. The composition of the committee are given below

Sl. No.	Name of the Faculty	Designation	Department
1.	Dr. Puttaraju	Chairman	Principal
2.	Dr. Mahendra Prashanth	Convener	Electronics and Communication Engg.
3.	Dr. Chandrappa D N	Member	Electronics and Communication Engg.
4.	Prof. Jaganath Rao	Member	Electronics and Communication Engg.
5.	Dr. Krishna A N	Member	Computer science and Engg.
6.	Dr. Srikantaiah K C	Member	Computer science and Engg.
7.	Prof. Lalithamma G A	Member	Electrical and Electronics Engineering
8.	Prof. Chandrashekar M J	Member	Electrical and Electronics Engineering
9.	Dr. Krishna M K	Member	Civil Engineering
10.	Prof. Lakshmi C	Member	Civil Engineering
11.	Dr. J Sathish	Member	Mechanical Engineering
12.	Dr. Kiran Kumar P	Member	Mechanical Engineering

13.	Dr. Yogisha H K	Member	Information science and Engg.
14.	Dr. M V Ramakrishna	Member	Information science and Engg.
15.	Dr. Padmaja Venugopal	Member	Mathematics
16.	Dr. B H Doreswamy	Member	Physics
17.	Dr. Jaydev	Member	Chemistry
18.	Dr. Buvaneswari P	Member	MBA

The Recommendations made by the Research Committee are:

- Collaboration with various research industries.
- To procure plagiarism software.
- Research scholar's progress to be monitored regularly.
- Research carried out should be to suit the society needs.
- To submit proposals to the funding agencies.
- To acquire e-resources required for carrying out research.
- To encourage faculty and research scholars to publish original research works.
- To acquire membership of domain specific professional bodies.
- To organize awareness programme on research methodology, Publication standards, IPRs, etc.

IMPACTS:

- Various awareness programs on research methodologies are organized.
- Four patents are filed.
- Subscribed to E-journals.
- Majority of the faculty members have registered for research programmes (Phd/MSc Engineering).
- Number of publications in peer reviewed national and international journals have increased many folds.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes / Projects?

- **Autonomy of the principal investigator**

  Principal investigator enjoys the autonomy and he/ she is the prime person implementing the plan of execution of the project. The heads of the departments cooperate with the principal investigator whenever it is solicited.

- **Timely availability or release of resources**

  The institution ensures the timely availability of resources viz., financial, technical and man power for the execution of the projects as per plan.

- **Adequate infrastructure and human resources**

  The research centers of the institution are equipped with state of art laboratories, e-resources, qualified research supervisor, sophisticated equipment, work space, required technical and administrative staff for the research projects.

- **Time-off, reduced teaching load, special leave etc. to teachers**

A dedicated research and development center is established at institution level by drawing Faculty members from various departments to assist the ongoing research activities. These faculty members are partially exempted from regular teaching, laboratory and other academic assignments.

- **Support in terms of technology and information needs**

  All supervisors are provided with personal computer/ laptops with internet connectivity, LAN, on-line and digital resources etc. Research centers are also equipped with computers, printers and scanners.

- **Facilitate timely auditing and submission of utilization certificate to the funding authorities**

  The institution employs a Certified Auditor to provide utilization certificate for the expenditure incurred on the project. The service of the Institute administrative staff is extended for the preparation and submission of utilization certificates in time.

- **Any other**

  Transportation and Man power is provided as per the requirement.

3.1.4 What are the efforts made by the institutions in developing scientific temper and research culture and aptitude among students?

Major steps taken for research activities among students are:

- Organizing seminar on research prospective.
- Organizing workshop to help UG/PG student for learning recent technologies.
- Conducting project exhibition every year.
- Motivate the students to publish papers in National/International Journals and Conferences.
- Availability of Digital Library facilities.

3.1.5 Give details of the faculty involvement in active research (Guiding student research leading Research Projects, engaged in individual/collaborative research activity, etc.)

Sl. No.	Faculty	Dept.	No. of Research Scholars	No. of Research Projects
1.	Dr. Nataraj K R	ECE	04	02
2.	Dr Mahendra Prashanth K V		02	-
3.	Dr. Rekha K R		02	01
4.	Dr. Chandrappa D N		04	01
5.	Dr. Vijay Kumar T		02	-
6.	Dr. Somshekar K		04	-
7.	Dr. Mahantesh		03	

8.	Dr. Mallikarjun Swamy		02	
9.	Dr. Krishna A N	CSE	02	-
10.	Dr. Srikantiah K C		05	-
11.	Dr. Naveena C		05	-
12.	Dr. Mohan H S	ISE	06	-
13.	Dr. Ramakrishna M V		05	-
14.	Dr. Yogisha H K		02	-
15.	Dr. Babu N V	EEE	03	-
16.	Dr. J. Satheesh	MECH	04	-
17.	Dr. Kiran kumar P		02	01
18.	Dr. H.K. Srinivas		05	-
19.	Dr. H.R. Vittala		02	-
20.	Dr. Puttaraju	Civil	02	-
21.	Dr. M K Krishna		02	-
22.	Dr. S V Rajeeva		02	-
23.	Dr. Padmaja Venugopal	Mathematics	02	01
24.	Dr. Doreswamy B H	Physics	05	-
25.	Dr. Jayadev	Chemistry	04	-
26.	Dr. Buvaneswari P	MBA	02	-

3.1.6 Give the details of workshops / training Programmes / sensitization Programmes conducted / organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

List of workshop/FDP Programmes conducted by Various Departments of the institution.

Sl. No.	Dept.	Title of the lecture in workshop / seminar	Date
1.	ECE	Three day workshop for technical staff	30/01/2013 to 1/02/2013
2.		Robo tryst Workshop	11/02/2013 to 12/02/2013
3.		Tech talk	13/02/2013
4.		Three day workshop research methodologies and latex	25/06/2013 to 27/06/2013
5.		One day workshop on Cadence OrCAD software by FTD Automation	06/11/2013
6.		Two days' workshop on Research Methodologies and Latex	08/11/2013 to 09/11/2013
7.		Five day workshop on Lab view	28/01/2014 to 30/01/2014
8.		Three day FDP on Graphical System Design in Engineering and Technology using NI's Lab view	30/01/2014 to 01/02/2014
9.		Four day workshop on Cadence	03/02/2014 to 06/02/2014
10.		2 day workshop on ARM Processor	07/05/2014 to 08/05/2014
11.		3 day FDP on ARM CORTEX Processor	08/09/2014 to 10/09/2014

12.		2 day workshop on ARM Processor	17/10/2014 to 18/10/2014
13.		2 day workshop on Cadence tool	29/10/2014 to 30/10/2014
14.		3 day workshop on NI lab, Cadence, Verilog and ARM Processor	28/01/2015 to 30/01/2015
15.		3 day workshop on NI lab view	05/02/2015 to 07/02/2015
16.		3 day workshop on Graphical System Design in Engineering and Technology using NI's Lab view	05/05/2015 to 07/05/2015
17.		1 day workshop on Money minded Program	25/04/2015
18.		1 day workshop on Advanced UNIX C Program	12/05/2015
19.		3 day workshop on ARM Processor	10/08/2015 to 12/08/2015
20.		3 day workshop on Research Methodologies and Latex	29/08/2015 to 01/09/2015
21.		2 day workshop on Or cadence Pspice	20/09/2015 to 21/09/2015
22.		1 day workshop on Application Design Prototyping	03/11/2015
23.		6 days FDP on Advanced Digital Electronics System Design by using NI's Lab view	20/01/2016 to 25/01/2016
24.		One day workshop on NI	06/05/2016
25.		Six day workshop on Advanced Digital Electronics System Design by using NI's Lab view	25/07/2016 to 30/07/2016
26.		Six day FDP on IOT for emerging engineering applications	23/01/2017 to 28/01/2017
27.	CSE	Web Development 1	11/04/17 to 13/07/17
28.		Machine Learning with Python and R Tools	16/01/2017 to 21/01/2017
29.		Ajax and JQuery	03/11/2016 to 05/11/2017
30.		Ruby on Rails	10/05/3016
31.		Managing Big Data	3/03/2016, 4/03/2016
32.		Virtualization and Cloud Computing	6/10/2015, 7/10/2015
33.		App Design Prototyping	3/10/2015
34.		Skill Development	7/05/2015
35.		Hack Android	29/04/2015, 30/04/2015
36.		Skill Development	07/05/2015
37.		Cloud Computing and challenge	10/10/2014, 11/10/2014
38.		NS2 and QualNet simulation tools	27/08/2014, 28/08/2014
39.		Plagiarism in academic and copyrights	27/08/2014
40.		Market oriented cloud computing and big data applications	23/07/2014
41.		HACK TRACK	25/04/2014 to 27/04/2014
42.		ARM Controller and its applications	04/04/2014, 05/04/2014
43.		HTML and web development	16/02/2014

44.	ISE	A workshop on Java, J2EE and android	30/03/2016 & 31/03/2016
45.		Machine Learning	23/02/2016
46.		A Workshop on Photoshop and Corel Draw	27/01/2016 to 29/01/2016
47.		A Workshop on Python	20/10/2016 to 22/10/2016
48.		A Workshop on CISCO Packet Tracer	08/12/2014
49.		A Workshop on Computer Network Installation & Trouble Shooting	21/07/2015 & 22/07/2015
50.		A Workshop on Android- New Frontier in mobile computing	01/03/2014
51.		A Workshop on Unix system Programming	09/03/2014
52.		A Workshop on Hands on NS2	23/10/2013
53.		A Workshop on Object oriented program using C++	29/09/2013
54.		A Workshop on Qt GUI frame work	05/10/2013 & 06/10/2013
55.	EEE	Short Term Training Program on "Automatic Generation Control & Grid Integration of Renewable Energy sources"	30/01/2017 to 11/02/2017
56.		Short Term Training Program on "Electromechanical & Numerical Protection relay and PV sub systems"	30/01/2017 to 11/02/2017
57.		Short Term Training Program on "Embedded Systems leading to project development"	30/01/2017 to 11/02/2017
58.		4-days workshop on "Overview of PLC & Drives"	30/03/2016 to 02/04/2016
59.		6-days colloquium on "Research advances in power and energy Engg."	19/1/2016 to 23/1/2016
60.		3-days workshop on "Electrical control panel circuit"	29/10/2015 to 31/10/2015
61.		5-days workshop on "Advance system supportability on engineering technologies & tools"	27/07/2015 to 31/07/2015
62.		5-days workshop on "Introduction to MATLAB & its application"	03/03/2015 to 07/03/2015
63.		3-days workshop on PLC Automation	19/08/2014 to 21/08/2014
64.		3-days Colloquium on "Emerging trends in power systems and power electronics research"	20/02/2014 to 22/02/2014

65.		Advances in Renewable and power Engineering	25/7/2013 to 27/7/2013
66.		Graphical systems Design in Engg & Tech using NI'S Labview	23/7/2012 to 27/7/2012
67.		Recent trends in SCADA & energy management system	26/7/2011 to 30/7/2011
68.		Automotive infotronics report on faculty	27/1/2011 to 29/1/2011
69.		Development program on VLSI Design methodology	26/7/2010 to 30/7/2010
70.	ME	3D printing	16/03/2016
71.		Money Minded program	08/03/2016
72.		Auto Desk fusion 360	16/02/2016
73.		Innovation Technology	21/11/2015
74.		Design concepts in various domains in mechanical engineering	09/11/2015
75.		Money minded program (V SEM)	29/8/ 2015
76.		Money minded program (VIII SEM & M.Tech)	31/3/2015
77.		Engineering capacity enhancement program (VII SEM)	7/11/2014
78.		Hypermesh Tools (M.Tech 1st SEM)	7/11/2014
79.		Rapid prototyping technologies	29/3/2014
80.		Building remote controlled quadcopter	27/9/2013 to 28/9/2013
81.		Auto cad tools	18/09/2013
82.		NBA accreditation Process	29/02/16 to 04/03/16
83.		Industrial best Practices in Design Simulation Engineering	27/07/15 to 31/07/15
84.		Digital Manufacturing - A New Generation Technology	27/01/14 to 31/01/14
85.		Flexible Manufacturing System & Automation Process	29/07/13 to 01/08/13
86.		FE analysis tools and applications	25/07/2016 to 30/07/2016
87.		SDP on in-house technical staff training	23/01/2017 to 28/01/2017
88.		SDP on communication mechanics	25/07/2016 to 27/07/2016
89.		SDP on Communications skills & work ethics	10/03/2016 to 12/03/2016
90.	CV	Analysis and Design of structures using STAAD PRO V8i	30/01/2014 to 01/02/2014
91.		Advance surveying instruments	28/04/2014
92.		Autodesk Civil 3D and Revit Structures	14/12/2015 to 19/12/ 2015
93.		Design aspects and quality control of concrete mix in RMC plant	05/05/2015
94.		Career build Environmental sector	04/02/2015

95.		MATLAB for engineers	25/07/2016 to 30/07/2016
96.		Swacch bharath drive for solid waste management	23/09/2016
97.		Latest advancements in concrete technology	22/02/2017
98.	MBA	Setting Financial goals	19/02/2016
99.		Modalities of Project viva	16/05/2016
100.		Importance of Project dissertation for academic excellence	01/09/2016
101.		Ipad Starter kit for MBA Digital classes	06/10/2016
102.		Financial planning	18/08/2016
103.		Management practices in corporate world	25/10/2016 & 26/10/2016
104.		Corporate training on Advance Excel & VBA	07/11/2016 to 09/11/2016
105.		Financial Basics	15/02/2016
106.		Financial Budgeting	16/02/2016
107.		Financial Planning for Future	21/08/2015
108.		Insights of money management techniques	20/08/2015
109.		Investment Planning	19/08/2015
110.		Channel Marketing	16/02/2015
111.		Media Marketing	14/02/2015
112.		Basics of Stock Market	03/11/2014
113.		Financial Planning	04/11/2014
114.		To enhance study skills-Using Mind Power Study Techniques	04/06/2014
115.		Train Your Brain Organize your Mind for Smart Memory	21/05/2014
116.		Resume Writing	18/03/2014
117.		Selling & Negotiation Skills	02/02/2014 & 04/02/2014
118.		Financial Education for young Entrepreneurs	20/04/2013
119.		Industrial Motivation Campaign	22/04/2014
120.		Mind Mapping-2	19/01/2013
121.		Mind Power Study Techniques	03/01/2013
122.		Power of Positive Thinking	05/01/2013
123.		Improvement culture Building in Kaizen	03/10/2013, 04/10/2013
124.		Investment Science	31/03/2012
125.		Mind Power Study Techniques	21/01/2012
126.	Basic science	Teaching & Learning style analysis	10/03/2012
127.		Learn MATLAB in 2-Days	19/11/2012, 20/11/2012
128.		Latex and its Applications	24/07/2015, 25/07/2015

3.1.7 Provide details of prioritized research areas and the expertise available with the Institution.

The institution has well qualified Faculty experts in various domains. The prioritized research areas of the institution are listed below

Sl. No.	Faculty	Dept.	Research Area
1.	Dr. Nataraj K R	ECE	VLSI Design, Embedded Systems, Communication and Networking
2.	Dr. Mahendra Prashanth K V		Image Processing and Bio-Medical Engineering
3.	Dr. Rekha K R		VLSI Design, Embedded Systems, Communication
4.	Dr. Chandrappa D N		Signal and Image Processing, Embedded System
5.	Dr. Vijay Kumar T		VLSI and Image Processing
6.	Dr. K SomaShekar		Signal Processing
7.	Dr. Mallikarjuna Swamy S		VLSI Design and Communication
8.	Dr. Ravi kumar A V		Image Processing
9.	Dr. Mahantesh K		Image Processing, Signal Processing
10.	Dr. Komala M		Wireless Communication
11.	Dr. Krishna A N	CSE	Image Processing
12.	Dr. Srikantiah K C		Data Analytics, Data mining, Cloud Computing
13.	Dr. Naveena C		Pattern Recognition and Image Processing
14.	Dr. Amith Kumar		Bio-informatics
15.	Dr. Giridhar Krishna		Software Engineering
16.	Dr. Abhijith lele		Computer Networks
17.	Dr. Mohan H S	ISE	Network Security and Cryptography
18.	Dr. Ramakrishna M V		Wireless Sensor Network, Databases, Big Data, Parallel Processing
19.	Dr. Yogisha H K		Big Data
20.	Dr. Babu N V	EEE	Wireless Sensor Networks, Embedded systems
21.	Dr. Mamatha Mahesh Gowda		Motor drives & control

22.	Dr. J Satheesh	ME	Sheet metal forming and Theory of plasticity
23.	Dr. Kiran kumar P		Radiation curing of materials, Polymer composites and design of experiments
24.	Dr. H.K. Srinivas		Vibration analysis and fracture mechanics
25.	Dr. H.R. Vittala		Surface technology and advanced materials
26.	Dr. Sukant Roga		Thermal Engineering
27.	Dr. Puttaraju	CV	Geo-Technical Engineering
28.	Dr. M K Krishna		Environmental/Transportation
29.	Dr. S V Rajeeva		Structures
30.	Dr. Manjunath H N		Geology
31.	Dr. Padmaja Venugopal	Maths	Computational Astronomy
32.	Dr. Doreswamy B H	Physics	Solid state Physics
33.	Dr. Jnaneshwar D A		Magnetic materials
34.	Dr. Jaydev	Chemistry	Water pollution
35.	Dr. Banu Prakash G		Corrosion
36.	Dr. Buvaneswari P	MBA	Banking and Finance
37.	Dr. Mamatha J		Human Resource
38.	Dr. Padma S Rao		HR & Banking

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to Visit the campus and interact with teachers and students?

The Institution has made concerted efforts to attract researchers of eminence and academicians to visit the campus and interact with teachers and students through various means:

- Institution invites experts from various other institutions & industry to deliver guest lectures and tech-talks to update the students and faculty with latest cutting edge technologies.
- Institution has a clear cut policy for utilizing the expertise of the distinguished personalities of various technological fields in the interest of the learning community.
- Institution has created state of the art research laboratories to enable the outside researchers to pursue research activity.
- Institution and its faculty have a tremendous network of experts across the nation who anytime supports all the activities by their participation.

- Institution organizes various seminars, national & international conferences, training programs, workshops and etc. to which expertise of renowned scholars are utilized.

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

Faculty has a provision for availing specials leaves, OOD for Research work. These facilities have helped faculty members and research scholars to attend conference, workshops, data collection and all other activities related to their research.

Sabbatical leaves may be availed if the faculty is pursuing full time research work and the necessity arises for the research scholars.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/ advocating/ transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)

The awareness about the latest research available at Institution level is shared among the students and faculty. Faculty members have successfully published books on their research findings and filed patents, publications in top notch journals, invited as resource person for various workshops and guiding research scholars.

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

Sl. No.	Dept.	2012-13	2013-14	2014-15	2015-16
1	Central R & D	Rs. 731505	Rs. 2816951	Rs. 17202862	Rs. 2400000

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the Percentage of the faculty that has availed facility in the last four years?

Although faculties have not availed any seed money from the institution for their research works, the institution is positively looking at the proposal to introduce such facility in the near future.

3.2.3 What are the financial provisions made available to support student research projects by Students?

If student research projects are accepted for publications or demonstrations, the institution shall bear the financial implications arising of the same.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful Endeavors and challenges faced in organization inter disciplinary Research

SJB Research foundation, an independent registered body under the aegis of SJBIT is established to cater the research requirements of the institution. The foundation is setup with the principles of integrating all the domain specific knowledge under on common umbrella so that interdisciplinary research is possible. In the last four years, the foundation has successfully conducted various training Programmes to achieve these objectives.

Following are the List of training Programmes conducted:

Sl. No.	Name of the training programme	Beneficiary
1.	Industrial oriented training programme in automation technologies	ECE, EEE and ME
2.	Training to employees of BOSCH at CETRAT	BOSCH Employee
3.	Apple iOS development	ECE, CSE, ISE and EEE
4.	Industrial oriented training programme in automation technology at CETRAT	ECE and EEE
5.	National work shop on cyber security-2015 by IEEE idea council	Participants
6.	Faculty development programme on MLD-M kits	Faculties
7.	Industrial orientation training on overview on PLC, drives and controls	EEE

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

Institution prepares the documents detailing names of equipment, its specifications, it's possible uses, location and related interface as well as Library resources. This detailing is carried out for all equipment. The document is circulated to staff and students, so that they can plan their research activities. The time tables of labs are also notified to all. If required additional slots are provided. The major projects are divided in module and team leader is appointed to coordinate the project. Students are given free access to use all the central facilities and various labs across various Departments during and beyond working hours. The institution is having following research facilities.

Sl. No.	Name of the Equipment and Research facilities available	Beneficiary Faculty and students
1.	NI Lab View	ECE and EEE
2.	Bosch Rexroth	ECE, EEE & ME
3.	MATLAB	ECE, CSE, ISE, EEE & Civil
4.	Big data	CSE, ISE & MBA
5.	DNA forensics and Biomedical informatics center	ECE, CSE & ISE

3.2.6 Has the institution received any special grants or finances from the industry? Or other beneficiary agency for developing research facility? If yes give Details.

Yes,

Our institution has received grants from many organizations for creating research facility mainly to upgrade our facilities and also to purchase latest capital intensive equipment and the details about such major prestigious assignments are as follows:

Sl. No.	Project Title	Primary Investigator/ Designation with Dept.	Funding Agency	Amount	year
1.	Centre for Excellence in Design Development and Evaluation of Hybrid ICE electric four wheeler vehicle with Solar Energy Charging Scheme	Dr. Rekha K R/ Prof./ Dept. of ECE	KSTePS	30,00,000	2015-16
2.	Establishing the facility for VLSI and Embedded System Lab (Centre for Simulation Studies)	Dr. K R Nataraj/ Prof./ Dept. of ECE	VGST	20,00,000	2013-14
3.	Investigation of Hybridization of Motive Energy for Two Wheelers Using Solar Energy	Dr. K R Nataraj/ Prof./ Dept. of ECE	VTU	6,00,000	2012-13
4.	An approach towards development and analysis of aerial-guided navigation of a ground robot	Dr. Chandrappa D N/ Prof./ Dept. of ECE	VGST	40,000	2015-16
5.	A solution to remote detection of illegal electricity usage via power line communication	Chandrashekar M J/ Assoc. Prof./ Dept. of EEE	KSCST	5000	2012-13
6.	Extraction and analysis of EEG signals for the ADHD syndrome – A novel approach	Dr. Mahendra Prashanth K V / Prof./ Dept. of ECE	KSCST	5000	2015-16
7.	A unique medical data analysis platform using data mining techniques for armed forces personnel	Dr. K R Anand kumar / Prof./ Dept. of CSE	DRDO	14,24,000	2012-13
8.	An android application to address civic issue by helping citizens to get in touch with local authorities	Dr. Srikantiah K C / Prof. /Dept. of CSE	KSCST	3000	2015-16
9.	Design and Fabrication of Solar assisted refrigeration system	Madhusudan T / Assoc. Prof. / Dept. of ME	KSCST	8000	2014-15

10.	Study of different curing methods for fiber reinforced polymer composites	Shankara D R / Asst. Prof./ Dept. of ME	KSCST	6000	2015-16
11.	Design and fabrication of low cost food grain dis-infestation System	Dr. Kiran kumar P/ Prof./ Dept. of ME	KSCST	6000	2013-14
12.	Design and fabrication of IR food grain dis-infestation	Dr. Kiran kumar P/ Prof./ Dept. of ME	VGST	40,000	2014-15
13.	Custom made PID controlled IR dis-infestation system	Dr. Kiran kumar P/ Prof./ Dept. of ME	VGST	4,00,000	2014-15
14.	Studies on Decentralized Treatment for Vrushabhavathi Valley Waste Water	Dr. Krishna M K/ Professor/ Dept. of Civil	KSTePS	30,00,000	2015-16
15.	Solid waste management at SJBIT	Lakshmi C/ Assoc. prof./ Dept. of Civil	SJBIT R&D	25,000	2013-14
16.	Recycled Plastics Used as coarse aggregate for constructional concrete	Ramesh R L /Assoc. prof./ Dept. of Civil	KSCST	4,500	2014-15
17.	Performance evaluation of waste tyre and tube rubber as a partial replacement for Fine and Coarse aggregate in cement concrete	Dr. Nagaraj Sitaram/ prof./ Dept. of Civil	KSCST	5,500	2014-15
18.	Production and utilization of bio energy from flower waste by anaerobic decomposition process	Lakshmi C/ Assoc. prof./ Dept. of Civil	KSCST	4,000	2014-15
19.	Astronomical tables	Dr. Padmaja venugopal/ Prof./ Dept. of Mathematics	INSA	3,60,000	2015-16
20.	An automated human activity recognition in video surveillance system	Dr. Mahantesh K / Prof., Dept. of ECE	KSCST	6500	2016-17
21.	Design and fabrication of solar assisted food grain disinfection system	Dr. Kiran Kumar / prof./ Dept. of Mech.	KSCST	7000	2016-17

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide Details of ongoing and completed projects and grants received during the Last four years.

Institution has a firm policy towards research & development, by which it is aimed at achieving higher goals. Institution encourages faculty to establish the network with reputed industry and other organizations with a view of collaboration to procure sponsored research projects. Faculty are given free hand in communicating with the industry and other organizations and supported with appropriate work load and

responsibilities.

Nature of the project	Duration year from to	Title of the project	Name of the funding agency	Total Grant		Total Grant received till date
				Sanctioned	Received	
Minor project	2016-17	An Automated human activity recognition in video surveillance system	KSCST	6500	6500	6500
Major projects	2015-16	Centre for Excellence in Design Development and Evaluation of Hybrid ICE electric four wheeler vehicle with Solar Energy Charging Scheme	KSTePS	30,00,000	10,00,000	10,00,000
Major projects	2013-14	Establishing the facility for VLSI and Embedded System Lab (Centre for Simulation Studies)	VGST	20,00,000	20,00,000	20,00,000
Major projects	2012-13	Investigation of Hybridization of Motive Energy for Two Wheelers Using Solar Energy	VTU	6,00,000	6,00,000	6,00,000
Students Research projects	2015-16	An Approach towards development and analysis of aerial guided navigation of a ground robot	VGST	40,000	40,000	40,000
Minor projects	2015-16	Extraction and analysis of EEG signals for the ADHD syndrome – A novel approach	KSCST	5000	5000	5000
Major Projects	2015-16	Studies on Decentralized Treatment for Vrushabhavathi Valley Waste Water	KSTePS	30,00,000	10,00,000	10,00,000
Minor projects	2012-13	A solution to remote detection of illegal electricity usage via power line communication	KSCST	5000	5000	5000
Major Projects	2012-13	A unique medical data analysis platform using data mining techniques for armed forces personnel	DRDO	14,24,000	14,24,000	14,24,000
Minor projects	2015-16	An android application to address civic issue by helping citizens to get in touch with local authorities	KSCST	3000	3000	3000
Minor projects	2014-15	Design and Fabrication of Solar assisted refrigeration system	KSCST	8000	8000	8000

Minor projects	2015-16	Study of different curing methods for fiber reinforced polymer composites	KSCST	6000	6000	6000
Minor projects	2013-14	Design and fabrication of low cost food grain dis-infestation System	KSCST	6000	6000	6000
Minor projects	2014-15	Design and fabrication of IR food grain dis-infestation	VGST	40,000	40,000	40,000
Major Projects	2014-15	Custom made PID controlled IR dis-infestation system	VGST	4,00,000	4,00,000	4,00,000
Major Projects	2015-16	Studies on Decentralized Treatment for Vrushabhavathi Valley Waste Water	KSTePS	30,00,000	10,00,000	10,00,000
Minor projects	2013-14	Solid waste management at SJBIT	SJBIT R&D	25,000	10,000	10,000
Minor projects	2014-15	Recycled Plastics Used as coarse aggregate for constructional concrete	KSCST	4,500	4,500	4,500
Minor projects	2014-15	Performance evaluation of waste tyre and tube rubber as a partial replacement for Fine and Coarse aggregate in cement concrete	KSCST	5,500	5,500	5,500
Minor projects	2014-15	Production and utilization of bio energy from flower waste by anaerobic decomposition process	KSCST	4,000	4,000	4,000
Major Projects	2015-16	Astronomical tables	INSA	3,60,000	1,80,000	1,80,000

3.3 Research Facilities

3.3.1 What Research facilities available to the students and research scholars within the campus

- Institution has established VTU recognized R&D center in all the departments.
- High bandwidth internet connectivity and Wi-Fi facility is made available for the students and faculty
- The library provides access to E-journals, printed journals, reference material and thus supports the research work of students and faculty.
- Besides the above common facilities, Project laboratories and special/advanced equipment laboratories with appropriate software of individual departments helps the research activities to a greater extent.
- Institution has established research labs which are availed by the faculty and students.
- Each Department has project lab for students and research scholars.

3.3.2 What are the Institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

- The Institution has established separate Laboratory for research activities in each Department (R & D Cell). Computer with internet facility is provided to the research scholars and faculty members who are doing research.
- In order to facilitate the research activity the institution promotes faculty by encouraging them to carry out research in their interesting field.
- The Institution provides required funds to upgrade and create infrastructural facilities required for research.
- PG students are encouraged to undertake industry based problems for their dissertation work under the guidance of expert faculty.
- Invites proposals from faculties of the institution and ensures their timely submissions for external funding.

3.3.3 Has the Institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If 'yes', what are the instruments/facilities created during the last four years.

Yes,

The received grants from several organizations are mentioned below

Sl. No.	Dept.	Grant received from	Instruments / Facilities	Year
1.	CSE	DRDO	Modernization and removal of Obsolescence and up gradation of microprocessor lab to advance microprocessor lab	2012-13
2.	ECE	KSTePS	Upgrading the research lab	2015-16
3.	ECE	VGST	Establishing the facility for VLSI and Embedded System Lab (Centre for Simulation Studies)	2013-14
4.	Civil	KSTePS	Setting up of Structures Lab	2015-16
5.	ME	VGST	Upgrading the research lab	2014-15

3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

- Institution encourages students and research scholars to visit specialized laboratories setup at external industries and Institutions.
- Holds institutional membership of various professional bodies such as ISTE, IEEE, CSI, IEI, IIPE, IAENG and ICI.
- The institution has signed MOU with Emc^2, Arm Processor, FOSSEE, IIT Bombay, Nihon Communication Solutions Pvt.Ltd, BGS Hospital, Vinayaka Network Gurukula, Ethnotech, Spaneos Software Solutions Pvt.Ltd and Mahatma Gandhi Institute for Rural Energy Development.

3.3.5 Provide details on the library/information resource Centre or any other facilities available specifically for the researchers?

- Institution provides E-resources facility through which the researchers can access reputed journals from IEEE, Science direct, and Springer etc.
- The college library has extensive collection of reference books for researchers.
- The institution is coordinating IEEE Student Chapter, USA and ACM Student Chapter, USA.
- In addition to the central library, every department has a departmental library, all of which are well stocked with books and journals on state of the art technologies and new frontiers of research.

3.3.6 What are the collaborative researches facilities developed / created by the research Institutions in the Institution? For ex. Laboratories, library, instruments, computers, new technology etc.

Institution established the following collaborative research facilities in the campus.

Sl. No.	Name of the Laboratory
1.	National Instrument Lab
2.	Center of Excellence for Training and Research in Automation Technologies (CETRAT) by Rexroth-Bosch.
3.	Big data Lab.
4.	Apple i-MAC Lab.
5.	M/s. Bio Axis DNA Research Centre Pvt, Ltd.
6.	M/s. Texas Instruments Pvt. Ltd.
7.	M/s. CISCO Pvt. Ltd.
8.	M/s. ORACLE Pvt. Ltd.
9.	M/s. University of Agricultural Sciences, GKVK

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the College through the following:

- **Patents obtained and filed (process and product)**

  Four patents filed

- **Original research contributing to product improvement**

  NIL

- **Research studies or surveys benefiting the community or improving the services**

  An investigative research entitled “An android application to address civic issue by helping citizens to get in touch with local authorities” is under taken by Computer science and Engineering Department.

- **Research inputs contributing to new initiatives and social development**

A major research entitled "Studies on Decentralized Treatment for Vrushabhavathi Valley Waste Water" is under process by Civil engineering Department

3.4.2 Does the College publish research journal (s)? If yes, indicate the composition of the editorial board, publication policies and whether it is listed in international database?

No,

3.4.3 Give details of publications by the faculty and Student

Sl. No.	Staff Name	Total Journals/ Conference	International DB	Monograph	Citation Index	I-factor	h-index
ECE							
1.	Dr. Nataraj K R	25	15	-	53	2.5	1
2.	Dr. Rekha K R	20	10	-	27	2.5	3
3.	Dr. Mahendra Prashanth	30	20	-	59	2.0	2
4.	Dr. D N Chandrappa	15	10	-	42	1	4
5.	Dr. Vijay Kumar T	8	5	-	-	1.5	-
6.	Dr. K Somashekar	10	10	-	29	1	3
7.	Dr. Mallikarjuna Swamy	12	1	-	-	-	-
8.	Dr. Ravi Kumar A V	9	8	-	11	1.2	2
9.	Dr. Mahantesh K	14	14		8	-	3
10.	Dr. Komala M	8	4	-	-	-	-
11.	Mrs. Hamsaveni N	4	-	-	-	-	-
12.	Mrs. Shilpa K Gowda	5	-	-	-	-	-
13.	Mrs. Chethana R	4	-	-	-	-	-
14.	Mr. Bhaskar B	4	5	-	8	1.2	2
15.	Mrs. Geetha G P	3	-	-	-	-	-
16.	Mrs. Latha S	3	-	-	-	-	-
17.	Mrs. Nithya S	2	-	-	-	-	-
18.	Mrs. Anitha P	3	3	-	-	-	-
19.	Mr. Supreeth HSG	2	-	-	-	-	-
20.	Mrs. Rekha S	1	-	-	-	-	-
21.	Mrs. Divyashree Y V	1	-	-	-	-	-
22.	Mrs. Roopa K Swamy	1	-	-	-	-	-
23.	Mrs. Uma S	3	-	-	-	-	-
24.	Mr. Sandesh Kumar	3	-	-	-	-	-
CSE							
25.	Dr. Krishna A. N	16	3	-	-	-	-
26.	Dr. Abijit Lele	18	-	-	-	-	-
27.	Dr. Giridhar Krishna	4	-	-	-	-	-

28.	Dr. Srikantaiah. K. C	21	6	1	18	1.23	3
29.	Dr Naveena .C	21	1	-	-	-	-
30.	Dr. Amit Kumar	46	-	-	-	-	-
31.	Nirmala .H	9	1	-	-	-	-
32.	Roopa M.J	6	1	-	-	-	-
33.	Rekha .V	4	2	-	-	-	-
34.	Pavithra G.S	2	1	-	-	-	-
35.	Bindiya M.K	4	2	-	-	-	-
36.	Dhananjaya. M	2	1	-	-	-	-
37.	Shantha Kumar .H.C	3	1	-	-	-	-
38.	Sunitha .K	3	1	-	-	-	-
39.	Ajay B N	2	-	-	-	-	-
40.	Umashankar M.L	9	1	-	-	-	-
41.	Chaitra H.K	5	1	-	-	-	-
42.	Ajay Prakash B.V	25	1	-	-	-	-
43.	Divyashree .J	2	1	-	-	-	-
44.	Chandan K.N	1	1	-	-	-	-
45.	Kala Chandrashekar	3	1	-	-	-	-
46.	Archana R.A	11	1	-	-	-	-
47.	Chaitra.M	6	1	-	-	-	-
48.	Shubha.T.V	1	1	-	-	-	-
49.	Vinuta A Patil	2	1	-	-	-	-
50.	Mohan Kumar.K.N	2	1	-	-	-	-
51.	Prakruthi.M.K	3	1	-	-	-	-
52.	Deepak B L	1	1	-	-	-	-
53.	Yashonidhi Yajaman	1	-	-	-	-	-
54.	Charulata	2	1	-	-	-	-
55.	Manasa B S	1	-	-	-	-	-
56.	Manjula H S	2	-	-	-	-	-
57.	Lochan Gowda M	1	-	-	-	-	-
58.	Madhu. N	1	1	-	-	-	-
59.	Srinidhi. K S	1	1	-	-	-	-
60.	Basamma Patil	4	1	-	-	-	-
ISE							
61.	Dr. Mohan H S	24	16	-	19	2.77	-
62.	Dr. Ramakrishna M V	05	-	-	-	-	-
63.	Dr. Yogisha H K	35	11	-	22	4.2	1
64.	Mrs. Rekha B	18	05	-	1	4.3	-
65.	Mrs. Poornima M	11	02	-	-	-	-
66.	Mrs. Manjula G	08	05	-	-	2.3	-
67.	Mr. Murali G	09	04	-	-	2.6	9
68.	Mr. Abhilash C N	08	06	-	-	5.33	-
69.	Mr. Rajesh L	03	02	-	-	-	-
70.	Mrs. Kameswari K	11	04	-	-	2.02	-
71.	Mrs. Ramya B K	06	03	-	-	5.336	-
72.	Mrs. Pavitra bai S	03	02	-	-	-	-
73.	Mrs. Yamuna U	04	02	-	-	1.49	-
74.	Mr. Kiran kumar V	10	06	-	Nil	4.6	Nil

75.	Mr. Chetan R	07	07	-	14	5.8	Nil
76.	Mrs. Rohini T V	06	05	-	-	5.8	-
77.	Mr. Aravinda C V	15	08	-	4	3.2	Nil
78.	Mrs. Shilpa K R	01	-	-	-	-	-
79.	Mr. Umesh M	10	05	-	Nil	6.5	-
80.	Mr. Ranjith J	10	07	-	Nil	6.5	-
81.	Mrs. Supriya B N	02	01	-	-	-	-
82.	Mrs. Sridevi G M	03	03	-	-	2.3	-
83.	Mr. Vinodh H C	02	02	-	-	-	-
84.	Mr. Uday Shankar S V	02	01	-	-	-	-
85.	Mr. Santhrupth B C	01	-	-	-	-	-
86.	Mrs. Aswini K	01	-	-	-	-	-
87.	Mr. Darshan	05	05	-	-	1.4	-
88.	Mr. Manu	03	01	-	-	-	-
89.	Mr. Nithin	03	01	-	-	-	-
EEE							
90.	Dr. Babu N. V	10	07	-	11	-	2
91.	Dr. Mamatha Mahesh Gowda	04	04	-	5	-	1
92.	Mrs. Lalithamma G.A.	04	04	-	-	5.016	-
93.	Mr. Chandrashekar M J	05	05	-	4	3.2, .652, 5.62	1
94.	Mrs. Rekha P S	05	01	-	-	5.016	-
95.	Mr. Sandeep S R	05	04	-	-	5.016	-
96.	Mr. Dwarakanath S K	06	03	-	-	5.016	-
97.	Mrs. Hemalatha B K	04	03	-	-	5.016	-
98.	Mrs. Prarthana J V	05	-	-	-	-	-
99.	Mr. Sridhar J P	04	04	-	-	3.5	-
100.	Mr. Vijay Kumar K	02	02	-	-	5.016	-
ME							
101.	Prof. T Madhusudhan	33	-	-	1	-	1
102.	Dr. J. Satheesh	17	4	-	32	-	3
103.	Dr. Kiran kumar P	16	4	-	21	-	2
104.	Dr. H K Srinivas	20	6	-	28	-	3
105.	Dr. H R Vittala	12	5	-	03	-	1
106.	Dr. Sukanta Roga	22	-	-	-	-	-
107.	Mr. Anil Kumar G	11	-	-	-	-	-
108.	Mr. Gangadhar T G	03	-	-	-	-	-
109.	Mrs. Girija V	01	-	-	-	-	-
110.	Mr. Shankara D R	06	-	-	-	-	-
111.	Mr. Manjunath G A	13	-	-	-	-	-
112.	Mr. Uday M	08	-	-	-	-	-
113.	Mr. Gowtham K	02	-	-	-	-	-
114.	Mr. Ravi Kumbar	03	-	-	-	-	-
115.	Mrs. Vani Shree T S	01	-	-	-	-	-
116.	Mr. Abhijeet Gowda	02	-	-	-	-	-
117.	Mr. Sanjay B S	01	-	-	-	-	-
118.	Mr. Harisha M S	03	-	-	-	-	-
119.	Mr. Manjunath nayak H R	01	-	-	-	-	-
120.	Mr. Prapul Chandra	01	-	-	-	-	-
121.	Mr. Thirumala S V	10	-	-	-	-	-
122.	Mr. Dileep Kumar D J	01	-	-	-	-	-
123.	Mr. Bhanu Prakash M	01	-	-	-	-	-
124.	Mr. Sachin D	01	-	-	-	-	-
125.	Mr. Yashvanth Kumar	01	-	-	-	-	-

CV							
126.	Dr. Puttaraju	2	-	-	-	-	-
127.	Dr. M K Krishna	6	6	-	-	1.7-1.89	1
128.	Dr. Rajeeva S.V	1	1	-	-	-	-
129.	Mrs. Lakshmi C	2	2	-	-	-	-
130.	Spandana B	1	-	-	-	-	-
MBA							
131.	Mrs. Pushpalatha.V	24	03	-	-	01	-
132.	Dr. Buvaneswari.P.	12	02	-	-	01	-
133.	Dr. Padma S Rao	17	05	-	-	04	-
134.	Dr. Mamatha J	19	05	-	-	02	-
135.	Mr. Santhosh M	16	02	-	-	02	-
136.	Mr. Bharath T S	04	01	-	-	03	-
137.	Mr. Ragavendra K A	04	01	-	-	01	-
138.	Mrs. Roopa Balavenu	11	02	-	-	01	-
139.	Mr. Chethan Shetty	09	01	-	-	01	-
140.	Ms. Girivasuki.K	15	09	-	-	04	-
141.	Mrs. Roopa Karnam	07	02	-	-	-	-
142.	Mrs. Anjana Devi S C	03	01	-	-	-	-
143.	Mrs. Roopa Temkar	15	02	-	-	3	-
144.	Mrs. Lakshmi M	02	-	-	-	-	-
145.	Miss. Krupa	03	01	-	-	-	-
Department of Physics							
146.	Dr. B H Doreswamy	08	-	-	142	0.729	5
147.	Dr. D M. Jnaneshwara	09	-	-	57	1.2	4
148.	Mr. Shamanth kumar	04	-	-	19	1	3
149.	Ms. D L Monika	07	-	-	33	2.42	3
Department of Chemistry							
150.	Dr. Jaydev	03	03	2	-	1	-
151.	Dr. Bhanuprakash	03	02	1	-	-	1
Department of Mathematics							
152.	Dr. Padmaja Venugopal	11	11	-	-	-	-
153.	Mrs. Poornima M	02	02	-	-	1.64	-
154.	Mr. Balachandra P	03	03	-	-	7.1	-
155.	Mr. Varun V L	03	-	-	-	1.71	-

3.4.4 Provide details (if any) of

- **Research awards received by the faculty**

Sl. No.	Faculty Name	Awards/Recognitions
1.	Dr. Nataraj K R	• Vidya Ratan Award by The Economic for Health & Educational Growth • Best Citizen of India

2.	Dr. K V Mahendra Prashanth	• Shikshana Shilpi award from karnataka gnana vignana samithi • Third place at National level project at Dr. AIT Techno project Exhibition-2016 • Best Project at National Project Exhibition held at MSEC, Bengaluru-2012 • Best Project award at JVT Mela 2016 • Best top two Papers publication
3.	Dr. Chandrappa D N	Best Project award at JVT Mela 2016
4.	Dr. Kiran Kumar P	Young Scientist "VGST"
5.	Prof. T Madhusudhan	National achievement award for education excellence by All India Business & Community Foundation
6.	Dr. Srikantaiah K C	Best Paper Presentation Award ICIP 2011, Marquis Who is Who in the World 2014, 2015, 2016
7.	Prof. Pushpalatha. V	QCFI CCQC – 2014 Gold Award for "Designing & Implementing an Unique Innovative Education Model for enhancing students employability skills" Awarded by Quality Circle Forum of India.
8.	Mr. Santhosh. M	Won Best Paper Award at National Conference, paper entitled on "An Empirical Study on Sales Promotion as a Strategic Promotional Tool" conducted at JSS Academy of Technical Education on 4th& 5th July, 2013.
9.	Mr. Chethan Shetty	Best paper Award at National Level Conference paper entitled on "A Study on Evaluation of Stock Market Volatility During The Pre & Post Period Of Future & Option" held at K S School of Engineering & Management on 6th May, 2016,

- **Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally**

  Nil

- **Incentives given to faculty for receiving state, national and international recognitions for research contributions**

  Nil

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing Institution industry interface?

- Institution has a strong liaison with the Industry. An Institution – Industry interaction cell is established. It meets regularly to enhance the industry participation in the academics. Following are the areas of Interaction with Industry.

- Industry experts are involved in curriculum development.
- They are also invited as resource persons and evaluators for faculty and students programs.
- Institution plans visits of faculty and students to industry and interact.
- Faculty and Students are involved in industry sponsored projects.
- Required infrastructure will be supported by the institution to the industries for establishing the centers of excellence.
- Win-to-win development model is provided for the industries to encourage them to establish the set up with us, so that the student community is benefitted by and largely.

Objective of Industry Interaction Cell:

- Keep liaising with R & D organization and industry for knowledge sharing.
- To bridge gap between Institution and industry.
- Faculty exchange with industry
- To arrange expert lecturers of eminent personalities.
- To enhance inherent skill of faculty by arranging visits to industry.
- To develop the skill to make the student place able.
- Knowledge sharing.
- To get acquainted with practical or real word problems.
- To get acquainted with industry requirement, process, managerial skill.
- To take review of curriculum and suggest the industrial supplementary contact as per need of industry and state of art.

3.5.2 What is the stated policy of the Institution to promote consultancy? How is the available expertise advocated and publicized

- Identifying the domain of expertise in the departments.
- Developing the interdisciplinary expertise.
- To develop possible programs in which consultancy can be rendered.
- Identifying the needy industries and Institutions.
- Approaching the needy through positive propaganda and keeping a good rapport with them.
- Promoting solution based approach.
- Standardizing fund generation and utilization policies.
- Promoting target based work culture.
- Faculty expertise, research/consultancy facilities information are displayed in the Institution website.
- Faculties are allowed to participate in the range of workshops/ trainings/ conferences/ discussions and etc. such that the faculty gets exposure to their talents.
- Faculties are given a free hand and encouragement to establish the network with the outside world of their interest and a possible support for achieving the potential goals.

3.5.3 How does the Institution encourage the staff to utilize their expertise and available facilities for consultancy service?

- The research committee of the Institution and Heads of Departments first identify the area expertise of the faculty. If required, Institution deputes the staff for skill development programs.
- Institution organizes the programs on product development, design and research methodology which encourage the staff for consultancy. Institution provides facilities and seed money to carry out the consultancy.
- Faculties are given a free hand and encouragement to establish the network with the outside world of their interest and a possible support for achieving the potential goals.
- Faculties are allotted with appropriate workloads to enable themselves to devote for consultancy activities.

3.5.4 List the broad areas and major consultancy services provided by the Institution and the revenue generated during the last four years.

Sl. No.	Organization	Year	Total Amount of Revenue In Rs.
ECE			
1	CETRAT	2016-17	3,94,500
		2015-16	5,37,500
		2014-15	5,98,750
2	NI Lab view	2016-17	1,50,000
		2015-16	2,30,582
		2014-15	1,00,500
		2013-14	60,000
3	Microsoft certification course	2014-15	1,95,000
CV			
1.	Geo-Structural Engineering	2015-16	6,000
2.	KSPHC, Mysore		29,500
3.	KSPHC, Mysore	2014-15	20,250
4.	KSPHC, Mysore		22,500
5.	Pramod Builders and Developers		5,000
6.	Purushotham Civil Contractor		9,000
7.	Sukee Enterprises	2013-14	4,000
8.	Dinesh Class one Contractor		4,000
9.	Geo Metage Consultancy		27,000
10.	KSPHC, Kodugu		1,35,000
11.	KSPHC, Hassan		3,19,500
12.	Dhatri Construction	2012-13	1000
13.	KSPHC, Mysore		1,15,000
14.	KSPHC, Mysore		47,500
15.	KSPHC, Mysore		1,35,500

16.	KSPHC, Mysore		1,26,000
17.	KSPHC, Mysore		16,300
18.	PEC, Hubballi		9,000
19.	Civil Tech		1,000

3.5.5 What is the policy of the Institution in sharing the income generated through consultancy (staff involved: Institution) and its use for Institutional development?

The policy of the Institution in sharing the income generated through consultancy is 60:40 basis (staff involved: Institution). There by Sixty percentage (60 %) of the total charges received from the company for the consultancy work will be disbursed to the faculty who are executing the consultancy work.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution promote institution-neighborhood- community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

The college encourages the faculty and students to initiate, participate and implement the Programmes which contribute to societal awareness for various issues. NSS units of the institute regularly conduct camps in the nearby villages in order to create an Insight into the societal needs in the minds of the students. This motivates the students to participate in social outreach Programmes which would benefit children in nearby villages.

It is mandatory for every department involving the students to conduct at least two social responsibility programs every year, thereby at least sixteen such programs every year.

A few of such programme conducted includes

- Awareness on Eradication of Child Labour.
- Educating people on Health and Hygiene issues.
- Conducting Computer Literacy Programmes.
- Celebrating International Literacy day.
- Celebrating Sadbhavana Dina.
- Celebrating Independence day and other national festivals
- Sapling Plantation Programmes.
- Visiting old age homes, orphanages and specially abled homes to conduct various activities to uplift the spirit of the deprived people.
- Visiting Blind School and helping them financially.
- Visited Religious Mutts and donated amount for the “Anna Dasoha Program" to provide food for the needy people.

3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

- Students submit certificates and attendance of participation in social activities to Institution.
- Proctors collects information from the concerned students.
- Institution tracks the articles of students published in newspapers.
- It is encouraged by various means such that every student is getting involved in at least one such forum.
- Student clubs have been formed to encourage the students to participate in a team with an objective of developing the inter-personal relationship to motivate them to involve in social responsibility activities.
- Every forum has Coordinators and team members who monitors the student involvement during the activities and encourage them to do so. They create avenues for the students to exhibit their understanding and ideas to be displayed.

3.6.3 How does the Institution solicit stakeholder perception on the overall performance and quality of the Institution?

The stake holders are invited to visit the campus for Alumni meets where they interact with the members of faculty to obtain necessary information on the overall performance and quality of Institution.

Parent-Teachers meeting are regularly being conducted to know about academic performance and quality of their wards and to provide constructive suggestions to improve the overall performance and quality of their wards and quality of Institution. Periodically performance reports are being sent to the stake holders through SMS, e-mails, web publication and also through hard copies.

- Institution Industry cell gives feedback and suggestions for performance improvement.
- Alumni are invited to visit the Institution and participate in academic processes.
- Management and Local Management Committee, faculty and supporting staff of the Institution interacts with all the stake holders and seeks their suggestions and contribution.
- Institution considers all stake holders feedback while planning the activities.

3.6.4 How does the Institution plan and organize its extension and outreach programs? Providing the budgetary details for last four years, list the major extension and outreach programs and their impact on the overall development of students.

As our institution is an affiliated college of VTU, the institution is not entitled to offer any degree or diplomas or outreach programmes. Considering the dynamic changes in industry and its expectations, the institution is training the students on various skill sets such as aptitude skills, communication skills, analytical skills and interpersonal skills through dedicated HRD department.

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

The institution performs various activities under the aegis of NSS unit of the institution and community service clubs of the departments. The institution has developed such an environment in the campus that every student is motivated to participate in the extension activities. The students are also given with appreciation certificate. The NSS units conduct the following activities:

- Organizing NSS camps semester wise.
- Blood donation camps.
- Cleanliness drives.
- Books and cloth donation to under privileged students.
- Health checkup camps.
- Afforestation Programmes.
- Conducting rallies to create awareness on social issues.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

- Institution under its community service initiatives has adopted various measures to extend its helping hand to the poor and needy in its neighborhood.
- Institution provides free ship and scholarship for economically underprivileged students.
- Institution provides free accommodation to students from weaker section of the society at trust run hostels.
- Institution provides notebooks to underprivileged students for their studies

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

Academics and extension activities go hand in hand. The primary aim and objectives of the extension activities are to create a sense of humility amongst the students. These activities have brought a significant change in the behavioral approach of the students. The outcome of these activities are summarized as under

- Enhanced leadership qualities in the students.
- Spirit of discipline, dedication, determination and patriotism among students.
- Sensitizing the girls to the needs of under-privileged strata of society.
- Achieving empowerment based education.
- To develop team spirit and entrepreneurial qualities in the students.
- Positive outcomes of the extension activities can be easily seen in the excellence which our students have exhibited at academic, professional and cultural fronts.
- They become better human beings and responsible citizens of India.

- They become professionally ethical and moral. They volunteer in solving the problem faced by the society and thus fighting for their upliftment.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

NSS unit of the institution identify underprivileged villages in the neighborhood and collaborate with the villagers to provide essential services such as sanitation, safe drinking water, creating awareness about health and social issues through theatre skills. Institution conducts job fairs to benefit the student community.

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

NIL

3.6.10 Give details of awards received by the institution for extension activities and / contributions to the social / community development during the last four years.

- Winner of National Employability Award-2013 and 2014.
- The institution has been honored as "Excellent Training & Placements Institute in Karnataka" by VTU, AICTE, CMAI, AIU, Govt. of India MNRE / MSME, NELIT, DeITy, NIXI, AIMS, EI at Visvesvaraya Technical University, Auditorium, VTU Regional office, Bangalore on 9th August 2014.
- Certified as “Trusted academic partner” by Wipro technology.
- Accredited by TATA consultancy services.

3.7 COLLABORATION

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

Sl. No.	Name of the Research Laboratories	Nature of collaboration
1.	NI Lab View	Student Research projects
2.	Bosch Rexroth	Staff exchange, Student Research projects
3.	MATLAB 7.1	Staff and Student Research projects
4.	Big data Lab of IBM	Market analytics and data mining projects
5.	DNA forensics and Biomedical informatics center	Medical data analysis of medical college

3.7.2 Provide details on the MOUs/collaborative arrangements (if any) with institutions of national importance/other universities/ industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

Sl. No.	Name of the Organization	Nature of contribution
1.	CISCO	Configuring the network operating system, Learn the aspects of network protocols and communication.
2.	Bosch Rexroth India Limited	Promoting active industry educational institution training process
3.	Goshakthi Renewable Energies (GRE)	Imparts training to students and faculty.
4.	National Design and Research Forum (NDRF)	Projects for PG and Research scholars
5.	Software Development Private limited (SSDI)	Provides collaboration for Healthcare and wellness, e-education etc.,
6.	NI LabView	Training activities related to user education and training in areas mutually agreed to by and NI. Initially the ACADEMY will begin activities in the area of user training in LabVIEW.
7.	Oracle	Configuring the Oracle software and to development tools, understand the characteristics of OLTP and data warehouse design and schemes.
8.	Spaneous	Providing technical support and placement assistance to students
9.	Certiport	Providing technical support and placement assistance to students
10.	Google India	Providing technical support and placement assistance to students
11.	IIT Bombay, MHRD, Govt. of India	Providing technical support and placement assistance to students
12.	Classle-BITES	Providing technical support and placement assistance to students
13.	DRDO	Providing technical support and placement assistance to students
14.	EMC^2	Providing technical support and placement assistance to students
15.	BGS Hospitals	Providing Medical Data Base
16.	Adarsh Control Systems Pvt Ltd,	Providing technical support and placement assistance to students
17.	Karthik Roofings Pvt Ltd,	Provides technical support
18.	Bill Forge Private Pvt Ltd	Providing technical support and placement assistance to students
19.	Apex auto Ltd	Providing technical support and placement assistance to students
20.	Swamy design solution	Training facilities and placement assistance for students
21.	Medini	Training facilities for students and Faculties
22.	MSME	Providing technical and financial assistance to

		startups
23.	Creative infotech	Apple i-Pad, i-Mac and IOS development
24.	MGIRED	Providing skill development activities on renewable energy resources
25.	NIIT	Providing training on advance excel

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.

- CETRAT, NI Lab view, CISCO and Apple Technologies have setup Laboratories in the institution to promote research and development activities.
- VTU e-Learning EDUSAT based learning systems.
- Pariniti Edu sevices and Zest tech global pvt. Ltd are engaged in providing placement and HRD training to UG and PG students.

3.7.4 Highlight the names of eminent scientists/ participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Sl. No.	Name of Conference	Date and month
	ECE	
1.	National Conference on recent trends in electronics and communication Engineering(NCRTEC-13)	4th May 2013
2.	National Conference on recent trends in electronics and communication Engineering(NCRTEC-14)	9th May 2014
3.	National Conference on recent trends in electronics and communication Engineering(NCRTEC-15)	10th May 2015
4.	International Conference on Energy Technology on Internet of Things	29th to 30th Mar 2016
5.	International Conference on Recent Advances in Electronics & Communication Technology	16th to 17th March 2017
	EEE	
6.	National Conference On Advance Techniques in Electrical & Electronics Engg.-NCATEE-13	4th May 2013
7.	National Conference On Advance Techniques in Electrical & Electronics Engg.-NCATEE-14	9th May 2014
8.	National Conference On Advance Techniques in Electrical & Electronics Engg.-NCATEE-15	10th May 2015
9.	National Conference On Advance Techniques in Electrical & Electronics Engg.-NCATEE-16	7th May 2016
	CSE	
10.	National Conference on "Recent trends in Computer Science and Engineering"(NCRTCSE-13)	4th May 2013
11.	National Conference on "Recent trends in Computer Science and Engineering"(NCRTCSE-14)	9th May 2014
12.	National Conference on "Recent trends in Computer Science and Engineering"(NCRTCSE-15)	10th May 2015
13.	National Conference on "Recent trends in Computer Science and Engineering"(NCRTCSE-16)	7th May 2016

ISE		
14.	National Conference On Advance Techniques in Information Technology.-NCAIT-13	4th May 2013
15.	National Conference On Advance Techniques in Information Technology.-NCAIT-14	9th May 2014
16.	National Conference On Advance Techniques in Information Technology.-NCAIT-15	10th May 2015
17.	International conference on applied theoretical communication technology- iCATccT-2016	21th , 22nd and 23rd July 2016
ME		
18.	National Conference on "Tropical transcend in mechanical technology"(TTMT-13)	4th May 2013
19.	National Conference on "Tropical transcend in mechanical technology"(TTMT-14)	9th May 2014
20.	National Conference on "Tropical transcend in mechanical technology"(TTMT-15)	10th May 2015
21.	National Conference on "Tropical transcend in mechanical technology"(TTMT-16)	7th May 2016
CV		
22.	National Conference on "Futuristic technology in civil engineering for sustainable Development" (NCFTCES-13)	4th May 2013
23.	National Conference on "Futuristic technology in civil engineering for sustainable Development" (NCFTCES-14)	9th May 2014
24.	National Conference on "Futuristic technology in civil engineering for sustainable Development" (NCFTCES-15)	10th May 2015
25.	National Conference on "Futuristic technology in civil engineering for sustainable Development" (NCFTCES-16)	7th May 2016
MBA		
26.	SAMVIT-13	31st Dec 2012
27.	SAMVIT-14	29th Oct 2013
28.	SAMVIT-15	6th Nov 2014
29.	SAMVIT-16	6th Nov 2016

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated -

- **Curriculum development/enrichment**

  Interaction with the industry personnel's is maintained by the Institution towards understanding of their needs and the shortfalls they realize in the current program curriculum. Meetings with different organizational representatives were conducted for getting inputs for revision of syllabi.

- **Internship/On-the-job training**

  Proper contacts with industries and organizations are maintained to ensure implant training and internship opportunities to the students of the various programs.

- **Summer placement**

  Students are facilitated by providing the summer training in various

organizations. Similarly students have been deputed for summer placements in related fields.

- **Faculty exchange and professional development.**

  Faculty from the Institution are invited for expert lectures and training in various academic and industrial Institutions.

- **Publications**

  Faculty of our Institution is actively engaged in publishing technical and/or social articles on various topics of awareness in the leading papers and magazines.

- **Student Placement**

  Institution has maintained placement relationships with renowned industries for the placement of their graduates.

  SJBIT endow with additional Industrial training in research laboratory equipping students handling live projects to enhance their employability and become productive from the day one to their employers. Main association ship SJBIT has with industries and universities are

➢M/s. Bosch Rexroth India Ltd. ➢M/s. Tata Consultancy Services Ltd. ➢M/s. Sharp Software Development Ltd. ➢M/s. Microsoft Corporation (India) pvt. Ltd. ➢M/s. National Instruments (India) pvt. Ltd. ➢M/s. Power Research & Development Consultant's pvt. Ltd. Etc., ➢M/s. Bio Axis DNA Research Centre Pvt, Ltd. ➢M/s. Hire Craft software pvt. Ltd. ➢M/s. MSME Development Institute. ➢M/s. University of Agricultural Sciences, GKVK. ➢M/s. Meizu Technology Company, China. ➢M/s. Texas Instruments Pvt. Ltd. ➢M/s. Global Edge Software.	➢M/s. CISCO Pvt. Ltd. ➢M/s. Infosys ➢M/s. HCL. ➢M/s. Cognizant ➢M/s. L&T infotech. ➢M/s. Ethnotech Pvt. Ltd. ➢M/s. ORACLE Pvt. Ltd. ➢M/s. Apple. ➢M/s. Intel. ➢M/s. Wipro Technologies ➢M/s. MGIRED

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations.

The Institution has established following cells for development of industry linkages and collaborations.

- Research and Development Cell.
- Entrepreneurship Development Cell.
- Industry Institution Partnership Cell.
- PG students are engaged in research activities.

CRITERION IV

4 INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitates effective teaching and learning?

The Organization has a positive approach towards creation and enhancement of Infrastructure of the institution. Institution interacts frequently with all stakeholders for taking continuous feedback and is routinely updated according to the prerequisites. Necessary budget is allocated for creation, enhancement and up gradation of infrastructure. The funds obtained from other agencies have been well utilized for expansion of infrastructure, and other developmental activities.

- The objective of the Institution is overall development of the student.
- Institution believes in providing every single opportunity to the student which fosters them into a complete professional graduate.
- Institution aims and works towards providing the state of the art facilities to foster the overall development of the student.

4.1.2 Detail the facilities available for a. Curricular and co-curricular activities classrooms; technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

a. Curricular activities

Dept.	Class Rooms	Laboratories	Research Center	Seminar Hall	Tutorial Hall	No. of Staff Cubicles (Including HOD)	Total Dept. Carpet Area (Sq. M)
CSE	11	14	01	01	01	18	**2641.06**
ECE	11	09	03	01	03	14	**2500.00**
ISE	07	10	00	01	01	15	**1926.00**
EEE	03	06	00	01	00	11	**1735.06**
MECH	10	16	01	01	02	27	**4827.00**
CIVIL	10	07	00	01	01	03	**3950.00**
Maths	10	00	00	00	00	05	**80.00**
Chemistry	00	02	00	00	00	02	**270.00**
Physics	00	02	01	00	00	02	**277.03**

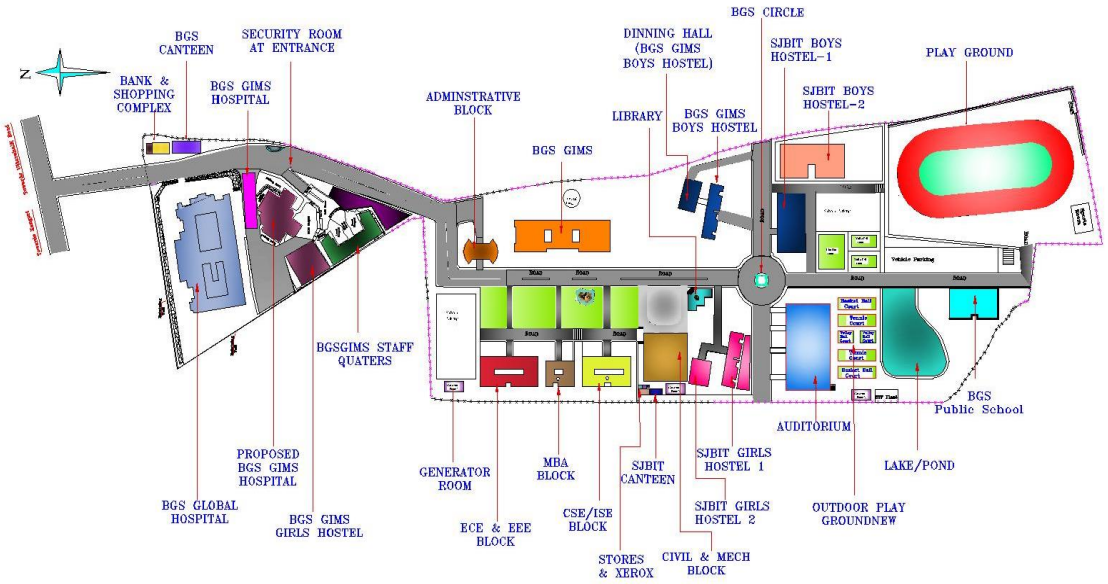
MBA	05	01	00	01	02	08	**2247.68**
R&D	00	06	00	00	00	14	**870.00**
HRD	11	04	00	01	00	04	**1100.00**
Admin Office	00	00	00	00	00	00	**942.00**
Library	00	00	00	01	00	02	**3157.50**
Hostel	00	00	00	00	00	03	**15159.00**
Others	-	-	-	-	-	-	**15453.05**
Total	**78**	**72**	**04**	**09**	**10**	**113**	**56885.38**

b. Co-Curricular activities

Sl. No.	Type of Facility	Details
1.	Sports, Outdoor	Cricket ground, Football, Volleyball, throw ball, basketball, Tennis court and badminton courts.
2.	Sports, Indoor	Table tennis, chess, carom, indoor badminton courts
3.	Gymnasium	Area – 102 sq.m, tread mill-2 nos, spine bike-2 nos, biur /triumph, combo, multi press combo, peek fly/rear combo, multi press combo, peek fly/rear weight assist chin/deik combo, leg ext/leg eurl, lat pull/ doulm, seated low rowing, wrist conditioner, functional cable cross oven, hauk svauat/ leg pros, seated colt stand, t-bar rowing, multi ale bench, multi adjustable bench, Olympic incline/flat bench, olympic decline/flat bench, hyper ext/ heike flexor, twister standing, vertical knee raiser/ parallel bar/dep, Olympic rods (plates) up to 450 kgs, dumbbells up to 410 kgs.
4.	Auditorium	2000 Capacity
5.	NSS	Physics Dept.
6.	Cultural Activities	Auditorium is available with all facilities for conducting cultural events.
7.	Public Speaking	Public addressing system available
8.	Communication, skills development	HRD Dept.
9.	Health and Hygiene	BGS-GIMS Hospital
10.	Bank	Canara bank with ATM, Bank of Baroda ATM available within the campus

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific example so the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution/campus and indicate the existing physical infrastructure and the future planned expansions if any).

- As per AICTE norms infrastructure is developed and the facilities are optimally utilized. Class rooms and laboratories are well equipped and organized.



Student canteen, student common rooms (Boys and Girls), Digital Library, Guest house, Parking Facility, Indoor and Outdoor stadium, Gymnasium and Bank.

The basic infrastructure as per the requirement of the regulatory bodies is approved from governing council at the time of establishing the institution. Other requirements of faculty for teaching learning and research are discussed in Principal and HOD‘s meetings which is further approved from governing council.

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

The college ensures that physically disabled students are provided with necessary facilities. Adequate facilities are available to cater to the needs of physically challenged people in line with the recommendation of the university norms. Some of the basic infrastructure facilities available for the physically disabled are:

- On demand relocation of the class room are made for the convenience.
- Lifts are provided in the blocks.
- Ramps are made at the entrance of all departments.
- Toilet rooms for the physically challenged are provided.

4.1.5 Give details on the residential facility and various provisions available within them:

The Institution has well-furnished separate hostels for boys and girls within the campus. The following facilities are provided to ensure the safety of the students in hostel.

- Individual well qualified wardens for both girls and boys hostel
- Wi-Fi Computer facility along with 24 x 7 Wi-Fi is provided for hostel students.
- Recreation facilities are available within the campus like gymnasium, sports complex, indoor, cricket ground, athletic track, yoga Centre, basketball ground etc.
- There are three refreshment outlets are available within the campus.
- 24 x 7 ambulance is available in the campus. Also BGS GIMS and BGS Global a multi-specialty hospital is located adjacent to the institution.
- The Hostels are provided with solar heater and modern Cooking accessories.
- Good quality of food in the hostel mess
- Available residential facility for the staff and occupancy
- Good reading room and pleasant environment is the attraction.
- Library facility is available in the hostel with newspapers& magazines.
- Constant supply of safe drinking water
- Library facility is available in the hostel with newspapers& magazines.
- 24/7 CCTV surveillance and security guards to enhance safety of students

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

- Students of the institution are made to avail the medical services 24/7 from GIMS and BGS global hospitals which are located within our campus.
- The first aid facility is available in all the departments for staff and students.
- Health awareness camps, Blood donation camps are organized regularly.
- Fire extinguishers are installed wherever necessary for the purpose of safety.
- Medical insurances schemes are provided to all students.

4.1.7 Give details of the Common Facilities available on the campus–spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

Sl. No.	Parameter	Operating Unit
1.	IQAC	Yet to establish IQAC. However, the Total Quality Management Team is constituted and Office section of the Physics Department is in charge of the committee.
2.	Grievance Redressal unit	Office section of the Mechanical Department
3.	Women's Cell	Office section of the Mathematics Department
4.	Counseling and Career	Tutorial rooms of the department

	Guidance	
5.	Placement Unit	HRD department
6.	Health Centre	BGS GIMS Hospital
7.	Canteen	College Canteen behind mechanical Engineering Block, Two cafeterias one near the main library and other adjacent to Boys Hostel
8.	Recreational spaces for staff and students	Gymnasium is located in basement of Auditorium. Multipurpose Playground with running track in the campus. Full-fledged sports complex includes basketball, volley ball, badminton near the auditorium
9.	Safe drinking water facility	UV treated and RO based drinking water is provided in all academic blocks.
10.	Auditorium	2000 seating capacity auditorium in the campus.
11.	Reprographic services, College Store	Behind Mechanical Block and next to the college Canteen.
12.	ATM facility	Bank of Baroda ATM is available.

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes,

Library do has the Library Advisory Committee, headed by a senior professor along with appropriate representation from various departments.

Sl. No.	Name	Designation & Department	Position
01.	Dr. K.V. Mahendra Prashanth	Professor in ECE & Head, R&D	Chairman
02.	Dr. Srikantaiah K.C	Professor in CSE	Member
03.	Dr. Kiran Kumar. P	Professor in Mechanical Engg.	Member
04.	Smt. Poornima. M	Assoc. Professor in ISE	Member
05.	Smt. Lalithamma. G.A	Assoc. Professor in EEE	Member
06.	Sri. H. Narendra Kumar	Assoc. Professor in Civil Engg	Member
07.	Smt. Roopa. D.R	Assoc. Professor in Physics	Member
08.	Smt. Savitha. H.S	Asst. Professor in Chemistry	Member
09.	Sri. Balachandra. P	Asst. Professor in Mathematics	Member
10.	Smt. Roopa Balavenu	Asst. Professor in MBA	Member
11.	Sri. Vinay. C	Librarian	Member Secretary

The duties and functions of the Committee shall be as under:-

The library committee meets once in a Semester to discuss various Library initiatives to be carried out for that particular academic year.

The Major responsibilities of the committee is to consider policy matters regarding Central Library including the policy for procurement of books and journals

and render advice to the Purchase Committee for Library procurements. To look into day to day problems of the Library clientele and send recommendations to the Authorities for the desired decision. Taking adequate care in acquiring books prescribed by the university for both text and reference purposes. Some of the significant initiatives of the committee in recent past are suggestions regarding the aesthetics, the quality of internet speed, procurement of General literature books, books for preparation of competitive exams like GATE, CAT, GRE etc.

4.2.2 Provide details of the following:

- **Total area of the library (in Sq. Mts.) -** 3157.50 Sqm.
- **Total seating capacity** – 400
- **Working hours**: **On working days**: 8.30AM to 8.30PM. **On holidays**: 8.30AM to 12.00PM. **Before examination days**: 8.30AM to 8.30PM. **During examination days**: 8.30AM to 10.00PM **During vacation**: 8.30AM to 4.30PM.
- **Layout of the library** : Individual reading carrels, lounge area for browsing and relaxed reading IT zone for accessing e-resources

Basement Floor

The basement floor of the library consists of PG & MBA section stack area, MBA reference area, The personal study zone cum seminar hall.

Ground Floor

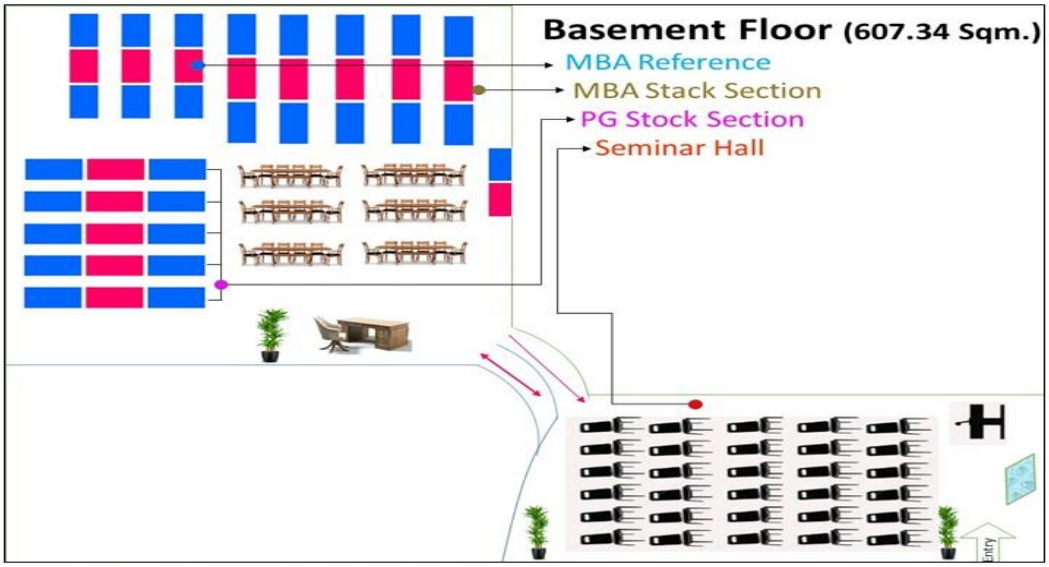
The ground floor consists of entrance lobby, library office, Librarian's chamber, Circulation Counter, UG Stack area, Digital library & Browsing center and Gents Toilets.

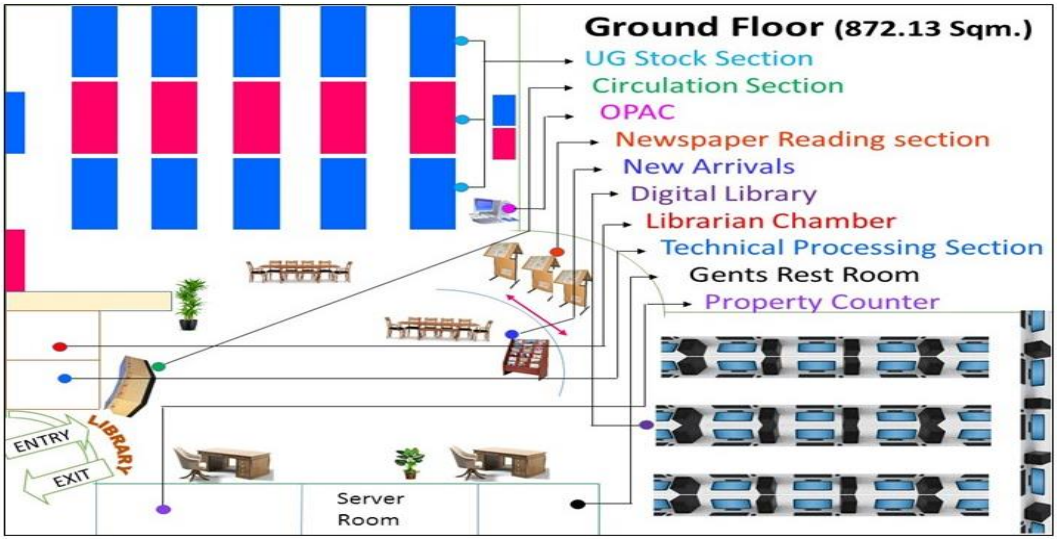
First Floor

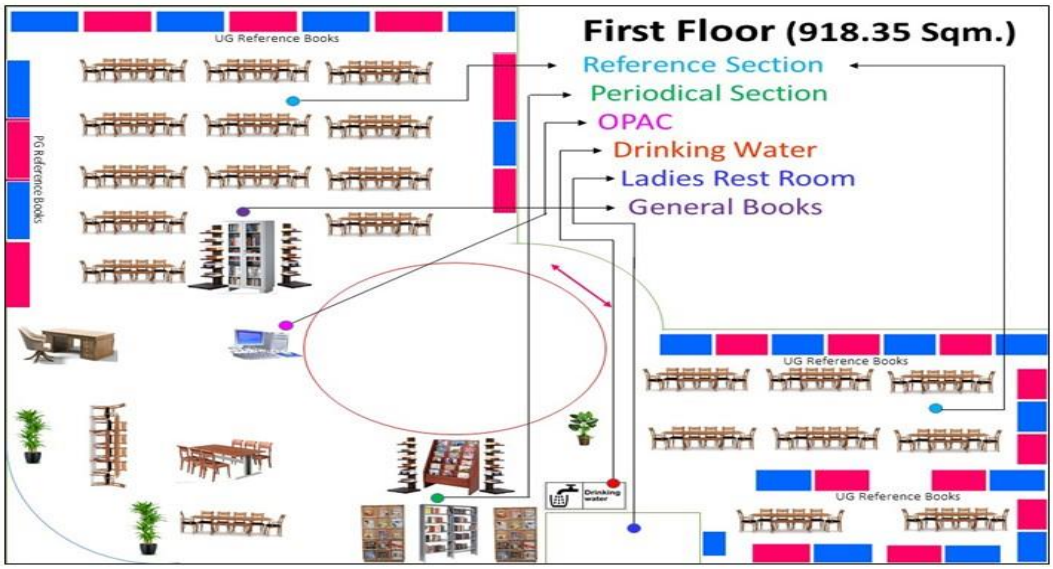
The first floor consists of, Periodical section, Reference section and Ladies Toilets. Seating arrangements for 200 students is provided here for reading.

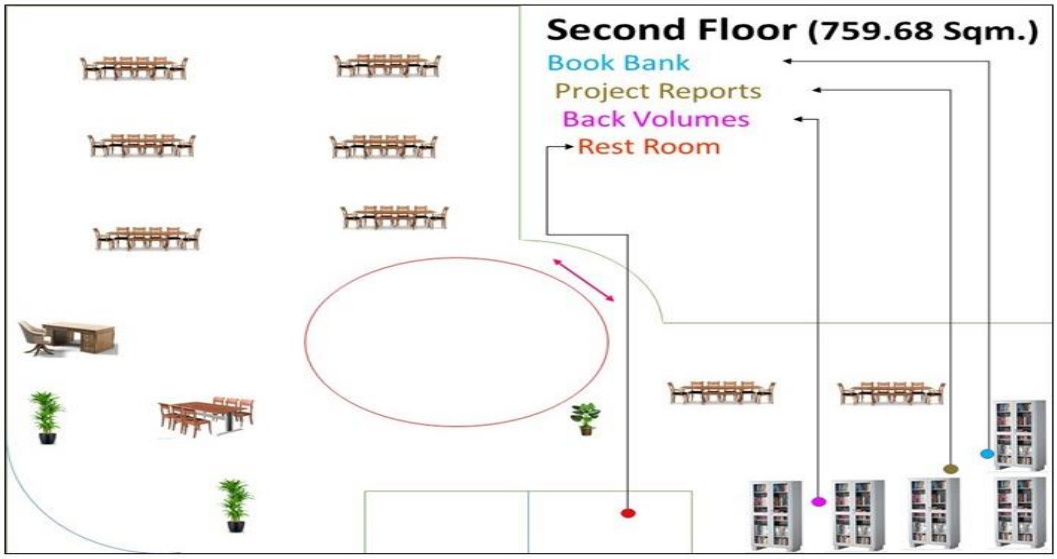
Second Floor

The Second floor is partially occupied and the remaining portion is kept reserved for future expansion. The SC/ST book bank facility, Project reports and back volumes are housed in this section.




Ground Floor (872.13 Sqm.)
UG Stock Section
Circulation Section
OPAC
Newspaper Reading section
New Arrivals
Digital Library
Librarian Chamber
Technical Processing Section
Gents Rest Room
Property Counter
ENTRY
EXIT
LIBRARY
Server Room


First Floor (918.35 Sqm.)
Reference Section
Periodical Section
OPAC
Drinking Water
Ladies Rest Room
General Books
UG Reference Books
PG Reference Books
UG Reference Books
UG Reference Books
Drinking water


Second Floor (759.68 Sqm.)
Book Bank
Project Reports
Back Volumes
Rest Room

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

Requirements for new books and journals are raised from various departments from time to time. Different publisher's representative visit library from time to time with latest list of publication /catalogues to promote the current titles of books / journals. Library also organizes book exhibitions from time to time with the help of publishers. The concerned department faculty members with the recommendation from the Department Head, forward the list of books to be procured before the commencement of the semester which is vetted by the library advisory committee and then formally approved by the Director for procurement action. Further, library has its own annual budget which is approved by management before commencement of new academic session. The number of new books and journals procured yearly during the last 04 years along with the total cost incurred is placed below: -

Library Holdings	2015-16		2014-15		2013-14		2012-13	
	Nos.	Total Cost (in Rs)	Nos.	Total Cost (in Rs)	Nos.	Total Cost (in Rs)	Nos.	Total Cost (in Rs)
Text Books	811	3,37,113	1446	5,55,182	1388	5,41,195	3083	10,87,586
Reference Books	280	1,36,917	1096	3,71,354	728	3,30,126	1011	3,64,815
Journals /Periodicals	78	1,66,243	70	1,20,217	76	1,61,958	51	67,965
E-Resources	08	11,60,000	08	13,78,065	10	15,84,664	10	14,99,010
Any Other	-	-	-	-	-	-	-	-

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

- **OPAC- Yes,** OPAC terminals are provided in the Library for browsing the available resources. Also OPAC can be accessed through LAN in the campus.
- **Electronic Resource Management package for e-journals- YES,** Subscribed to VTU-Consortia of E-resources through IP based access.
- **Federated searching tools to search articles in multiple databases**- YES, through **Knimbus** federated search engine which lists all the institutional subscribed packages along with other resources on a single platform **(www.knimbus.com).**
- **Library Website-** YES, A link to Library **(http://sjbit.edu.in/library/index.html) is** provided in the main page of college website. The Library website lists the details about Library, the links to subscribed E-resources, Open access resources and useful web links.
- **In-house/remote access to e-publications- YES,** IP based access is provided in the Library as well as throughout the campus to access the subscribed e-resource

packages. Remote access facility is also provided to needy faculty, students and research scholars to access the resources through their comfort zones.

- **Library automation- YES**, The library is using Libsoft 9.0 library automation package for library in house operations like accession of books, circulation, membership management, OPAC, etc., Books are barcoded for quick circulations and Barcoded ID cards have also been issued to library clientele.
- Total number of computers for public access- **50**
- Total numbers of printers for public access- **01**
- Internet band width / speed – **100 Mbps**
- Institutional Repository- Yes, D-Space package is used to develop SJBIT Institutional Repository for Question papers, e-books and faculty publications.
- Content management system for e- learning- **Yes, through VTU e-learning facility.**
- Participation in Resource sharing networks/consortia (like Inflibnet)- **YES, VTU E-Consortia & DELNET**

4.2.5 Provide details on the following items:

- Average number of walk-ins: **200 per day**
- Average number of books issued/returned: **300 per day**
- Ratio of library books to students enrolled: **1:4**
- Average number of books added during last three years: **1916**
- Average number of login to opac (OPAC): **120**
- Average number of login to e-resources: **800**
- Average number of e-resources downloaded/printed: **1200**
- Number of information literacy trainings organized: **4**
- Details of "weeding out" of books and other materials: **The old newspapers and magazines are sold as junk once, every two years. Unused and outdated books are stacked separately.**

4.2.6 Give details of the specialized services provided by the library

- **Manuscripts - Nil**
- **Reference - Yes,** reference books pertaining to the academic syllabus and general reading is maintained in the reference section. Encyclopedias, Dictionaries, Handbooks, Novels and aptitude books are added to the reference section

periodically. The library is also an institutional member of British Library, Bangalore, where the library members of our institute can borrow relevant resources like books, journals and DVD's. The users who are in need of in-depth information are referred to premier institute libraries of IISc, NAL, IIM-B, ISRO etc.

- **Reprography - Yes**, One Photocopier is available in the Library to cater the photocopying needs of the users.
- **ILL (Inter Library Loan Service) - Yes,** Our library is institutional member of DELNET, through which the necessary books and other information resources can be borrowed from other DELNET members through Inter library loan.
- **Information deployment and notification (Information Deployment and Notifications) - Yes,** Relevant information regarding E-resources, new arrivals, notifications regarding Technical Seminars, workshops etc., and general information like Circulars, Notices are displayed on the notice boards. Links to various information resources are listed in the library website. Reminders about overdue books are sent through SMS to members.
- **Download - Yes,** Users can download required information over the Internet. Useful e-books, journal articles, conference proceedings etc., are downloaded and kept in the repository for user needs.
- **Printing - Yes,** One LaserJet printer and flatbed scanner is provided.
- **Reading list/ Bibliography compilation - Yes**, Bibliographic details of books can be accessed through OPAC services.
- **In-house/remote access to e-resources -** Yes it is provided through IP based access in the campus and through remote access registration outside the campus.
- **User Orientation and awareness - Yes,** In the beginning of the academic year, the new members are subjected to an Orientation program on Library utilization, the rules and regulations, guidelines for borrowing the books etc. also, periodically user awareness programs on E-resource usage is organized.
- **Assistance in searching Databases -** Yes, User awareness training programs are conducted with the help of e-resource publishers for effective use of available resources. The library staffs always provide necessary assistance to the users in effective searching of databases.
- INFLIBNET/IUC facilities - **Not Applicable**

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

Library staff provides the list of new arrivals among the faculty members on

monthly basis and display the same on notice board for student's information. Apart from this, the new catalogues, pamphlets of publishers are also displayed on the referral counters for review by user community. Additionally, the staff extends all out help to students in searching of books, reserving the issued books, procuring the books on ILL from other libraries, providing necessary help in searching the databases, e-journals, e-books and framing proper Key-words for their searches.

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

The classmates / guardian of physically handicapped students are allowed to borrow the books on their behalf and the lists of books if required are sent to them by e-mails & notices. The library staffs are always ready to assist the physically challenged people in obtaining the Materials / documents. They are usually given top priority to fulfill their information needs.

4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)

Yes,

Once in a year, formal feedback from students regarding quality of library services has been introduced by the institute.

An online questionnaire will be sent to faculty and students randomly to collect their feedback and suggestions. Further, there is a provision of suggestion box for user community to give their suggestions and opinions.

The received feedbacks are analyzed by the library committee and the recommendations are forwarded to the management for improving the quality of services offered and taking corrective measures to increase the user satisfaction levels.

4.3 IT Infrastructure

4.3.1 Give details on the computing facility available (hardware and software) at the institution.

The department has adequate computing facilities in terms of hardware and software and the details are furnished here under.

- **Number of computers with Configuration (provide actual number with exact configuration of each available system): 1542**

Version	Configuration	No.
CSE		
ACER-Veriton ACPC3740	M200-H61 Chipset, Core i3,3240, 3.40 Ghz, 3 MB Cache, 500 GB HDD,6GB DDR3 RAM, (4+2), MM Key Board, USB Optical Mouse. **OS:-**Windows Xp/7.**Monitor:-**19.5"LED Monitor	**60**
Lenovo Think Center E-73,	Lenovo E-73, Chipset, Core i3,4130, 3.40 GHz, 3 MB Cache, 500 GB HDD,6GB DDR3 RAM, (4), MM Key Board, USB Optical Mouse.	**65**

	OS:-Windows Xp/7.**Monitor:-**19.5"LED Monitor	
Lenovo D-35 S6R6 Thin Client	Processor 1.6 GHZ, 1GB DDr3 ,1GB Flash drive, Network 100/1000, Audio Connector, I/O Port, Secure USB, USB Key board & Mouse, 18.5 Monitor,	**60**
Lenovo Think Center E 7500	ALL in ONE PC: Intel C2D , 2 GB RAM, 500 GB HDD, LAN 100/1000, DVD, USB key Board Mouse, web Cam	**30**
Lenovo Think Center E 5400	ALL in ONE PC: Intel Dual Core , 4 GB RAM, 500 GB HDD, LAN 100/1000, DVD, USB key Board Mouse	**30**
Lenovo Think Center E 7500	Intel C2D ,2.93 GHZ, G31 Board, 2 GB RAM, 320 GB HDD, LAN 100/1000, DVD, USB key Board Mouse, 19.5" TFT Monitor.	**20**
HP DX 2480	Intel C2D ,2.93 GHZ, G31 Board, 2 GB RAM, 250 GB HDD, DVD, USB key Board Mouse, 19.5" TFT Monitor.	**10**
Lenovo E7400	Intel C2D ,2.8 GHZ, G31 Board, 2 GB RAM,320 GB HDD, DVD, USB key Board Mouse, 18.5" TFT Monitor.	**30**
HP Compaq Presario SG 3350	Intel C2D ,2.0 GHZ, G31 Board, 1 GB RAM,160 GB HDD, DVD, MM key Board Mouse, 18.5" TFT Monitor.	**41**
HCL Busy Bee, 4990	Intel C2D ,2.0 GHZ, G31 Board, 1 GB RAM,160 GB HDD, DVD, MM key Board Mouse, 18.5" TFT Monitor.	**29**
Acer Veritron	DualCore 2.7, 320 GB HDD, 1GBRAM , 18.5" TFT monitor	**10**
ECE		
HCL	CORE 2 DUO, 2.93GHz 512 MB RAM, 220GB HDD	**16**
HP	INTEL CORE 2 DUO, 2.93GHz 1GB RAM, 320GB HDD	**10**
ACER	i3, 6GB RAM, 500GB HDD, 2.93GHz	**55**
LENOVO	INTEL CORE 2 DUO, 2.93GHz 2GB RAM,.320GB HDD,AGP CARD 64MB	**75**
COMPAQ	INTEL CORE 2 DUO, 2.93GHz 1GB RAM, 320GB HDD	**10**
EEE		
LENOVO	Lenovo E-73, Chipset, Core i3,4130, 3.40 Ghz, 3 MB Cache, 500 GB HDD,6GB DDR3 RAM, (4), MM Key Board, USB Optical Mouse. **OS:-**Windows Xp/7. 19.5"LED Monitor	**113**
ISE		
LENOVO THINK CENTER	Intel Core I3-2120 3.30 GHz, 4 GB RAM 500 Hard disk	**49**
HCL	CORE 2 DUO, 2.93GHz 512 RAM, 220 GB HDD	**43**
HP	INTEL CORE 2 DUO, 2.93GHz 1GB RAM, 320 GB HDD	**01**
ACER	6GB RAM, 500GB HDD, 2.93 GHz	**30**
LENOVO	TEL CORE 2 DUO, 2.93GHz 2GB RAM, 320GB HDD,AGP CARD 64MB	**55**
COMPAQ	INTEL CORE 2 DUO, 2.93GHz 1GB RAM,.320GB HDD	**23**
Mechanical		
Lenovo E-5700	Intel H61, Intel G4 2.93Ghz processor, 2 GB RAM, 500GB HDD, 18.5" TFT monitor, USB Key Board & Mouse.	**95**
Dell T110Server	Dell T110 server Power edge T110, 4GB/500GB SATA, Quadcore Intel xeon Processor,18.5 " TFT monitor, USB Key Board & Mouse.	**01**
Lenovo S510 Tower	Intel® Core™ **i5-6400** Processor (6M Cache, up to 3.30 GHz), 8GB DDR4 2133 Mhz Single DIMM, 500Gb 7200RPM HDD, No ODD, Internal Speakers, NVidia GP730 2GB DDR Disply Card/Grapic Card**,** Free DOS, 21" monitor	**80**
Civil		
Lenovo Think Center E 7500	Intel C2D ,2.93 GHZ, G31 Board, 2 GB RAM, 320 GB HDD, DVD, USb key Board Mouse, 19.5" TFT Monitor.	**37**
Dell T110 Server	Dell T110 server Power edge T110, 4GB/500GB SATA, Quad core Intel xeon Processor,18.5 " TFT monitor, USB	**01**

	Key Board & Mouse.	
Library		
Lenovo Think center	Intel Dual ,2.93 GHZ, G31 Board, 2 GB RAM, 320 GB HDD, LAN 100/1000, DVD, USB key Board Mouse, 19.5" TFT Monitor.	**20**
HP Compaq Presario SG 3350	Intel C2D ,2.0 GHZ, G31 Board, 1 GB RAM,160 GB HDD, DVD, MM key Board Mouse, 18.5" TFT Monitor.	**10**
Admin		
Lenovo	Core i3 3240 2.9 GHz .4GB Ram 500GB HDD DVD-RW	**02**
Acer	Dual Core E6700, 3.20 GHz, 2 GB Ram 500 GB HDD	**03**
HCL	Core 2 Duo E7200 2.53 GHz 2.53 GHZ 2 GB Ram 250GB HDD	**06**
HP	Core 2 Duo E4600, 2.40GHz, 4GB Ram 260 HDD	**02**
Lenovo	Core i3 3240 3.70 GHz .2GB Ram 500GB HDD DVD-RW	**36**
HRD		
Acer Veritron	Intel core i3, 500 GB HDD, 19" TFT Monitor, 2 GB RAM, LAN 100/1000, MM Key Board & Mouse.	**160**
Lenovo Think Center	Intel C2D ,2.8 GHZ, G31 Board, 2 GB RAM,320 GB HDD, LAN 100/1000, DVD, USB key Board Mouse, 18.5" TFT Monitor.	**90**

- **Computer: student ratio – 1:2.4**
- **Standalone facility –**

  LCD Projector : 42
  Printers : 140
  CD writer : 32
  DVD writer : 800
  Scanner : 17

- **LAN facility: 1542 Connected**
- **Wi-Fi facility: Available**
- **Licensed software:**

Sl. No.	Department	Software
1.	Mechanical	ANSYS version 14, Windows Server 2003, WindowsXp, Windows Server 2008 R2, Microsoft Windows 7, Windows 8, Solid edge version 19, MTAB –FMS
2.	Civil	ANSYS, MATLAB, MS Visual Basic, Windows Server 2003, Windows Xp, Windows Server 2008 R2, Microsoft Windows 7 Professional, Windows 8
3.	EEE	Mi-Power, Windows Server 2003, Windows Xp, Windows Server 2008 R2,Windows 7 Professional, Windows 8,
4.	CSE	Windows Server 2003, Windows Xp, Windows Server 2008 R2, Windows 7 Professional, Windows 8, Visual Studio PRO-2008, C++ Compiler Academic Edition, Visual Studio PRO-2010, Win server Cal2008,sinOLP, Model SIM & Xilinx, Multi SIM, Mentor Software.
5.	ISE	Orcade Capture Lite, MASM, Xilinx, Model Sim, Windows XP, Turbo C, Oracle, Net Sim, Windows 7, Windows Server 2003, Windows Xp, Windows Server 2008 R2, Windows 7 Professional, Windows 8
6.	MBA	Windows – 7 Pro, Windows Server 2003, Windows Xp, Windows Server 2008 R2, Windows 7 Professional, Windows 8

7.	ECE	MATLAB, CADENCE, Keil, NI LabView, Windows Server 2003, Microsoft Windows Xp, Windows Server 2008 R2, Microsoft Windows 7 Professional, Windows 8
8.	All departments	Quick heal Antivirus software-1200 users

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

Almost every computer in the campus is connected to Internet facility. Internet facility is available in the institution for faculty and students. The College has a digital library. The facilities are utilized by faculty: Internal / External Communication through emails, Research work/ e-Resources, Preparation of Teaching /Learning materials, Uninterrupted power supply (UPS) is made available in the department so that the students and staff can access the computers without any interruption.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

Institution keeps on updating the IT infrastructure, peripherals and relevant facilities as per the curriculum and industry requirement.

4.3.4 Provide details on the provision made in the annual budget for procurement, up gradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

Description	2012-2013	2013-2014	2014-2015	2015-2016
Procurement	69.19Lac	52.81Lac	35.18Lac	-
Up gradation/Software	47.83Lac	1.45Lac	15.03Lac	2.15Lac
Maintenance	12.16Lac	7.02Lac	9.42Lac	13.89Lac
Total amount	**129.18Lac**	**61.27Lac**	**59.63Lac**	**16.04Lac**

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/learning materials by its staff and students?

Institution has been provided with sufficient ICT resources. Faculty and students are encouraged to use ICT resources extensively like availability of e-resources in web portal, digital library etc. Classrooms are well equipped projectors to enable the power point presentation for interaction sessions between students and faculties.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching-learning resources, independent learning, and ICT enabled classrooms/learning spaces etc.) by the institution place the student at the center of teaching-learning process and render the role of a facilitator for the teacher.

- The institution has facilitated the faculty members to up load the study materials on to the institute website, which is easily accessed by the students for self-learning.
- The institution provides user ID and passwords for all the students, so that they can access e-resources which facilitate independent learning of students for writing papers, review of case studies and projects.
- Online aptitude and technical skill test for students.
- One- to-one and one-to-many digital class rooms for effective delivery of teaching.
- Digital environment for effective sharing of resources/study material.
- Digital platform for dynamic evaluation of the students learning.
- Online feedback from the students.

The institute provides user ID and passwords for faculties to maintain and manage the student academic records through Student Information Management Systems (SIMS).

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

NO

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal location and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget al located during last four years)?

Details of budget allocated during last four years by the Institution for proper maintenance and upkeep of the different assets and its establishment: (Approximate values) is as shown.

Item	2012-13 (Rs.)	2013-14 (Rs.)	2014-15 (Rs.)	2015-16 (Rs.)	Total (Rs.)
Building	115.1 Lac	255.2 Lac	91.7 Lac	72.2 Lac	534.2 Lac
Furniture	70.04 Lac	31.23 Lac	30.66Lac	22.98Lac	154.91Lac
Equipment	78.85 Lac	35.24 Lac	23.2 Lac	46.9Lac	39.3 Lac
Computers	69.19 Lac	52.81 Lac	35.18Lac	-	157.18Lac
Vehicles	33.5 Lac	47.57 Lac	-	82.07Lac	4.65crore
Books/Journals	30.35 Lac	30.25 Lac	24.42 Lac	8.73Lac	93.57Lac
Teaching Aids	8.02 Lac	1.09 Lac	8.25 Lac	11.15Lac	28.51Lac
UPS	13.40 Lac	4.47 Lac	5.93 Lac	1.45Lac	25.25Lac

4.4.2 What are the institutional mechanisms for maintenance and up keep of the infrastructure, facilities and equipment of the college?

- Buildings, furniture and other aspects of college infrastructure are taken care in a scheduled manner.
- Some of the staff members are given the responsibility for supervision of maintenance works such as Water, Hostel, Transport facilities.
- All the computers, printers, scanners, projectors and networking facilities are maintained on regular basis.
- Laboratory instruments are serviced on a regular basis. When need arises qualified personnel are called for servicing with proper maintenance schedule.
- For cleanliness of the campus, separate house-keeping team is engaged.
- Proper care for emergency like medical and fire are provided.
- Gardens are maintained regularly to give an exotic look to the college by maintaining the lawns and floras.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

At the beginning of every semester all the equipment/ instruments are calibrated and serviced. Whenever some new laboratory instruments are purchased the faculty members and research scholars are properly trained by the company technicians. Routine maintenance and calibration are carried out on a regular basis by the Lab in-charge and Technical staff. Technicians from company are called for critical maintenance work.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

- Provision of UPS to ensure constant power supply.
- Operational guidance and working of every machine or equipment is displayed in the laboratory notice boards to safe operation.
- The Departments take care to protect sensitive instruments from mechanical and electrical damage.
- The voltage stabilizers and transformers are installed to control voltage fluctuations.
- The generators are placed at one of the corners of the campus which is properly secured and guarded. For upkeep and maintenance electricians are available 24×7.
- Each block is provided with RO or UV system for potable water and the maintenance of the same is through AMC.

CRITERION V

5 STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus / handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

Yes,

The institution publishes a yearly handbook. This briefs the achievements of staffs and students and also details of the infrastructural developments made on the college campus. The handbook covers the detailed information of the following

- Vision and mission statements of the college.
- VTU rank holder details.
- Awards and recognitions to the college.
- Individual Department details.
- Course details.
- HRD and placement information.
- R&D details.
- FDPs, Workshops and conference conduction details.
- Abstract on Papers published by staff members.
- Sports achievements.
- Library – Guidelines and general information.
- Hostel facilities.
- Articles by the students and staff.
- And all other achievements in the institution.

5.1.2 Specify the type, number and amount of institutional scholarships / free ships given to the students during the last four years and whether the financial aid was available and disbursed on time?

The institution provides merit scholarship to students along with facilitating the scholarships of the various organizations for the respective students. The financial aid in the form of gold medals is disbursed on time.

Sl. No.	Academic Year	No of Students	Total Amount Disbursed
1.	2015-16	22	Gold Medals
2.	2014-15	22	Gold Medals
3.	2013-14	22	Gold Medals
4.	2012-13	22	Rs. 7,70,000

5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

19.92 % of students are benefited by receiving financial assistance from state government, central government and other national agencies

5.1.4 What are the specific support services/ facilities available for

- **Students from SC/ST, OBC and economically weaker sections**
  - SC/ST, OBC and economically weaker students are given fee reimbursement provision provided by the Government.
  - Admissions to various Programmes are provided in line with the State Government reservation policies.
  - All Government Scholarships are disbursed to the students as per the norms.
  - The college arranges additional training / remedial classes for SC/ST and other academically slow learners.
  - Online facility to report any grievances to the management.
  - SC/ST committee is setup to look after the welfare of the concerned students.
- **Students with physical disabilities**
  - Extra time is given for examination of theory paper and labs.
  - Barrier free environment is created.
  - Western type toilets are available.
  - Administrative support to avail financial assistance.
- **Students to participate in various competitions/National and International**
  - Students are encouraged to participate in various competitions and conferences in India.
  - Students are provided with necessary guidance for the competitions / conferences, etc.
  - Financial support is provided for the students who present their work in international programs/conferences.
- **Medical assistance to students: health Centre, health insurance etc.**
  - First aid boxes are made available in the department.
  - The college campus has got a medical college and hospital 'BGS Global Institute of Medical Sciences' and BGS Global Hospital with world class facilities. Arrangements are made to provide medical services for students and staff members.
  - The Centre has its own round-the-clock ambulance van facility.

- Frequent medical check –up and blood donation camps are arranged.
- Emergency medical care and in patient and out- patient care is rendered at college.
- Medical insurance is provided to the students from the institution.

- **Organizing coaching classes for competitive exams**
  - Interested students are trained in preparing for competitive examinations like GATE/ CAT/ CIVIL Services examinations.
  - The provision is given to conduct coaching classes / self-study by the advanced learners.
  - Library and internet facilities are made available
  - Periodical tests are conducted in Aptitude and technical questions which help the students assess themselves.
- **Skill development (spoken English, computer literacy, etc.,)**
  - The HRD department of the college conducts specialized programs for students to improve their communication skills, soft skills and the efficiency at corporate levels.
  - Personality development programs are conducted by HRD department.
  - Communication is only through English in college campus.
  - Student seminars are conducted periodically to improve their presentation skills.
  - Bridge courses in C/C++ are conducted by industrial experts for the students to enhance their computer literacy.
  - Training programs are also conducted on all computer aided tools by experts in the relevant field.
- **Support for "slow learners"**
  - Slow learners (students who are at risk of failure and dropout) are identified and based on the performance of the students up to the first half of the semester; students are provided counseling for performance enhancement. Remedial classes are conducted for students who have backlogs.
  - Weekly coaching classes in the needed subjects are conducted by the subject teachers and frequent tests are conducted to check their progress.
  - Mentors follow up the regularity of the students to the coaching classes and whenever necessary parent – mentor- course teacher discussion is convened to help the student perform better.
- **Exposures of students to other institution of higher learning/ corporate/business house etc.**

- Experts from industry are invited for seminar/workshop/conference.
- Students are encouraged and guided to participate in events organized by the college and other institutions.
- Students are encouraged to take internship / sponsored projects at other reputed institutes and organizations.
- Industrial visits and expert talk of professionals from industry are arranged for practical exposure.
- Workshops on entrepreneur development are organized for the students to enhance the business development qualities in students.
- Project guidance and assistance is provided by teaching staffs.
- UG and PG projects in reputed institutions like WIPRO, BHEL, BEL, BSNL, DRDO, ISRO, HAL, CISCO, REXROTH BOSCH.

- **Publication of student magazines**

College magazine 'SPARANA' is published yearly. It serves as a platform for the exhibition of the creative potentialities of the students.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

- Entrepreneurship Development Centre has been established. Programs are conducted regularly to motivate the students to be an entrepreneur.
- The alumni students who are entrepreneurs are invited and motivational talks are arranged to the junior students.
- Several workshops/seminars are conducted to encourage students to think about small scale business opportunities. All new schemes such as Swachh Bharath drive for solid waste management, DIGITAL INDIA, START-UP INDIA etc., are discussed with the students.
- Students are encouraged to coordinate and volunteer the various technical/cultural/sports activities in the institution which imbibes the managerial skills in the students.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co- curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

The Institution has constituted following committees to enhance student participation in extracurricular and co-curricular activities.

- Sports committee.
- Technical committee.
- Cultural committee.

- **Additional academic support, flexibility in examinations**

- To ensure active participation of students in sports and extracurricular activities, attendance exemption (with prior approval) by the faculty members.
- On duty leave is given to students to encourage them to participate in extracurricular activities.
- Academic support is provided for all those students participating in extracurricular activities by including them in the regular coaching classes.
- Provision for repetition of lab work
- Internal Assessment tests scheduled during the on –duty period are conducted again for the participants.

- **Special dietary requirement, sports uniform and materials**
  - College provides sports uniform to all the students participating in the inter-collegiate/inter University events and provides dietary supplements for such students.
  - Special diet is provided for students in their coaching camps.
  - Free sports uniform is disbursed to the students.
- **Promotion of participation of students in sports**
  - DA and TA are extended to students participating in out- station sports meet.
  - Sports uniforms and gears are given free of cost.
  - Playground of national standard to conduct: athletic meet with 400 meters track, cricket tournament, football tournament, hockey etc. is provided in the campus.
  - Basketball court, Tennis court, Gym Center and well equipped Sports Center are provided for students for their excellence in sports.

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR-NET, UGC-NET, SLET, ATE /CAT/ GRE/TOFEL/GMAT/ Central/State services, Defense, Civil Services, etc.

- Experts from recognized coaching institutes are invited to guide students to face competitive exams.
- Unit wise MCQs are prepared for all the subjects and distributed to students.
- Weekly two hours is allotted in the time table for HRD activities where the students are trained on general aptitude, analytical reasoning and technical skills. These skill sets helps the students to face all competitive exams.
- Periodical aptitude tests to assess and improve the performance of the students are conducted by HRD department.
- On line mock examinations are conducted.

The following table provides the details of students appeared and qualified in competitive exams.

Sl. No.	Batch	No. of Students Appeared for Competitive examinations	No. of Students Qualified
1.	2012-13	37	33
2.	2013-14	27	22
3.	2014-15	49	27
4.	2015-16	26	23

5.1.8 What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)

- **Proctor system**

The institution has a very effective Mentoring System in which fifteen students allotted to a Proctor (faculty). The mentor convenes a meeting on regular basis with the students to discuss the overall performance and progress of the student. The Mentors render help the students by guiding them in their studies, career planning, setting goals etc. The mentors also address the students‟ personal and psycho- social issues to make them feel more confident and composed.

- **Academic, Personal and Career Counseling**

At the time of admission, the students are guided by a faculty in choosing an appropriate branch as per their interests and future aspirations. The students are also provided exposure pertaining to the scope and future prospects of the available subjects which form the core syllabus. They are counseled adequately to shape their career. Guidance to parents and personalized counseling are provided by the Mentor- Mentee Schemes that are practiced on priority basis in the Institution. The Institution organizes the GATE/TOEFL coaching seminars every year. Students who are at the risk of drop out are given special attention and are advised to give maximum importance to critical subjects to prevent from being detained.

- **Psycho-social etc.**

A counselor is engaged by the institution for helping the students to solve their psycho-social related issues.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the Programmes).

Yes,

Systematic career guidance is given to the students. The Training and Placement Department under the able guidance of the Principal and the Director – Training and Placements, has a structured mechanism of career guidance and counseling. Different placement related training programs are conducted for the

students for better employability.

- **Campus Placement:**

The Placement Department invited reputed companies for campus recruitment. Some selected students are even sent to off-campus interviews. The details of the Placement are as follows:

Academic Year	No. of companies visited the campus	% of Students selected	Average Salary
2015-16	93	554	3.65 lakhs
2014-15	146	569	2.77 lakhs
2013-14	142	583	2.65 lakhs
2012-13	125	459	3.25 lakhs

The following table gives the details of % of students placed in the last three years.

Department	% of Student offers during the Last three Years
CSE	95.47
ECE	89.62
EEE	83.82
ISE	93.79
ME	62.90
CIVIL	46.97
MBA	95.07
Total Placement % (Campus)	**81.09**

The following is the number of the employers and the Programmes partial list of companies who have come for campus placement to our institution:

Level	Name of the Course	Aca. Year.	Number Of Companies Visited	Number Of Students Placed	Lowest Package (In Lakhs)	Highest Package (In Lakhs)
PG	CAEDS	2015-16	2	1	2.50 LPA	12.50 LPA
PG	Struc. Engg.		2	1		
UG	EEE		17	56		
UG	CSE		31	185		
UG	ISE		31	86		
UG	CIVIL		9	5		
UG	MECHANICAL		13	25		
PG	VLSI & ES		10	2		
PG	DCN		10	2		
PG	CSE		10	3		
PG	CE		10	1		
PG	CNE		10	1		
PG	DE		10	3		
UG	ECE		31	98		
PG	MBA		11	85		
PG	MAC. DESIGN		2	1		
PG	CAEDS	2014-15	Not Applicable		2.26 LPA	12.25 LPA
PG	Struc. Engg.		Not Applicable			
UG	EEE		18	46		
UG	CSE		35	174		

UG	ISE		35	119		
UG	CIVIL		10	15		
UG	MECHANICAL		8	30		
PG	VLSI & ES		9	7		
PG	DCN		9	6		
PG	CSE		15	8		
PG	CE		15	6		
PG	CNE		15	8		
PG	DE		12	6		
UG	ECE		30	128		
PG	MBA		6	13		
PG	MAC. DESIGN		3	3		
PG	CAEDS	2013-14	Not Applicable		2.50 LPA	8.5 LPA
PG	Struc. Engg.		Not Applicable			
UG	EEE		16	43		
UG	CSE		37	126		
UG	ISE		37	112		
UG	CIVIL		16	11		
UG	MECHANICAL		9	23		
PG	VLSI & ES		8	6		
PG	DCN		8	5		
PG	CSE		12	10		
PG	CE		12	9		
PG	CNE		12	8		
PG	DE		8	7		
UG	ECE		31	128		
PG	MBA		29	95		
PG	MAC. DESIGN		Not Applicable			
PG	CAEDS	2012-13	Not Applicable		2.40 LPA	17.00 LPA
PG	Struc. Engg.		Not Applicable			
UG	EEE		19	42		
UG	CSE		29	105		
UG	ISE		29	96		
UG	CIVIL		6	5		
UG	MECHANICAL		5	6		
PG	VLSI & ES		7	4		
PG	DCN		7	3		
PG	CSE		8	5		
PG	CE		8	4		
PG	CNE		8	3		
PG	DE		7	3		
UG	ECE		26	98		
PG	MBA		18	85		
PG	MAC. DESIGN		Not Applicable			

5.1.10 Does the institution have a student grievance Redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

The institution has a Grievance Redressal Cell which actively interacts with the students to help them to sort out any of their grievances. It attends to both registered and unregistered grievances of the students. The students have the facility to drop their grievances in the suggestion box. The students are given freedom to lodge their complaints before the principal, their HOD or directly to the committee head. The necessary actions, if any, are taken after issues are discussed in the concerned cell. Composition of Redressal Cell is as follows.

Sl. No.	Name & Designation	Committee Members
1.	Prof. T. Madhusudhan	Chairman/HOD, Mechanical
2.	Prof. Bhaskar B	Member/Assoc. Prof., ECE
3.	Prof. Sandeep S R	Member/Assoc. Prof., EEE
4.	Prof. Poornima M	Member/Assoc. Prof., Mathematics
5.	Prof. Dhananjaya M	Member/Assoc. Prof., CSE
6.	Prof. Rekha B	Member/Assoc. Prof., ISE
7.	Prof. Narendra kumar H	Member/ Assoc. Prof., Civil
8.	Prof. Santosh M	Member/Assoc. Prof., MBA
9.	Prof. G Anil kumar	Member/ Assoc. Prof., Mechanical

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

To safe guard the rights of girl students, their protection and to bring about growth and development, and to empower anti -sexual harassment committee was setup in our Institution. The aim of the committee is to create awareness among girl students about their responsibilities and rights and to provide a conducive environment for women staffs and students. The cell looks into any matter related to harassment of the women faculty and students by a senior lady faculty. The Institution has taken a decision to handle very strictly against sexual harassment if any. The anti-sexual harassment committee consists of the following members.

Sl. No.	Name & Designation	Committee Members
1	Dr. Puttaraju, Prof. and Principal	Chairman
2	Dr. Padmaja Venugopal	Convener/Mathematics
3	Prof. Pushpaltha V	Member/ MBA
4	Geetha B. S	Member/ Mathematics
5	Nirmala H	Member/CSE
6	Vanishree T S	Member/Mechanical
7	Shilpa K R	Member/ISE
8	Joythi	Member/ECE
9	Rekha P S	Member/EEE
10	Neethu Patil	Member/Civil
11	Chandranna	Member/office
12	Sahana Mohan	Student Member/CSE
13	Inchara	Student Member/Civil
14	Shilpa V	Student Member/ECE
15	Nithya S	Student Member/EEE
16	Yelagaiah	Member/SHO/Kengeri Police Station

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

Yes, The College has anti-ragging committee and the details are given below.

Sl. No.	Name & Designation	Committee	Contact Number
1	Dr. Puttaraju, Professor & Principal	Chairman	9008719999
2	Dr. K.R. Nataraj, HOD (ECE)	Member	9916065415
3	Dr. Mohan H.S., HOD (ISE)	Member	9739099709
4	Dr. Babu N. V., HOD (EEE)	Member	9739099706
5	Prof. Prasad CSMV., HOD (Civil)	Member	9916101204
6	Prof. T. Madhusudhan, HOD (Mechanical)	Member	9620569199
7	Dr. Krishna A.N., Prof. & HOD, (CSE)	Member	9481189899
8	Prof. Shantha Kumar HC, Asso. Prof. (CSE)	Member	9448571119
9	Mr. Dilip – VIII Sem – CSE Student	Member	9916242451
10	Ms. Shifali Raina –VIII Sem ECE Student	Member	9731803128
11	Inspector or Sub-Inspector of Jurisdiction Police Station	Member	9448613511 08022942510

During the last four years only two incidents have occurred that to outside the campus. The students have been warned and suspended for one week from attending the classes.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

The Institution works to ensure social justice through the various students' welfare schemes. The induction program clearly presents the welfare schemes available to the students. The following welfare schemes are available for the students.

Scholarships and Free ships

Details of the scholarships, various free-ships are displayed on the institution notice board. The class teacher guides the students to get the benefit of the various welfare schemes. Similarly scholarships from various central, state government and other agencies are made available to the students.

Institution has student welfare fund through which needy students and medical emergency, economically weaker students are supported.

Bank Services

In collaboration with the CANARA BANK, the Institution supports all the students in opening an account with minimum deposit. It gives the opportunity students to make transactions through the bank in the globalized world. The bank even provides educational loans.

Counseling and Placement Service

The placement cell extends its service to the students in career guidance and counseling and organizes lectures concerning career planning and invites companies for campus recruitment.

Health Services

The health center in the Institution takes care of the basic health issues of the students. The Institution has made arrangements of a full time doctor & nurse staffs. The Institution has tied up with BGS-GIMS and its facilities can be utilized by students & staffs.

Co-operative society

Institution has co-operative society to cater the stationary and other needs of the students at nominal prices.

5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?

Yes,

The Institution has an Alumni Association which plays a vital role. The alumni association helps in building a network of the alumni and helps in being in touch with the corporate world. The association helps in holding interactive sessions to motivate current students about the employability and educational opportunities abroad. They share their opinions in social networks, blogs and forums. The Alumni's participate through feedback on competencies gained during their course and provide valuable information to improve curricular on a continuous basis. They actively involved in academic matter through guest faculty sessions and industrial visits.

The major contribution of alumni is with industry institute interaction cell for having linkages with industry for academic, research, training and placement activities.

Some of the activities conducted by the institution involving student/faculty alumni.

Dept.	Name of the Alumni	Date	Activity
ISE	Pooja B Neethan Gowda	20/10/2012	Shared HIS work Experience in Corporate World
	Hanumantiah	26/02/2014	Insight on how the subjects of 4th semester are required in industry.
	Venkatesh Bharadwaj	03/09/2014	Insight on how the subjects of 5th semester are required in industry.
	H Hanumanthaiah Kishan P Neethan P Gowda	09/05/2015	Shared Their work Experience
	Mithilesh M	18/09/2015	Importance of Object Oriented Programming
	Sandhya S	03/11/2015	Importance of HRD in SJBIT
	Guruprasad B H	30/05/2016	Shared HIS work Experience in Corporate World
	Shalini A	13/05/2016	Shared Her Work Experience in Corporate World
ECE	Ramesh	13/04/2016	Presented a topic "embedded systems"

	Chaitra N	13/09/2015	Placement oriented talk
	M Swaroop	19/08/2015	Presented a topic “designing web page”
	Nidhi	06/08/2015	Higher education related talk
	Prakruthi H L	06/11/2014	Presented a topic “push to talk”
EEE	Shashikiran	17/09/2016	Technical marketing
	Kalidasa	17/09/2016	Technical marketing
	Jaisimha	23/09/2016	Placements in TCS
	Sagar v v	23/09/2016	Placements in automation industries
	Kiran kumar	15/09/2015	Spoke about job opportunities
	Rajan	11/03/2015	Preparation for placements
	Anu singh	08/05/2015	Preparation for GRE
CSE	Amit Ankit, Farheen, Srinath	26/04/2016	Current trends in MNCs, College to company transition, Importance of academics
	Nagbhushan	11/10/2014	Importance of college fest
	Manohar	20/09/2014	Importance of joining startups, Perks of being a software engineer, Manvenhive
	Suhas	25/04/2015	Insight into the corporate world, Difference between coding and testing profiles
	Aditya	11/05/2015	Pursuing Higher studies abroad
	Amith Ankit	19/09/2015	Exposure to company and its environments
	Venugopal S Anuradha S	05/11/2015	Regarding Mini Projects & its importance in industry
	Suhas V	19/03/2016	General Topics and Students interest
	Sridevi N	11/05/.2016	Importance of Final Year projects and general topics
MBA	Harsha C Narendra, Supriya	06/06/15	Documentation
	Vinay, darshan	06/05/15	Project guidance
	Praveen Kumar, Prashanth	16/6/15	Specialization opting
	Viday N Raju	23/9/15	Interview skills
	Anush K C, Vaishanavi, Navneetkaur, DivyaRaju	10/10/15	Group discussion and HR projects
	Kavya , Anusha K C	23/11/15	Project guidance
	Nidhi Singh	25/11/15	Searching for jobs
	Harish K, AkramKhan, Kavya, Amrutha, Bhushan	12/09/15	Communication skills
	Sowmya C U	26/5/16	Resume writing
	Pallavi D	27/10/2016	HR skills
	Malathi M	05/11/2016	Soft skills
	Sharath G M	12/11/2016	Rural marketing
	Shree Harsha	22/02/2017	Financial Markets

5.2 Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

Student progression	2012-13	2013-14	2014-15	2015-16
UG to PG	27.75%	16.8%	7.93%	2.67%
PG to M.Phil.	Nil	Nil	Nil	Nil
PG to Ph.D.	2.17%	2.26%	2.75%	4.27%
Employed • Campus selection	93%	97%	96%	97%

Above table shows, increasing trend in campus selections in placements every year.

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise / batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

Department Name	UG COMPLETION RATE ANALYSIS in %			
	2012-16	2011-15	2010-14	2009-13
ECE	88.8	87.92	86.21	80.62
CSE	93.0	92.19	90.71	89.51
ISE	74.8	72.2	76.4	78.41
EEE	92.85	83.33	78.57	93.75
MECH	97.22	94.66	94.2	81.96
Civil	93.15	93.15	81.42	76.71

Department Name	PG COMPLETION RATE ANALYSIS in %			
	2014-16	2013-15	2012-14	2011-13
VLSI & ES	100	83.33	94.11	88.88
DCN	86.66	100	81.15	100
DE	78.57	100	88.88	100
CSE	93.3	94.12	100	100
CE	100	100	100	100
CNE	100	94.44	100	100
MD	93.33	100	-	-
CAD Structures	100	-	-	-
Structural Engg.	100	-	-	-
MBA	92	93.75	93	87

PASS PERCENTAGE

Department Name	UG PASS PERCENTAGE RESULT ANALYSIS in %			
	2012-16	2011-15	2010-14	2009-13
ECE	96.55	98.51	99.09	100
CSE	95.56	96.46	96.40	100
ISE	97.22	97.69	95.90	100
EEE	96.05	93.87	81.83	79.66
MECH	93.34	98.61	100	98
Civil	96	95.50	89.10	98.25

Department Name	PG PASS PERCENTAGE RESULT ANALYSIS in %			
	2015-16	2014-15	2013-14	2012-13
VLSI & ES	100	100	100	100
DCN	100	100	100	100
DE	100	100	100	100
CSE	100	100	100	100
CE	100	100	100	100
CNE	100	94.44	100	100
MD	100	100	-	-
CAD Structures	100	-	-	-
Structural Engg.	100	-	-	-
MBA	92	93.75	93	87

Comparison with neighboring colleges:

Sl. No.	College Name	2015-16	2014-15	2013-14
ECE				
1.	SJBIT	96.55	98.51	99.09
2.	DBIT	95.00	87.15	83.72
3.	JSSATE	89.85	93.01	88.34
4.	KSIT	90.24	88.29	86.60
5.	RNSIT	93.38	95.6	92.02
CSE				
1.	SJBIT	94.02	96.46	96.40
2.	GAT	97.43	92.62	98.98
3.	BNMIT	97.18	96	96.83
4.	RNSIT	92.08	96.55	96.37
5.	DBIT	92.3	96.8	95.4
ISE				
1.	SJBIT	97.22	97.69	93.79
2.	JSSATE	98.64	94.56	97.14
3.	RNSIT	97.25	90.66	98.55

4.	GAT	98.04	100	96.23
5.	DBIT	98.04	94	94.34
EEE				
1.	SJBIT	95	89.61	91.04
2.	DBIT	88.3	71.4	87.8
3.	RRCE	92.72	86.84	92.1
4.	RNSIT	90.74	89.85	85.93
5.	GAT	91.76	73.52	84.48
Civil				
1.	SJBIT	99	89.10	89.10
2.	JSSATE	92.68	97.2	97.2
3.	GLOBAL	97.43	96.67	96.67
4.	RRCE	100	95	95
5.	KSSeM	93.2	96.15	96.15
Mechanical				
1.	SJBIT	93.34	98.61	100
2.	DBIT	91.08	92.30	93.65
3.	JSSATE	92.10	98.52	97.10
4.	KSIT	91.21	92.36	95.45
5.	RNSIT	96.85	90.14	NIL

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

The institution facilitate GRE/TOFEL coaching for students interested in MS degree at abroad universities, GATE for students who want to flourish in technical studies. Placement training would start from first semester of the programme. Students would be having special training during the vacations, like soft skills and industry oriented training. Pre placement talks from industry people to inspire them. Mock interview to train them, to fill confidence and are motivated to pursue for higher studies

5.2.4 Enumerate the special support provided to students who are at risk of failure and dropout?

Every student's progress is evaluated and the students who are at risk of failure are provided with

- Academic counseling.
- Providing supplementary materials.
- Conducting intensive remedial classes.
- Faculty mentor and parents interact with students.
- Coaching classes for slow learners.
- Helping students in pragmatic time management to clear the back log papers.

5.3 STUDENT PARTICIPATION AND ACTIVITIES

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

The following sports**,** games, cultural and other extracurricular activities are available to the students.

Infrastructure Available for Outdoor & Indoor Games:

Sl. No.	Outdoor	Indoor
1.	Athletics ground with 400mtr. Track	Table tennis
2.	Cricket	Chess
3.	Volley Ball	Carrom
4.	Throw Ball	Shuttle Badminton (wooden Surface)
5.	Hand Ball	***Multi Gym Hall:*** Power lifting Best Physique Weight lifting
6.	Kho-Kho	
7.	Kabaddi	
8.	Foot ball	
9.	Soft ball	
10.	Ball badminton	
11.	Basket ball	
12.	Tennis	
13.	Archery	

Various VTU Sports Events Organized by the Institution

Sl. No.	Name of the Event	Calendar
1.	VTU Intercollegiate Bangalore South-Zone Badminton (Men & Women) Tournament	17th& 18th April 2012
2.	VTU Intercollegiate Bangalore South-Zone Volleyball (M) Tournament	25th& 26th February 2015
3.	VTU Intercollegiate Bangalore South-Zone Cricket Tournament	1st to 14th March 2015
4.	VTU Intercollegiate Inter-Zone Cricket Tournament	16thto 20th March 2015
5.	VTU Intercollegiate Bangalore South-Zone Badminton (Men & Women) Tournament	21st& 22nd August 2015
6.	Bangalore South-Zone University Cricket team selection trails	28th& 29th September 2015
7.	University Table Tennis (Men & Women) team Coaching Camp	20th to 26th January 2016

Data Pertaining to the Participation of Students in Various University Sports Events for the past Four (2012-13, 2013-14, 2014-15 & 2015-16)

Sl. No.	Name of the Event	No. of Participants			
		2012-13	2013-14	2014-15	2015-16
1.	Cricket (M)	16	16	16	16
2.	Cross Country (M & W)	02	02 + 02 (W)	-	-
3.	Football (M)	16	16	17	18

4.	Volley Ball (M & W)	12	12	12	12 + 08 (W)
5.	Basket Ball (M & W)	10	10	10	10
6.	Badminton (M & W)	05 + 05 (W)	05 + 05 (W)	05 + 02 (W)	05 + 04 (W)
7.	Table Tennis (M & W)	05 + 05 (W)	05 + 05 (W)	05	04 + 04 (W)
8.	Chess (M & W)	05 + 05 (W)	-	05	04 + 04 (W)
9.	Hand ball (M)	-	-	01	10
10.	Wrestling (M)	01	01	-	01
11.	Gymnastics (M & W)	-	-	-	01
12.	Judo (M)	-	-	-	01
13.	Malkhamba (M)	-	-	01	01
14.	Swimming (M & W)	02	02	02	03
15.	Kabaddi (M)	-	-	-	10
16.	Weight Lifting (M)	02	-	-	01
17.	Power lifting (M)	02	-	-	02+02(W)
18.	Best Physique (M)	02	02	-	01
19.	Hockey (M)	-	-	-	-
20.	Tennis (M & W)	05	02	-	02 (W)
21.	Ball Badminton (M & W)	-	08	08	08
22.	Throw ball (W)	12	-	-	12
23.	Soft ball (M)	12	02	02	-
24.	Athletics (M & W)	09 + 03(W)	11 + 01 (W)	08+09(W)	15 + 07 (W)
25.	Kho-Kho (M & W)	-	-	12	12
26.	Yoga (M & W)	-	-	01	01
27.	Archery (M & W)	-	02	02	02
28.	Boxing (M & W) Selection only	-	-	-	-
29.	Cycling (M & W) Selection only	-	-	-	-
30.	Youth Fest (M & W)	-	03(W)	12+ 04 (W)	04 + 06(W)

List of Winners in Various Sports Events:

Sl. No.	Name of the Student	Name of the Event	Position	Place of Participation
1.	Nishchith R Shetty	Wrestling (96 Kg)	I Place	VTU's Intercollegiate Wrestling Competitions held at MVJCE, Bangalore from 14th to 16th September 2012
2.	Adarsh M VII- CIVIL	Best Physique (up to 80 Kg)	I Place	VTU's Intercollegiate Best Physique Competitions held at SDMIT, Ujire from 18th to 20th October 2012
3.	N Yukthishree, V – SEM, ISE	Archery Competition (30 Mts & 50 Mts)	I Place	VTU's Intercollegiate Archery (M&W) Competitions held at KSIT, Bangalore on 11th September, 2013

4.	Chiranth V Gowda – 7th SEM, Civil	Best Physique (up to 75 Kg)	III Place	VTU's Intercollegiate Best Physique Competitions held at Acharya IT, B'lore, from 10th to 12th October 2013
5.	Harish P – 3rd Sem, Civil	Best Physique (up to 80 Kg)	I Place	VTU's Intercollegiate Best Physique Competitions held at Acharya IT, B'lore, from 10th to 12th October 2013
6.	N Yukthishree, VII – SEM, ISE	Archery Competition – Indian Round (30 Mts & 50 Mts)	II Place & I Place	VTU's Intercollegiate Archery (M&W) Competitions held at DBIT, Bangalore on 13th September, 2014
7.	Varun A S – V SEM, EEE	Yoga	II Place	VTU's Intercollegiate Single Zone Yoga Competitions held at Hirasugar Institute of Technology, Nidasoshi, on 16th to 17th September 2014
8.	Volley ball Women team	Volley ball (W) Bangalore Zone Tournament	IV Place & Qualified for Inter Zone	VTU Intercollegiate Bangalore south zone Volley ball Tournament held at AMCE Bangalore from 05th& 06th March 2010
9.	VARUN A S VII SEM, EEE	Yoga	II Place	VTU's Inter -Collegiate Single Zone Yoga Competitions held at Gogte Institute of Technology, Belagavi, on 19th& 20th September 2015
10.	PRARTHANA PRAKASH K T, V – SEM, ECE	Archery Competition (30 Mts & 50 Mts)	III Place & III Place	VTU's Inter -Collegiate Archery (M&W) Competitions held at Acharya IT, Bengaluru on 26th October, 2015
11.	PREMESH CHANDER GURU, V SEM , CIVIL	Archery Competition (30 Mts & 50 Mts)	III Place	VTU's Inter -Collegiate Archery (M&W) Competitions held at Acharya IT, Bengaluru on 26th October, 2015
12.	PRARTHANA PRAKASH K T, V – SEM, ECE	Single zone Wt., lifting, Power lifting & Best physique (M & W)	III Place	VTU's Inter -Collegiate Single Zone Wt., lifting, Power lifting & Best physique (M & W) Competitions held at GAT, Bengaluru, on 29th& 31st October 2015
13.	SHIVAPRAS AD B P, III – SEM, M TECH	Single zone Wt., lifting, Power lifting & Best physique (M & W)	II Place II Place	VTU's Inter -Collegiate Single Zone Wt., lifting, Power lifting & Best physique (M & W) Competitions held at GAT, Bengaluru, on 29th& 31st October 2015
14.	TABLE TENNIS WOMEN TEAM	Table Tennis	Semi - Final	VTU's Inter –Collegiate Bangalore South Zone Table Tennis (M & W) Tournament held at KSSCEM, Bengaluru on 07th& 08th Sep., 2015

Student Representation in the University Level, National Level & International Level:

1. Shreyas H N & Tejas S R, Represented VTU Soft ball men Team in the year 2011-12 and secured 4th place in the all India Interuniversity Soft ball

tournament held at Punjab University, Chandigarh from 23rd to 27th February 2012.

2. Tejas S R, Represented VTU Soft ball men Team in the year 2012-13 in the all India Interuniversity Soft ball tournament held at Devi Ahilya University, Indore from 25th to 30th January 2013.
3. Adarsh M, Represented VTU in the year 2012-13 & Participated at all India Interuniversity Best Physique competition held at Mohanlal Sukhadia University, Udaipur from 21st to 28th February 2013.
4. Karthik M, Represented VTU Ball Badminton men Team in the year 2013-14 in the all India Interuniversity Ball Badminton tournament held at Alagappa University, Karaikudi (TN) from 20th to 24th December 2013.
5. Shreyas H N & Tejas S R, Represented VTU Soft ball men Team in the year 2013-14 in the all India Interuniversity Soft ball tournament held at Acharya Nagarjuna University, Nagarjunanagar (AP) from 13th to 18th January 2014.
6. Premesh Chander Guru & N Yukthishree Represented VTU in Archery, the all India Interuniversity Archery Competition held at Punjab University, Chandigarh from 18th to 22nd January 2014.
7. Premesh Chander Guru & N Yukthishree, Represented Karnataka Archery (M&W) Team in the 36th Junior National Archery Championship 2013-14 held at Kokrajhar, Assam from 23rd to 28th November 2013.
8. Varun A S Represented VTU in Yoga, the all India Interuniversity Yoga Competition held at Kurukshethra University, Kurukshethra from 01st to 05th March 2014.
9. Manoj Kumar B represented Karnataka (Water Polo Men Team) in the 27th South zone Aquatic Championship - 2013 held at GMC Balayogi Aquatic Complex, Gachibowli, Hyderabad, Andhra Pradesh from 07th to 09th February 2014 & the team secured II Place.
10. Shreyas H N & Tejas S R, Represented Karnataka Soft ball men Team in the 05th Inter Zone National Soft ball Championship held at Indore, Madhya Pradesh from 23rd to 25th February 2014 & the team secured III Place.
11. Pradee K Represented VTU in Hand ball team, the all India Interuniversity Hand ball Competition held at Periyar University, Salem from 29th September to 03rd October 2014.
12. Manoj Kumar B & Akshay S Represented VTU in Swimming (Water Polo Men Team) team, the all India Interuniversity Swimming Competition held at Jain University, Bangalor, Karnataka from 26thto 30th October 2014.
13. Shreyas H N & Tejas S R, Represented VTU Soft ball men Team in the year 2014-15 in the all India Interuniversity Soft ball tournament held at University of Delhi, New Delhi from 01stto 05thMarch 2015
14. Varun A S Represented VTU in Yoga, the all India Interuniversity Yoga Competition held at Kurukshethra University, Kurukshethra from 17thto 20th March 2015.

15. **Manoj Kumar B**Represented **VTU in Swimming Men team (Water polo),** The All Inter-university Aquatic Competitions held at Panjab University, Chandigarh, from 20th to 25th October 2015.
16. **Akshay S** Represented **VTU in Swimming Men team (Water polo),** The All Inter-university Aquatic Competitions held at Panjab University, Chandigarh, from 20th to 25th October 2015.
17. Represented **VTU in Volley ball Women team,** The Inter-university South Zone Volley ball tournament held at Krishna University, Machalipatnam, AP from 11th to 15th February 2016.
18. Represented **VTU in Yoga,** The All India Inter-University Yoga Competition held at Chaudhary Ranbir Singh University, Jind,Haryana from 21ST to 23RD March 2016.

Awards & Laurels won:

1. Mohan Kumar H.M. of 7th semester Mechanical Engg. Student, participated in National level Karate championship 2012 on the occasion of Seibudo Kai Martial Arts Fest – 2012. He has won First prize in 9th All India Kata and Kumite championship -2012, he is currently holding Black Belt in Karate(Category : 65 kg – 70 kg)
2. The Institute was awarded Rs.1,00,000=00 in the year 2010-11 by the VTU, for excellence in Sports events.
3. Tejas S R, a student of 5th sem ECE got the University Scholarship of Rs 2,500/- for his second time representation of the VTU Soft ball men team.
4. Shreyas H N a student of 7th sem ECE got the University Scholarship of Rs 2,500/- for his second time representation of the VTU Soft ball men team.
5. Tejas S R, a student of 7th sem ECE got the University Scholarship of Rs 3,000/- for his third time representation of the VTU Soft ball men team.

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

List of students Achievement 2012-13						
Name	**Event**	**Place**	**Level**			
			University	**State**	**National**	**Internl.**
Adarsh M VII-CIVIL	Best Physique (up to 80 Kg)	I Place	VTU	-	-	-
List of students Achievement 2013-14						
Name	**Event**	**Place**	**Level**			
			University	**State**	**National**	**Internl.**
Chiranth V Gowda	Best Physique (up to 75 Kg)	III Place	VTU	-	-	-
N Yukthishree, V – SEM, ISE	Archery Competition (30 Mts & 50 Mts)	I Place	VTU	-	-	-
List of students Achievement 2014-15						
Name	**Event**	**Place**	**Level**			
			University	**State**	**National**	**Internl.**

N Yukthishree, VII – SEM, ISE	Archery Competition – Indian Round (30 Mts & 50 Mts)	II Place & I Place	VTU	-	-	-

List of students Achievement 2015

Name	Event	Place	Level			
			University	State	National	International
Rakesh	Volley ball Cup 2016	I Place	VTU	-	-	-
Varun	Yoga Competition	Bronze Medal	Inter-University	-	-	-
Premesh Chander guru, V SEM, Civil	Archery Competition (30 & 50 Mts.)	III Place	VTU	-	-	-

Cultural activities

List of students Achievement 2012-2013

Name	Event	Place	Level				
			University	state	Zonal	National	International
Nrithya samudra	Eastern dance	First			EWIT, SJBIT		
		Third			PESSE		

List of students Achievement 2013-2014

Name	Event	Place	Level				
			University	state	Zonal	National	International
Nirbhaya team	Eastern dance	First			EWIT, UVCE, DBIT, RNSIT		

List of students Achievement 2014-2015

Name	Event	Place	Level				
			University	state	Zonal	National	International
Fashion team	Fashion show	First			PANTHEON-14, RNSIT		
Madhushree & Team	Jodi No.1	First			BIT		

List of students Achievement 2015-2016

Name	Event	Place	Level				
			University	state	Zonal	National	International
Nrithya samudra	Eastern dance	First			DSCE, MSRIT, SJBIT MBA FEST		
Karthik team	Jodi No.1	First			AIT		
Madhushree	Solo dance	Third			CMRIT		

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional Provisions?

The institution collects an exit feedback from its passing out students. The students are requested to fill the exit feedback form before they receive their Degree Certificate. The data is collected and processed. The data is used to implement any corrective or preventive action to rectify any deficiencies. The Training and placement cell collects feedback from senior executives, who visit the campus for campus interviews, based on the performance of the students in the campus interviews. This feedback is just passed on to the department to take the necessary action. Feedback from Alumni is also collected from time to time. Alumni coordinator regularly communicates with the passed out graduates and employers to get information about the availability of the job opening and any particular training to be given to the students. This data is used to update the teaching and learning process, particularly to implement any tailor made course for the students to improve the change to bet placed.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

The institution management encourages all its students to publish their articles in the magazines/e-magazines. The technical student symposia conducted once in every academic year, by each department, the posters and brochures are designed exclusively by the students. A Faculty from the Department will act as Staff Advisor. The faculty members guide the students to carry out projects and help them in publishing magazines, and participate in various international and national conferences where they are encouraged to present/ publish paper's and posters.

The students' publications involve

- Departmental Newsletters - SADHANA, SPURTHI, SUVARTHA, E-KAMPANA, SATVASAMPADA, MECHMARIZE.
- College Magazine: SPARANA

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

The institution although does not promote a student council in its formal sense, however encourages leadership and participation of students in various clubs and associations such as: Literary club, Eco club, Department Associations and Music club etc.

Selection of office bearers is by nomination and enrolment is voluntary. Funds are made available by the Management or by nominal subscription fee. Holding such offices help students develop leadership qualities, team building and concerted work culture.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

The institution has various academic and administrative bodies that have student representatives on them. This representation helps them for their overall development. These bodies create more avenues for students to develop technical skill, updating knowledge on the state of the art subjects, personality development and service to society through the following Societies/Associations. There are staff advisers to guide students in the smooth and efficient conduct of these activities.

- Institution of Electrical and Electronic Engineers (IEEE)
- Indian Society for Technical Education (ISTE)- Student Chapter
- Computer Society of India(CSI)
- National Service Scheme (NSS)
- Anti-Ragging Committee
- Alumni association
- Women Task force Committee
- Anti-sexual Harassment Committee
- Cultural and Sports Committee
- Society of Automotive engineers (SAI)

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

The institution has developed a network with corporate through their alumni association and former Faculty. The institution has a registered alumni association is engaged in organizing alumni meet from time to time. The respective department has a strong network with alumni and former faculty by collaborating lectures and training Programmes. Industry institute interaction cell also interacts with alumni and collaborates in development of teaching/learning process, training, research, and industrial visits.

CRITERION VI

6 GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

Vision:

To become a recognized technical education center with global perspective.

Mission:

To provide learning opportunities that fosters students ethical values, intelligent development in science & technology and social responsibility so that they become sensible and contributing members of the society.

The institution is committed to address the issues of all the stake holders to achieve the mission statement through the following Objectives:

- To impart quality education through moral, ethical and social responsibilities in the field of education.
- To motivate the students to bring out their creative potential and nurture the spirit of critical thinking.
- To facilitate value-based holistic learning by integrating contemporary and innovative learning practices to match the highest Quality standards.
- To equip students with the skills needed to adapt better to the changing global scenario and gain access to multiple career opportunities.
- To maintain the state-of-the-art infrastructure and signing MOUs with industries and institutes of international repute.
- To establish indigenous Research and Development centers to address the issues and challenges of all the stakeholders.
- To enrich the quality of teaching and learning process by adopting innovative teaching methods and be abreast with cutting-edge technologies.

The vision and mission of the college are available at the college website (www.sjbit.edu.in). These statements are communicated to stakeholders through Information Brochure and have also been displayed at Reception and in each Department notice boards and other prominent location of the college.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

Governing body council consists of eminent personalities from different areas like academics, industry, VTU, AICTE etc. who are contributing to the quality policy maintenance and improvement programs. Institution aims at conduction of

international level conferences and participation in International/national level faculty development program/workshops/seminars help students and faculties keep pace with the latest development in science and technology. Adequate numbers of highly qualified and experienced faculty members are appointed for all the Programmes offered by the college. HODs meeting will be conducted periodically by the Principal to oversee the various activities in the college. Feedback is taken from the students at regular intervals to assess any loopholes in the college. College has established seven Research Centers across various domains and active IEEE chapter. HR Training for all students from first semester onwards. Regular audits are done in each department to ensure their effective functioning.

6.1.3 What is the involvement of the leadership in ensuring?

- **The policy statements and action plans for fulfillment of the stated mission**
- **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**
- **Interaction with stakeholders**
- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**
- **Reinforcing the culture of excellence**
- **Champion organizational change**
- **The policy statements and action plans for fulfillment of the stated mission**

  With the prior consent of the management, the Principal plays a leading role in the governance and management of the Institution. Principal communicates the vision and mission of the Institute to faculty members, students and other stakeholders. He plays the role of chief coordinator for various internal and external affairs of the Institution. He takes reviews from all the committees, teaching staff, and in charges of various departments by holding meetings with them for efficient working of the Institution

- **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**
  - The Principal conducts a staff-meeting to all teaching and technical staffs at the beginning of every semester.
  - The academic calendar is prepared under the guidance of the Principal in discussion with the Heads of the departments.
  - Continuous improvement in the academic process is ensured through participation and organization of seminars/ conferences/ workshops,
  - Formulation of TQMT members, various committees for curricular, co-curricular and extra-curricular activities ensure complete development of the students.

- The top management is all adaptive about changing trends in existing system and invites proposals for new Programmes.

- **Interaction with stakeholders**
  - The Principal makes conscious efforts to build a healthy relationship with its stakeholders namely staff, students, parents and alumni.
  - Alumni association is established and Alumni meets are conducted once in a year to have a constructive interaction.
  - Parents Meetings are also conducted regularly to facilitate interaction between the faculties and parents.
  - Before the commencement of every semester, principal will address the faculty members to convey the plans/activities for the coming semester.
  - Students can freely walk-in to the Principal chamber and directly interact with the Principal
  - The Principal values the opinion of the stakeholders and makes efforts to reach out to them whenever possible.
  - Fresher's day and Graduation Days are conducted every year to convey the institutional matters and their opinion/feedbacks are suitably considered.

- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**

  Regular meetings with TQMT, staff, student representatives, alumni and parents are conducted and suggestions are taken. After analyzing the needs and suggestions of the stakeholders, the management and principal formulate a new plan of action for the academic growth of the institution.

- **Reinforcing the culture of excellence**
  - The students' performance is recognized through awards for highest performance every year, merit certificates or public recognition.
  - To encourage Top students we provide departmental library books for references.
  - HRD training is provided from 1st semester itself which would help them to showcase themselves confidently to the outside world.
  - The institutional leadership involves in reinforcing the culture of excellence through creating music club, sports club, dance club, trainings and personality development Programmes, academic pursuit through research centers and re-enforcing discipline.
  - Institution has seven research centers and Center for excellence for training and research in Automation Technologies which is supported by Bosch Rexroth Group

- Institution is conducting the Apple Certified Training Program on iPad, iMAC and IOS for the faculty in association with Creative Infotech.
- MOU has been signed between institution and Meizu Technology Co. Ltd., China.
- To improve the quality of academic level in the faculty, encouragement is given to pursue higher education, undertake research activities and to participate in seminars/conferences/workshops.

- **Champion organizational change**

The institutional leadership involves in organizational change by incorporating departmentalization, decentralization, knowledge sharing, technology development, infrastructure development, admission process, and academic leadership

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

- Our institution conducts an Internal Audit process to every department once in a semester; which enables the Management/ Head of the institution to get adequate information in order to review the activities of the individual department.
- Governing body council meeting is conducted every semester to evaluate policies and improvement from time to time.
- All the activities are monitored by the Principal, HODs, and Coordinators. Main Coordinators of various committee reports the progress to the Principal at regular intervals and the feedback mechanism is used to monitor and for improvement.
- Monthly staff meetings are held to take stock of the activities undertaken by the various Committees.
- The management of the Institution monitors and evaluates policies and plans and effective implementation through reporting and interaction with Principal and staff members.
- The staff members are involved in the execution of the plans and outcomes are reviewed from time to time and changes are made wherever required.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

- The Principal being the faculty is the representative of the management and is assigned with the responsibility of leading all the academic matters of the institution.
- The principal encourages and cooperates with the faculty members in ensuring a proper academic environment in the college which may benefit the students.

- Any appropriate proposal coming from the faculty and students of the college are actively forwarded to the concerned authorities such as the university or AICTE for approval and necessary action.
- The faculties are empowered to conduct seminars and workshops in the college, guest lectures, group discussions, Quiz competitions, essay competitions, proposals for major and minor research projects, etc. and are forwarded to appropriate authorities with full cooperation and assistance.

6.1.6 How does the college groom leadership at various levels?

Student Leadership:

- Two Students, a girl and a boy play a role of class representatives which is rotated every semester such that more students will get the opportunity to lead the class.
- Students will be the leading coordinators of various committees for Cultural, Sports and Technical committee from each class.
- Students are encouraged to form various recreational clubs such as dance club, musical club, technical club, etc.
- Few students will be representing quiz committee, IEEE Chapter etc.
- Students are encouraged and motivated to volunteer the annual college Fest, Department Fest and HRD activities.

Faculty Leadership:

- All the staff members are involved in the academic and administrative committees of the college such as Anti-Ragging Committee, Discipline Committee, Examination Committee, etc.
- Every committee will have a Main coordinator who would be interacting with the Principal and there will be a department coordinator for each committee.
- All committees are constituted with a judicious combination of young talent and experienced members so that the younger faculty can learn the ethos and work culture of the college as the prospective leaders.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments/units of the institution and work towards decentralized governance system?

- The management has empowered the Principal in various administrative matters of the college. The Principal in turn authorizes HODs and faculty at their level for smooth conduction of departmental affairs.
- HOD defines the policy within the department in line with the institute vision and mission and has liberty to execute the policy.
- The institution has constituted various committees related to academic and non-academic activities and these committees are shared to all the departments and the HOD is the chairman of each committee allotted to the respective department.

- Every committee will conduct at least two meetings in a semester which will be headed by the Main Coordinator in the presence of the chairman of the committee.
- The meetings of these committees are regularly held and relevant matters are discussed and actions initiated.
- Heads of the department are delegated with the academic and administrative work. The departmental meetings are conducted by the Heads of the department with the teaching staff focusing on improving the academics, co-curricular and extra curriculum activities.
- Various works are imparted to the faculty, timetable, teaching plans, lesson plans, course material, which is reviewed by the Heads of the department at the regular interval. In addition to the academic responsibility shouldered, fulltime teaching staff also takes up administrative work and are on the functional committees that cover all aspects of governance of the institution.

6.1.8 Does the college promote a culture of participative management? If „yes", indicate the levels of participative management.

Yes,

The Management and the Principal are always open to discussion with the teaching and nonteaching staff and students which, in turn, motivates the staffs and students to involve in the improvement of effectiveness and efficiency of the institutional process.

- All policy decisions are taken in the meetings of College Council consisting of all HODs and the Principal in the presence of the Director.
- At the departmental level, the HOD holds meetings with the faculty to decide issues like syllabus delivery, assessments, organizing guest lectures, educational tours, etc.
- Participative management is entertained fully by making Faculty members the heads of various committees related to academic and non-academic activities of the institution. Students are also part of the various committees.

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Yes,

- The institution has a formally stated quality policy; it is developed by the management, Principal & selected faculties of the institution.
- The motto of the institution quality policy of the institution is to develop the overall sustained quality through bringing about progress in areas of teaching and learning, research, infrastructure, student performance and governance.

- The Quality process is driven through the Principal, HODs, faculty and supporting staff. It is deployed through financial, academic and administrative operations that benefit all the stakeholders.
- The quality policy is reviewed time to time based on feedback from different stakeholders monitored by the internal Total Quality Management Team (TQMT).

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

The institution has a perspective plan for its development. The plan is done keeping in view the global changes and the emerging needs of society and students community. The aspects mainly considered are based on the feedback from the parents, alumni and academic peers.

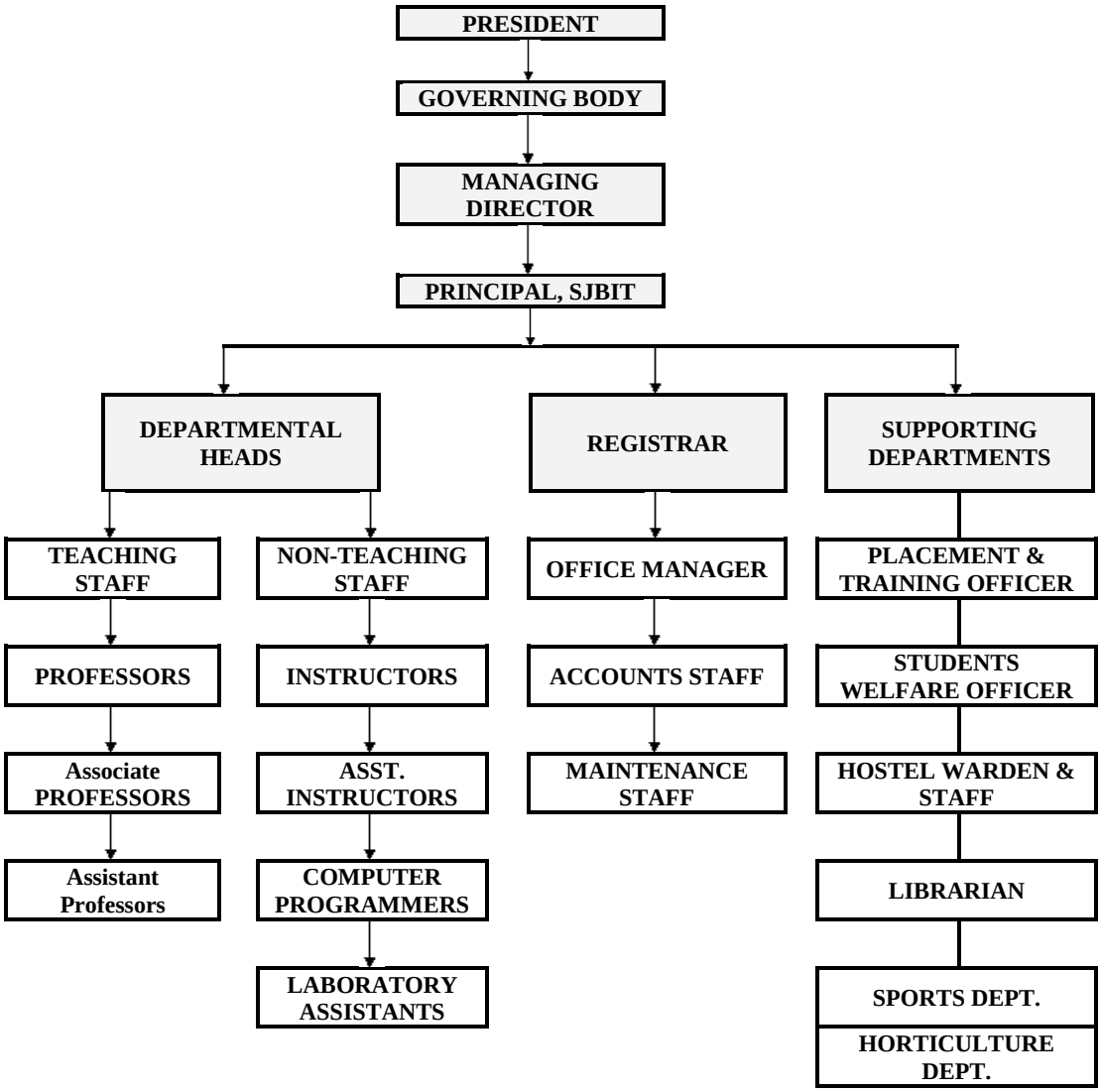
- Includes extension of physical infrastructure like building, providing additional facilities, etc.
- Employing highly qualified teachers and providing necessary training for the staff.
- Departmental level committees are formed for further academic growth and infrastructure development of the college. The members of these committees consider several factors while preparing future plans.

Some aspects considered for inclusion in the plan are:

- Introduce viable and relevant carrier oriented /skill development training programme.
- Enhance Digital platform based teaching in all departments.
- Purchase more Books, Journals and modern Laboratory equipment.
- Promotion of Research and Publications

6.2.3 Describe the internal organizational structure and decision making processes.

- The Governing Council chaired by the President takes major decisions regarding the policy making, future plans & strategies for enhancement and development and financial allocations.
- Based on these strategies and plans, The Managing Director governs the administrative operations and academic operations through the principal.
- The principal along with the HODs strategize to achieve the goals of the management.
- At department levels plans are developed and executed by HODs in consultation with members of the departments with the consent of the principal for smooth progress of the work.
- There is also a provision for the lower hierarchy to convey any ideas and suggestions for the betterment of the system. Relevant and progressive suggestions are discussed in the governing body and appropriate actions are taken.



6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

- **Teaching & Learning**

The faculty are assigned subjects during the semester break and instructed to submit the lesson plan, and subject notes. **Innovative teaching methods are employed. Assignment questions are given to students on weekly basis & university question papers are solved. Remedial classes are conducted for academically weak students.** The teaching staff maintains teachers diary and record of daily lectures delivered, practical conducted. Every week, Head of the department strictly monitors the teacher‘s diary.

- **Research & Development**

The institution has seven VTU recognized research Centre which facilitates and supports the faculty and PG students to take up research activities. Other research activities of the institution include presentation and publication of research papers in seminars, conferences and international journals, and guiding

research students for their M.Tech and PhDs degrees. Various workshops on research and methodology are arranged,

- **Community engagement**

  Community services are conducted every semester to serve the needy of the society. Old age home & Orphanage visits are organized by the department. Industry fraternity regularly visits the institute to bridge the gap between the industry & academia. Inviting the eminent personalities of the locality from different sections of the societies to the various Programmes organized in the college. Organizing NSS Camp in villages and blood donation camps in the college. Inculcating values of the society in the students by arranging seminars and talks by the experts in the area.

- **Human resource management**

  The human resources of the institute managed in a transparent, efficient and democratic manner. Faculty members are provided opportunity for their individual growth along with the organizational development. Human resource planning is done based on requirement of the resource and accordingly recruitment is made in an organized manner. The candidates are selected on the basis of their academic record, performance in the interview and demonstration lecture. Both teaching and non-teaching members are encouraged to higher studies by providing leaves and other facilities. Staff and students are provided with an opportunity for attending conferences, workshops, fests etc. Subjects are allocated based on the preferences given by the faculty members and according to their specialization. Committees are made for various activities of the institute and staff members provided an opportunity to work in these committees.

- **Industry interaction**

  Corporates have been invited to deliver lectures and train our students. The Institute has established good industry relationship as many of the companies are visiting campus for placement every year. Guest Lecture is conducted for enriching our students with the latest updates of the Industries and Technicalities. Industrial visit is an important activity in our college for both UG and PG programme. Internships provide work experience opportunities to our students. We insist the students to approach the companies that are willing to train them as interns and give them the experience they would need to get a job. Several companies have established their laboratories to impart the training on the latest technologies.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

The head of the institute ensures that adequate information related to the teaching staff as well as non-teaching staff is collected in the form of feedback and

through confidential report and self-appraisal report. Feedback through formal and informal meetings with the stakeholders is received by the Principal and necessary feedback is conveyed to the Management.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

Faculty members are always updated and supported through training Programmes, workshops and Faculty Development Programmes. The feedback from the students and the self-appraisal from the staff members help the institution to take proper decisions to improve. The various committees formed at the institutional level help for the overall development of the institutional process. The management through its representatives addresses the staff frequently at important occasions, festivals, cultural activities, etc. The management has introduced a number of welfare measures for staff so that greater involvement of the staff in institutional process is achieved. Transparency and fair ness is the main HR policy of the management.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

GC Resolutions

- Review of 2014-15 financial year budgetary and non-budgetary expenses
- Programme wise availability of seats in UG, PG and Research Programmes for the academic year 2015-16. Fixation of fees structure for government seats, COMED-K, PGCET and Management quota
- Recruitment of teaching and non-teaching staff at various departments. Revision of salary and perks for the existing staff members with effect from Aug-2015.

  Up to date salary structure is implemented.

- Seeking approval for procuring IT-Infrastructure, Furniture and books, and lab equipment's for various departments for the year of 2015-16.

  Necessary infrastructure is been implemented.

- Seeking approval for enhancing physical infrastructure at various departments and research centers
- Review of college's accomplishment in the recent years Viz., Data quest ranking, excellence award, academic ranks and national employability award.
- Ratification of needs, benefits and importance of NBA. Seeking approval for applying for NBA certification.
- Enhancing physical and intellectual infrastructure of R&D center.
- Part of the plan is implemented and rest will be completed in the coming year.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

Yes, the affiliating university has the provision for according the status of

autonomy to an affiliated institution**.**

Institute was established in the year 2001 and the Institute is affiliated to VTU, Belagavi. Within a short span of time, the institution has grown leaps and bounds and already marked its brand in the community for imparting quality education. Institute has received award for Placement & Training excellence. Different committees have been established and headed by the various professors in order to obtain autonomy status.

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

- The institution maintains a grievance redressal cell to redress the various grievances of the staff. Regular staff meetings are conducted by the Principal.
- There is an anti-ragging cell established in the institute to control and restrict the ragging activities.
- Formal feedback monitoring system is available.
- Regular campus watch and hostel visits are done by the various faculties. Procter database is maintained in the institute, wherein each student is associated with a faculty to monitor and support for his academic excellence.
- A committee against sexual harassment is also active in the department to address problems.
- To address the complaints of parents regular Parent-Teacher meetings are conducted.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

During the last four years or ever so far, there have been **NO** instances of court cases filed against the institution.

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?

Yes, a standard feedback system is used to obtain student feedback regarding the faculty performance in the classroom. Students are also encouraged to provide written comments to help improve the teaching practice. The staff recognized as proctor collects the various problems faced by the students, consolidates and report the same to the higher authorities.

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff?

- Teaching staffs and Non-teaching staffs are encouraged to attend workshops, seminars, conferences, and any other related programme to enhance professional development.
- Faculty members and non-teaching staffs are encouraged to associate with State, National and International professional bodies.
- The institution provides latest study materials including e-Journals to the faculty members through the well-established central library.
- Faculty development program and faculty training program are organized and conducted regularly by the institution. This gives the platform for the staff to learn and get trained for the leadership roles.
- Workshops and relevant training programme are conducted for non-teaching staff to enable them to update to the latest skills to perform their job in an efficient way.
- All the staff members are encouraged and entertained for quality improvement programme to acquire higher qualifications.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

- Faculty is given orientation by Principal and HOD at the beginning of every semester to motivate them to perform their roles in an efficient way.
- Faculties are appraised through a well-defined performance monitoring mechanism, so that working is made performance centric.
- Faculty is deputed to other institutes as examiners, for paper setting and evaluation which gives the platform to develop a healthy relationship with other institution faculties.
- Several motivational and refresher courses are organized for the faculty, enabling the faculty to adopt and face the real time challenges.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

The institution adopts a mechanism of self-appraisal of teachers and comprehensive evaluation of teachers by Head of the department and the students.

- Student's feedback about the faculties is taken twice a semester and is integrated with Head of the department assessment.
- And also the faculties are measured through a mechanism called API (Academic performance Index) where a committee is formed at the college level. And those

committee members record the marks for the parameters specified in the mechanism for all individual faculties in the institution.

- A faculty is given a self-appraisal form once in a year and the motivation is such that the entire faculty should publish at least one research paper per semester.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

- Review of the performance appraisal reports by the management enables to know the strengths and weakness of the faculty and the system in overall.
- Knowing the competency of the staff will lead to efficient work allocation and effective results.
- Any grievances or shortfalls or suggestion raised by the staff is discussed at the management level and appropriate corrective measures are initiated.
- Any major decisions or strategies are communicated to the stake holders through formal and informal meetings.

6.3.5 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

- Teaching staff and non-teaching are given maternity and sabbatical leaves are provided to the employees.
- Provident Fund & ESI scheme are provided for all the eligible employees.
- The Co-Operative society has been established with the objective of helping its members in the purchase of books, stationary and all other general requirements, at moderate rates.
- Health check-up and other medical facilities are provided for the employees and their family members at concessional rate in BGS Global Institute of Medical Sciences hospital, which is a sister institution.
- On many occasions management has extended financial support to its staff during medical emergencies and critical illness.
- Transportation facility is provided to the desired employees at concessional rates for their regular commute to work. It is also extended for faculty in cases of travelling for assigned work. If not, staff can also claim conveyance charges for the same.
- The registration fee to attend conferences and workshops is reimbursed to faculty of excellence.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

- Faculties are provided special leaves for pursuing their research.
- Faculties are provided with training with latest technology.

- Appraisal is based on the Academic Performance Index (API) also yearly increments in salary are given to the faculties.
- To retain the eminent faculty, leave facilities, infrastructural facilities, uniform HR policies and transparent administration are followed.
- Conducive working environment is created.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the Institutional mechanism to monitor effective and efficient use of available financial resources?

The financial resources of the Institution are sufficient. Department heads prepare the budget proposal based on their requirements and submit to the Principal every academic year. BOG reviews the budget proposals and approve accordingly. The purchase will be made strictly according to the given budget proposal. If any deviation occurs in the budget, respective HODs have to address the issue and give justification so that, subsequently the same will be approved. Following this procedure, unnecessary purchases are avoided and the available funds are effectively utilized.

6.4.2 What are the Institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

- The institution has constituted mechanism for internal and external audit.
- The internal audit is carried out by a team of senior faculty members at the first level to monitor the efficient utilization of the resources.
- At the second level, agency of certified Chartered Accountants is appointed by the management to perform the audit.
- The external audit is carried out by government auditors as per the provisions of the Karnataka Government rules and regulations by the office of the Accountant General as necessity rises.
- The internal audit is up to date and completed for the last financial year 2015-16.
- There were no serious objections raised by the auditors. Some minor discrepancies and suggestion were raised and all that are sorted out.

6.4.3 What are the major sources of Institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

The major sources of institutional receipts/funding are

- Students' tuition fees
- Funding received from various agencies towards research projects
- Funding received from consultancy

6.4.4 Give details on the efforts made by the Institution in securing additional funding and the utilization of the same (if any).

Institution is self-sufficient in financing

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC).

a. Has the Institution established an Internal Quality Assurance Cell (IQAC)? If "yes", what is the Institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

SJBIT is yet to frame IQAC. However, SJBIT has framed Total Quality Management Team (TQMT) for implementing and monitoring the overall activities in the departments

It has contributed in institutionalizing the quality assurance processes as follows:

1. Routine Meetings of TQMT (minimum of two per academic year) is conducted with fixed Agenda depending on the feedback received from various stakeholders during the past semesters.
2. Discussions are held in a detailed manner by taking into consideration suggestions and advise of all the members of TQMT.
3. Conclusions drawn out of these meeting are placed before the Institution Governing Council for its deliberation on the same and final approval.
4. Most of the IQAC decisions are almost 90% is approved by the Management during Governing Council Meeting.
5. The External Members are senior academicians of the level of former Vice Chancellors and they have been contributed significantly in overall Policy making of the academic development of the Institution.
6. Past / Present students as the major stakeholders in overall decision making and policy framing of the Institution. Their feedback is very valuable and hence given immediate weighable during the IQAC deliberation.
7. Senior Staff members of each department are members of IQAC and therefore, they represent each and every faculty in their respective departments. Preparation for IQAC meeting actually starts with a discussion amongst faculty of the department and outcomes of these meetings is brought out during the IQAC meeting by the senior faculty representative.

b. How many decisions of the IQAC have been approved by the management authorities for implementation and how many of them were actually implemented?

"TQMT in place of IQAC"

- Regularity in the classes.
- Analysis of evaluation of internal examination.

- Enhancement in infrastructure facilities for class rooms, laboratories and library reading room.

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

NIL

d. How do students and alumni contribute to the effective functioning of the IQAC?

IQAC has students as its members. IQAC interacts with the student members as well as alumni for their feedback on effective functioning of the IQAC. Alumni give the suggestions about industry expectations. Students also share the academic and co-curricular requirements with IQAC.

e. How does the IQAC communicate and engage staff from different constituents of the Institution?

"TQMT in place of IQAC"

TQMT is constituted wherein, the faculty members representing all the departments are the members. The members in turn communicate the proceedings of the meetings and resolutions made to the faculty members of the department during departmental meetings.

6.5.2 Does the Institution have an integrated framework for Quality assurance of the academic and administrative activities? If "yes", give details on its operationalization.

Yes, the institute has an integrated framework for Quality assurance of the academic and administrative activities. It is achieved through integration of quality system manual and quality system procedure to fulfill the requirements. Institute is having Total Quality Management Team (TQMT) which conducts internal quality audit for all the departments. Each activity is given weightage and based on this departments are graded and necessary actions are taken.

6.5.3 Does the Institution provide training to its staff for effective implementation of the Quality assurance procedures? If "yes", give details enumerating its impact.

Yes, the senior faculty members of the Institution are permitted to undergo the audit procedure to enable them to perform the internal audit impartially. Further, all the staff members are also trained at the department level.

6.5.4 Does the Institution undertake Academic Audit or other external review of the academic provisions? If "yes", how are the outcomes used to improve the Institutional activities?

Yes, the academic activities are monitored through the internal quality audits, academic review meetings and finally the result analysis meeting. The Institution has appointed senior faculty members as academic auditors who are

assigned to carry out the academic audit in the departments. The observations during the audit are taken to Principal's knowledge for discussion.

6.5.5 How is the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

Apart from the audit done through the academic audit committee the internal quality assurance mechanism ensures the institution complies with the requirements of the regulatory authorities.

6.5.6 What Institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

Institution has mechanism whereby the students give feedback on teachers on various parameters. Parameter wise and aggregate score is analyzed and counseling/ guidance of the faculty for improvement is done by the Head of the department & senior faculty members in case of low score. The Appraisal report of each faculty is reviewed and corrective actions are instituted to improve the performance. Regular monitoring on the progression of the syllabus is exercised by the Head of the department.

Evaluation Plan: Institution conducts internal assessments as scheduled in Academic Calendar. The evaluated answer sheets are shown to the students with proper feedback and discussion by concerned Faculty members. Internal assessment also incorporates marks of home assignments/ presentations which are given to every student by the respective subject teacher at the commencement of semester.

Student's progression has significantly improved year on year in terms of better campus placements, university ranks & overall results, funded projects, research publications, entrepreneurial ventures, etc.

6.5.7 How does the Institution communicate its quality assurance policies, mechanisms and out comes to the various internal and external stakeholders?

The Institute communicates quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders in the following manner:

- Internal and external Audit copies are made available to all faculty and staff members.
- Copies of Minutes of Meetings are circulated to all the concerned.
- The communication is also ensured by displaying notices and circulars on the notice boards. Details are also uploaded on institute's website for external stakeholders.

CRITERION VII

7 INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the College conduct a Green Audit of its campus?

Institution expresses its commitment to sustainability in many ways. It has taken a number of positive steps to reduce its environmental impact. The college conducts the Green Audit every year and strives to maintain eco-friendly atmosphere in the campus. The institutions ensures the green environment by establishing separate maintenance department, the maintenance team takes care of maintain the lawn and plantations by employing gardeners and sweepers.

The intention of organizing Green Audit is to upgrade the environment condition in and around the institution. It is carried out with the aid of performing tasks like solid waste management, energy conservation, and sewage treatment plant to turn into a better environmental friendly institute.

7.1.2 What are the initiatives taken by the College to make the campus eco-friendly?

- **Energy Conservation:**
  - While planning the college building construction, care has been taken not to uproot any tree. Construction is done preserving the trees as they are.
  - Glass is used in most offices for effective light and reducing electricity consumption.
  - Enough care is taken to reduce the use of electrical energy for lighting and ventilation.
- **Use of Renewable Energy**
  - *Solar:* water heaters are installed in the hostels.
- **Water harvesting:**
  - Rain water harvesting is done.
  - The waste water is being recycled to a limit where it can be used for the plantation & recycling standard procedures are followed. The Capacity of the existing waste water treatment plant in the campus is 60KLD.

- ***Paperless environment****:* is encouraged with extensive use of E-communication.
- ***Hazardous waste management:*** As such no hazardous waste is generated and chemical waste is disposed properly. Other than this the recyclable garbage

waste and non-recyclable wastes are dumped in specified containers / dustbins. A separate agency is dealing with waste collection and its proper disposal

- ***Plantation:*** is done on each building and playgrounds are surrounded by large green lawns, and plants which maintain healthy and balanced environment. The Gardeners are taking care of the trees and plants in the college campus.
- ***E-waste management:*** The obsolete computers and other wastes generated from the electronic equipment are auctioned to authorized e-waste dealers and the hazardous materials in that equipment are removed and disposed as per norms.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

Initiatives for students

The Bright students will be identified from each class and encourage them to do the project which leads to research. This activity helps to develop the attitude of the students for the research and also apply the result of their work further in their career.

- **Solid waste management at the campus**

  Solid Waste Management is an area that is drawing a lot of attention in urban areas. It is acknowledged that while the problem is acute, the financial support is inadequate. This project was conceptualized to demonstrate what could be done with waste generated locally, with minimal investments. This model is expected to provide significant impetus to the eco-friendly initiatives in the institution. It helps in evaluation of type, amount of food waste and generation for various purposes.

- **Inception of Center for Excellence-Bosch-Rexroth**

  1. To bridge the gap between academic institution and the industry
  2. To give an open call for innovation competition that will address the problem or need of the common people
  3. To identify funding agencies that will promote product development
  4. To examine the viability for patenting and promoting the products in the market and
  5. To involve staff and students from different years of study for break free research work and encourage participation in national and international level product design and development contests

- **Initiative to business incubator by Meizu**

  Such a bee hive of research activity has inevitably impacted the teaching – learning process.

  There has been paradigm shift in teaching methodology from the routine chalk and talk method to interactive modes such as lecture cum discussion, lecture cum demonstration, case studies, think-pair-share and the like to

augment the out-of-the-box thinking of the students. Capacity building of the teachers consummate with the diverse methods of teaching has been accomplished by organizing

- **Impetus has been given to E- learning using IOS, Apple.**
  - Courseware and animation videos
  - Technical seminars and Mini-Projects have been introduced in every semester to instill analytical thinking, innovative attitude and creativity.
  - Value added courses have been augmented to lend support to the knowledge acquirement.
  - The library has been restocked with relevant books and journals- both paper and electronic forms.
  - Slow learners' capacity is boosted by coaching and improvement classes and effective mentoring by the mentors.
- **Decentralization & Empowerment through various committees**

  Around 30 committees have been constituted by drawing faculty members from all the departments for smooth functioning.

7.3 Best Practices

7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the university.

The Institution has been practicing series of good practices ranging from academics to co-curricular to extra-curricular to administration.

Best Practice 1:

1. Title of the Practice

Proctor System

2. Goal

To solve the academic and administrative problems faced by students, and also to help in solving personal problems, if any. System is also responsible for maintaining overall discipline.

3. The Context

Due to busy life style and the academics schedule, students become mentally stressed and weak. To monitor and guide them to face the internal and external examinations and to score well, monitoring is needed.

4. The Practice

Every faculty in all the department are allotted about 20 students. Who are monitored and counseled thrice in a semester, additional counseling is done if

necessary. Mentor will be in continuous interaction with the parents and keep updating about their wards performance in the college. Every semester parents meeting will be conducted. Mentors also guide their students about their opportunities for higher educations.

5. **Evidence of Success**

Some of the students are really benefitted by this and are improved in the studies and also have cleared their backlogs.

6. **Problems Encountered and Resources Required**

Requires experienced external counselors by profession to handle the mentally weak and rigid students.

7. **Contact Details**

Name of the Principal: Dr. PUTTARAJU
Name of the Institution: SJB Institute of Technology
City: Bengaluru, Karnataka
Pin Code: 560060
Accredited Status: Yet to Apply
Work Phone: 080 28612445/46
Fax: 080 28612651
Mobile: 9008719999
Website: www.sjbit.edu.in
Email: **principal@sjbit.edu.in**

Best Practice 2:

1. **Title of the practice**

HRD training

2. **Goal**

The Training and Placement Cell at our institution guides and helps the students in securing jobs with their knowledge and achievements, by organizing campus drives and exploring various avenues for their placements. The Placement Cell works to ensure that the recruitment process is successful for the students of our institution.

3. **The Context**

This concept was originated after the observation and study that there was a need for conducting value added training programmers and enhance the employability of the students, and also to assist the development of the students with balanced set of technical skills, interpersonal skills and soft skills, and with a positive attitude of life.

4. **The Practice**

Continuous placement training is offered to equip the students on

personality development, communication, soft skills, confidence building, interview skills, and tests of reasoning, aptitude, by experts in the respective fields.

5. **Evidence of Success**

There is an increase in the total number of offers made each year. The overall impact of all this has resulted into many reputed companies visiting our campus for the recruitments.

6. **Problems Encountered and Resources Required**

Initially the students did not take active part in the activities as HRD training is not a part of the university guidelines. Lots of efforts and counseling had to be done to make the students realize the importance of taking active part in all HRD activities.

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3. EVALUATIVE REPORT OF DEPARTMENT

I. BASIC SCIENCES AND HUMANITIES

1. Name of the department

Basic Sciences (First Year, Common for all branches)

2. Year of Establishment

2001

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

- UG (BE I & II semesters for all branches)
- Ph. D (Mathematics, Physics)

4. Names of Interdisciplinary courses and the departments/units involved

Not Applicable

5. Annual/ semester/choice based credit system (programme wise)

Semester Scheme & Choice Based Credit System

6. Participation of the department in the courses offered by other departments

Not Applicable

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Not Applicable

8. Details of courses/programmes discontinued (if any) with reasons.

Not Applicable

9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	03	03
Associate Professors	04	04
Asst. Professors	15	15

10. Faculty profile with name, qualification, designation, specialization,

(D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sl. No.	Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D Students guided for the last 4 years
Mathematics:						
1.	Dr. Padmaja Venugopal	Ph. D	Prof. & HOD	Computational Astronomy	21	01
2.	Geetha Karanth	M.Sc, M. Phil	Assoc. Prof.	Graph Theory	14	--
3.	Poornima M	M.Sc, M. Phil, (Ph.D)	Assoc. Prof.	Graph Theory	12	--
4.	Pushpa S	M.Sc, M. Phil	Asst. Prof.	MHD	13	--
5.	Balachandra P	M.Sc, M.Phil, (Ph.D)	Asst. Prof.	Graph Theory	9	-
6.	Geetha B S	M.Sc , (Ph.D)	Asst. Prof.	MHD	7.9	--
7.	Pradeep D R	M.Sc, (M.Phil)	Asst. Prof.	Graph Theory	8	-
8.	Prashanth P	M.Sc	Asst. Prof.	MHD	7.9	-
9.	Varun V L	M.Sc , (Ph.D)	Asst. Prof.	Graph Theory	5	-
10.	Chaitra A C	M.Sc	Asst. Prof.	Graph Theory	5	-
Chemistry:						
11.	Dr. Jaydev	Ph. D	Prof. & HOD	Chemistry	24	04(guiding)
12.	Dr. Banu prakash	Ph. D	Assoc. Prof.	Inorg. chemistry	12	--
13.	Savitha H S	M.Sc, M. Phil, (Ph.D)	Asst. Prof.	Phy. chemistry	8	--
14.	Parmesh M S	M.Sc, M.Phil, (Ph.D)	Asst. Prof.	Phy. chemistry	9	--
15.	Kiran T	M.Sc, M.Phil, (Ph.D)	Asst. Prof.	Org. chemistry	9	-
16.	Chenthana M V	M.Sc, M. Phil	Asst. Prof.	Phy. chemistry	15	--
Physics:						
17.	Dr. Doreswmy	Ph. D	Prof. & HOD	solid state physics	12.8	5(guiding)
18.	Roopa D R	M.Sc, M. Phil	Assoc. Prof.	solid state physics	14.2	--
19	Dr.Janeshwar DM	Ph.D	Assoc. Prof.	Electronics	13	--
20.	Shamanth Kumar	M.Sc, M.Phil, (Ph.D)	Asst. Prof.	Molecular physics in spectroscopy	7.6	--
21.	Kumar H H	M.Sc, M.Phil	Asst. Prof.	Electronics	4.2	-
22.	Monika D L	M.Sc , (Ph.D)	Asst. Prof.	Condensed matter of physics	4.3	--

11. List of senior visiting faculty

Nil

12. Percentage of lectures delivered and practical classes handled (programme

wise) by temporary faculty

Nil

13. Student -Teacher Ratio (programme wise)

15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No.	Designation	Sanctioned	Filled
1	Technical staff	6	6

15. Qualifications of teaching faculty with DSc / D.Litt/ Ph.D/ MPhil / PG.

As mentioned in the serial no. 10 above

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Sl. No.	Name of the faculty	National	International	funding agency	grants received
1	Dr. Padmaja Venugopal	01	-	INSA	1,80,000

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

As mentioned in Sl. No. 16

18. Research Centre /facility recognized by the University

Mathematics and Physics - Visvesvaraya Technological University

19. Publications

a) **Publication per faculty:** Mathematics: 1.9, Physics: 7.25, Chemistry: 2.3

Sl. No.	Faculty name	Year	Journal /conference	National /international	Impact factor
1.	Dr. Padmaja Venugopal	2016	Indian Journal of History of Science	International	-
2.	Varun V L	2016	NCSER	National	-
3.	Geetha B S	2016	RAAS	National	-
4.	Poornima M	2015	International Journal on Advanced Computer Theory And Engineering	International	**1.64**
5.	Balachandra P	2015	IJECET	International	-
6.	Balachandra P	2015	IJESR	International	-
7.	Varun V L	2015	International Journal of Non-Linear Mechanics, Pergamon	International	**1.64**
8.	Varun V L	2015	Acta Mechanica, Springer Vienna	International	**1.64**

9.	Dr.Padmaja Venugopal	2014	Journal of Applied Science, Engineering & Technology	International	-
10.	Dr. Padmaja Venugopal	2014	Indian Journal of History of Science	International	-
11.	Dr. Padmaja Venugopal	2014	La Pensee,France	International	-
12.	Dr. Jaydev	2014	IOSR/JESTFT	International	**3.8**
13.	Dr. Padmaja Venugopal	2013	Ganitha Bharathi	International	-
14.	Dr. Jaydev	2013	IJSER	International	**1.123**
15.	Dr. Jaydev	2012	IJERA	International	**1.69**
16.	Dr. G Banuprakash	2012	Ultra Chemistry	International	-
17.	Dr. G Banuprakash	2012	Journal of Electro chemical science	International	-
18.	Dr. G Banuprakash	2017	International research journal of pharmacy	International	-
19.	Dr. B.H Doreswamy	2013	Research on Chemical Intermediates	International	
20.	Dr. B.H Doreswamy	2013	Acta Crystallographica Section E	International	0.347
21.	Dr. B.H Doreswamy	2014	Acta Crystallographica Section E	International	0.347
22.	Dr. B.H Doreswamy	2014	International Scientific Journal on Science Engineering & Technology	International	
23.	Dr. B.H Doreswamy	2014	Bioinformation	International	
24.	Dr. B.H Doreswamy	2014	International Journal of Research in Engineering and Technology	International	
25.	Dr. B.H Doreswamy	2016	Acta Crystallographica Section E	International	0.347
26.	Dr. B.H Doreswamy	2016	Acta Crystallographica Section E	International	0.347
27.	Dr. D.M. Jnaneshwara	2012	Materials Science Forum	International	--
28.	Dr. D.M. Jnaneshwara	2013	Journal of Magnetism and Magnetic Materials	International	2.357
29.	Dr. D.M. Jnaneshwara	2013	Journal of Alloys and Compounds	International	3.014
30.	Dr. D.M. Jnaneshwara	2014	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	International	2.653
31.	Dr. D.M. Jnaneshwara	2014	Journal of Magnetism and Magnetic Materials	International	2.357
32.	Dr. D.M. Jnaneshwara	2014	Journal of Alloys and Compounds	International	3.014
33.	Dr. D.M. Jnaneshwara	2014	CSVTU Journal of Advanced Materials Engineering,	International	--
34.	Dr. D.M. Jnaneshwara	2016	Journal of Dyes and Pigments,	International	4.055
35.	Dr. D.M. Jnaneshwara	2016	Journal of Displays	International	1.903

36.	Shamanth kumar	2013	Acta Crystallographica Section E	International	0.347
37.	Shamanth kumar	2014	Acta Crystallographica Section E	International	0.347
38.	Shamanth kumar	2015	Acta Crystallographica Section C	International	--
39.	Shamanth kumar	2016	Acta Crystallographica Section E	International	0.347
40.	Shamanth kumar	2016	Acta Crystallographica Section E	International	0.347
41.	Shamanth kumar	2016	ICMST	International	--
42.	D L Monika	2012	Nanomaterials synthesis and characterization	International	--
43.	D L Monika	2013	Spectrochemica Acta part A	International	2.693
44.	D L Monika	2014	Chemical Engineering Journal	International	5.43
45.	D L Monika	2014	RSC Advances	International	3.9
46.	D L Monika	2014	Journal of Luminescence	International	2.7
47.	D L Monika	2014	CSVTU Journal of advanced materials engg.	International	--
48.	D L Monika	2014	CSVTU Journal of advanced materials engineering	International	--
49.	D L Monika	2015	Journal of Alloys and Compounds	International	3.1

20. Areas of consultancy and income generated

Nil

21. Faculty as members in a) National committees b) International Committees c) Editorial Board

Nil

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

b) Percentage of students placed for projects in organzations outside the institution i.e. in Research Laboratories/Industry/Other agencies

Not Applicable

23. Awards / Recognitions received by faculty and students

Sl. No.	Name of the faculty/student	Faculty/ Student	Distinction /award earned
1.	Geetha Karanth	Faculty	2nd rank with Distinction in PG
2.	Savitha H S	Faculty	2nd rank with Distinction in PG
3.	Dr. Banuprakash G	Faculty	Indira Gandhi Priyadarshini Award in 2013
4.	Mahantesh, Sagar M C, Krishna J Desai	Student	1st place in Hackathon (2017) at JSSATE.
5.	Mahantesh, Sagar M C,	Student	2nd place in mini makers fair (2017) at

	Krishna J Desai		JSSATE.
6.	Hemanth & team	Student	2nd place in concrete fair (2016) at RVCE.
7.	Mahantesh, Sagar M C, Krishna J Desai	Student	2nd place in circuit designing (2016) at JSSATE.

24. List of eminent academicians and scientists/Visitors to the department

Sl. No.	Name of the academicians/Visitors	Purpose of Visit	Year
1.	Prof. J Srinivasan, IIsc	Talk on what can Engg. Do about climat change	2016-17
2.	Dr. S Balachandra Rao	Seminar on Development of Mathematics in India	2015-16
3.	Dr. B N Nagabhushan	Talk on Nano materials	2015-16
4.	Dr. Rajesh Kocchar	Talk on Ancient India Astronomy and Maths	2014-15
5.	Mr. Vinod Lakkappan	Seminar on DNA Analysis	2014-15
6.	Dr Keshav A Bulbule	Talk on Resource by Recycling on used Li-ion Batteries	2013-14

25. Seminars/ Conferences/ Workshops organized and the source of funding

Science Exhibition was started in the year 2013 -14. It is a platform for the students to exhibit their technical talents and to give a shape to their creative and innovative ideas. Every year, we come across at least 3 or 4 works models which were appreciated by the judges and few teams have won a couple of prizes from the fest conducted at JSS, & Dr. AIT etc.

Sl. No.	Name of the Event	Year	No of exhibits	Purpose
1	Science Exhibition 4	2016 -17	28	To provide a platform for the first year students to exhibit their talents
2	Science Exhibition 3	2015-16	25	
3	Science Exhibition 2	2014-15	10	
4	Science Exhibition 1	2013-14	36	

26. Student Profile programme/course wise:

Name of the course/programme	Applications received	selected	Enrolled		Pass percentage
			*M	*F	
Provided course wise in respective depts.					

27. Diversity of Students

Sl. No.	Year	Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
1.	2012-13	B.E.	60.64%	39.36%	Nil
2.	2013-14	B.E.	65.88 %	34.11 %	Nil
3.	2014-15	B.E.	70.84 %	29.16 %	Nil
4.	2015-16	B.E.	76.76 %	23.24 %	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, civil services, Defense services, etc

Not Applicable

29. Student Progression

Not applicable

30. Details of Infrastructural facilities

a) Library: Yes

b) Internet facilities for Staff & Students: Yes

c) Class rooms with ICT facility: Yes

d) Laboratories: Yes

31. Number of students receiving financial assistance from college, university, government or other agencies

Nil

32. Details on student enrichment programmes special lectures/ workshops/ seminar) with external experts

Sl. No.	Guest Speaker	Organization and Designation	Topic of Discussion	Year
1.	Dr. S Balachandra Rao	Director, Bharatiya Vidya bhavan Bangalore	Development of Mathematics in India	2015-16
2.	Dr. B M Nagabhushan	Prof. & Head, Dept. of Chemistry, MSRIT	Nano materials & Applications	2015-16
3.	Dr. Rajesh Kocchar	Professor, Punjab University Chandigarh	Ancient India Astronomy and Mathematics	2014-15
4.	Mr. Vinod Lakkappan	Scientific Officer, Forensic Science Laboratory Bangalore	DNA Analysis	2014-15
5.	Dr Keshav A Bulbule	Coordinator, PG Studies in Chemistry KLE College Bangalore	Resource by Recycling on used Li-ion Batteries	2013-14

33. Teaching methods adopted to improve student learning

List of the teaching methods adopted by the faculty for different Programmes

- Conventional Class Room Teaching
- Power Point presentation in the classroom
- e-learning
- Beyond syllabus discussion
- Special classes (both Remedial/Coaching class, and Tutorial)
- Students' Technical Seminars/presentations

- Quiz and allied competitions
- Assignments (written/oral, solving on board)

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Visits to orphanage and provide support for the development of children
- Faculty trip
- Conducting and Participating in Blood donation camps
- Community service
- NSS Camp (Village adaption)
- Tree Plantation
- Independence Day Celebration

35. SWOC analysis of the department and future plans

i) Department of Mathematics

Strength of the department:

- Well qualified and experienced faculty members ,committed to improve the quality of students
- Regular publication of research papers by faculty members
- Excellent academic results of the students
- Department conducts Science exhibition annually and encourages the students to develop their own scientific models.
- Our team of students participated in JVTM and won laurels to the Institute.
- Institute encourages academic up gradation of faculty members by supporting them to pursue Ph.Ds. Four members have registered for their Ph.Ds in reputed Universities.
- Experts from diverse fields are invited for special lectures under Science Forum to enable the students to have glimpse of developments in other fields
- Well co-ordinated team of faculty members channelized to achieve a common goal

Weaknesses for the Department

- Interaction with Industries and consultancy to be improved though not applicable for Dept. of Mathematics.

Opportunities for the Department

- To improve team research
- To make aware the existing opportunities for students and to equip them to take up challenges globally.

Challenges for the Department:

- Paucity of time for completion of VTU syllabus during the prescribed tenure.
- To deal with students who are not inclined towards the course

ii) Department of Chemistry

A framework for analyzing a firm's strengths, weaknesses, opportunities, and challenge.

Strength of the department:

- Quality (Best institute according to Data Quest)
- personnel (highly qualified and experienced faculty)
- Scope for research
- Expertise in teaching non-traditional students
- Comprehensiveness, quality, and growth of education
- Full-time faculty teach most classes, and there is a strong bond and a high level of interaction between faculty and students
- Good infrastructure
- Wi-Fi connectivity in campus
- Expertise in teaching non-traditional students
- Best practices (recognized by AICTE)
- Department library
- Good Infrastructure and ambient environment for learning
- Well Experienced, Dedicated, and Committed Faculty and Staff
- Regular conduction of workshops for faculty and Students

Weaknesses for the Department

- Required Research & Development cell in the Department.

Opportunities for the Department

- Department Visibility at national-level
- Strength of recruiter relationships
- Planning to set up Research & Development cell in the Department.

iii) Department of Physics

Strength of the department

- The strength of the department lies in highly dedicated, hardworking and motivated faculty members
- The department is equipped with advanced level physics laboratory and state of the art research facilities
- The faculty members are presenting papers in international conferences and publishing papers in refereed international journals.

Weaknesses for the Department

- The Department needs a separate Research lab so as to be able to conduct

faculty - student interaction, seminars and invited talks.

Opportunities for the Department

- To keep pace with innovative developments in teaching and research
- To enhance the multidisciplinary research

Challenges for the Department:

- To strive hard for achieving excellence
- Enhance the sense of community among students in the graduate programs.

II. Electronics & Communication Engineering

1. Name of the department

Electronics & Communication Engineering

2. Year of Establishment

Level/Degree	Course	Year of Establishement
UG/BE	Electronics & Communication Engineering	2001–02
PG/M.Tech	VLSI Design & Embedded Systems	2008–09
	Digital Communication & Networking	2009–10
	Digital Electronics	2011–12
Ph.D	Research centre	2008–09

3. Names of Programmes/Courses offered

i) B.E in Electronics and Communication Engineering

ii) M.Tech in VLSI design & Embedded System

iii) M.Tech in Digital Communication & Networking

iv) M.Tech in Digital Electronics

v) Ph.D.in Electronics and Communication

4. Names of Inter disciplinary courses and the departments/ units involved

Nil

5. Annual /semester/ choice based credit system (programme wise)

Semester system /CBCS for UG from academic year 2015-16 and PG from academic year 2016-17

6. Participation of the department in the courses offered by other departments

Nil

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

8. Details of courses/programmes discontinued (if any) with reasons

Nil

9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	05	06

AssociateProfessors	10	08
Asst.Professors	20	21

10. Faculty profile with name, qualification, designation, specialization (D.Sc./ D.Litt. / Ph.D. / M.Phil.etc.)

Sl. No.	Name	Designation	Qualification	Specialization	No.of Years of Exp.	No.of Ph.D. Students Guided for the Last 4 years
1.	Dr. Nataraj K. R.	Prof. & HOD	Ph.D	VLSI Design , Embedded System , Communication and Networking	22.3	4 (guided) 6 (guiding)
2.	Dr. K. V. Mahendra Prashanth	Prof.	Ph.D	Image processing and Biomedical Engineering	23.8	2 (guiding)
3.	Dr. Rekha K. R.	Prof.	Ph.D	VLSI Design , Embedded System and Communication	20.0	4 (guiding)
4.	Dr. Chandrappa D. N.	Prof.	Ph D	Signal and Medical Image processing	18.02	4 (guiding)
5.	Dr. Vijayakumar T.	Prof.	Ph.D	VLSI & IP	23.1	2 (guiding)
6.	Dr. Somshekar K.	Prof.	Ph D	Image processing	20.00	4 (guiding)
7.	Dr. Mallikarjuna Swamy	Assoc. prof.	Ph D	VLSI and Communication	6.2	2 (guiding)
8.	Dr. Ravikumar A. V.	Assoc. prof.	Ph D	Image processing	11.10	2 (guiding)
9.	Dr. Mahantesh K.	Assoc. prof.	Ph.D	Image processing	9.10	3 (guiding)
10.	Dr. Komala M	Assoc. prof.	M.Tech, (Ph D)	VLSI & Embedded systems	13.9	-
11.	Hamsaveni N	Assoc. prof.	M.Tech, (Ph D)	VLSI & Embedded systems	14.10	-
12.	Shilpa K. Gowda	Assoc. prof.	M.Tech, (Ph D)	Digital communication & Netorking	12.1	-
13.	Chetana R.	Assoc. prof.	M.Tech	DEC	11.8	-
14.	Bhaskar B.	Assoc. prof.	M.Tech, (Ph D)	DC	12.4	-
15.	Jagganath Rao V S	Asst. Prof.	M.Tech	DE	35	-

16.	Geetha G. P.	Asst. Prof.	M.Tech	DEC	7.10	-
17.	Latha S.	Asst. Prof.	M.Tech	VLSI & Embedded systems	9.7	-
18.	Girish J. R.	Asst. Prof.	M.Tech	VLSI & Embedded systems	7.4	-
19.	Nithya S.	Asst. Prof.	M.Tech	VLSI & Embedded systems	7.3	-
20.	Anitha P.	Asst. Prof.	M.Tech, (Ph D)	Electronics	10.10	-
21.	Supreeth HSG	Asst. Prof.	M.Tech	Industrial Electronics	5.11	-
22.	Ranjitha A. S.	Asst. Prof.	M.Tech	VLSI & Embedded systems	4.10	-
23.	Rekha S.	Asst. Prof.	M.Tech	VLSI & Embedded systems	4.8	-
24.	Shakunthala C. H.	Asst. Prof.	M.Tech	Digital Electronics & Communication	4.10	-
25.	Pushpalatha G.	Asst. Prof.	M.Tech	VLSI & Embedded systems	7.10	-
26.	Divyashree Y. V.	Asst. Prof.	M.Tech	VLSI & Embedded system	4.10	-
27.	Roopa K. Swamy	Asst. Prof.	M.Tech	VLSI & Embedded system	5.5	-
28.	Uma S.	Asst. Prof.	M.Tech	Power Electronics	3.10	-
29.	Sandesh Kumar B V	Asst. Prof.	M.Tech	Signal Processing & VLSI	3.10	-
30.	Jyothi H	Asst. Prof.	M.Tech	Digital Electronics & Communication	2.9	-
31.	Sowmya B J	Asst. Prof.	M.Tech	Digital Communication	5.9	-
32.	Anushree R	Asst. Prof.	M.Tech	Digital Electronics	1.10	-
33.	Supriya M	Asst. Prof.	M.Tech	Digital Electronics & Communication	1.10	-
34.	Ankith J	Asst. Prof.	M.Tech	Digital Electronics & Communication	1.10	-
35.	Geethanjali	Asst. Prof.	M.Tech	VLSI & Embedded systems	1.0	-

11. List of senior visiting faculty

Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Nil

13. Student-Teacher Ratio (programme wise):

B.E (Electronics & Communication Engineering)	15:1
M.Tech in VLSI Design & Embedded Systems	12:1
M.Tech in Digital Communication & Networking	12:1
M.Tech in Digital Electronics	12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and Filled:

Sl. No.	Designation	Sanctioned	Filled
1	Technical staff	16	17

15. Qualifications of teaching faculty with DSc / D.Litt/ Ph.D/ MPhil/ PG.

As per the table in sl. No. 10

16. Number of faculty with on going projects from a) National b) International funding agencies and grants received.

Sl. No.	Project Title	Primary Investigation/ Designation with Dept.	Funding Agency	Amount	year
1.	Centre for Excellence in Design Development and Evaluation of Hybrid ICE electric four wheeler vehicle with Solar Energy Charging Scheme	Dr.Rekha K R /Professor/ Dept. of ECE	KSTePS	30,00,000	2015-16
2.	Establishing the facility for VLSI and Embedded System Lab (Centre for Simulation Studies)	Dr. K R Nataraj/ Professor/Dep.t of ECE	VGST	20,00,000	2013-14
3.	Investigation of Hybridizzation of Motive Energy for Two Wheelers Using Solar Energy	Dr. K R Nataraj/ Professor/ Dept. of ECE	VTU	6,00,000	2012-13
4.	An approach towards development and analysis of aerial-guided navigation of a ground robot	Dr. Chandrappa D N/ Professor/Dept. of ECE	VGST	40,000	2015-16
5.	Extraction and analysis of EEG signals for the ADHA syndrome-A noval approach	Dr. Mahendra Prasanth K V/ Professor/ Dept. of ECE	KSCST	5,000	2015-16
6.	An Automated human activity recognition in video surveivallance system	Dr. Mahantesh K/ Assoc. Prof./ Dept. of ECE	KSCST	6500	2016-17

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

As mentioned in Sl. No. 16

18. Research Centre/ facility recognized by the University

Research Center is recognized by Visvesvaraya Technological University, Belagavi

19. Publications

a) Publications per faculty: 5.6

Sl. No.	Staff Name	Total Journals/ Conference	International DB	Monogra Ph	Citation Index	I-factor	h-index
1.	Dr. Nataraj K R	25	15	-	53	2.5	4
2.	Dr. Mahendra Prashanth	30	20	-	59	2.0	2
3.	Dr. Rekha K R	20	10	-	27	2.5	3
4.	Dr. D N Chandrappa	15	10	-	42	1	4
5.	Dr. Vijay Kumar T	8	5	-	-	1.5	-
6.	Dr. Somashekar	10	10	-	29	1	3
7.	Dr. Mallikarjuna Swamy	12	1	-	-	-	-
8.	Dr. Ravi Kumar A V	9	8	-	11	1.2	2
9.	Dr. Mahantesh K	14	14	-	18	1.2	3
10.	Hamsaveni N	4	-	-	-	-	-
11.	Komala M	8	4	-	-	-	-
12.	Shilpa K Gowda	5	-	-	-	-	-
13.	Chethana R	4	-	-	-	-	-
14.	Bhaskar B	4	5	-	8	1.2	2
15.	Geetha G P	3	-	-	-	-	-
16.	Latha S	3	-	-	-	-	-
17.	Nithya S	2	-	-	-	-	-
18.	Anitha P	3	3	-	-	-	-
19.	Supreeth HSG	2	-	-	-	-	-

20.	Rekha S	1	-	-	-	-	-
21.	Divyashree Y V	1	-	-	-	-	-
22.	Roopa K Swamy	1	-	-	-	-	-
23.	Uma S	3	-	-	-	-	-
24.	Sandesh Kumar B V	3	-	-	-	-	-

20. Areas of consultancy and income generated:

Sl. No.	Organization	Year	Total Amount Of Revenue In Rs
1.	CETRAT	2016-17	3,94,500/-
		2015-16	5,37,500/-
		2014-15	5,98,750/-
2.	NI Labview	2016-17	1,50,000/-
		2015-16	2,30,582/-
		2014-15	1,00,500/-
		2013-14	60,000/-
3.	Microsoft certification course	2014-15	1,95,000/-

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards.

Sl. No.	Name of the faculty	Name of the journal/ Conference	Role of the faculty
1.	Dr. Nataraj K R	IJAREEIE, IEEE	Reviewer
2.	Dr. Rekha K R	IJRAET	Reviewer
3.	Dr. Mahendra Prashanth	IJNH & IJERT	Editorial Member/ Reviewer Editor-In-Chef
4.	Dr. D N Chandrappa	ICST, IEEE	Program Committee and Reviewer
5.	Dr. Somshekar K	IEEE	Reviewer
6.	Dr. Ravikumar A V	Elsevier (VCIR), MULTIFOUR	Reviewer Editorial Board
7.	Dr. Mahantesh K	Visionnet – Springer ICACCI – IEEE	Reviewer Reviewer

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/ programme.

Academic	Total	No. of In	Percentage

Year	Batches(UG+PG)	house Project Batches	
2015-16	40	35	87.5
2014-15	41	36	87.8
2013-14	40	34	85
2012-13	38	29	76.3
Total Percentage			**84.2**

a) Percentage of students placed for projects in organizations outside the institution, In Research laboratories/ Industry/ otheragencies

Academic Year	Total Batches(UG+PG)	No. of In house Project Batches	Percentage
2015-16	40	5	12.5
2014-15	41	5	12.2
2013-14	40	6	15
2012-13	38	9	23.6
Total Percentage			**15.2**

23. Awards / Recognitions received by faculty and students

Sl. No.	Name	Faculty/ Student	Nature of Recognition
1	Dr. Nataraj K R	Faculty	• Vidya Ratan Award by The Economic for Health & Educational Growth • Best Citizen of India
2	Dr. K V Mahendra Prashanth	Faculty	• Shikshana shilpi award from karnataka gnana vignana samithi • Third place at National level project at Dr. AIT Techno project Exhibition-2016 • Best Project at National Project Exhibition held at MSEC, Bengaluru-2012 • Best Project award at JVT Mela 2016 • Best top two Papers publication
3	Dr. Chandrappa D N	Faculty	• Best Project award at JVT Mela 2016
4	Mr. Sandesh Kumar B V	Faculty	• Bronze medal in wushu (chinese kick boxing) under 75kg category held at karnataka state olympics 2017 held at dharwad

Academic:

Sl. No.	Name	Faculty/ Student	Academic Year	Nature of Recognition
1.	Abhilasha C P	Student	2016	VTU 3rd Rank Holder
2.	Chethan H Kulkarni	Student	2016	VTU 9th Rank Holder
3.	Rashmi C R	Student	2016	VTU 2nd Rank Holder
4.	Mamatha M pandith	Student	2016	VTU 3rd Rank Holder
5.	Preethi A	Student	2015	VTU 2nd Rank Holder
6.	Varsha K S	Student	2015	VTU 10th Rank Holder
7.	Ashwini.S. R	Student	2015	VTU 3rd Rank PG-DCN
8.	Prakruthi H L	Student	2014	Gold Medal 1st Rank, VTU-PG-DE
9.	Veena Bhatt	Student	2013	VTU 3rd Rank Holder
10.	Shankar C	Student	2012	VTU 3rd Rank Holder

Sports:

Sl. No.	Name of the student	Academic Year	Tournament/Venue	EVENTS	Prize Won
1.	Nishchith R Shetty	2012	VTU's Intercollegiate Competitions held at MVJCE, Bengaluru	Wrestling Competitions (96 Kg)	I Place
2.	PRARTHANA PRAKASH K T, V – SEM, ECE	2015	VTU's Inter - Collegiate Archery (M&W) Competitions held at Acharya IT, Bengaluru	Archery Competition 30 Mts	III Place
3.	PRARTHANA PRAKASH K T, V – SEM, ECE	2014	VTU's Inter - Collegiate Archery (M&W) Competitions held at Acharya IT, Bengaluru	Archery Competition 50 Mts	III Place
4.	PRARTHANA PRAKASH K T, V – SEM, ECE	2015	VTU's Inter - Collegiate Single Zone Wt., lifting, Power lifting & Best physique (M & W) Competitions held at GAT, Bengaluru,	Single zone Wt., lifting, Power lifting & Best physique (M & W)	III Place

24. List of eminent academicians and scientists / visitors to the department

Sl. No.	Name of the eminent Personality	Organization	Purpose of visit
1.	Dr. Ashok Rao	Fomer Head, Network project, CEDT, IISC	Technical Talk (Research Methodologies)

2.	Dr. Sudhir Rupangudi	ISIC, (World serve Education)	Demystifying final year Projects
3.	Dr. Srikanth	MCF, Hassan	Technical Talk
4.	Dr. S.C. Dutta Roy	Electrical Engineering, IIT Delhi	Key note speakers for IEEE International Conference for Recent Advances in Electronics and Communication Technologies
5.	Dr. Ashok Rao	CEDT, IISc, Bengaluru	
6.	Dr. Praveen Ramamurthy	Department of Materials Engineering, IISC	
7.	Dr. Shayan G S	Department of Electronic Systems Engineering, IISC	
8.	Dr. Vishal C Ravindra	GE Global Research	

25. Seminars/ Conferences/ Workshops organized & the source of funding Conference a) International b) National

Sl. No.	Year	Title of the Seminars/ Conferences/Workshops	National / Internatinal	Source of funding (self financing / Sponsorship)
International Conferences				
1.	2017	International Conference on Recent Advances in Electroncis & Communication Technology	International	Self sponsored
2.	2016	International Conference on Energy Technology on Internet of Things	International	Institute of Engineers
National Conferences				
3.	2012	1st National Conference on Recent Trends in Electronics and Communication Engineering	National	Self sponsored
4.	2013	2nd National Conference on Recent Trends in Electronics and Communication Engineering	National	Self sponsored
5.	2014	3rd National Conference on Recent Trends in Electronics and Communication Engineering	National	Self sponsored
6.	2015	4th National Conference on Recent Trends in Electronics and Communication Engineering	National	Self sponsored
Workshops				
7.	2012	3 days technical workshop for technical staff	National	Self sponsored
8.	2012	2 days workshop on Robotics	National	Self sponsored
9.	2012	Seminar on embedded systems	National	Self sponsored

10.	2012	Workshop on MATLAB	National	Self sponsored
11.	2012	3 day workshop for technical staff	National	Self sponsored
12.	2013	3 day workshop for technical staff	National	Self sponsored
13.	2013	Robotryst Workshop	National	Self sponsored
14.	2013	Technical Talk	National	Self sponsored
15.	2013	3 day workshop research methodologies and latex	National	Self sponsored
16.	2013	1 day workshop on CadenceOrCAD software by FTD Automation	National	Self sponsored
17.	2013	2 days workshop on Research Methodologies and Latex	National	Self sponsored
18.	2014	5 day workshop on Lab view	National	Self sponsored
19.	2014	4 day workshop on Cadence	National	Self sponsored
20.	2014	2 day workshop on ARM Processor	National	Self sponsored
21.	2014	2 day workshop on ARM Processor	National	Self sponsored
22.	2014	2 day workshop on Cadence tool	National	Self sponsored
23.	2015	3 day workshop on NI lab, Cadence, Verilog and ARM Processor	National	Self sponsored
24.	2015	3 day workshop on NI lab view	National	Self sponsored
25.	2015	3 day workshop on Graphical System Design in Engineering and Technology using NI's Lab view	National	Self sponsored
26.	2015	1 day workshop on Money minded Program	National	Self sponsored
27.	2015	1 day workshop on Advanced UNIX C Program	National	Self sponsored
28.	2015	3 day workshop on ARM Processor	National	Self sponsored
29.	2015	3 day workshop on Research Methodologies and Latex	National	Self sponsored
30.	2015	2 day workshop on Or cadence Pspice	National	Self sponsored
31.	2015	1 day workshop on Application Design Prototyping	National	Self sponsored
32.	2016	6 days FDP on Advanced Digital Electronics System Design by using NI's Lab view	National	Self sponsored
33.	2016	1 day workshop on NI	National	Self sponsored

34.	2016	6 days workshop on Advanced Digital Electronics System Design by using NI's Lab view	National	Self sponsored
Faculty Development Programs				
35.	2014	3 day FDP on ARM CORTEX Processor	National	Self sponsored
36.	2014	3 day FDP on Graphical System Design in Engineering and Technology using NI's Lab view	National	Self sponsored
37.	2012	FDP on Linear Algebra and Signal Processing	National	Self sponsored
38.	2017	Six day FDP on IOT for emerging Engg. Applications	National	Self sponsored

26. Student profile programme/ coursewise:

Name of the Course/ programme	Academic Year	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
UG	2016-17	NA	118	73	45	---
PG (VLSI, DCN, LDE)			15	03	12	---
Ph.D			08	02	06	---
UG	2015-16		115	83	32	98.07%
PG (VLSI, DCN, LDE)			49	23	26	100%
Ph.D			05	03	02	---
UG	2014-15		90	67	23	99.09%
PG (VLSI, DCN, LDE)			45	28	17	97%
Ph.D			06	05	01	---
UG	2013-14		107	75	32	100%
PG (VLSI, DCN, LDE)			47	18	29	100%
Ph.D			--	--	--	---
UG	2012-13		120	86	34	99%
PG (VLSI, DCN, LDE)			51	33	18	---
Ph.D			--	--	--	---

*M=Male *F=Female

27. Diversity of Students

Name of the Course	Year	% of students from the same state	% of students from other States	% of students from abroad
UG	2016-2017	80.5	19.5	Nil
	2015 – 2016	82%	18%	

	2014 – 2015	81%	19%
	2013 – 2014	72%	28%
	2012 - 2013	44%	56%
PG	2016-2017	100	-
	2015 – 2016	100%	-
	2014 – 2015	100%	-
	2013 – 2014	100%	-
	2012 - 2013	100%	-

28. How many students have clearednational and state competitive examinati ons such as NET, SLET, GATE, Civil services, Defense services, etc.?

Academic year	Batch	Performance in Public examination						Total
		GATE	GRE	TOFEL	GMAT	CAT	Etc	
2015-16	2012-2016	4	5	14	-	-	-	23
2014-15	2011-2015	4	2	1	-	-	10	17
2013-14	2010-2014	5	-	-	-	-	5	10
2012-13	2009-2013	-	2	2	1	-	-	5
							Total	**65**

29. Student progression

Student progression	Against %enrolled
UG to PG	15.2 %
PG to M.Phil.	---
PG to Ph.D.	6%
Ph.D. to Post-Doctoral	---
Employed • Campus selection	2013- 95 offers 2014- 98 offers 2015- 90 offers 2016- 116 offers
• Other than campus recruitment	NIL
Entrepreneurship/ Self-employment	15

30. Details of Infrastructural facilities

a) Library

- The department has a library started in 2001 which has 428 volumes of books in various categories and 1178 text books.
- In addition to the above, complimentary copies, CD's, journals, conference proceedings, more than 700 reports are present in the department library.

b) Internet facilities for Staff & Students

- Wi-Fi facility for all the staff and students
- 45 MBPS bandwidth for the department

c) Class rooms with ICT Facility

- Most of the class rooms are provided with projectors and the laboratory has portable projectors.
- Portable speakers and mike are available as teaching tools for the faculty members.
- Over Head Projectors can be availed for the teaching purpose in the class.
- Total 15 projectors are available.

d) Laboratories

The department has laboratories with well equipped computing environment.

Sl. No.	Name of the Lab	Area In Sq.mt.	Major Equipments in the Lab
1.	Analog Electronics	179.2	Cathode ray oscilloscope 20MHz & 30 MHz, Function Generator, Signal Generator, Digital Multimeter, Decade Resistance Box, Decade Inductance Box, Decade Capacitance Box, Analog IC Trainer (Zip Socket), Spring Board, IC Tester, DC Power Supply (DUAL), DC Power Supply (SINGLE), Fixed P/Supply.
2.	Logic Design	179.2	Digital Trainer Kit, Cathode ray oscilloscope 20MHz & 30 MHz, Digital Multimeter, IC Tester, IC Tester
3.	Microcontroller	143.2	Total No. of Systems: 25 (P4),(Lenova Service Pack 3, INTEL CORE 2 DUO, 2.93GHz 2GB RAM,.320GB HDD,AGP CARD 64MB) µC kit, 8051 & Accessories ,Micro tutor (simulator) 10 & MSP430
4.	HDL & VLSI	135	Total No. System: 25 Acer (i3, 6GB RAM, 500GB HDD, 2.93GHz), FPGA kit with Accessories & DSP starter kit, Xlinix 6.3i & 9.2i version,Mat lab tools kit (20 users) MEMS pro 20(users)
5.	Communication LAB	208	CRO, Digital storage CRO, function generator, DC power supply, Microwave test Bench, Fiber optics instruments , DSB/SSB AM transmitter & receiver trainer, QPSK, DPSK Tr., radio receiver, PLL, PCM generator, MIC kits
6.	Power Electronics	179.2	Total No. of Systems: 20 (COMPAQ & HP L 1710 WITH WRITER INTEL CORE 2 DUO, 2.93GHz 1GB RAM,.320GB HDD,),CRO, Power Scope, PE modules, AC, DC motors,DC power supply, Transformers,
7.	µP & DSP Lab	132	Total No. of Systems: 25 (Lenova Service Pack 3, INTEL CORE 2 DUO, 2.93GHz 2GB RAM,.80GB SATA HDD,AGP CARD 64MB) , CCN & DSP Kits, µP Kits
8.	Project Lab / Research Lab	132	Total No. of Systems: 25 (Lenova Service Pack 3, INTEL CORE 2 DUO, 2.93GHz 2GB RAM,.80GB

			SATA HDD,AGP CARD 64MB) ,PLC Trainer kit with simulation, Projector with screen and OHP
9.	NI Lab view	199	NI Equipments & Software, 30Nos Acer Computers : (i3, 6GB RAM, 500GB HDD, 2.93GHz), 06nos HCL Computers (CORE 2 DUO, 2.93GHz 512 RAM,.220GBHDD), Smart Board with projector
10.	Apple lab	99	Processor: 1.6ghz Intel core i5 Memory: 8Gb, 1867Mhz DDR3 Hard Disk:1TB sata disk 0S:osx10.11 Software : X code 7.2.1
11.	Cisco lab	99	Processor: Intel i3 2.93 ghz Memory: 4Gb RAM Hard Disk:500Gb Software:Cisco packet tracer OS:Windows 7-32bit
12.	Texas Instruments lab	99	Intel i3 2.5ghz Memory: 4Gb RAM HDD:500Gb Windows 7-64bit OS:Windows 7-64bit

31. Number of students receiving financial assistance from college, university, Government or other agencies

Sl. No.	Year	No. of Students Belongs to OBC	Total Amount Paid to the OBC Students	No. of Students Belongs to Sc/ST	Total Amount Paid to the Sc/ST Students
1	2015-16	65	1603000	6	2,12,880
2	2014-15	25	4,50,000	10	6,05,260
3	2013-14	20	5,11,270	8	2,88,720
4	2012-13	25	4,50,000	7	2,52,630

32. Details on student enrichment programmes (special lectures/workshops/Seminar) with external experts

Sl. No.	Name of FDP, Workshop, Seminar	Date and month
1.	Two days workshop on Robotics	2nd , 3rd March 2012
2.	Seminar	20th , 21st April 2012
3.	Workshop on MATLAB	28th , 29th April 2012
4.	Three day workshop for technical staff	26th to 28th June 2012
5.	Robotryst Workshop	11th tp 12th Feb 2013
6.	Tech talk	13th Feb 2013
7.	Three day workshop research methodologies and latex	25th to 27th June 2013
8.	One day workshop on Cadence & OrCAD software by FTD Automation	6th Nov 2013
9.	Two days workshop on Research Methodologies and Latex	8th to 9th Nov 2013

10.	Five day workshop on Lab view	28th to 30th Jan 2014
11.	Three day FDP on Graphical System Design in Engineering and Technology using NI's Lab view	30thJan and 1st Feb 2014
12.	Four day workshop on Cadence	3rd to 6th Feb 2014
13.	Two day workshop on ARM Processor	7th to 8th May 2014
14.	Three day FDP on ARM CORTEX Processor	8th to 10th Sept 2014
15.	Two day workshop on ARM Processor	17th to 18th Oct 2014
16.	Two day workshop on Cadence tool	29th to 30th Oct 2014
17.	Three day workshop on NI lab, Cadence, Verilog and ARM Processor	28th to 30th Jan 2015
18.	Three day workshop on NI lab view	5th to 7th Feb 2015
19.	Three day workshop on Graphical System Design in Engineering and Technology using NI's Lab view	5th to 7th May 2015
20.	One day workshop on Money minded Program	25th April 2015
21.	One day workshop on Advanced UNIX C Program	12th May 2015
22.	Three day workshop on ARM Processor	10th to 12th Aug 2015
23.	Three day workshop on Research Methodologies and Latex	29th Sept and 1st Oct 2015
24.	Two day workshop on Orcad, cadence & Pspice	20th to 21st Oct 2015
25.	One day workshop on Application Design Prototyping	3rd Nov 2015
26.	one day workshop on NI Labview	6th May 2016

33. Teaching methods adopted to improve student learning

Bridge Courses have been started for students moving from HSC to Degree College and for the students enrolling for PG Courses. **Remedial teaching** and intensive coaching is offered to students who need extra and special attention.

Placement Classes have been started for students from 1st year itself to develop aptitude and personality which is very much helpful for their placement.

Mini projects

To give hands on experience and encourage student creativity, students are made submit projects in interested fields. Reports are also made submitted on the same so that they get an idea of report making and planning.

Certificate Course for Technical development

Short-term Certification course are provided to students like NIE, app development, android development, PHP, .NET etc which is very much helpful for their placement activates.

Quality in teaching, learning and evaluation process

Focus is given to improve the quality of education and evaluation. The faculty are encouraged and sponsored to attend various seminars/conferences held in different colleges across the country so as to inculcate the best practices in education and for their self-development. Faculty use power point presentations and technical videos to enhance teaching skills.

Innovations in Library

The Library is linking e-books (which are available free of cost on Internet) with their books. Any student accessing or checking the books details in the OPAC (Library catalogue) can also avail the link of e-books.

With the successful use of advanced mobile scanners, the stock verification of the Library collection has become more effective and less time consuming.

Interaction with the alumni

Alumni are invited to the department to share their experience with the students.

Involving students in research

The College has realized that knowledge accumulation and assimilation are the two sides of the coin of higher education. The College encourages the faculty as well as the students to imbibe research culture by presenting research papers in national and international seminars / conferences. Some of the under graduate students have won awards for their excellent paper presentation.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The department has started and supported various clubs / associations to sensitize the faculty and students on Institutional Social Responsibilities. We have National Service Scheme and some of the social outreach clubs, which have created an impact on the students' campus experience.

Some of the activities arranged through these clubs are:

1.Contribution for the welfare of Home for the aged.

2.Distribution of basic commodities to Blind School students.

3.Awareness programs of social responsibilities.

4.Contribution for the welfare of many orphanages.

5.Blood donation campus.

6.NSS Camps.

7.Organ Donation camps.

8.Distributions of School Text books & stationeries to schools.

35. SWOC analysis of the department and Future plans

Strengths	**Weaknesses**
➢ Full-time faculty teach most classes, and there is a strong bond and a high level of interaction between faculty and students ➢ Interdisciplinary and experiential education at both the undergraduate and graduate levels ➢ High-quality Input in terms of UG students ➢ Strong Industry Linkages through Practice School programme ➢ Flexible, broad-based, credit-oriented curricular structure ➢ Availability of good infrastructure ➢ Qualified and dedicated Faculty and Staff ➢ Strong focus on Teaching, Learning ➢ and Research	➢ The Department has to increase the amount of research activities ➢ Lack of consulting assignments undertaken ➢ There is always a requirement of research infrastructure in selected areas
Opportunities ➢Continuing education for intellectual enrichment ➢Becoming a leader in interdisciplinary and integrated learning. ➢Opportunity to build an undergraduate experience using the best practices from throughout the country ➢Need for attracting better-quality students at Higher Degree and PhD levels ➢Formulation of new programmes ➢Improving research-ecosystem by incentivising and supporting research ➢Attracting international students and faculty	**Challenges** ➢ Attracting quality faculty has been a challenge ➢ reduced public funding of higher education ➢ growing competition from nearby public universities and small privates ➢ Maintaining healthy balance between teaching and research ➢ Improving quality of publications ➢ Improving research funding ➢ Enhancing extent of research collaboration with external organization

III. Computer Science and Engineering

1. Name of the department

Computer & Science Engineering

2. Year of Establishment

Sl. No.	Programme Name	Level (UG/PG)	Year of Establishment
1.	B.E (Computer Science & Engineering)	UG	2001-02
2.	M.Tech in Computer Science & Engineering	PG	2008-09
3.	M.Tech in Computer Engineering	PG	2010-11
4.	Ph.D	--	2008-09

3. Names of Programmes/ Courses offered:

- B.E in Computer Science & Engineering
- M.Tech in Computer Science & Engineering
- M.Tech in Computer Engineering
- Ph.D. in Computer Science & Engineering

4. Names of Interdisciplinary courses and the departments/units involved

NIL

5. Annual/ semester/ choice based credit system (programme wise)

Semester system /CBCS for UG from academic year 2015-16 and PG from academic year 2016-17

6. Participation of the department in the courses offered by other departments

NIL

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

NIL

8. Details of courses/ programmes discontinued (if any) with reasons

NIL

9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	05	06

AssociateProfessors	11	08
Asst.Professors	28	27

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil.etc.,)

Sl. No.	Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students Guided for the Last 4 years
1.	Dr. Krishna A N	Ph.D	Prof. & HOD	CSE	17.7	2 (Guiding)
2.	Dr. Abhijit Lele	Ph.D	Professor	CSE	17	
3.	Dr. Giridhar Krishna M	Ph.D	Professor	CSE	28.3	
4.	Dr. Srikantaiah K C	Ph.D	Professor	CSE	14	5(Guiding)
5.	Dr. Naveena C	Ph.D	Professor	CSE	7.9	1(Guiding)
6.	Dr. Amith Kumar	Ph.D	Professor	Bio-Informatics	11	-
7.	Nirmala H	M.Tech	Assoc. Prof.	CSE	15.11	-
8.	Roopa M J	M.Tech	Assoc. Prof.	CSE	13.7	-
9.	Rekha V	M.Tech	Assoc. Prof.	CNE	13.1	-
10.	Pavithra G S	M.Tech	Assoc. Prof.	CSE	13.6	-
11.	Bindiya M.K	M.Tech	Assoc. Prof.	CSE	13.6	-
12.	Dhananjaya M	M.Tech	Assoc. Prof.	CSE	15.5	-
13.	Shantha Kumar H.C	ME	Assoc. Prof.	CSE	14.9	-
14.	Sunitha K	M.Tech	Assoc. Prof.	CSE	12.5	-
15.	Ajay B N	M.Tech	Asst. Prof.	CSE	11.4	-
16.	Umashankar M L	M.Tech	Asst. Prof.	CNE	10.1	-
17.	Chaitra .H.K	M.Tech	Asst. Prof.	CSE	9.3	-
18.	Ajay Prakash B V	ME	Asst. Prof.	CSE	10.2	-
19.	Divyashree J	M.Tech	Asst. Prof.	CSE	8.5	-
20.	Chandana C	M.Tech	Asst. Prof.	CSE	7.11	-

21.	Chandan K N	M.Tech	Asst. Prof.	CNE	7.0	-
22.	Chandrashekar D K	M.Tech	Asst. Prof.	CSE	7.6	
23.	Siddanna S R	M.Tech	Asst. Prof.	CSE	7.7	-
24.	Kala ChandraShekhar L	M.Tech	Asst. Prof.	CSE	10.4	-
25.	Archana.R.A	M.Tech	Asst. Prof.	CSE	3.0	-
26.	Chaitra.M	M.Tech	Asst. Prof.	CSE	7.7	-
27.	Shubha T V	M.Tech	Asst. Prof.	CSE	6.6	-
28.	Vinuta A Patil	ME	Asst. Prof.	CSE	5.4	-
29.	Mohan Kumar K N	M.Tech	Asst. Prof.	CSE	5.5	-
30.	Prakruthi M.K	M.Tech	Asst. Prof.	CSE	5.6	-
31.	Deepak B.L	M.Tech	Asst. Prof.	CSE	5.1	-
32.	Roopashree K. S	M.Tech	Asst. Prof.	CSE	6.1	-
33.	Sarala N R	M.Tech	Asst. Prof.	CSE	5.5	-
34.	Yashonidhi Y	M.Tech	Asst. Prof.	VLSI & ES	3.7	-
35.	Charulata	M.Tech	Asst. Prof.	CSE	4.1	-
36.	Manasa B S	M.Tech	Asst. Prof.	CSE	5.8	-
37.	Manjula H.S	M.Tech	Asst. Prof.	CSE	3.6	-
38.	Lochan Gowda M	M.Tech	Asst. Prof.	CSE	3.7	-
39.	Madhu .N	M.Tech	Asst. Prof.	CSE	8.7	-
40.	Srindhi K .S	M.Tech	Asst. Prof.	CSE	3.8	-
41.	Basamma Patil	M.Tech	Asst. Prof.	CSE	3.11	-

11. List of senior visiting faculty

NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Nil

13. Student-Teacher Ratio (programme wise):

B.E (Computer Science & Engineering)	16:1
M.Tech in CSE	12:1
M.Tech in Computer Engineering	12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Type	Sanctioned	Filled
Support Staff (Technical)	11	11
Administrative Staff	03	03

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/ PG.

As per the table mentioned in serial no. 10

16. Number of faculty with on going projects from a) National b) International funding agencies and grants received

NIL

Completed projects:

Project Name	Principal Investigator	Funding Agency	Sanctioned Amount	Duration
A Unique Medical Data Analysis Platform Using Data Mining Techniques for Armed Forces Personnel	Dr. K. R. Ananda Kumar	DRDO, New Delhi	14.24 Lakhs	2011-13

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

Year	Name	Funding Agency	Sanctioned Amount	Duration
2015-16	Dr. Srikantaiah K C (Senthan Reddy)	Karnataka State Council for Science and Technology (KSCST)	Rs. 3000	6 months

18. Research Centre/ facility recognized by the University:

Research Center is recognized by Visvesvaraya Technological University, Belagavi

19. Publications

a) Publications per faculty: 06

Sl. No.	Staff Name	Total Journals/ Conference	International DB	Monograph	Citation Index	I-factor	h-index
1.	Dr. Krishna A. N	16	3	-	-	-	-
2.	Dr. Abijit Lele	18	-	-	-	-	-
3.	Dr. Giridhar Krishna	4	-	-	-	-	-
4.	Dr. Srikantaiah. K. C	21	6	1	18	1.23	3
5.	Dr Naveena .C	21	1	-	-	-	-
6.	Dr. Amit Kumar	46	-	-	-	-	-
7.	Nirmala .H	9	1	-	-	-	-
8.	Roopa M.J	6	1	-	-	-	-
9.	Rekha .V	4	2	-	-	-	-
10.	Pavithra G.S	2	1	-	-	-	-
11.	Bindiya M.K	4	2	-	-	-	-
12.	Dhananjaya. M	2	1	-	-	-	-
13.	Shantha Kumar .H.C	3	1	-	-	-	-

14.	Sunitha .K	3	1	-	-	-	-
15.	Ajay B N	2	-	-	-	-	-
16.	Umashankar M.L	9	1	-	-	-	-
17.	Chaitra H.K	5	1	-	-	-	-
18.	Ajay Prakash B.V	25	1	-	-	-	-
19.	Divyashree .J	2	1	-	-	-	-
20.	Chandan K.N	1	1	-	-	-	-
21.	Kala Chandrashekar	3	1	-	-	-	-
22.	Archana R.A	11	1	-	-	-	-
23.	Chaitra.M	6	1	-	-	-	-
24.	Shubha.T.V	1	1	-	-	-	-
25.	Vinuta A Patil	2	1	-	-	-	-
26.	Mohan Kumar.K.N	2	1	-	-	-	-
27.	Prakruthi.M.K	3	1	-	-	-	-
28.	Deepak B L	1	1	-	-	-	-
29.	Yashonidhi Yajaman	1		-			
30.	Charulata	2	1	-	-	-	-
31.	Manasa B S	1		-			
32.	Manjula H S	2		-			
33.	Lochan Gowda M	1		-			
34.	Madhu. N	1	1	-	-	-	-
35.	Srinidhi. K S	1	1	-	-	-	-
36.	Basamma Patil	4	1	-	-	-	-

20. Areas of consultancy and income generated

NIL

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards

Faculty Name	International ConferenceName	Serving as a (Programme committee, organizingcommit
Dr. Krishna A N	ICC-International Conference – Alpha College of Engineering	Advisory Committee
Dr. Krishna A N	Two days national conference on Recent trends in computer science and Information-NCRTCSIT	Advisory Committee
Dr. Srikantaiah K C	ICC-International Conference – Alpha College of Engineering	Programme Committee
Dr. Srikantaiah K C	International *Conference*on Innovations in Engineering and *Technology* ICIET-*Vijaya Vittala Institute of Technology*	Programme Committee

Dr. Srikantaiah K C	International Multi Conference on Information Processing, Hotel Capitol, Bangalore.	Programme Committee
Dr. Naveena C	The International *Conference* on Knowledge Science, Engineering and Management (*KSEM*)	Review Committee
Dr. Srikantaiah K C	Indo science journal of cloud computing	Reviewer
Dr. Srikantaiah K C	International Conference on Small Technologies for Smart Nation, Reva Unversity	Program Committee

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/ programme.

Academic Year	Total Batches(UG+PG)	No. of In house Project Batches	Percentage
2015-16	83	69	83.1
2014-15	77	76	98.7
2013-14	76	65	85.5
2012-13	69	52	75.4
		Total Percentage	**85.7**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies

Academic Year	Total Batches (UG+PG)	No. of In house Project Batches	Percentage
2015-16	83	14	16.9
2014-15	77	01	1.3
2013-14	76	11	14.5
2012-13	69	17	24.6
Total Percentage			**14.3**

23. Awards/ Recognitions received by faculty and students

Sl. No.	Name	Faculty/ Student	Nature of Recognition
1.	Dr. Srikantaiah K C	Faculty	Best Paper Presentation Award ICIP 2011, Marquis Who is Who in the World 2014, 2015, 2016
2.	Mr. Uma Shankar M L	Faculty	3rd Rank in M.Tech under VTU
3.	Mrs. Shwetha Ramesh	Faculty	3rd Rank in M.Tech under VTU

4.	Mr. Madhu N	Faculty	Outstanding Performer with Bronze Membership for Infosys Campus Connect FEP Training for 2 years (2012 and 2013)
5.	Mr. Ajay Prakash	Faculty	Wipro Certified Training

Academic:

Sl. No.	Name	Faculty/ Student	Academic Year	Nature of Recognition
1.	Navya N	Student CSE-PG-CSE	2010-11	VTU 3rd Rank Holder
2.	Medha Gourayya	Student CSE-PG-CE	2011-12	VTU 3rd Rank Holder
3.	Sowmya C J	Student CSE-PG-CE	2011-12	VTU 2ND RANK HOLDER
4.	Manasa K P	Student CSE-PG-CE	2011-12	Gold Medal 1st Rank
5.	Maheen U	Student CSE-PG-CE	2012-13	VTU 3rd Rank Holder
6.	Asha V	Student CSE-PG-CE	2012-13	VTU 2ND RANK HOLDER
7.	Deepak K M	Student CSE-PG-CE	2012-13	Gold Medal 1st Rank
8.	Bhaavan M	Student CSE-PG-CE	2013-14	VTU 3rd Rank Holder
9.	Vinayashree M S	Student CSE-PG-CE	2013-14	VTU 2ND RANK HOLDER
10.	Chaitra M	Student CSE-PG-CE	2013-14	Gold Medal 1st Rank
11.	Varsha B	Student CSE	2014-15	VTU 6TH RANK HOLDER
12.	Sonali Bharti	Student CSE	2014-15	VTU 4TH RANK HOLDER
13.	Srinivas Thammini	Student CSE-PG-CE	2014-15	VTU 3rd Rank Holder
14.	Kulkarni Manjusha Manik Rao	Student CSE-PG-CE	2014-15	VTU 2ND RANK HOLDER
15.	Shwetha G S	Student CSE-PG-CE	2014-15	Gold Medal 1st Rank
16.	Chandrika N	Student CSE-PG-CE	2015-16	Gold Medal 1st Rank
17.	Sandhya N	Student CSE-PG-CE	2015-16	VTU 2ND RANK HOLDER
18.	Jagadish Kotagi	Student CSE-PG-CE	2015-16	VTU 3rd Rank Holder

24. List of eminent academicians and scientists/ visitors to the department

Sl. No.	Speakers	Name of the topic	DD/MM/YY

1.	Mr. Nagesh H L, Delivery Project Executive, IBM, Bengaluru	Introduction to WSN, Heterogeneous & Homogeneous WSN	18/07/2016
2.	Dr. Hemanth Kumar Rath Tata Consultancy Services Bengaluru	Wireless Radio Propagation Model	19/07/2016
3.	Dr. Rajan M A Tata Consultancy Services Bengaluru- 560009	Security Issues in WSN	19/07/2016
4.	Dr. Shivamurthy G Associate Professor, Dept. of Master of Computer Applications, Center for Post Graduate Studies Bangalore Visvesvaraya Technological University Muddenahalli, Chickaballapur	Power Control mechanism & Energy Dissipation	20/07/2016
5.	Dr. Girish Hegde Oracle India Pvt. Ltd Bengaluru	Data Aggregation and Compression Algorithms	20/07/2016
6.	Dr. T.G. Basavaraju Professor and Head Department of Computer Science Engineering Government SKSJ Technological Institute K R Circle, Bangalore - 560 001	Routing Protocols in WSN	21/07/2016
7.	Mr. Madhusudan Nokia India Pvt. Ltd Bengaluru	Coverage & Connectivity, Location & Positioning in WSN	21/07/2016
8.	Dr. Indiramma Professor, Dept. of CSE BMSCE, Bengaluru	Real Time Case studies & Applications	22/07/2016
9.	Dr. Mohan K.G. Professor & Head, Dept. of Computer Science and engineering SaiVidya Institute of Technology, Bangalore -560064	Power Optimizations	22/07/2016
10.	Mr. Sreenivasan Ramanujam K, Manager, University Relations, Tata Consultancy Pvt. Ltd.	Advances in Engineering and Technologies	07/05/2016
11.	Dr. Srinivasa Naika C L, UBDTCE, Davanagere	Session Chair	07/05/2016
12.	Dr. Kiran K, UVCE, Bengaluru	Session Chair	07/05/2016
13.	Dr. Waseem Ahamed, Professor, CSE, HKBKCE, Blore.	Parallel Processing	15/02/2016
14.	Dr. T C Manjunath, Principal, Nandi Institute of Technology, Blore	Nanotechnology	17/02/2016

15.	Dr Geeta Manjunath, Xerox Bengaluru	Introduction to Data Mining	18/01/2016
16.	Aaquib Nawaz S, ACI Payments System, Bengaluru	Session on MATLAB	18/01/2016
17.	Dr. P Ilango, VIT, Vellor	Data Preprocessing	19/01/2016
18.	Dr. Harish, SJCE, Mysore	Clustering and Classification	19/01/2016
19.	Dr. G T Raju, RNSIT, Bengaluru	Association Analysis	20/01/2016
20.	Dr. A M Sudhakar, UOM, Mysore	Discovery in Space Data	20/01/2016
21.	Mr. Biplab Sarkar, India Statistical Institute, Bengaluru	R Tool	20/01/2016
22.	Mr. Sai Pradeep, TCS , Bengaluru	Trends in Machine Learning	21/01/2016
23.	Mr. Naveen, TCS, Bengaluru	Medical Data Mining	21/01/2016
24.	Mr. Biju Balakrishna, Algo Square, Bengaluru	Social Network	21/01/2016
25.	Mr. Kiran Ruth Rozario, Thoughtnet Technologies Pvt Ltd, Blore	Innovative ideas for App development	13/10/2015
26.	Mr. Harsha C S, CISCO, Blore.	Identifying and Planning Your Projects	13/10/2015
27.	Dr. Sithu D Sudarsan, ABB Corporate Research	Machine Intelligence	20/07/2015
28.	Dr.V Susheela Devi, IISC, Bengaluru	Introduction to Data mining	20/07/2015
29.	Dr. Raghuveer, NIE, Mysore	Mining Tools	20/07/2015
30.	Dr. K G Srinivas, MSRIT, Bengaluru	Introduction to Soft Computing Algorithms	21/07/2015
31.	Mr. Vinay, IISC, Bengaluru	Advanced Techniques in Clustering and Classification	21/07/2015
32.	Mr. K K Choudhary, Indian Statistical Institute	R Tool	21/07/2015
33.	Dr. Murali, MIT, Mysore	Introduction to Image Processing	23/07/2015
34.	Dr. Jharna Majumdar, NMIT, Bengaluru	Advances in Image and Video Processing	23/07/2015
35.	Dr. Mohammed Imran, King Faisal University, Dubai	Introduction to Sub space algorithms with MATLAB	23/07/2015
36.	Dr. Dinesh. Amazon, Bengaluru	Recent advances in image processing and computer vision	24/07/2015
37.	Dr. Shrinivasa Naika, UBDT, Davanagere	Researching in pattern recognition with openCV	24/07/2015
38.	Dr. Vijay Kumar, Dr.AIT, Blore	Session Chair	07/05/2015
39.	Dr. T G Basavaraju, HOD, CSE, SKSJIT, Blore	Computer Network and Fundamentals/	15/04/2015

40.	Mr. Alok P Singh, Business Development Manager, CERTIPORT Inc.	Network and DB Fundamentals	28/10/2014
41.	Mr. Kiran Rajanna, Director, Ethnotec Academic solutions Pvt Ltd.	Java and Cisco Certification	27/10/2014
42.	Mr. Sarath, FSMK, Blore	Free Software	11/08/2014
43.	Dr. P Nagabhushan, University of Mysore, Mysore.	Image Processing and its Applications	11/08/2014
44.	Dr. Ramakrishna, NLSIU, Blore.	Intellectual Property Rights	11/08/2014
45.	Mr. Manjunath & Ms. Prathibha Venkatesh, The Datalifrcycle Company, Blore.	Build your core competency in data storage infrastructure	25/04/2014
46.	Dr. Hanumanthraju, DSCE, Blore.	Session Chair	10/05/2014
47.	Dr. Sathish Babu, SIT, Tumkur	Session Chair	10/05/2014
48.	Dr. K R Suneetha, BIT, Blore.	Session Chair	10/05/2014
49.	Dr. Girijamma, RNSIT, Blore.	Session Chair	10/05/2014
50.	Dr. Chandrashekhar S N, SJCIT, Chikabalapura	Session Chair	10/05/2014
51.	Mr. Vignesh P, Blore	FOSS-GLUG	19/02/2014
52.	Dr. Indiramma, BMSCE, Blore.	Artificial Intelligence	27/01/2014
53.	Dr. T G Basavaraju, SKSJTI	Networking	28/01/2014
54.	Mr. Yathendranath, IEEE Activity	How to Become Entrepreneur	29/08/2013
55.	Mr. Divakar S. R, CISCO Ltd, Blore	Emerging Technologies in Computer Networks	28/08/2013
56.	Mr. Shylendra Singh, Global Logica Software Technologies	Trends in Cloud Computing	4/09/2013
57.	Mr. Harihara Natarajan, Lead Architect, Big Data, Wipro Technologies	Big Data Analytics	6/03/2013

25. Seminars/Conferences/Workshops organized and the source of funding (national/ international)

a) National: 04+16+06 =26

b) International: 01

Sl. No.	Year	Title of the Seminars/ Conferences/ Workshops	National/ International	Source of funding (self-financing / Sponsorship)
Conferences:				
1.	07/05/2016	11th National Conference on Recent Trends in Computer Science and Engineering	National	self-financing
2.	09/05/2015	10th National Conference on Recent Trends in Computer Science and Engineering	National	self-financing

3.	10/05/2014	9th National Conference on Recent Trends in Computer Science and Engineering	National	self-financing
4.	04/05/2013	8th National Conference on Recent Trends in Computer Science and Engineering	National	self-financing
5.	05/08/2010	IEEE International Conference on Integrated Intelligent Computing	International	self-financing
Workshops:				
6.	11/04/17 to 13/07/17	Web Development 1	National	self-financing
7.	16/01/2017	Six day workshop on maching learning with python and R Tools	National	self-financing
8.	03/11/2016	Workshop on AJAX and J-query	National	self-financing
9.	10/05/3016	Workshop on Ruby on Rails	National	self-financing
10.	03/03/2016 04/03/2016	Workshop on Managing Big Data	National	self-financing
11.	06/10/2015 07/10/2015	Workshop on Virtualization and Cloud Computing	National	self-financing
12.	03/10/2015	Workshop on App Design Prototyping	National	self-financing
13.	07/05/2015	Workshop on Skill Development	National	self-financing
14.	29/04/2015 30/04/2015	Workshop on Hack Android	National	self-financing
15.	10/10/2014 11/10/2014	Workshop on Cloud Computing and challenge	National	self-financing
16.	27/08/2014 28/08/2014	Workshop on NS2 and QualNet simulation tools	National	self-financing
17.	27/08/2014	Workshop on Plagiarism in academic and copyrights	National	self-financing
18.	23/07/2014	Workshop on Market oriented cloud computing and big data applications	National	self-financing
19.	25/04/2014 27/04/2014	Workshop on HACKTRACK	National	self-financing
20.	04/04/2014 05/04/2014	Workshop on ARM Controller and its applications	National	self-financing
21.	16/02/2014	Workshop on HTML and web development	National	self-financing
FDP				
22.	18.07.2016 23.07.2016	FDP on Real Time WSN and Network Simulator	National	self-financing
23.	18.01.2016 23.01.2016	FDP on Knowledge Discovery and Applications	National	self-financing
24.	20.07.2015 24.07.2015	FDP on Machine Intelligence and Image Processing”	National	self-financing
25.	05.09.2014 07.09.2014	FDP on Medical Data Mining and Analysis Using Open	National	self-financing

		Source Tools		
26.	27.01.2014 31.01.2014	FDP on Research Advances in Computer Science and Engineering	National	self-financing
27.	28.01.2013 01.02.2013	FDP on Advances in Networks and Artificial Intelligence	National	self-financing

26. Student profile programme /course wise:

Name of the Course /programme (refer question no. 4)		Academic Year	Applications received	Selected	Enrolled		Pass %
					*M	*F	
UG		2016-17	NA	176+09=185	**113**	**72**	---
PG CSE				08	**01**	**07**	---
PG CE				00	**00**	**00**	---
UG		2015-16		178+9+38	95+22	92+16	96.25
PG	CSE			15	4	11	93.3
	CE			11	2	9	90.90
UG		2014-15		176+9+35	114+22	71+13	90.22
PG	CSE			15	4	11	93.3
	CE			15	7	8	100
Ph.D							
UG		2013-14		175+9+35	118+21	66+14	84.93
PG	CSE			17	9	8	94.12
	CE			15	6	9	100
UG		2012-13		178+9+38	113+22	74+16	89.33
PG	CSE			18	11	7	100
	CE			18	9	9	100

*M=Male *F=Female

27. Diversity of students

Name of the Course	Year	% of students from the same state	% of students from other States	% of students from abroad
UG	2012-16	52.24	47.76	Nil
	2011-15	57.30	42.70	
	2010-14	68.37	31.63	
	2009-13	64.76	35.24	
PG (CSE)	2014-16	100	00	
	2013-15	100	00	
	2012-14	100	00	
	2011-13	94.44	5.56	

PG (CE)	2014-16	100	00
	2013-15	100	00
	2012-14	92.85	7.15
	2011-13	100	00

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services etc.?

Academic year	Batch	Performance in Public examination						Total
		GATE	GRE	TOFEL	GMAT	CAT	Etc	
2015-16	2012-16	4	10	8	-	-	-	22
2014-15	2011-15	3	2	1	-	-	10	16
2013-14	2010-14	4	-	-	-	-	5	9
2012-13	2009-13	-	2	2	1	-	-	5
							Total	**52**

29. Student Progression

Student progression	2012-13	2013-14	2014-15	2015-16
UG to PG	17.4%	17.6%	11.1%	13.18%
PG to M.Phil.	NA	NA	NA	NA
PG to Ph.D.	5.5%	Nil	Nil	Awaiting
Employed • Campus selection • Other than campus recruitment	87%	91.3%	91.8%	95.4%
Entrepreneurship/self-employment	04			

30. Details of departmental infrastructural facilities

a) Library

- Library facility is available to all students and staffs at Central Library. The department also has its own library. It has a collection of 1460 books till date, with a total floor area of 20 square meters, located in the first floor of CSE/ISE block. Department library contains many learning resources. The department library also has books to help students to prepare for competitive examinations like GATE, GRE, TOFEL and certification courses like CCNA, CCNP and SAP-ABAP.
- In addition to the above, complimentary copies, CD's, journals, conference proceedings, academic project and seminar reports are present in the department library.

b) Internet facilities for Staff & Students

- Wi-Fi with 1 D-Link router with a range of 20 meters facility is provided for all the staff and students
- LAN with bandwidth up to 45 Mbps.

c) Class rooms with ICT facility

- There are totally 12 (9UG+3PG) class rooms.
- Most of the class rooms are provided with projectors and the laboratory has portable projectors.
- Portable speakers and mikes are available as teaching tools for the faculty members.
- Over Head Projectors can be availed for the teaching purpose in the class.

d) Stand Alone Facility:

- Server: 06
- Printer: 23
- Scanner: 03
- UPS: 06
- Projector: 08

e) Laboratories

The department has laboratories with well-equipped computing environment.

Sl. No.	Course	Name of the Lab	Major Equipments in the lab	No. of PC's Available
1.	B.E (CSE)	DATA STRUCTURE /ALGORITHMS LAB-01	Computers, Printer, Electrical & Structuring Cable, Computer Table & Chairs	28
2.	B.E (CSE)	DATA STRUCTURE /ALGORITHMS LAB-02	Computers, Printer, Electrical & Structuring Cable ,Computer Table & Chairs	28
3.	B.E (CSE)	MICROPROCESSOR LAB -01	Computers, Printer, Electrical & Structuring Cable ,Computer Table & Chairs	15
4.	B.E (CSE)	MICROPROCESSOR LAB-02	Computers, Printer, Electrical & Structuring Cable ,Computer Table & Chairs	12
5.	B.E (CSE)	ELECTRONIC CIRCUITS & LOGIC DESIGN LAB-01	Trainer Kits, IC's Microprocessor Kits, Spring Board, IC Tester, CRO, Interface Cards, Etc.,	15
6.	B.E (CSE)	ELECTRONIC CIRCUITS & LOGIC DESIGN-02	Trainer Kits, IC's Microprocessor Kits, Spring Board, IC Tester, CRO, Interface Cards, Etc.,	12
7.	B.E (CSE)	DATABASEAPPLICATION / CCP LAB -01	Computers, Projector, Printer, Electrical & Structuring Cable ,Computer Table & Chairs	26
8.	B.E (CSE)	DATABASEAPPLICATION /	Computers, Projector, Printer, Electrical & Structuring Cable	27

		CCP LAB -02	,Computer Table & Chairs	
9.	B.E (CSE)	SYSTEM SOFTWARE / USP LAB-01	Server ,Computers, Projector, Printer, Electrical & Structuring Cable ,Computer Table & Chairs	30
10.	B.E (CSE)	SYSTEM SOFTWARE/USP LAB-02	Server ,Computers, Projector, Printer, Electrical & Structuring Cable ,Computer Table & Chairs	30
11.	B.E (CSE)	WEB /CG LAB-01	Server ,Computers, Printer, Electrical & Structuring Cable ,Computer Table & Chairs	27
12.	B.E (CSE)	WEB /CG LAB -02	Computers, Projector, Printer, Electrical & Structuring Cable, Computer Table & Chairs	30
13.	B.E (CSE)	NETWORKS LAB-01 /PROJECT LAB	Computers, Projector, Printer, Electrical & Structuring Cable, Computer Table & Chairs	25
14.	B.E (CSE)	NETWORKS LAB-02 /PROJECT LAB	Computers, Projector, Printer, Electrical & Structuring Cable, Computer Table & Chairs	25
15.	Ph.D	VTU Research Center	Computers, Projector, Printer, Electrical & Structuring Cable, Computer Table & Chairs	10

Details of computing facility available (hardware and software) are listed below.

Hardware:

Version	Configuration	Nos.
ACER-Veriton ACPC3740	M200-H61 Chipset, Core i3,3240, 3.40 Ghz, 3 MB Cache, 500 GB HDD,6GB DDR3 RAM, (4+2), MM Key Board, USB Optical Mouse. **OS:-**Windows Xp/7.**Monitor:-**19.5"LED Monitor	**60**
Lenovo Think Center E-73,	Lenovo E-73, Chipset, Core i3,4130, 3.40 Ghz, 3 MB Cache, 500 GB HDD,6GB DDR3 RAM, (4), MM Key Board, USB Optical Mouse. **OS:-**Windows Xp/7.**Monitor:-**19.5"LED Monitor	**65**
Lenovo D-35 S6R6 Thin Client	Processor 1.6 GHZ, 1GB DDr3 ,1GB Flash drive, Network 100/1000, Audio Connector, I/O Port, Secure USB, USB Key board & Mouse, 18.5 Monitor,	**60**
Lenovo Think Center E 7500	ALL in ONE PC: Intel C2D , 2 GB RAM, 500 GB HDD, LAN 100/1000, DVD, USb key Board Mouse, web Cam	**30**
Lenovo Think Center E 5400	ALL in ONE PC: Intel Dual Core , 4 GB RAM, 500 GB HDD, LAN 100/1000, DVD, USB key Board Mouse, web Cam	**30**
Lenovo Think Center E 7500	Intel C2D ,2.93 GHZ, G31 Board, 2 GB RAM, 320 GB HDD, LAN 100/1000, DVD, USb key Board Mouse, 19.5" TFT Monitor.	**20**
HP DX 2480	Intel C2D ,2.93 GHZ, G31 Board, 2 GB RAM, 250 GB HDD, LAN 100/1000, DVD, USb key Board Mouse, 19.5" TFT Monitor.	**10**

Lenovo E7400	Intel C2D ,2.8 GHZ, G31 Board, 2 GB RAM,320 GB HDD, LAN 100/1000, DVD, USb key Board Mouse, 18.5" TFT Monitor.	**30**
HP Compaq Presario SG 3350	Intel C2D ,2.0 GHZ, G31 Board, 1 GB RAM,160 GB HDD, LAN 100/1000, DVD, MM key Board Mouse, 18.5" TFT Monitor.	**41**
HCL Busy Bee, 4990	Intel C2D ,2.0 GHZ, G31 Board, 1 GB RAM,160 GB HDD, LAN 100/1000, DVD, MM key Board Mouse, 18.5" TFT Monitor.	**29**
Acer Veritron	Dual Core. 2.7 , 320 GB HDD, 1GB RAM , 18.5", TFT Monitor	**10**

Softwa re:

Sl. No.	Name of the System software's	User
1.	Windows Server 2003	01
2.	Microsoft Windows Xp	100
3.	Windows Server 2008 R2	05
4.	Microsoft Soft Windows 7 Professional	100
5.	Windows 8	25
6.	RED HAT	Free
7.	FEDORA	Free
8.	UBUNTU	Free
9.	Visual Studio PRO-2008	01
10.	C++ Compiler Academic Edition	01
11.	Visual Studio PRO-2010	30
12.	Win server Cal2008,sinOLP	30
13.	Model SIM & Xilinx	30
14.	Multi SIM	25
15.	Mentor Software	25
16.	Microsoft Office 2010	10

31. Number of students receiving financial assistance from college, university, government or other agencies

Meritorious Scholarship:

Sl. No.	Academic Year	Category	Department	No of Students	Total amount
1.	2012-13	UG	CSE	4	35000/-
2.	2013-14	UG/PG	CSE	3UG+3 PG	Gold Medal
3.	2014-15	UG/PG	CSE	3 UG+4 PG	Gold Medal
4.	2015-16	UG/PG	CSE	5 UG+3 PG	Gold Medal

32. Details on student enrichment programmes (special lecturers/ workshops/ seminar) with external experts

Sl. No.	Speakers	Name of the topic	Special Lecture/ Workshop/ Seminar/FDP/ Conference	DD/MM/YY
1.	Dr. Sharath Kumar Y H MIT, Mysore	Recent trends in Data mining	Special Lecture	12/04/2017
2.	Dr. Manjunath S Samsung, Bengaluru	Deep Learning	Special Lecture	18/03/2017
3.	Mr. Madushudan C K NOKIA, Bengaluru	Internet of Things	Special Lecture	22/10/2016
4.	Mr. Mohith Hegde Creative Infotech, Bengaluru	APP awareness program	Special Lecture	09/08/2016
5.	Mr. Sreenivasan Ramanujam K, Manager, University Relations, Tata Consultancy	Advances in Engineering and Technologies	Conference	07/05/2016
6.	Dr. Waseem Ahamed, Professor, CSE, HKBKCE	Parallel Processing	Special Lecture	15/02/2016
7.	Dr. T C Manjunath, Principal, Nandi Institute of Technology	Nanotechnology	Special Lecture	17/02/2016
8.	Mr. Kiran Ruth Rozario, Thoughtnet Technologies	Innovative ideas for App development	Special Lecture	13/10/2015
9.	Mr. Harsha C S, CISCO	Identifying and Planning Your Projects	Special Lecture	13/10/2015
10.	Dr. T G Basavaraju, HOD, CSE, SKSJIT, Blore	Computer Network and Fundamentals/	Special Lecture	15/04/2015
11.	Mr. Alok P Singh, Business Development Manager, CERTIPORT Inc.	Network and DB Fundamentals	Special Lecture	28/10/2014
12.	Mr. Kiran Rajanna, Director, Ethnotec Academic solutions	Java and Cisco Certification	Special Lecture	27/10/2014
13.	Mr. Sarath, FSMK, Blore	Free Software	Special Lecture	11/08/2014
14.	Dr. P Nagabhushan, Mysore University	Image Processing and its Applications	Special Lecture	11/08/2014
15.	Dr. Ramakrishna, NLSIU	Intellectual Property Rights	Special Lecture	11/08/2014
16.	Mr. Manjunath & Ms. Prathibha Venkatesh, The Datalifrcycle Company, Blore	Build your core competency in data storage infrastructure	Special Lecture	25/04/2014
17.	Mr. Vignesh P, Blore	FOSS-GLUG	Special Lecture	19/02/2014
18.	Mr. Yathendranath, IEEE Activity	How to Become Entrepreneur	Special Lecture	29/08/2013
19.	Mr. Divakar S. R, CISCO Ltd, Blore	Emerging Technologies in Computer Networks	Special Lecture	28/08/2013
20.	Mr. Shylendra Singh, Global Logica Software Technologies	Trends in Cloud Computing	Special Lecture	4/09/2013
21.	Mr. Harihara Natarajan, Lead Architect, Big Data, Wipro Technologies	Big Data Analytics	Special Lecture	6/03/2013
22.	Mr. Muzafir Khan, Senior Development Engineer, Neutronics	Web Development 1	Workshop	11/04/17 to 13/07/17
23.	Mr. Sriharsha, System Software Engineer, HP Enterprise, Bangalore.	Machine Learning with Python and R Tools	Workshop	16/01/2017 to 21/01/2017

	Mr. Vidyadhar Sharma, Spiderbit Exploratories Mr. Shivaram K R, Crossasset			
24.	Mr. Selvakumar, V S R Future Tech, Bangalore.	Ajax and JQuery	Workshop	03/11/2016 to 05/11/2017
25.	Mr. Anirudda S G, Co-founder, DCT Academy, Bangalore.	Ruby on Rails	Workshop	10/05/3016
26.	Mr. Sachin K, Dileep C, Algosquare, Bangalore.	Managing Big Data	Workshop	03/03/2016 04/03/2016
27.	Mr. Suraj, Spaneous Software Solutions	Virtualization and Cloud Computing	Workshop	06/10/2015 07/10/2015
28.	Mr. Mohit Hegde, Creative Infotech, Bangalore.	App Design Prototyping	Workshop	03/10/2015
29.	Prof. Ramesh G, NIE, Mysore	Skill Development	Workshop	07/05/2015
30.	Mr. Amit Ankit, Tech Defense	Hack Android	Workshop	29/04/2015 30/04/2015
31.	Dr. Chandrashekar S Patil, Anandkumar, Kiran R, Nihon Communication Sytems, Bangalore.	Cloud Computing and challenge	Workshop	10/10/2014 11/10/2014
32.	Mr. Suresh, Mr. Anandkumar, Bhargav R, Nihon Communication Sytems, Bangalore.	NS2 and QualNet simulation tools	Workshop	27/08/2014 28/08/2014
33.	Mr. Chidananda B G, Senior I P rights, Infosys, Bangalore.	Plagiarism in academic and copyrights	Workshop	27/08/2014
34.	Dr. Rajkumar Buyya, Director, University of Melbourne, Australia.	Market oriented cloud computing and big data applications	Workshop	23/07/2014
35.	Mr. Sunny Vaghela, Tech Defense	HACKTRACK	Workshop	25/04/2014 27/04/2014
36.	Mr. Kishore Amarnath and Mr. Harish M, ARM Embedded Systems Pvt. Ltd.	ARM Controller and its applications	Workshop	04/04/2014 05/04/2014
37.	Anuj Duggal, Google Development Group, Bangalore.	HTML and web development	Workshop	16/02/2014

33. Teaching methods adopted to improve student learning.

Bridge Courses have been started for students moving from HSC to Degree College and for the students enrolling for PG Courses. **Remedial teaching** and intensive coaching is offered to students who need extra and special attention.

Placement Classes have been started for students from 1st year itself to develop aptitude and personality which is very much helpful for their placement.

Mini projects

To give hands on experience and encourage student creativity, students are made to submit projects in interested fields. Reports are also made submitted on the same so that they get an idea of report making and planning.

Certificate Course for Technical development

Short-term Certification courses like app development, android development, PHP, .NET etc, are conducted to students, which is very much helpful for their placement activates.

Quality in teaching, learning and evaluation process

Focus is given to improve the quality of education and evaluation. The faculty are encouraged and sponsored to attend various seminars/conferences held in different colleges across the country so as to inculcate the best practices in education and for their self-development. Faculty use power point presentations and technical videos to enhance teaching skills.

Innovations in Library

The Library is linking e-books (which are available free of cost on Internet) with their books. Any student accessing or checking the books details in the OPAC (Library catalogue) can also avail the link of e-books.

With the successful use of advanced mobile scanners, the stock verification of the Library collection has become more effective and less time consuming.

Inaction with the alumni

Alumni are invited to the department to share their experience with the students.

Involving students in research

The College has realized that knowledge accumulation and assimilation are the two sides of the coin of higher education. The College encourages the faculty as well as the students to imbibe research culture by presenting research papers in national and international seminars / conferences. Some of the under graduate students have won awards for their excellent paper presentation.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities.

The College has started and supported various clubs / associations to sensitize the faculty and students on Institutional Social Responsibilities. We have National Service Scheme and some of the social outreach clubs, which have created an impact on the students' campus experience.

Some of the activities arranged through these clubs are:

1. Awareness programs of social responsibilities
2. Blood donation campus
3. NSS Camps
4. Organ Donation camps
5. Distributions of School Text books & stationeries to schools.

35. SWOC analysis of the department and Future plans

Strengths	Weaknesses
➢ High-quality Input in terms of UG students ➢ Strong Industry Linkages through Practice School programme ➢ Flexible, broad-based, credit-oriented	➢ The Department has to increase the amount of research activities ➢ Getting quality faculty is big challenge ➢ Lack of consulting assignments

curricular structure ➢ Availability of good infrastructure ➢ Qualified and dedicated Faculty and Staff ➢ Strong focus on Teaching and Learning	undertaken ➢ There is always a requirement of research infrastructure in selected areas
Opportunities ➢Need for attracting better-quality students at Higher Degree and PhD levels ➢Formulation of new programmes ➢Improving research-ecosystem by incentivising and supporting research ➢Attracting international students and faculty	**Challenges** ➢ Attracting quality faculty has been a challenge ➢ Maintaining healthy balance between teaching and research ➢ Improving quality of publications ➢ Improving research funding ➢ Enhancing research collaboration with ext. organization

IV. Information Science and Engineering

1. Name of the department

Information Science and Engineering

2. Year of Establishment

Sl. No.	Programme Name	Level (UG/PG)	Year of Establishment
1.	B.E (Information Science & Engineering)	UG	2001-02
2.	M.Tech in Computer Network Engineering	PG	2008-09
3.	Ph.D	--	2008-09

3. Names of Programmes/ Courses offered

- B.E in Information Science & Engineering
- M.Tech in Computer Network Engineering
- Ph.D in Computer Science and Engineering

4. Names of Inter disciplinary courses and the departments/ units involved

NIL

5. Annual/ semester/ choice based credit system (programme wise):

Semester system & CBCS from academic year 2015-16 (UG)

Semester system & CBCS from academic year 2016-17 (PG)

6. Participation of the department in the course soffered by other departments

Nil

7. Courses in collaboration with other universities, industries, foreign institutions, etc

Nil

8. Details of courses/programmes discontinued (if any) with reasons

Nil

9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	03	03
AssociateProfessors	07	05
Asst.Professors	20	22

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./ M.Phil.etc.,)

Sl. No	Name of the Faculty	Qualification	Designation	Specialization	No. Of Years Experience	No. Of Ph.D students Guided for the last 4 years
1.	Dr. H S MOHAN	Ph.D	Prof. & HOD	CSE	16.07	5 (Guiding)
2.	Dr. M V RAMAKRISHNA	Ph.D	Prof.	CSE	39.1	4 Guided 5 (Guiding)
3.	Dr. YOGISHA H K	Ph.D	Prof.	CE	16.07	2 (Guiding)
4.	B REKHA	M.Tech	Assoc. Prof.	CNE	15.11	NIL
5.	M POORNIMA	M.Tech	Assoc. Prof.	CSE	14.05	NIL
6.	G MANJULA	M.Tech	Assoc. Prof.	CSE	12.06	NIL
7.	G MURALI	M.Tech	Assoc. Prof.	CSE	11.4	NIL
8.	C N ABHILASH	M.E	Assoc. Prof.	IT	10.02	NIL
9.	RAJESH L	M.Tech	Asst. Prof.	CSE	9.07	NIL
10.	KAMESWARI K	M.Tech	Asst. Prof.	CSE	8.1	NIL
11.	RAMYA B K	M.Tech	Asst. Prof.	CNE	7.09	NIL
12.	S PAVITRA BAI	M.Tech	Asst. Prof.	CSE	8.02	NIL
13.	U YAMUNA	M.Tech	Asst. Prof.	CSE	9.07	NIL
14.	KIRAN KUMAR V	M.Tech	Asst. Prof.	CSE	7.11	NIL
15.	R CHETAN	M.Tech	Asst. Prof.	CSE	7.11	NIL
16.	ROHINI T V	M.Tech	Asst. Prof.	CSE	8.02	NIL
17.	ARAVINDA C V	M.Tech	Asst. Prof.	IT	8.07	NIL
18.	SHILPA K R	M.E	Asst. Prof.	WT	8.07	NIL
19.	UMESH M	M.Tech	Asst. Prof.	CSE	6.07	NIL
20.	RANJITH J	M.Tech	Asst. Prof.	IT	6.08	NIL
21.	SUPRIYA B N	M.Tech	Asst. Prof.	CSE	6.1	NIL
22.	SRIDEVI G M	M.Tech	Asst. Prof.	CSE	4.03	NIL
23.	VINOD H C	M.Tech	Asst. Prof.	CSE	4.03	NIL
24.	UDAY SHANKAR S V	M.Tech	Asst. Prof.	CST	4.03	NIL
25.	USHA N	M.Tech	Asst. Prof.	CSE	7.11	NIL

26.	SANTHRUPTH B C	M.Tech	Asst. Prof.	CNE	2.07	NIL
27.	ASHWINI K	M.Tech	Asst. Prof.	MEM	2.07	NIL
28.	Manu M N	M.Tech	Asst. Prof.	CSE	7	NIL
29.	Darshan K R	M.Tech	Asst. Prof.	CSE	8	NIL
30.	Nithin K P	M.Tech	Asst. Prof.	CSE	3.11	NIL

11. List of senior visiting faculty

Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Nil

13. Student-Teacher Ratio (programme wise)

B.E (Information Science & Engineering)	14:1
M.Tech in CNE	12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Type	Sanctioned	Filled
Support Staff (Technical)	08	08
Administrative Staff	02	02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D /MPhil/ PG.

As per the table in Sl. No. 10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR,etc. and total grants received From VTU

Nil

18. Research Centre/ facility recognized by the University

Recognized as Research centre by Visvesvaraya Technological University, Belagavi

19. Publications

a) Publication per faculty: 7.3

Sl. No.	Staff Name	Total Journals/ Conference	International DB	Monograph	Citation Index	I-factor	h-index
1.	Dr. Mohan H S	24	16	-	19	2.77	-
2.	Dr. Ramakrishna M V	05	-	-	-	-	-
3.	Dr. Yogisha H K	35	11	-	22	4.2	1
4.	Mrs. Rekha B	18	05	-	1	4.3	-
5.	Mrs. Poornima M	11	02	-	-	-	-
6.	Mrs. Manjula G	08	05	-	-	2.3	-
7.	Mr. Murali G	09	04	-	-	2.6	9
8.	Mr. Abhilash C N	08	06	-	-	5.33	-
9.	Mr. Rajesh L	03	02	-	-	-	-
10.	Mrs. Kameswari K	11	04	-	-	2.02	-
11.	Mrs. Ramya B K	06	03	-	-	5.336	-
12.	Mrs. Pavitra bai S	03	02	-	-	-	-
13.	Mrs. Yamuna U	04	02	-	-	1.49	-
14.	Mr. Kiran kumar V	10	06	-	Nil	4.6	Nil
15.	Mr. Chetan R	07	07	-	14	5.8	Nil
16.	Mrs. Rohini T V	06	05	-	-	5.8	-
17.	Mr. Aravinda C V	15	08	-	4	3.2	Nil
18.	Mrs. Shilpa K R	01	-	-	-	-	-
19.	Mr. Umesh M	10	05	-	Nil	6.5	-
20.	Mr. Ranjith J	10	07	-	Nil	6.5	-
21.	Mrs. Supriya B N	02	01	-	-	-	-
22.	Mrs. Sridevi G M	03	03	-	-	2.3	-
23.	Mr. Vinodh H C	02	02	-	-	-	-
24.	Mr. Uday Shankar S V	02	01	-	-	-	-
25.	Mr. Santhrupth B C	01	-	-	-	-	-
26.	Mrs. Aswini K	01	-	-	-	-	-
27.	Mr. Darshan	05	05	-	-	1.4	-
28.	Mr. Manu	03	01	-	-	-	-
29.	Mr. Nithin	03	01	-	-	-	-

20. Areas of consultancy and income generated

NIL

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards

Sl. No.	Name of the faculty	Name of the journal/ Conference	Role of the faculty
1.	Dr. Mohan H.S	IJCSIS, IJSCAI, VLSICS and IJWSC	Reviewer
2.	Dr. Yogish H K	IJERT, IJATEM	Reviewer

22. Student projects

a) Percentage of students who have done in-house projects including inter-departmental/ programme

Academic Year	Total Batches (UG+PG)	No. of In house Project Batches	Percentage
2015-16	48	45	94
2014-15	51	51	100
2013-14	51	44	86
2012-13	44	42	95
		Total Percentage	**94**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies

Academic Year	Total Batches (UG+PG)	No. of In house Project Batches	Percentage
2015-16	3	0	6
2014-15	0	0	0
2013-14	7	7	14
2012-13	2	1	5
		Total Percentage	**6**

23. Awards/ Recognitions received by faculty and students

Academic:

Sl. No.	Name	Faculty/ Student	Academic Year	Nature of Recognition
1.	Sheethal J R	Student	2015-16	Secured 9th Rank in UG VTU.
2.	Sushma H	Student	2014-15	Secured 8th Rank in UG, VTU.
3.	Samhitha S.	Student	2013-14	Secured 3rd Rank in UG, VTU.
4.	Sneha M.	Student	2013-14	Secured 2nd Rank in PG VTU.

Sports:

Sl. No.	Name of the student	Academic Year	Tournament/ Venue	EVENTS	Prize Won
1.	Shreyas H N	2012 - 13	All India Inter- University Soft Ball Tournament held at Punjab University, Chandigarh	VTU Soft ball	4th place
2.	N Yukthishree	2013 - 14	VTU's Intercollegiate Archery (M&W) Competitions held at KSIT	Archery Competition – Indian Round (30 & 50Mts)	I Place (Gold)
3.	Shreyas H N	2013 - 14	All India Inter-university Soft ball tournament held at Acharya Nagarjuna University, Nagarjunanagar (AP)	VTU Soft ball	Participated

4.	Shreyas H N	2013 - 14	05th Inter Zone National Soft ball Championship held at Indore, Madhya Pradesh	Karnataka Soft ball	III Place
5.	N Yukthishree	2014 - 15	VTU's Intercollegiate Archery (M&W) Competitions held at DBIT	Archery Competition – Indian Round (30 & 50Mts)	II Place (Silver) & I Place (Gold)

24. List of eminent academicians and scientists/ visitors to the department

Sl. No.	Name of the eminent Personality	Organization	Purpose of visit
1.	Prof. Debabrata Das	IIIT-BANGALORE	Keynote for IEEE International Conference iCATccT-16
2.	Dr. Madhan Kumar Srinivasan	Accenture, Bangalore	Keynote for IEEE International Conference iCATccT-16
3.	Dr. Thinagaran Perumal	Cyber-Physical Systems, Malaysia	Keynote for IEEE International Conference iCATccT-16
4.	Dr. K C Gouda	NAL	Technical Talk on Cloud Computing iCATccT-16
5.	Dr. K C Gouda	NAL	Session Chair for IEEE International Conference iCATccT-16
6.	Dr. H S GURU PRASAD	Prof and Head Dept. of CSE, BMSCE	Session Chair for IEEE International Conference iCATccT-16
7.	Dr. M V SUDHAMANI	Prof and Head Dept. of CSE, RNSIT	Session Chair for IEEE International Conference iCATccT-16
8.	Dr. G T RAJU	Prof and Head Dept. of CSE, RNSIT	Session Chair for IEEE International Conference iCATccT-16
9.	Dr. H S JAYANNA	Prof and Head Dept. of ISE, SIT, Tumkur	Session Chair for IEEE International Conference iCATccT-16
10.	Dr. RAMAKANTH	RVCE	Session Chair for IEEE International Conference iCATccT-16
11.	Dr. S N CHANDRA SHEKAR	SJCIT	Session Chair for IEEE International Conference iCATccT-16
12.	Dr. CAUVERY	Prof. and Head Dept. of CSE, RVCE	Session Chair for IEEE International Conference iCATccT-16
13.	Dr. TIPPESWAMY	Prof and Head Dept. of CSE, BMSIT	Session Chair for IEEE International Conference iCATccT-16
14.	Dr. SHASHI KUMAR	CAMBRIDGE IT	Session Chair for IEEE International Conference iCATccT-16
15.	Dr. MANJUNATH T N	Prof and Head Dept. of ISE, BMSIT	Session Chair for IEEE International Conference iCATccT-16
16.	Dr. T G BASAVARAJU	Govt.SKSJIT	Session Chair for IEEE

			International Conference iCATccT-16
17.	Dr. K G MOHAN	SVIT	Session Chair for IEEE International Conference iCATccT-16
18.	Dr. H N PRAKASH	RIT HASSAN	Session Chair for IEEE International Conference iCATccT-16
19.	Dr. NAGARAJU	RVCE	Session Chair for IEEE International Conference iCATccT-16
20.	Dr. GOPALA KRISHNA	KSSEM	Session Chair for IEEE International Conference iCATccT-16
21.	Dr. RAGHAVENDRA	Prof. and Head Dept. of CSE, KSSEM	Session Chair for IEEE International Conference
22.	Dr. BALAKRISHNA	Principal, RRCE	Session Chair for IEEE International Conference iCATccT-16
23.	Dr. SAGAR B M,	RVCE	Session Chair for IEEE International Conference iCATccT-16
24.	Dr. Ramesh	DBIT	Session Chair for IEEE International Conference iCATccT-16
25.	Dr. Purohit Srinivasacharya	SIT, Tumkur	Session Chair for IEEE International Conference iCATccT-16
26.	Dr. S Sridhar	RVCE, Bangalore	Speaker on Cloud Computing
27.	Dr. Prakash S	DSU, Banglaore	Speaker on Cloud Computing
28.	Chandra Goswamy	Hed-Ex	Speaker on Cloud Computing
29.	Dr. Nagraj G S	RVCE, Bangalore	Speaker on Cloud Computing
30.	Dr. K.C Gouda	NAL Bangalore	Speaker on Cloud Computing
31.	Mr. Darshan	Ethnotech Solution	Multimedia Communication
32.	Mr. Satish Gupta	Ethnotech Solution	Managing Big-Data and Distributing Computing
33.	Dr. Sagar G M & Chehana R Murthy	RVCE Bangalore	Advanced Algorithms.
34.	Mr. Sandeep Rao	CISCO	Network Managament
35.	Dr. Rajanikanth	MSRIT	Big Data Analytics.
36.	Dr. Dinesh	Amazon R&D Head	Big Data Analytics
37.	Mrs. Snehalatha	Wipro Technologies	Big Data Analytics
38.	Mr.Nagaraj K	Prof., DBIT	Big Data Analytics
39.	Prof. Manjunath T N	AIT, Bangalore	Big Data Analytics
40.	Dr. Harish	SJCE, Mysore	Big Data Analytics

25. Seminars/ Conferences/ Workshops organized & the source of funding a) National b) International

Sl. No.	Year	Title of the Seminars/ Conferences/ Workshops	National / International	Source of funding (self financing / Sponsorship)
Conference				
1.	2015-16	IEEE Conference on Applied and theoretical Computing and Communication iCATccT-16	International	Self, Canara Bank
2.	2014-15	National Conference on Advances in Information Technology NCAIT-2015	National	Self
3.	2013-14	National Conference on Advances in Information Technology NCAIT-2014	National	Self
4.	2012-13	National Conference on Advances in Information Technology NCAIT-2013	National	Self
Workshop				
5.	2015-16	A workshop on Java, J2EE and Android.	National	Self
6.		Machine Learning	National	Self
7.		A Workshop on Photoshop and Corel draw	National	Self
8.	2014-15	A Workshop on Python	National	Self
9.		A Workshop on CISCO Packet Tracer	National	Self
10.		A Workshop on Computer Network Installation & Trouble Shooting	National	Self
11.	2013-14	A Workshop on Android, A New Frontier in mobile computing	National	Self
12.		A Workshop on Unix system Programming	National	Self
13.	2012-13	A Workshop on Hands on NS2	National	Self
14.		A Workshop on Object oriented program workshop using C++ and QtGUI	National	Self
FDP				
15.	2015-16	A Six-Days FDP on Cloud Technologies.	National	Self
16.	2014-15	A Five- Day FDP on "Hands-on Training on Current Computing Tools"	National	Self
17.	2013-14	A Five- Day FDP on " Big Data analytics"	National	Self

26. Student profile programme/ course wise

Name of the Course/ programme	Academic Year	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
UG	2016-17	NA	121	61	60	---
PG (CNE)			04	01	03	---
Ph.D			01	01	---	---
UG	2015-16		118	71	47	97.22

PG (CNE)			11	3	8	100
Ph.D			08	03	05	---
UG	2014-15		117	75	42	80.33
PG (CNE)			14	7	7	92.85
Ph.D			04	01	03	---
UG	2013-14		108	75	33	73.68
PG (CNE)			18	6	12	100
Ph.D			02	02	00	---
UG	2012-13		117	68	49	80.64
PG (CNE)			18	8	10	100
Ph.D			01	01	00	---

*M=Male *F=Female

27. Diversity of Students

Name of the Course	Year	% of students from the same state	% of students from other States	% of students from abroad
UG	2016-17	78	22	Nil
	2015-16	68	32	
	2014-15	55	45	
	2013-14	65	35	
	2012-13	66	34	
PG	2016-17	100	00	
	2015-16	100	00	
	2014-15	100	00	
	2013-14	80	20	
	2012-13	85	15	

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

05

29. Student progression

Student progression	Against % enrolled
UG to PG	15.2 %
PG to M.Phil.	---
PG to Ph.D.	2
Ph.D.to Post-Doctoral	---

Employed ➢Campus selection	2012-13: 96 offers 2013-14: 112 offers 2014-15 : 119 offers 2015-16: 86 offers
Entrepreneurship/ Self-employment	2012-13: 02 2013-14: 01 2014-15 : 01 2015-16: 01

30. Details of Infrastructural facilities

a) Library

- The department has a library started in 2001 which has 428 volumes of books in various categories and 1178 text books.
- In addition to the above, complimentary copies, CD's, journals, conference proceedings, more than 700 reports are present in the department library.

b) Internet facilities for Staff & Students

- Wi-Fi facility for all the staff and students
- 45 MBPS bandwidth for the department

c) Class rooms with ICT facility

- Most of the class rooms are provided with projectors and the laboratory has portable projectors.
- Portable speakers and mike are available as teaching tools for the faculty members.
- Over Head Projectors can be availed for the teaching purpose in the class.
- Total 4 projectors are available.

d) Laboratories

The department has laboratories with well equipped computing environment.

Sl. No.	Name of the laboratory/workshop	Total Area of lab/ workshop (in sqm)	Major equipment
1.	DBMS LAB	157.8	25 Systems of high end configuration, 1 Printer
2.	Software Testing LAB	89.10	25 Systems of high end configuration, 1 Printer
3.	EC & LD LAB	81.60	CRO (6) , Function Generator (8) , Digital Trainer Kit (6), 1 Printer
4.	Microprocessor LAB	81.60	25 Systems of high end configuration, 1 Printer
5.	DS & OOPS LAB	81.60	25 Systems of high end configuration, 1 Printer

6.	SS & OS LAB	78.13	25 Systems of high end configuration, 1 Printer
7.	WP / FS LAB	89.10	25 Systems of high end configuration, 1 Printer
8.	Netwroks/Project LAB	157.8	25 Systems of high end configuration, 1 Printer
9.	ADA LAB	81.60	25 Systems of high end configuration, 1 Printer
10.	CCP LAB	157.8	25 Systems of high end configuration, 1 Printer
11.	Research Lab	36.00	25 Systems of high end configuration, 1 Printer

31. Number of students receiving financial assistance from college, university, Government or other agencies: scholarship,

Sl. No.	Year	No. of Students	Total Amount
1.	2013-14	3	35000/-
2.	2014-15	4	Gold Medal
3.	2015-16	4	Gold Medal

32. Details on student enrichment programmes (special lectures/ workshops/Seminar) with external experts

Sl. No.	Year	Title of the Special Lectures / Workshops/ Seminar
1.	18/08/2012	Free Software Movement
2.	03/11/2012	Leader ship program
3.	10/04/2013	Career related to management and courses abroad
4.	06/04/2013	Advances In Java
5.	17/09/2013	Information security and cyber forensics and ethical hacking
6.	10/10/2013	Courses on Java android and Big data analytics
7.	25/04/2014	Data storage technology-Learning objectives
8.	17/03/2014	Advances of Certification courses in IT field
9.	19/09/2014	Mobile app development from scratch
10.	06/11/2014	Academic IT Projects
11.	02/11/2015	Success road to pursue higher studies
12.	22/04/2015	Business Intelligence

33. Teaching methods adopted to improve student learning Department wise

There are different methods that has been adopted by ISE department to improve student learning

- Case study, Motivating individual plays, group discussion, research papers &

live projects

- Power Point Presentation in the classroom
- Industry visit by students accompanied by faculties
- Beyond syllabus discussion, Guest Lectures and Invited Talks

The department ensures that;

- The students are provided with state of art infrastructure, technology and equipment required to carry on the learning process in a more synchronized manner.
- The teaching methods adopted are well in consonance with the industry needs
- Hands on experience in the respective fields are provided to the students in the form of entrepreneurial ventures and field visits.
- The skills and knowledge of the teachers are upgraded regularly to make them well versed with the latest industry trends so that they can convey Knowledge of the latest trends and techniques to the students.
- Course Files and Lab Manuals are prepared for Effective Instructions.
- Teaching is supplemented with "discussion and interaction" wherever needed with feedback suggestions.

The following methods are adopted for the course delivery in the classrooms for Theory and Laboratory Sessions

a. Lectures: The lectures conducted for every course are there to infuse and develop in the students the analytical, conceptual, presentation, communication and application oriented skills.

b. Teaching Tools: PPT and Videos are used that provide a platform for incorporating a variety of different kinds of multi-media file-types.

c. Practical: The practical sessions are ideal testing grounds for students to apply and test the concepts taught. Modern laboratories are an integral part of our institute with well equipped and modern equipment in accordance with industrial standards.

d. Internal Assessment Test: Every semester for each subject, 3 IA Tests are conducted to test the knowledge of the students. The student's performance is evaluated for each subject in each test and the average of best of 2 tests is awarded as their internal marks at the end of the semester.

e. Group Discussions: Group discussions are conducted among the students to increase awareness of the world wide events and their effects and also to enhance interpersonal skills – the ability to either convince others or get convinced.

f. Workshops, Seminars, Guest Lectures: Workshops, Seminars, Guest Lectures are conducted on all topics to provide a platform for deliberation and knowledge sharing. Best industrial and corporate professionals are brought to the campus to give extra input to the students on the current topics relevant to their area of specialization.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities Department wise

The department has started and supported various clubs / associations to sensitize the faculty and students on Institutional Social Responsibilities. We have National Service Scheme and some of the social outreach clubs, which have created an impact on the students‟ campus experience.

Some of the activities arranged through these clubs are:

1. Contribution for the welfare of Home for the aged.
2. Distribution of basic commodities to Blind School students.
3. Awareness programs of social responsibilities.
4. Contribution for the welfare of many orphanages.
5. Blood donation campus.
6. NSS Camps (Village adaption)
7. Distributions of School Text books & stationeries to schools.
8. Independence Day Celebration

Extension activities Department wise

1. Community service, Faculty trip, Visits to orphanage and provide support for the development of children.
2. Tree Plantation
3. International Women's Day Celebrations
4. Birthday celebration of the staff

35. SWOC analysis of the department and Future plans Department wise

Strengths	**Weaknesses**
➢ High-quality Input in terms of UG & PG students ➢ Strong Industry Linkages through Practice School programme ➢ Flexible, broad-based, credit-oriented curricular structure ➢ Availability of good infrastructure ➢ Qualified and dedicated Faculty and Staff ➢ Strong focus on Teaching and Learning ➢ Wi-Fi connectivity in campus ➢ Utilization of Technological Advancements ➢ Full-fledged library facility with ideal number of volume	➢ The Department has to increase the amount of research activities ➢ Lack of product development and patents ➢ Lack of consulting assignments undertaken
Opportunities	**Challenges**
➢ Continuing education for intellectual enrichment ➢ Becoming a leader in interdisciplinary and integrated learning. ➢ Opportunity to build an undergraduate	➢ Attracting quality faculty has been a challenge ➢ Reduced public funding of higher education ➢ Paucity of time for completion of VTU

experience in the competitive world ➢ Need for attracting better-quality students at Higher Degree and Ph.D levels ➢ Formulation of new programmes ➢ Improving research-ecosystem by incentivizing and supporting research ➢ Attracting international students and faculty	syllabus as per the prescribed term. ➢ Emerging competition from nearby Govt. universities and small private universities ➢ Maintaining healthy balance between teaching and research domain ➢ Improving quality of publications ➢ Improving research funding ➢ Enhancing extent of research collaboration with industry ➢ To deal with students who are not inclined towards the progress of the course

V. Electrical & Electronics Engineering

1. Name of the department

Electrical & Electronics Engineering

2. Year of Establishment

2004

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Bachelor of Engineering in Electrical & Electronics Engineering

4. Names of Interdisciplinary courses and the departments/units involved

Nil

5. Annual/ semester/ choice based credit system (programme wise)

Semester Scheme & Choice Based Credit System from academic year 2015-16

6. Participation of the department in the courses offered by other departments

Nil

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

8. Details of courses/ programmes discontinued (if any) with reasons.

Nil

9. Number of Teaching posts

Sl. No.	Designation	Sanctioned	Filled
1.	Professors	1	2
2.	Associate Professors	3	3
3.	Asst. Professors	10	13

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sl. No.	Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D. Students guided for the last 4 years
1.	Dr. BabuN. V	Ph.D	Prof. & HOD	WSN & ES	14	03(guiding)
2.	Dr. Mamatha Mahesh Gowda	Ph.D	Prof.	Motor drives and controls	12.8	-
3.	Mrs. Lalithamma G.A.	M.E, (Ph.D)	Assoc.Prof.	Power Electronics	15.8	-
4.	Mr.Chandrashekar M J	M.E, (Ph.D)	Assoc.Prof.	Power & Energy Systems	14.7	-
5.	Mrs. Rekha P S	M. Tech., (Ph.D)	Assoc.Prof.	CSE	13.7	-
6.	Mr.Sandeep S R	M. Tech, (Ph.D)	Asst. Prof.	Power System	11.7	-
7.	Mr.Dwarakanath S K	M. Tech, (Ph.D)	Asst. Prof.	Electronics	7.10	-
8.	Mrs. Hemalatha B K	M. Tech	Asst. Prof.	VLSI & ES	5.7	-
9.	Mrs. Prarthana J V	B.E, M. Tech	Asst. Prof.	VLSI & ES	8.7	-
10.	Mr.Sridhar J P	M. Tech, (Ph.D)	Asst. Prof.	Power systems	9.3	-
11.	Mr.Vijay Kumar K	M.E	Asst. Prof.	Power & Energy Systems	5.8	-
12.	Mrs. Chandana V	M. Tech	Asst. Prof.	Energy Systems & Management	4.7	-
13.	Mrs. Tarakeshwari V	M. Tech	Asst. Prof.	Power Electronics	5.2	-
14.	Mrs. Deepti H.L	M. Tech	Asst. Prof.	Energy Systems &	3.8	-
15.	Mrs. Vidyashree M.S	M. Tech	Asst. Prof.	VLSI Design	3.2	-
16.	Mrs. Rashmi R	M. Tech	Asst. Prof.	Power Electronics	2.5	-
17.	Mrs. Neetha C	M. Tech	Asst. Prof.	Digital Electronics	2.2	-
18.	Ms. Deepthi D	M. Tech	Asst. Prof.	Power Electroncis	1.0	-

11. List of senior visiting faculty

Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Nil

13. Student -Teacher Ratio (programme wise)

1:12

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No.	Designation	Sanctioned	Filled
1.	Technical staff	6	6
2.	Administrative staff	2	2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

As per table mentioned in Sl. No. 10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Sl. No.	Project Title	Primary Investigator/ Designation with Dept.	Funding Agency	Amount
1.	A solution to remote detection of illegal electricity usage via power line commn.	Chandrashekar M J/ Assoc. Prof./ Dept. of EEE	KSCST	5000

18. Research Centre /facility recognized by the University

Nil (Applied for the academic year 2017-18)

19. Publications

a) **Publication per faculty:** 05

Sl. No.	Staff Name	Total Journals/ Conferenc e	International DB	Monograph	Citation Index	I-factor	h-index
1.	Dr. Babu N. V	10	07	-	11	-	2
2.	Dr. Mamatha Mahesh Gowda	04	04	-	5	-	1
3.	Mrs. Lalithamma G.A.	04	04	-	-	5.016	-
4.	Mr. Chandrashekar M J	05	05	-	4	3.2, .652, 5.62	1
5.	Mrs. Rekha P S	05	01	-	-	5.016	-
6.	Mr. Sandeep S R	05	04	-	-	5.016	-
7.	Mr. Dwarakanath S K	06	03	-	-	5.016	-
8.	Mrs. Hemalatha B K	04	03	-	-	5.016	-
9.	Mrs. Prarthana J V	05	-	-	-	-	-

10.	Mr. Sridhar J P	04	04	-	-	3.5	-
11.	Mr. Vijay Kumar K	02	02	-	-	5.016	-

20. Areas of consultancy and income generated

Nil

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards

Sl. No.	Name of the faculty	Name of the journal/ Conference	Role of the faculty
1.	Dr. Babu N V	IEEE International Conference RTEICT 2016 IEEE International Conference ITACT 2015	Session Chair & Reviewer

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

Academic Year	Total Batches (UG+PG)	No. of In house Project Batches	Percentage
2015-16	20	19	95
2014-15	19	18	94.73
2013-14	17	13	76.47
2012-13	18	16	88.88
Average Percentage			**88.77**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies

Academic Year	Total Batches (UG+PG)	No. of out house Project Batches	Percentage
2015-16	20	1	5
2014-15	19	1	5.26
2013-14	17	4	23.52
2012-13	18	2	11.11
		Average Percentage	**11.23**

23. Awards / Recognitions received by faculty and students

Sl. No.	Name	Faculty/ Student	Nature of Recognition
1.	Mr. Dwarakanath S K	Faculty	National award for Best B.Tech Project at NIT, Kozhikode.

Academic:

Sl. No.	Name	Faculty/ Student	Academic Year	Nature of Recognition
1.	Manasa. K & Shripada. H	Student	2012-2013	National award for Best B.tech Project at NIT, Kozhikode.
2.	Gangadhara, Harish M.V & Gowtham. M.V	Student	2013-2014	Best Fabrication Award
3.	Kumar A.C.	Student	2014-2015	Best Project Award
4.	Ruchi Jha Sahana V Shekar Prajwal	Student	2014-15	Best paper award
5.	Priyanka D Rao	Student	2014-15	VTU 4th Rank
6.	Monisha S	Student	2013-14	VTU 6 th Rank

Sports:

Sl. No.	Name of the student	Academic Year	Tournament/ Venue	EVENT	Prize Won
1.	Varun.A.S	2014-2015	VTU's Intercollegiate yoga competition.	Yoga	Silver medal
		2015-2016	VTU's Intercollegiate single zone yoga(M/W)	Yoga	2nd

24. List of eminent academicians and scientists/Visitors to the department

Sl. No.	Name of the academicians/Visitors	Organization	Purpose of Visit	Date
1.	Mr Ganesh Vishwanathan	Vishwa Jyothi Technologies Pvt.Ltd	Guest lectures	26/10/2016
2.	Mr.Murthy	PACE Engineering Bangalore	Guest lectures	6/10/2016
3.	Dr. Sanjeev Nayak	MSR, University	Workshop	30/1/2017 to 11/2/2017
4.	Dr. S. Pradeepa	BMSCE, Bengaluru	Workshop	30/1/2017 to 11/2/2017
5.	Mr. Chandrasekhar Reddy Atla	Manager, Power S/S division, PRDC, Bengaluru	Workshop	30/1/2017 to 11/2/2017
6.	Dr. Shobha Anand Reddy	Additional Directorr, MGIRED, Bengaluru	Workshop	30/1/2017 to 11/2/2017

7.	Dr.Shivakumar Aradya	CPRI, Bengaluru	Workshop	30/1/2017 to 11/2/2017
8.	Dr. A.N. Nagashree	BMSCE,	Workshop	30/1/2017 to 11/2/2017
9.	Mr. Likith Kumar A. V	ATME, Mysuru	Workshop	30/1/2017 to 11/2/2017
10.	Dr. Keshavan B. K	PES University	Workshop	30/1/2017 to 11/2/2017
11.	Dr. Uma rao	Professor, Dept.of EEE,RVCE	Six days Colloquium	9/1/2016 to 23/1/2016
12.	Mr. Kiran	Executive Engineer, KPTCL(Planning)	Six days Colloquium	9/1/2016 to 23/1/2016
13.	Dr. Arunachalam	General Manager(Retd.), BHEL, HOD., Dept. of EEE	Six days Colloquium	9/1/2016 to 23/1/2016
14.	Dr. G.R. Gurumurthy.	Professor, Dept.ofEEE,TOCE	Six days Colloquium	9/1/2016 to 23/1/2016
15.	Mr. Chandrashekaraiah	Executive Engineer, KPTCL (SCADA)	Six days Colloquium	9/1/2016 to 23/1/2016
16.	Dr. Ramachandran	General Manager(Retd.),BHEL	Six days Colloquium	9/1/2016 to 23/1/2016
17.	Dr. Maruthiprasanna	AE, KPTCL	Six days Colloquium	9/1/2016 to 23/1/2016
18.	Dr. Shankar	Professor, Dept. of EEE., Dr.AIT	Six days Colloquium	9/1/2016 to 23/1/2016
19.	Dr. B.G. Nagaraj	HOD, Dept. of ECE, JIT, Davanagere	Six days Colloquium	9/1/2016 to 23/1/2016
20.	Mr. Srinath and Ravi Huddar	AUTMAC Solution	Workshop for students	29/10/2015
21.	Kalyan Ram B and team	Electrono Solution Pvt. Ltd	Workshop for students	3/3/2015 to 7/3/2015
22.	Mr. Rahul Vylen	IMTMA-BIEC, Bengaluru	Guest Lecture	17/5/2016
23.	Mr.Durga Prasanna	AGIIT, Bengaluru	Guest Lecture	16/2/2016
24.	Dr. Meena	Professor, EEE, BMS College of Engg.	Guest Lecture	7/10/1015
25.	Mr. Kumaraswamy	VV Technologies, Tumkur.	Guest Lecture	1410/2015
26.	Prof. Kumar	BNMIT, Bangaluru	Seminar	27/4/2015
27.	Eminent person in collaboration with PRDC	PRDC, Bangaluru	Seminar	28/3/2015
28.	Mr. Srinath and Ravi Huddar	AUTMAC Solution	Workshop for students	29/8/2015 to 31/8/2015
29.	Chandrashekar Reddy Atla	Manager, Power S/S division, PRDC, Bangaluru	Workshop for students	29/8/2015 to 31/8/2015
30.	Dr. Uma Rao	Professor, Dept.of EEE,RVCE	Workshop for students	29/8/2015 to 31/8/2015
31.	Mr. Moorthy M.N	Director, power system training institute	Workshop for students	29/8/2015 to 31/8/2015
32.	Mr. Yash Veer Singh	Research Engg. GE India technology , Bangaluru	Workshop for students	29/8/2015 to 31/8/2015

33.	Dr. C.Vyjayanthi	Professor NIT, Goa	Workshop for students	29/8/2015 to 31/8/2015
34.	Mr. Bindhu Madhav	Cdack	Workshop for students	29/8/2015 to 31/8/2015
35.	Mr. Faraz Zafar Khan	Senoir Engg. PRDC,	Workshop for students	29/8/2015 to 31/8/2015
36.	Mr. Babunarayanan	Chief technical Advisor, PRDC, Bangaluru	Workshop for students	29/8/2015 to 31/8/2015
37.	Mr. Sudarshan	KPTCL, Bengaluru	Guest Lecture	25/4/2015
38.	Mr. Kiran Kumar	UPT, Bangaluru	Guest Lecture	25/2/2015
39.	Mr. Gadhadar Changalaraya	NoPo Nanotechnology India Pvt Ltd, Bangaluru	Guest Lecture	23/8/2014
40.	Mr. Shashikiran	Intelligent Technology Pvt Ltd, Bangaluru	Guest Lecture	29/10/2014
41.	Mr. Keshava Prasad	M.R from Himlite Products(India), Bangaluru	Guest Lecture	21/3/2014
42.	Mr. Kumar A	Associate professor, BNMIT, Bangaluru	Guest Lecture	12/4/2014
43.	Experts from Gill Instruments	Gill Instruments, Bangaluru	Seminar	10/8/2014
44.	(M. Kishore Varma)Experts from EPT Labs	EPT Labs, Bangaluru	Seminar	20/9/2014
45.	Dr. M.N Dinesh	Professor, RVCE, Bangaluru	Guest Lecture	31/8/2013
46.	Mr. Ramesh Kumar	Energy Solution Pvt. Ltd, Bangaluru	Seminar	8/5/2014
47.	Dr. Rudranna Nandihalli	RVCE, Bangaluru	Seminar	29/4/2014
48.	Dr. Anitha	Asso.Professor, RVCE, Bangaluru	Guest Lecture	7/3/2013
49.	Mr. V Keshava Murthy	Professor, Dr. AIT, Bangaluru	Guest Lecture	14/5/2013
50.	Dr. K Uma rao	Professor, RVCE, Bangaluru	Guest Lecture	31/8/2012
51.	Prof. Shankar C.B	Professor, Dr. Acharya Institute of Technology, Bangaluru	Guest Lecture	8/11/2013
52.	Dr. TGK. Murthy	ISRO, Bangaluru	Seminar	3/4/2013

25. Seminars/ Conferences/ Workshops organized and the source of funding

Sl. No.	Year	Title of the Seminars/Conferences/Workshops	National /Internatinal	Source of funding (self financing / Sponsorship)
National Conferences				
1.	7-5-2016	7th National Conference On Advance Techniques in Electrical & Electronics	National	Self

		Engg.-NCATEE-16		sponsored
2.	9-5-2015	6th National Conference On Advance Techniques in Electrical & Electronics Engg.-NCATEE-15	National	Self sponsored
3.	10-5-2014	5th National Conference On Advance Techniques in Electrical & Electronics Engg.-NCATEE-14	National	Self sponsored
4.	04-5-2013	4th National Conference On Advance Techniques in Electrical & Electronics Engg.-NCATEE-13	National	Self sponsored
Workshops				
1.	3-01-2017 to 11-01-2017	Automatic generation Control & grid integration of renewable energy siurces	National	Self sponsored
2.	3-01-2017 to 11-01-2017	Elecrtomechanical & numerical protection relay & PV sub systems	National	Self sponsored
3.	3-01-2017 to 11-01-2017	Embeded system Design leading to development of projects	National	Self sponsored
4.	30-3-2016 to 2-4-2016	A Four Days Workshop For Over view On Plc & Drives	National	Self sponsored
5.	26-7-2016 to 30-7-2016	5 Days workshop on "Research issues & challenges in power system operation: Distributed generation, Micro grid and Renewable Integration"	National	Self sponsored
6.	29-10-2015 to 31-10-2015	3 Days workshop on "Electrical Control Panel Circuit" In collaboration With Autmac Solution.	National	Self sponsored
7.	3-3-2015 to 7-3-2015	5 Days workshop on Introduction to Matlab & Its Applications.	National	Self sponsored
8.	19-8-2014 to 21-8-2014	3 Days Workshop on Plc Automation.	National	Self sponsored
9.	20-2-2014 to 22-2-2014	3 Days Colloquium for Students on "Emerging Trends in Power Systems & Power Electronics Research".	National	Self sponsored
Faculty Development Programs				
1.	18-1-16 to 23-1-16	Six Days Colloquium on Research Advances in power & Energy Engineering.	National	Self sponsored
2.	25-7-2013 to 27-7-2013	Advances in Renewable and power ngineering.	National	Self sponsored

26. Student Profile programme/course wise

Name of the Course / programme	Academic Year	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
BE in EEE	2016-17	NA	48	27	21	---
	2015-16		39	14	25	89.75
	2014-15		49	31	18	93.87
	2013-14		53	35	18	81.83
	2012-13		59	43	16	79.66

*M=Male *F=Female

27. Diversity of Students

Sl. No.	Name of the Course	% of students from the same state	% of students from other states	% of students from abroad	Academic Year
1.	B.E.	75	25	Nil	2016-17
2.	B.E.	89.33	10.66	Nil	2015-16
3.	B.E.	67.20	32.8	Nil	2014-15
4.	B.E.	76.67	23.33	Nil	2013-14
5.	B.E.	69.82	30.18	Nil	2012-13
6.	B.E.	64.78	35.22	Nil	2011-12

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, civil services, Defense services, etc.

Sl. No.	Name of the student	Exam	Year of Passing
1.	Monica K.M.	Gate	2014
2.	Deepthi	KPTCL	2014
3.	Divyashree	BESCOM	2013

29. Student Progression

Student progression	Against % enrolled
UG to PG	5.4 %

PG to M.Phil.	-
PG to Ph.D.	-
Ph.D.to Post-Doctoral	-
Employed ➢ **Campus selection** ➢ Other than campus recruitment	2013- 19 offers 2014- 32 offers 2015- 37 offers 2016- 19 offers
Entrepreneurship / Self-employment	Naveen kumar N.S.(2011-14) - Contractor Kalidasa (2011-2014) - Contractor Vikram (2010-2013) – Interior designer Yogesh Gowda (2008-12) – Elekpro Technologies

30. Details of Infrastructural facilities

a) Library

- The department has a library started in 2003 which has 1362 volumes of books in various categories and 681 text books.
- In addition to the above, complimentary copies-06, conference proceedings-67, more than 700 reports are present in the department library.

b) Internet facilities for Staff & Students

- Wi-Fi facility for all the staff and students.
- 45MBPS bandwidth for the department.

c) Class rooms with ICT facility

- Class rooms are provided with projectors and the laboratory has portable projectors.
- Portable speakers and mike are available as teaching tools for the faculty members.
- Apples DPD is used for one to many digital teaching

d) Laboratories

The department has five laboratories with well equipped computing environment.

Sl. No.	Name of the Lab	Area in Sq.mt.	Major Equipment's in the Lab

1	Analog Electronics CircuitLab	96.7	CRO's,DC Power Supplies, Function Generators, Dual power supplies, DC Power Supplies
2	Logic Design Lab	89.6	IC Trainer Kits, IC tester
3	Power Electronics Lab	96.7	IGBT, MOSFET Modules, Induction Motor, Universal Motor, D C Motor, Power, Power supply. Dimmer stat, UJT firing circuits, Isolation transformers, SCR turn-off ckt using, LC ckt. Digital firing ckt.R and RL load Rectifier Ckt
4	Microcontroller Lab	89.6	Microcontroller kits 8051, DAC kit, Stepper motor kit, Elevator kit, DC motor kit, Calculator kit, Elevator kit, Power supply, Computer systems, Seven segment kit, key board kit, MSP 430 inter facing kit
5	Transformer & Induction Machine Lab	110.5	Microcontroller kits 8051, DAC kit,Stepper motor kit, Elevator kit,DC motor kit, Calculator kit,Elevator kit, Power supply,Computer systems,Seven segment kit, key board kit, MSP 430 inter facing kit
6	Circuits Simulation and Measurements Lab	89.6	Kelvin Double Bridge unit, Desuty's Bridge unit, Maxwell Inductance bridge unit, Energy Meter, Resistive and lamp Load, Inductive load, transformer, Current transformers, Dimmer start, Cathode Ray Oscilloscopes (CRO),Watt meters, Ammeters, Megger, Bridge oscillator
7	Controls System Lab	89.6	AC and DC Servo Motor unit, First and Second Order System unit,PID Controller unit, Lead lag network unit, Mat lab Software.
8	CAED Lab	88	Computer systems
9	Power System Simulation Lab	88	Mi-power Software, Computer systems (Intel P4)
10	DC Machine and Synchronous Machine Lab	110.5	D.C Rectifier 220V, 100amps, D.C distribution panel,A.C distribution panel,DC compound motor 3 HP coupled to 2.2kva compound,generator with control panel,5HP synchronous motor with mechanical load, 5HP DC motor coupled to 3KVA alternator,
11	High Voltage Lab	125.7	Electro mechanical type, Over current & voltage relay, Solid state type Over voltage& current relay. Microprocessor Based Numerical Over/ Under voltage relay,Single Phase Current injection source,Single phase Voltage injection source,Three phase current injection sourceThree phase voltage injection source, 60 KV oil break down tester Electrolytic tank for field mapping with electrodes and control panel,Merz-price scheme for generator,Motor protection panel ,30/40KV AC/DC High voltage panel sphere gap electrodes, point to point electrodes, plane to plane electrodes and Negative & Differential Relay

31. Number of students receiving financial assistance from college, university, government or other agencies

Sl. No.	Academic Year	Number of Students
1.	2016-17	64
2.	2015-16	41
3.	2014-15	14
4.	2013-14	14

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts

Sl. No.	Name of the Program	Conducted by	Date
1.	Seminar on Control Engineering Application	Prof. Kumar BNMIT, Bangaluru	27/4/2015
2.	Seminar on Energy Auditing and its importance in Industry	Eminent person in collaboration with PRDC	28/3/2015
3.	Seminar on Embeded systems design using SOC	Experts from Gill Instruments	10/8/2014
4.	Seminar on Robotics in collaboration with EPT Labs	M. Kishore Varma, EPT Labs, Bangaluru	20/9/2014
5.	Seminar on Automation in Electrical Engineering	Mr. Ramesh Kumar Energy Solution Pvt. Ltd, Bangaluru	8/5/2014
6.	Seminar on Advantages and applications of HV generation and Transmission	Dr. Rudranna Nandihalli RVCE, Bangaluru	29/4/2014
7.	Seminar on Insight in to projects on Renewables and other disciplines	Prof Chandra Mohan Bangalore	7/9/2013
8.	Seminar on Industrial Automation using PLC and SCADA system	Mr.Srinath Bangalore	30/10/2-13
9.	Seminar on Jpurney of ISRO from Bullock carts to moon	Dr. TGK. Murthy ISRO, Bangaluru	3/4/2013
10.	Guest lecture on Drives & Controls	Mr. Ganesh Vishwanathan Vishwa Jyothi Technologies Pvt.Ltd	26/10/2016
11.	Guest lecture on AC/DC Drive and process Automotation	Mr.Murthy PACE Engineering Bangalore	6/10/2016
12.	Guest lecture on oppourtunities in Manufacturing Industry for Fresh Engineers	Mr. Rahul Vylen IMTMA-BIEC, Bengaluru	17/5/2016
13.	Guest lecture on Advanced Industrial Automation Technology & Robotics	Mr.Durga Prasanna AGIIT, Bengaluru	16/2/2016
14.	Guest lecture on DSP Applications in Power Engineering	Dr. Meena Professor, EEE, BMS College of Engg.	7/10/1015
15.	Guest lecture on Recent Advances in Embeded Systems	Mr.Kumar Swamy VV Technologies, Tumkur.	1410/2015

16.	Guest Lecture on High Volatge Insulation And Its advantages	Mr. Kiran Kumar UPT, Bangaluru	25/2/2015
17.	Guest Lecture on Overview on Nano Technology And Its application	Mr. Gadhadar Changalaraya NoPo Nanotechnology India Pvt Ltd, Bangaluru	23/8/2014
18.	Guest Lecture on Intelligent Transformers role Electrical engineering	Mr. Shashikiran Intelligent Technology Pvt Ltd, Bangaluru	29/10/2014
19.	Guest Lecture on Switch Gear and protective devices in Electrical engineering	Mr. Keshava Prasad M.R from Himlite Products(India), Bangaluru	21/3/2014
20.	Guest Lecture on Control Engineering And its application in Electrical Engineering	Mr. Kumar A Associate professor, BNMIT, Bangaluru	12/4/2014
21.	Guest Lecture on Insulation and High voltage Engineering to other disciples from Industry perspective	Dr. M.N Dinesh Professor, RVCE, Bangaluru	31/8/2013
22.	Guest Lecture on Renewable energy and its Importance in modersn Era	Dr. Anitha Asso.Professor, RVCE, Bangaluru	7/3/2013
23.	Guest Lecture on Electrical assembly drawing using CAD tools	Mr. V Keshava Murthy Professor, Dr. AIT, Bangaluru	14/5/2013
24.	Guest Lecture on Integration of Electrical Engineering to other disciples on tndustry perspective	Dr. K Uma rao Professor, RVCE, Bangaluru	31/8/2012
25.	Guest Lecture on Power system and reactive power	Prof. Shankar C.B Professor, Dr. Acharya Institute of Technology, Bangaluru	8/11/2013
26.	Workshop on Automatic Generation Controland Grid Integration of RES	Dr. Sanjeev Nayak MSR, University	30/1/2017 to 11/2/2017
27.		Dr. S. Pradeepa BMSCE, Bengaluru	
28.		Mr. Chandrasekhar Reddy Atla Manager, Power S/S division, PRDC, Bengaluru	
29.		Dr. Shobha Anand Reddy Additional Directorr, MGIRED, Bengaluru	
30.		Dr.Shivakumar Aradya CPRI, Bengaluru	
31.		Dr. A.N. Nagashree BMSCE,	
32.		Mr. Likith Kumar A. V ATME, Mysuru	
33.		Dr. Keshavan B. K PES University	
34.	Six days Colloquium on Research Advances in power and Energy Engineering	Dr. Uma rao Professor, Dept.of EEE,RVCE	18/1/2016 to 23/1/2016
35.		Mr. Kiran Executive Engineer, KPTCL(Planning)	
36.		Dr. Arunachalam General Manager(Retd.), BHEL, HOD., Dept. of EEE	

37.		Dr. G.R. Gurumurthy. Professor, Dept.ofEEE,TOCE	
38.		Mr. Chandrashekaraiah Executive Engineer, KPTCL (SCADA)	
39.		Dr. Ramachandran General Manager(Retd.),BHEL	
40.		Dr. Maruthiprasanna AE, KPTCL	
41.		Dr. Shankar Professor, Dept. of EEE., Dr.AIT	
42.		Dr. B.G. Nagaraj HOD, Dept. of ECE, JIT, Davanagere	
43.	Workshop Electrical Control Panel Circuit" In collaboration With Autmac Solution	Mr. Srinath and Ravi Huddar AUTMAC Solution	29/10/2015 to 31/10/15
44.	Workshop Introduction to Matlab & Its Applications.	Kalyan Ram B and team Electrono Solution Pvt. Ltd	3/3/2015 to 7/3/2015
45.	Workshop Emerging Trends in Power Systems & Power Electronics Research	Mr. Srinath and Ravi Huddar AUTMAC Solution	20/02/2014 to 22/02/2014
46.		Chandrashekar Reddy Atla Manager, Power S/S division, PRDC, Bangaluru	
47.		Dr. Uma Rao Professor, Dept.of EEE,RVCE	
48.		Mr. Moorthy M.N Director, power system training institute	
49.		Mr. Yash Veer Singh Research Engg. GE India technology , Bangaluru	
50.		Dr. C.Vyjayanthi Professor NIT, Goa	
51.		Mr. Bindhu Madhav Cdack	
52.		Mr. Faraz Zafar Khan Senoir Engg. PRDC	
53.		Mr. Babunarayanan Chief technical Advisor, PRDC, Bangaluru	

33. Teaching methods adopted to improve student learning

Firstly, different methods adopted to improve student learning are

- Power Point Presentation in the classroom
- Industry visit by students accompanied by faculties
- Beyond syllabus discussion

The teaching methods adopted by EEE Department are very innovative including maximum practical exposure.The department ensures that:

- The students are provided with state of art infrastructure, technology and equipment required to carry on the learning process in a more synchronized manner.

- The teaching methods adopted are well in consonance with the industry needs and are updated on a regular basis
- Hands on experience in the respective fields are provided to the students in the form of entrepreneurial ventures and field visits.
- The skills and knowledge of the teachers are upgraded regularly to make them well versed with the latest industry trends so that they can impart Knowledge of the latest trends and techniques to the students.
- Course Files and Lab Manuals are prepared for Effective Instructions.
- Teaching is supplemented with "discussion and interaction" wherever needed.

Secondly, the following methods are adopted for the course delivery in the classrooms fortheory and in the laboratory during practical.

	Content delivery methods	**Knowledge gained**
Theory Classes	• Lecture • PPT • Video presentation • E-learning	• Basic principles, analytical methods, problem formulation • Topics beyond the syllabus
Laboratory	• PPT • Experiment Explanation • Implementation of experiment	• Exposure to basic concepts learnt in the theory classes • Design the program necessary for the required application

a.Lectures: The lectures conducted for every course are there to infuse and develop in the students the analytical, conceptual, presentation, communication and application oriented skills. The class rooms and lecturehalls are well equipped with modern teaching aids like multimedia projectorsand computers with internet connectivity which help to make teaching more interesting and interactive for students.Interactive lectures provide strategies and specific examples of techniquesand activities designed to involve students in large and small lecture-basedclasses.

b. Teaching Tools: PPT and Videos are used which provide a platform fo rincorporating a variety of different kinds of multi-media file-types.This enhances the subject knowledge and helps inknowing the development in technology.

c. Practical: The practical sessions are ideal testing grounds for students toapply and test the concepts taught. Modern laboratories are an integral partof our institute. A centralized computer center for all departments maintainsspecialized labs, well equipped with modern equipment in accordance withindustrial standards.

d. Internal Assessment Test: Every semester for each subject 3 IA Tests

areconducted to test the knowledge of the students. The student's performanceis evaluated for each subject in each test and the average of best of 2 tests isawarded as their internal marks at the end of the semester.

e. Group Discussions: Group discussions are conducted among the students toincrease awareness of the world wide events and their effects and also toenhance interpersonal skills – the ability to either convince others or getconvinced. During this activity, the students are expected to well preparedabout the topic, to abide by the norms during the discussion and also torespond to the feedback with a more logical and assertive approach.

f.Workshops, Seminars, Guest Lectures and Extension Lectures: Workshops, Seminars, Guest Lectures and Extension Lectures are conducted on all topicsto provide a platform for deliberation and knowledge sharing. Best industrialand corporate professionals are brought to the campus to bring the practicaland application practices from the actual working environment and giveextra input to the students on the current topics as well as the topics whichare relevant to their area of specialization.

g.Internship: In this the students are deputed to work in an organization related to their professional field and thus get trained in that organization. Theyusually work on a project for the entire duration.

Thirdly,The institute has also adopted outcome based education (OBE) system to improve the teaching learning process. Under OBE the following teachinglearning methods are adopted for each subject being taught:

a. Assignments: The objective of assignments is to give students an exposure tothe type of questions they can expect in examination and also the way theanswers or solutions need to be written in the examination. For each semestertwo assignments need to be submitted by each student. Each assignmentconsists of 2 to 3 standard questions referred from university question papers.

b. Tutorials: Tutorials give opportunities to every student to talk about materialbeing taught, ask questions and discuss material with their classmates and adesignated tutor in a smaller group. The students are free to ask anyquestions that crop up in their minds while listening to lectures and attending tutorials. The teachers make sure to answer these queries in the best way astudent can understand.

c. Quiz: In order to enable the recapitulation and evaluation of the conceptstaught in lectures, a quiz is conducted before the commencement of internalassessment test. Two such quizzes are conducted every semester. Each quizconsists of 15 questions. The students are divided into groups depending onstrength of the class and questions are asked to each group.

d. Course Seminar: The objective of course seminar is to encourage the students to explore the subject, beyond syllabus and engage them in self learning.Further

this will help the students in developing their written & presentationskills and also to keep themselves updated on the contemporary topics andissues in their field of study. Here groups comprising of two or three studentsare made.

e. Course Project: The objective of course project is to encourage the students to identify, design and implement a mini-project and in the process learn how to apply all the theoretical aspects to a practical problem. Learn working in ateam as a member/leader and imbibe professional & ethical attributes. Here groups comprising of two or three students are made.

All faculty members maintain records related to various OBE activities in their course files.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Conducting and Participating in Blood donation camps
- Community service
- Faculty trip
- Visits to orphanage and provide support for the development of children

Under NSS Activities:

- NSS day celebrations
- NSS Camp (Village adaption)
- Tree Plantation
- International Women¡¦s Day Celebrations
- Independence Day Celebration
- Republic Day Celebration

35. SWOC analysis of the department and future plans

A framework for analyzing a firm's strengths weaknesses, opportunities, and Challenge

Strength of the department:

1. Quality (Best institute according to Data Quest)
2. Well Experienced, Dedicated, and Committed Faculty and Staff
3. Good Infrastructure and ambient environment for learning
4. Alumni
5. Scope for research
6. Expertise in teaching non-traditional students
7. Comprehensiveness, quality, and growth of online education

8. Full-time faculty teach most classes, and there is a strong bond and a high level of interaction between faculty and students
9. Computer center
10. Wi-Fi connectivity in campus
11. Highest Placements
12. Expertise in teaching non-traditional students
13. Best Teaching practices
14. Digital library
15. Utilization of Technological Advancements
16. Regular conduction of workshops/conferences for faculty and Students

Weakness:

1. No PG course
2. Lack of research center
3. Non existence of academic autonomy.

Opportunities for the Department:

1. Department Visibility at national-level
2. Strength of recruiter relationships
3. Planning to set up Research & Development cell in the Department

Challenges for the Department:

1. More regular industry interaction through projects, consultancy and training
2. Regular faculty development programs

VI. Mechanical Engineering

1. Name of the department

Mechanical Engineering

2. Year of Establishment

B.E. in Mechanical Engineering	2009-10
M.Tech in Machine Design	2013-14
Research centre leading to Ph.D degree	2013-14

3. Names of Programmes / Courses offered

- B.E in Mechanical Engineering
- M.Tech in Machine Design
- Ph.D.in Mechanical Engineering

4. NamesofInterdisciplinarycoursesandthedepartments/units involved

NIL

5. Annual/semester/choice based credit system (program ewise)

Semester system /CBCS for UG from academic year 2015-16 and PG from academic year 2016-17

6. Participation of the departmentin the courses offered by other departments

NIL

7. Courses in collaboration with other universities, Industries, foreign institutions, etc.

NIL

8. Details of courses /programmes discontinued (if any) with reasons

NIL

9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	03	04
Associate Professors	07	03
Asst. Professors	23	24

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. / Ph.D. / M.Phil.etc.,)

Sl. No.	Name	Qualification	Designation	Specialization	No.of Years of Exp.	No.of Ph.D. Students Guided for the last 4 years
1.	Prof. Madhusudan .T	M.Tech, PGDMM, PGDSA, BE	HOD	Machine Design	26	---
2.	Dr. J Satheesh	Ph.D,	Professor	Metal Forming	17	04(Guiding)
3.	Dr. Kiran kumar	Ph.D	Professor	Polymer Composites	17	01(Guiding)
4.	Dr. H K Srinivas	Ph.D,	Professor	Machine Design	24	05(Guiding)
5.	Dr. H R Vitala	Ph.D,	Professor	Machine Design	18	02(Guiding)
6.	Anil kumar G	M.Tech,	Assoc. Prof.	PEST	12.7	---
7.	Girija V	M.Tech	Assoc. Prof.	Machine Design	21	---
8.	Sukanta Roga	Ph.D	Assoc. Prof.	Thermal Engineering	05	---
9.	Shankara D R	M.Tech,	Asst. Prof.	PDM	9.4	---
10.	Gowtham K	M.Tech,	Asst. Prof.	CIM	10.10	---
11.	Manjunath G A	M.Tech,	Asst. Prof.	CAMS	4.9	---
12.	Uday M	M.Tech,	Asst. Prof.	Tool Design	6.2	---
13.	Thirumala S V	BE	Asst. Prof.	Industrial Engg.	7.7	---
14.	M Ravi Kumbar	M.Tech,	Asst. Prof.	Machine Design,	3.6	---
15.	Venkata Ramana Swamy K V	M.E,	Asst. Prof.	Thermal Science and Engg	3.9	---
16.	Abhijith Gowda A R	M.Tech,	Asst. Prof.	Thermal Power Engg,	1.4	---
17.	Vanishree T S	M.Tech,	Asst. Prof.	Machine Design	1.10	---
18.	Sanjay B S	M.Tech,	Asst. Prof.	Machine Design	2.1	---
19.	Namratha G	M.Tech,	Asst. Prof.	Design Engg	0.10	---
20.	Dileep Kumar D J	M.Tech,	Asst. Prof.	CIM	3	---
21.	H R Manjunath Naik	M.Tech,	Asst. Prof.	Industrial Automation,	2.1	---
22.	Harisha M S	M.Tech,	Asst. Prof.	Machine Design,	5.2	---
23.	Karthik Raj K V	M.Tech,	Asst. Prof.	Machine Design,	4.0	---
24.	Bhanupraksh N	M.Tech,	Asst. Prof.	Machine Design Mechanical	0.8	---

25.	Prapul Chandra A C	M.Tech,	Asst. Prof.	Manufacturing Science and Engg	3.2	---
26.	Sachin D	M.Tech,	Asst. Prof.	Machine Design	0.4	---
27.	Gangadhar T G	M.Tech,	Asst. Prof.	Machine Design	13	---
28.	Suma B T	M. E,	Asst. Prof.	Machine Design	3.8	---
29.	Yashvanth Kumar	M.Tech,	Asst. Prof.	Machine Design	4.0	---
30.	Krishnamurthy	M. Tech	Asst. Prof.	Thermal Power Engineering	3.0	---
31.	Rashmi B J	M.Tech	Asst. Prof.	Machine Design	1.3	---

11. List of senior visiting faculty

NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

NIL

13. Student-Teacher Ratio (programme wise):

UG = 16:1, PG = 12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned andfilled

Supporting Staff	**Sanctioned**	**Filled**
	20	20

15. Qualifications of teaching faculty withDSc/D.Litt/Ph.D/MPhil/PG

As per table mentioned in Sl. No. 10

16. Number of faculty with on going projects from a) National b) International funding agencies and grants received

National: 05, details are mentioned is sl. No. 17

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

Nature of the Project	**Duration Year From To**	**Title of the project**	**Name of the funding agency**	**Total Grant**		**Total grant received till date**
				Sanctioned	**Received**	
Major projects	2014-15	Custom made PID controlled IR dis-infestation system	VGST	400000	400000	400000

Minor Projects	2013-14	Design and fabrication of IR food grain dis-infestation	VGST	40000	40000	40000
	2014-15	Design and Fabrication of Solar assisted refrigeration system	KSCST	8000	8000	8000
	2014-15	Study of different curing methods for fiber reinforced polymer composites	KSCST	6000	6000	6000
	2012-13	Design and fabrication of low cost food grain dis-infestation System	KSCST	6000	6000	6000

18. Research Centre/ facility recognized by the University

Visvesvaraya Technological University recognized research Centre

19. Publications

a) Publication per faculty: 4.96

Sl. No.	Staff Name	Total Journals/ Conference	International DB	Monograph	Citation Index	I-factor	h-index
1.	Prof. T Madhusudhan	33	-	-	1	-	1
2.	Dr. J. Satheesh	17	4	-	32	-	3
3.	Dr. Kiran kumar P	16	4	-	21	-	2
4.	Dr. H K Srinivas	20	6	-	28	-	3
5.	Dr. H R Vittala	12	5	-	03	-	1
6.	Dr. Sukanta Roga	22	-	-	-	-	-
7.	Mr. Anil Kumar G	11	-	-	-	-	-
8.	Mr. Gangadhar T G	03	-	-	-	-	-
9.	Mrs. Girija V	01	-	-	-	-	-
10.	Mr. Shankara D R	06	-	-	-	-	-
11.	Mr. Manjunath G A	13	-	-	-	-	-
12.	Mr. Uday M	08	-	-	-	-	-
13.	Mr. Gowtham K	02	-	-	-	-	-
14.	Mr. Ravi Kumbar	03	-	-	-	-	-
15.	Mrs. Vani Shree T S	01	-	-	-	-	-
16.	Mr. Abhijeet Gowda	02	-	-	-	-	-
17.	Mr. Sanjay B S	01	-	-	-	-	-
18.	Mr. Harisha M S	03	-	-	-	-	-
19.	Mr. Manjunath nayak H R	01	-	-	-	-	-
20.	Mr. Prapul Chandra	01	-	-	-	-	-
21.	Mr. Thirumala S V	10	-	-	-	-	-
22.	Mr. Dileep Kumar D J	01	-	-	-	-	-
23.	Mr. Bhanu Prakash M	01	-	-	-	-	-
24.	Mr. Sachin D	01	-	-	-	-	-
25.	Mr. Yashvanth Kumar	01	-	-	-	-	-

20. Areas of consultancy and in come generated:

NIL

21. Faculty as members in National committees b) International Committees c) Editorial Boards

Dr Kiran Kumar P member of editorial committee ***for i managers journal of Material Science***

22. Student projects

a) Percentage of students who have done in-houseprojects including inter departmental/ programme

Academic Year	Batches			No. of In house Project Batches	Percentage
	UG	PG	Total		
2015-16	19	14	33	33	100
2014-15	16	16	32	32	100
2013-14	17	-	17	16	94.11
2012-13	13	-	13	06	46.15
Average Percentage					**85.07**

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/ Industry/ other agencies

Academic Year	Batches			No. of out house Project Batches	Percentage
	UG	PG	Total		
2015-16	19	14	33	0	0
2014-15	16	16	32	0	0
2013-14	17	-	17	1	5.88
2012-13	13	-	13	7	53.85
Average Percentage					**14.93**

23. Awards/ Recognitions received by faculty and students

Sl. No.	Name	Faculty/ Student	Nature of Recognition
1.	Dr. Kiran Kumar P	Faculty	Young Scientist VGST (SMYSR- Seed Money for Young Scientist Research)
2.	Dr H K Srinivas	Faculty	Best Teacher Award YDIT, Bangalore

- Mechanical engineering Dept. won the first prize in Jnana Vignana Mela 2016, held on 18-20 Feb. 2016 at Sri Kshethra Adichunchanagiri Math.

Academic:

Sl. No.	Name	Faculty/ Student	Academic Year	Nature of Recognition
1.	Mr. Ananda G Hegde	Student	2014-15	VTU 7th Rank Holder
2.	Mr. Jagadish	Student	2015-16	VTU 5th Rank Holder
3.	Mr. Ravishek Kumar	Student	2015-16	VTU 9th Rank Holder
4.	Mr. Shivananda G B	Student	2015-16	VTU 1st Rank Holder

24. List of eminent academicians and scientists / visitors to the department

Sl. No.	Name of the eminent Personality	Organization	Purpose of Visit
1.	Dr. Ramanarsimha	Jain university	To enhance the Application of fluid mechanics
2.	Prof. SUNDRESH	RLJIT	To explain current FE method
3.	Mr. Mahadey prasad	Siemens Technology	To demonstrate Automation in manufacturing
4.	Prof. Rajendra kumar	EDURIT	To conduct advance Nano technology and FMS
5.	Akshya kumar	Marketing consultant	Explain to prepare production planning and marketing techniques
6.	Ms. Swathi	Asst system engineer, Mr. Bharath, Resource person, TCS pvt Ltd	Management perspective from fresher's point of view
7.	Mr. Shisri d k,	Development lead, Microsoft India	Seminar on learn, connect, attend, explore, plan
8.	Mrs. Chethana s	Senior engineer, Textron India Pvt. Ltd	Seminar on Composite materials
9.	Mr. Anoop b srinivasan	PABS consultants pvt. ltd.	To explain the dynamics of vehicle suspension
10.	Mrs. Uma shridhar	HRM & OB HEAD at IBS school	Inter personnel skill development
11.	Ms. Jyothi rao	RICS school of built environment	To Build environmental opportunities
12.	Mr. Sathessh	Team leader, cad center	To explain the knowledge of Advanced rapid prototyping
13.	Mr. Jana udayan	Axis Global Institute of Industrial Training	Automation technology in lean manufacturing
14.	Mr. Rajendra	Veda Technologies	Seminar on Digital design
15.	Mr. Vinay B C	Kshipra simulation	Design and analysis of simulation
16.	Mr. Smrutimaya pattanaik	UDVAVISK Technologies	Seminar on Open source power engineering
17.	Mr. Shivakumar s	Triveni turbines pvt ltd	Seminar on Gas turbine
18.	Mr. Avid	Petrocon Institute of piping Engineering,	Seminar on Piping engineering

19.	Mr. Prasad, M.S	Ramaiah university of applied sciences	To explain the current trends on Modular training program

25. Seminars/ Conferences/ Workshops organized & the source of funding a) National b) International

Sl. No.	Year	Title of the Seminars/ Conferences/ Workshops	National /International	Source of funding (self financing / Sponsorship)
1.	2013	Topical transcend in mechanical technology	National	Self financed
2.	2013	Faculty development program on "Flexible manufacturing systems & automations"	National	M-Tab systems
3.	2014	Topical transcend in mechanical technology	National	Self financed
4.	2014	Faculty development program on "Digital manufacturing- A new gen technology"	National	Self financing
5.	2014	Faculty development program on "new Capabilities on soild edge"	National	Self financing
6.	2015	Faculty development program on "Industrial Best practices in design & simulation Engg."	National	Kshipra simulations
7.	2015	Topical transcend in mechanical technology	National	Self financed
8.	2016	Topical transcend in mechanical technology	National	Self financed
9.	2016	Faculty development program on "NBA Accreditation process"	National	Contineo Systems
10.	2016	Faculty development program on "FE Analysis tools & Apllications"	National	Starcom
11.	2016	Self Development program on "Communication Mechanics for technical staff"	National	VETA
12.	2016	Staff Development program on "Communication skills & work ethics for technical staff"	National	Mind Mechanics
13.	2017	Staff Development program on "Inhouse Technical Staff training"	National	Self financing

26. Student profile programme/ course wise:

Name of the Course/ programme (refer question no. 4)	Academic Year	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
UG	2016-17	NA	102	99	03	---
PG (MD)			10	10	00	---
Ph.D			03	03	00	---
UG	2015-16		75	72	3	93.34
PG (MD)			14	13	01	100
Ph.D			03	03	00	---
UG	2014-15		72	69	3	98.6
PG (MD)			16	15	1	100
Ph.D			00	00	00	---
UG	2013-14		68	64	4	100
PG (MD)			16	15	01	100
Ph.D			02	02	00	---
UG			52	50	2	98.07

27. Diversity of Students

Name of the Course	Year	% of students from the same state	% of students from other States	% of students from abroad
UG	2016-2017	87.3	12.7	Nil
	2015-2016	81.4	18.6	
	2014-2015	73.3	26.7	
	2013-2014	68.6	31.4	
	2012-2013	50	50	
PG	2016-2017	100	00	
	2015-2016	93.3	6.7	

2014-2015	92.85	7.15
2013-2014	93.75	6.25

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civilservices, Defense services, etc.?

01

29. Student progression

Student progression	**Against % enrolled**
UG to PG	2 %
PG to M.Phil.	---
PG to Ph.D.	--
Ph.D.to Post-Doctoral	
Employed • Campus selection • Other than campus recruitment	2012-13 - 27 (51%) 2013 14 - 26 (38%) 2014-15 - 13 (18%) 2015- 16 -28(37%)
Entrepreneurship / Self-employment	2015-16-02(2.7%)

30. Details of Infrastructural facilities

a) Library

Total area of the dept. library (in Sq.Mts.)	50 Sqm
Total seating capacity	10
Working hours	Monday to Friday : 8.30 AM to 4.00 PM Saturday: 8.30 AM to 12.45 PM
Layout of the library	2nd Floor Mechanical Department

Dept. library book details wrt to streams	**No. of books**
Design stream books	354
Thermal stream books	360

Manufacturing science stream books	369
Management stream books	97
Basic science	110
Total	**1300**

b) Internet facilities for Staff & Students

Both Wi-Fi and Lan facility is available for student and staff in the department

c) Class rooms with ICT facility

- Most of the class rooms are fitted with projectors and also portable projector are available.
- Department is equipped with smart boards and relevant teaching aids.

d) Laboratories

Adequate number laboratories are available to satisfy the curriculum of the university. The details of the laboratory are given as follows.

Sl. No.	Name of the Lab	Area In Sq.mt.	Major Equipments in the Lab
1.	Basic Workshop Practice – Laboratory 1	202	4 Nos Welding sets, Piller Drilling M/c, Power Hack saw, Vices, Work Benches, Tool Grinder, set of tools, etc.,
2.	Basic Workshop Practice – Laboratory 2	222	
3.	Computer Aided Engineering Drawing – Lab1	100	Computers-71 Nos, Epson Dot Matrix Printer, HP L J 1020 Printer, HP L J 1008rinter, HP L J MFP PrinterM1136, HP L J 1020 PLUS Printer, HP Design Jet 130,HP Scanner3110, Model 1P60W,
4.	Computer Aided Engineering Drawing – Lab2 & Computer Aided Machine drawing Lab	100	
5.	Foundry & Forging Laboratory	202	Universal strength m/c, Clay washer, Rammer, Permabilty tester, Open hearth Furnace Sieve Analysis etc.,
6.	Metallography & Material Testing Laboratory	121	Universal testing m/c, Rockwell Hardnes tester, Brinell Hardness tester,Izod & Charpy, Torsion testing m/c, vicker Hardnes tester, etc.,

7.	Machine Shop	268	15 Nos Centre Lathes, 05 Nos Shaping m/c, Radial Drilling m/c, power Hacksaw etc.,
8.	Mechanical Measurements & Metrology Laboratory	113	Slip Gauge set, Profile projector, LVDT, Lathe tool Dynamo Meter, Drill tool dynamo Meter, Auto 229ompressio,Bore Gauges, Bevel Protractor, Pressure Gauge, Thermo couple, Load cell,Canti Lever Beam set, Gear tooth vernier, Gear tooth Micrometer , optical Flats, Floating carriage Micrometer etc.,
9.	Design Lab	162	Universal vibration tester, Journal Bearing Appartus, Porter &Porvel Governor, Polariscope, strain Rosette, curved Beam Apparatus, whirling speed of shaft etc.,
10.	Energy Conversion Lab	113	Four stroke Single cylinder Diesel Engine Test Rig ,Two stroke Single cylinder, Four stroke Single cylinder Petrol Engine Test Rig, Multi cylinder Petrol Engine Test Rig, Cut section Model-Port ,Timing study-2 stroke, Say Bolt Viscometer ,Cut section Model-Valve ,Timing study-4 stroke, Bomb Calorimeter for solid fuel ,Boys Gas calorimeter ,Red wood Viscometer, ABEL Flash & Fire Apparatus ,Pensky Martin Flash & Fire Apparatus etc.,
11.	Computer Aided Modeling Analysis Lab	100	Ansys 14.0-25 TASKS & 26 computers
12.	CIM & Automation Laboratory	100	XL – TURN CNC Lathe, XL CNC Milling m/c,6 Axis Robot, softwares , compressor kit, Electro pnumetic trainer, oil Hydraulic Trainer, etc.,
13.	Fluid Mechanics & Machinery Laboratory	226	Francis Turbine, Kaplan Turbine, Pelton wheel Turbine 2 stage Air Compressor, Air blower, Reciprocating pump , single and multi-stage

			centrifugal pump, impact of jet on vanes and other fluid flow measuring devices.
14.	HMT – LAB	226	Thermal conductivity of a metalRod, Free covcection on a vertical Tube,Emmisivity of a surface,Stefan Boltzman constant,Composite wall Appartus,Pin Fin Appartus, Force3d convection Appartus,Parllel flow/ counter flow Heat Exchanger,Transient Heat Transee Appartus,Vapour 230ompression Refrigration Test Rig,Vapour compression Air condition Test Rig,Drop & Film wise condensation Test Rig etc.,
15.	Computer Aided Machine Drawing	226 Sqm	40 Computers: Intel core i5 6400 processors, 8 Gb DDR4, 500 Gb HDD, 02 HP Laserjet preinters

31. Number of students receiving financial assistance from college, university, Government or other agencies

Sl. No.	Year	No. of Students	Total Amount
1.	2012-2013	18	325620
2.	2013-2014	19	546510
3.	2014-2015	26	430340
4.	2015-2016	44	795960

32. Details on student enrichment programmes (speciallectures/ workshops/Seminar) with external experts

Details of special lectures

Sl. NO.	DATE	TOPIC	RESOURCE PERSON AND ORGANIZATION	SEM
1.	29/9/2011	Application of fluid mechanics	Dr. Ramanarsimha, prof, jain university	5
2.	23/02/2012	Heat and mass transfer	Dr. Ramanarsimha, prof, jain university	6
3.	6/4/2012	FE method	Prof, SUNDRESH, RLJIT	6
4.	29/8/2012	Automation in manufacturing	Mr. Mahadev, prasad,SIEMENS TECHNLOGY	7

5.	3/5/2013	Nano Technology and FMS	Prof. Rajendra kumar,EDURIT	6
6.	6/5/2013	Finishing school in production engineering	Akshya kumar, marketing consultant	6
7.	28/9/2013	Management persrespective from freshers point of view	Ms, Swathi,Asst system engineer,Mr. Bharath, Resource pesron,TCS pvt Ltd	5
8.	5/10/2013	Learn,connect,attend,explore,plan	Mr.shisri d k,Development lead,Microsoft India	5
9.	15/08/2014	Composite materials	Mrs. Chethana s rao,senior engineer, Textron India Pvt.Ltd	8
10.	7/5/2014	Product development life cycle	Mr.nagendra g	6
11.	26/9/2014	Vehicle suspension	Mr.anoop b srinivasan,PABS consulatnts pvt,ltd.	5 & 7
12.	15/9/2014	Inter personnel skill development	Mrs. uma shridhar,HRM & OB HEAD at IBS school	7
13.	4/2/2015	Built environmental opportunities	Ms.jyothi rao,RICS school of bulit environment	8
14.	24/02/2015	Advancement rapid prototyping	Mr.sathessh,team leader,cad centre	8
15.	25/02/2015	Automation technology in lean manufacturing	Mr.jana udayan,Axis Global Institutebof Industrial Training	8
16.	10/3/2015	Digital Design	Mr.Rajendra,Veda Technologies	8
17.	25/02/2015	Design and analysis of simulation	Mr.Vinay B C, Kshipra simulation	8
18.	28/04/2015	Open Source Power Engineering	Mr. Smrutimaya pattanaik, UDVAVISK Technologies	8
19.	7/8/2015	Open Source Power Engineering	Mr.Satyak sundar padhy	7
20.	7/11/2015	Gas Turbine	Mr.Shivakumar s,Triveni turbines pvt ltd.	7
21.	28/04/2016	Piping Engineering	Mr.Avid, Petrocon Institute of piping Engineering, Mr.Prashanth,Mr.Kiran	4 & 6
22.	12/5/2016	Modular Training program	Mr.Prasad, M.S. Ramaiah university of applied sciences	6

Details of Enrichment program

Sl. No.	Date of conduction	Number of students trained	Semester	Place
1.	27/01/16, 03/02/16 and 10/02/16	29	6th	CETRAT
2.	08-01-16 to 03-02-16	11	6th	CETRAT

Details of additional training

Sl. No.	Topics	Date of Conduction	Organisation
1.	CAED basics	27-04-2016	CAED centre, Bangalore
2.	CATIA, Hyper mesh, Uni graphics	31-08-2012	Swamy Design solutions pvt ltd

Details of workshop conducted

Sl. No.	Date	No of days	Title of the Workshop	Name of the Speaker	Speaker's Organization
1.	16/03/2016	1	3D printing	Mr.Amal Krishna,	Ingram micro india limited, Bangalore
				Mr. viju vargheese	Leniva cadd solution, Bangalore
2.	08/03/2016	1	Money Minded program	Mr. Thomas	ANZ's corporate Office, Bangalore
3.	16/02/2016	1	Auto Desk fusion 360	Mr. Anand Geetha Govindan	Auto Desk, Bangalore
4.	21/11/2015	1	Innovation Technology	Mr. Mahadev prasad	Siemens Network automation division, Bangalore
				Mr. Mallikarjun khanapuri	Innovative product development division simiens ltd, Bangalore
5.	09/11/2015	1	Design concepts in various domains in	Mr. Sanjeev	Winsun global tech, Bangalore

			mechanical engineering		
6.	29/8/ 2015	1	Money minded program (V sem)	Mr.paul	ANZ's corporate Office, Bangalore
7.	31/3/2015	1	Money minded program (VIII Sem & Mtech)	Mr. yashas	ANZ's corporate Office, Bangalore
8.	7/11/2014	1	Engineering capacity enhancement program (VII Sem)	Mr.Anjaneya T	ProSIM R&D pvt ltd, Bangalore
9.	7/11/2014	1	Hypermesh Tools (Mtech 1st sem)	Mr. Manohar	SDS technologies Pvt. Ltd, Bangalore
10.	27/9/2013 to 28/9/2013	2	Building remote controlled quadcopter	Mr. Diwakar	Rob fission labs pvt ltd, Bangalore
11.	18/09/2013	1	Auto cad tools	Mr. Anand Geetha Govindan	Auto desk, Bangalore

33. Teaching methods adopted to improve student learning

- Regular lectures are made in an interactive and interesting way, through real-time analogies and question-answer session.
- The students are motivated to do their mini project (beyond the syllabus) and Main Project based on recent findings in advanced research areas where they work as a group involving individual learning & team dynamic

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sl. No.	Date	Place of visit
1.	08/01/2016	Sneha Jothi orphan Children's, Thagachaguppe, VIT college road, Kumbalagudu, Bengaluru
2.	04/10/2015	Sneha Jothi orphan Children's, Thagachaguppe, VIT college road, Kumbalagudu, Bengaluru

3.	17/03/2015	Govt. Lower Primary school, Mylasandra, Bengaluru-60
4.	09/10/2014	Govt. Lower Primary school, Mylasandra, Bengaluru-60
5.	05/12/2013	Govt. Higher Primary School Ramanhalli, Near Banandur, Ramanagara
6.	09/07/2013	Govt. Lower Primary school, Mylasandra, Bengaluru-60
7.	06/10/2016	Sri Geetha Ashram, Bapuji nagar, Bengaluru

35. SWOC analysis of the department and Future plans

Strength:

1. Well equipped state of art infrastructure facility
2. Well qualified and experienced faculty members
3. Skilled technical support staff
4. Located in urban area leading to good interaction with industry and networking with other institutions
5. Hardworking team

Weakness:

1. Young department in the institution
2. Lack of funds for research activities
3. Non existence of academic autonomy

Opportunities:

1. Industry-Institution interaction
2. Networking with other institutions
3. Government funds
4. Recognized R & D centre

Challenges:

1. Non recognition of funding agencies
2. Attraction of quality intake
3. To meet the dynamic industry requirement and societal demands for dynamic educational standards

Future Plans:

1. To work on consultancy
2. Development of specified Centre of Excellency facility in design, thermal and manufacturing field.
3. Increase in intake both UG and PG
4. Staring of new PG branches.

VII. CIVIL ENGINEERING

1. Name of the department

Civil Engineering

2. Year of Establishment

2009

3. Names of Programmes /Courses offered (UG, PG, M.Phil., Ph.D. Integrated, Masters; Integrated Ph.D., etc.)

UG	B.E	Civil Engineering	2009
PG	M.Tech	Structural Engineering	2014
		Computer Aided Design of Structures	2014
PhD	--	Approved Research Centre for all specialization in Civil Engineering	2013

4. Names of Inter disciplinary courses and the departments / units involved

NIL

5. Annual/ semester/ choice based credit system (programme wise)

Semester system /CBCS for UG from academic year 2015-16 and PG from academic year 2016-17

6. Participation of the department in the courses offered by other departments

NIL

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

8. Details of courses/ programmes discontinued (if any) with reasons

NIL

9. Number of teaching posts

Cadre	Sanctioned	Filled
Professors	4	3
Associate Professors	8	5
Asst.Professors	20	22

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./Ph.D./ M.Phil.etc.,)

Sl. No.	Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D. Students Guided for the Last 4 years
1.	Dr. Puttaraju	PhD	Professor & Principal	Geo-Technical Enginnering	29	02 (guiding)
2.	Prasad CSMV	ME	Assoc. Prof & HOD	Environmental Engineering	25.5	Nil
3.	Dr. M K Krishna	PhD	Professor	Environmental Engineering	22	2(Guiding)
4.	Dr. S V Rajeeva	PhD	Professor	Structural Engineering	33	1(Guiding)
5.	P.S. Ramesh	ME	Assoc. Prof	Geotechnical Engineering	27	Nil
6.	H Narendra Kumar	ME	Assoc. Prof	Environmental Engineering	26.5	Nil
7.	Lakshmi C	M.Tech	Assoc. Prof	Environmental Engineering	24	Nil
8.	Dr. Manjunath H N	PhD	Assoc. Prof	Geology	01	Nil
9.	Manjunatha L	ME	Asst. Prof	Structural Engineering	7	Nil
10.	Neethu Patil	MSC	Asst. Prof	Environmental Science	9.5	Nil
11.	Lalithamba C	ME	Asst. Prof	Water Resource Engineering	5	Nil
12.	Kiran Kuldeep K N	ME	Asst. Prof	Pre-Stressed Concrete	7	Nil
13.	Archana G	M.Tech	Asst. Prof	Transport	4.5	Nil
14.	Ganesh M	M.Tech	Asst. Prof	Structural Engineering	4.5	Nil
15.	Spandana B	M.Tech	Asst. Prof	CAD Structures	2	Nil
16.	Ramesh B M	M.Tech	Asst. Prof	CAD Structures	3.5	Nil
17.	Ranjitha K P	M.Tech	Asst. Prof	Structural Engineering	4	Nil
18.	Nisarg Shankar	M.Tech	Asst. Prof	Structural Engineering	1	Nil
19.	Chaithra B.R	M.Tech	Asst. Prof	Environmental Engineering	1	Nil
20.	K.K.Kiran	M.Tech	Asst. Prof	CAD Structures	6	Nil
21.	Sagar S R	ME	Asst. Prof	Geotechnical Engineering	1.8	Nil
22.	Supreeth.S	M.Tech	Asst. Prof	Structural Engineering	1	Nil

23.	Divya N	M.Tech	Asst. Prof	Structural Engineering	1.5	Nil
24.	Srinivas K S	M.Tech	Asst. Prof	Structural Engineering	1	Nil
25.	Arundathi M V	M.Tech	Asst. Prof	Urban and Rural Planning	-	Nil
26.	Rohith M	M.Tech	Asst. Prof	Highway engineering	-	Nil
27.	Srilatha B	M.Tech	Asst. Prof	Construction technology and management	3.0	Nil
28.	Punith H C	M.Tech	Asst. Prof	Highway engineering	-	Nil
29.	Naveen kumar	M.Tech	Asst. Prof	Structural Engineering	-	Nil
30.	Sachin B V	M.Tech	Asst. Prof	CAD Structures	-	Nil

11. List of senior visiting faculty

Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Nil

13. Student-Teacher Ratio (programme wise)

PG – 1:12, BE – 1:16

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Supporting Staff	Sanctioned	Filled
	10	10

15. Qualifications of teaching faculty with DSc / D.Litt/ Ph.D/ MPhil/ PG.

As per table mentioned in Sl. No. 10

16. Number of faculty with on going projects from a) National b) International funding agencies and grants received

Sl. No.	Year	Name of The Faculty	Sponsored	Topic	Amount	
					Sanctioned	Recieved
1	2016	Dr. M. K. Krishna	VGST	Studies on Decentralized Treatment For Vrushabhavathi Valley Waste Water	30Lac	10Lac

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR,etc.and total grants received

Sl. No.	Year	Name of The Faculty	Sponsored	Topic	Amount
1.	2016	Dr. M.K. Krishna	VGST	Studies on Decentralized Treatment For Vrushabhavathi Valley Waste Water	Approved 30Lac, released 10Lac on 15/6/2016
2.	2014	Dr. Nagaraj Sitaram	KSCT	Performance Evaluation of Waste Tyre and Tube Rubber as a Partial Replacement For Fine and Coarse Aggregates in Cement Concrete	Rs 5500
3.	2014	R.L. Ramesh	KSCT	Recycled Plastics used as a Coarse Aggregate for Constructional Concrete	Rs 4500
4.	2015	Lakshmi C	KSCT	Production and Utilization of Bio Energy From FlowerWaste BY Anerobic Decompostion Process	Rs 4000

18. Research Centre/ facility recognized by the University

Approved research centre by Visvesvarya Technological University

19. Publications

a) Publications per faculty: 1.4

Sl. No.	Staff Name	Total Journals/ Conference	International DB	Monograph	Citation Index	I-factor	h-index
1.	Dr. Puttaraju	02	-	-	-	-	-
2.	Dr. M K Krishna	23	04	-	-	1.7-1.89	1
3.	Dr. Rajeeva S.V	04	01	-	-	-	-
4.	Mrs. Lakshmi C	09	02	-	-	-	-
5.	Mr. P S Ramesh	01	01	-	-	-	-
6.	Ms. Spandana B	01	-	-	-	-	-
7.	Mr. Ganesh M	01	-	-	-	-	-

20. Areas of consultancy and income generated

Sl. No.	Customer Organization	Type of Work	Year	Amount Charged
1.	Bhagirath Costruction Company	Concrete Testing	2016-17	1000
2.	Bhagirath Costruction Company	Concrete Testing		1000

3.	Bhagirath Costruction Company	Concrete Testing		1000
4.	Concept Engineers	Concrete Testing		500
5.	KSPHC, Mysore	Soil Testing		26550
6.	Bhagirath Costruction Company	Concrete Testing		1000
7.	Bhagirath Costruction Company	Concrete Testing		1000
8.	Bhagirath Costruction Company	Concrete Testing		1000
9.	SGR Buildtech Pvt., Ltd.,	Rock Sample Testing		1500
10.	Geo-Structural Engineering	Structural Design	2015-2016	600
11.	KSPHC, Mysore	Soil Testing		29500
12.	KSPHC, Mysore	Soil Testing	2014-2015	20250
13.	KSPHC, Mysore	Soil Testing		22500
14.	Pramod Builders and Developers	Concrete Testing		500
15.	Purushotham, Civil Contractor	Soil Testing		9000
16.	Sukee Enterprises	Structural Design	2013-2014	4000
17.	Dinesh Class one Conctractor	Structural Design		4000
18.	Geo Metage Consultancy	Highway Materials Testing		27000
19.	KSPHC, Kodugu	Soil Testing		135000
20.	KSPHC, Hassan	Soil Testing		319500
21.	Dhatri Construction	Concrete Testing	2012-2013	1000
22.	KSPHC, Mysore	Soil Testing		115000
23.	KSPHC, Mysore	Soil Testing		47500
24.	KSPHC, Mysore	Soil Testing		135500
25.	KSPHC, Mysore	Soil Testing		126000
26.	KSPHC, Mysore	Soil Testing		16300
27.	PEC, Hubballi	Soil Testing		9000
28.	Civil Tech	Structural Design		1000
			Total	1059700

21. Faculty as members in National committees b) International Committees c) Editorial Board

NIL

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/ programme

Academic Year	Total Batches (UG+PG)	No. of In house Project Batches	Percentage
2015-16	19	19	100
2014-15	20	20	100
2013-14	16	15	93.75
2012-13	15	15	100
		Total Percentage	**98.5**

b) Percentage of students placed for projects in organizations outside the institution i.e in research laboratories/Industry/other agencies

Academic Year	Total Batches (UG+PG)	No. of out house Project Batches	Percentage
2015-16	19	-	-
2014-15	20	-	-
2013-14	16	01	6.25
2012-13	15	-	-
		Total Percentage	**1.5**

23. Awards/ Recognitions received by faculty and students

Sl.No.	Name	Faculty/ Student	Academic Year	Nature of Recognition
1	Arudanthi M V	Student	2013	VTU 5th Rank Holder
2	Abhinav M B	Student	2015	VTU 8th Rank Holder

Sports

Sl. No.	Name of the student	Academic Year	Tournament/Venue	EVENTS	Prize Won
1.	Adarsh M VII	2012	VTU's Intercollegiate Best Physique Competitions held at SDMIT, Ujire from 18th to 20th October 2012	Best Physique (up to 80 Kg)	I Place
2.	Chiranth V Gowda – 7th SEM	2013	VTU's Intercollegiate Best Physique Competitions held at Acharya IT, B'lore, from 10th to 12th Oct. 2013	Best Physique (up to 75 Kg)	III Place

3.	Harish P – 3rd Sem,	2013	VTU's Intercollegiate Best Physique Competitions held at Acharya IT, B'lore, from 10th to 12th Oct. 2013	Archery Competition 50 Mts	I Place
4.	PREMESH CHANDER GURU, V SEM	2015	VTU's Inter -Collegiate Archery (M&W) Competitions held at Acharya IT, Bengaluru on 26th October, 2015	Archery Competition (30 Mts & 50 Mts)	III Place

24. List of eminent academicians and scientists/ visitors to the department

Nil

25. Seminars/ Conferences/ Workshops organized & the source of funding a) National b) International

Sl. No.	Year	Title of the Seminars/ Conferences/ Workshops	National / International	Source of funding (self financing / Sponsorship)
1.	2012-13	Innovative Approaches to meet Challenges in Civil Engineering – 2013	National	Self-Funded
2.	2013-14	Futuristic Technology in Civil Engineering for Sustainable Development – 2014	National	Self-Funded
3.	2014-15	Futuristic Technology in Civil Engineering for Sustainable Development – 2015	National	Self-Funded
		Civil Engineering Challenges for Knowledge Era - 2015		IWWA, IPHE, BDA KIOCL
4.	2015-16	Futuristic Technology in Civil Engineering for Sustainable Development – 2016	National	Self-Funded
5.		Workshop on Autodesk Civil 3D & Revit Structures Tech-Training – 2016	National	Medini School of Design, AutoDesk and Lawrence & Mayo
6.	2016-17	FDP on MATLAB for Engineers	National	self-funded
7.		Workshop on Latest advancements in concrete technology	National	Self-funded
8.		Seminar on Swacchh bharath drive for solid waste management	National	IWWA & IPHE

26. Student profile programme/coursewise

Name of the Course/programme	Academic Year	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
B.E (CIVIL ENGINEERING)	2016-17	NA	109	75	34	-
	2015-16		106	80	26	
	2014-15		90	21	111	96.15
	2013-14		96	20	116	83.10

	2012-13	49	11	60	76.71
M.Tech CADS	2016-17	12	10	2	-
	2015-16	16	11	5	-
	2014-15	16	15	01	-
M.Tech Structural Engineering	2016-17	16	8	8	-
	2015-16	18	13	5	-
	2014-15	18	14	04	-

*M=Male *F=Female

27. Diversity of Students

Name of the Course	Year	% of students from the same state	% of students from other States	%of students from abroad
BE	2016-17	**92**	**8**	**00**
	2015-16	84	16	00
	2014-15	81	19	00
	2013-14	74	26	00
	2012-13	52	48	00
M.Tech (CADS)	2016-17	100	00	00
	2015-16	100	00	00
	2014-15	100	00	00
M.Tech (Structural Engineering)	2016-17	100	00	00
	2015-16	100	00	00
	2014-15	100	00	00

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civilservices, Defense services, etc.?

Sl. No.	Year	Name
1.	2015-2016	Manjunatha
2.		Souvar Kumar
3.	2014-2015	Ganesh Kumar
4.		Hallesh

29. Student progression

Student progression	Against % enrolled
UG to PG	40

PG to M.Phil.	Nil			
PG to Ph.D.	Nil			
Ph.D. to Post-Doctoral	Nil			
Employed • Campus selection • Other than campus recruitment	**Year**	**Eligible**	**Placed**	**% age**
	2015-16	23	0	0
	2014-15	16	0	0
	2013-14	15	4	27
	2012-13	13	3	23
Entrepreneurship/ Self-employment	--			

30. Details of Infrastructural facilities

a) Library

- The department has a library started in 2009 which has 931 text books.

b) Internet facilities for Staff & Students

- 45 MBPS bandwidth for the department.

c) Class rooms with ICT facility

- The class rooms are provided with projectors and the laboratory has portable projectors.

d) Laboratories

- The department has five laboratories with well-equipped computing environment.

Sl No.	Name of the Lab	Area In Sq.mt.	Major Equipments in the Lab
1	Applied Engineering Geology Lab	100.0	Mineral and Rocks
2	Survey stores	122.0	Theodolites, Dumpy Levels, Plane Tables, Chains, Prismatic Compass
3	Hydraulics and Hydraulic Machines Lab	101.0	Pelton Wheel, Impact of Jet Apparatus, Losses Apparatus, Reciprocating Air Compressor Test Rig, Single Stage Centrifugal Pump, Multi Stage Centrifugal Pump, Ventry Flume and weir Apparatus, Francis & Kaplan Turbines
4	CAD Lab	111.0	Computers with i3 processor, 5GB RAM, 500GB HDD, STAAD Pro licensed Software
5	Geotechnic Engineering Lab	139.0	Sieve Shaker, Tri-Axial testing machine, CBR test Machine, Vane shear Setup, Permeability Apparatus, SPT Apparatus, Unconfined Compression Testing Apparatus, Oven, High Speed Stirrer

6	Concrete and Highway material Testing Lab	139.0	Compression Testing Machine, Los Angels abrasion Testing Machine, Ductility Test, Flow Table Apparatus, Ring and Ball Apparatus, Pensky-Martens Tester, Tar Viscometer, Marshal Compaction Apparatus, Blains Air Apparatus, Autoclave, Vee Bee Compaction Factor, Concrete Permeability Apparatus
7	Environmental Engineering Lab	100.0	Electronic Balance, Muffle Furnace, Jar test Apparatus , U.V Spectrometer, Flame Photometer, Distill Water Unit, COD Digestion Cell, Bod Incubator
8	Building Materials and Testing Lab	121.0	Universal Testing Machine, Compression Testing Machine, Torsion Testing Machine, Brinells Hardness Testor, Rockwell Hardness Testing Machine, Izod and Charpy Impact Testing Machine.
9	Structural Engineering Lab	121.0	Servo Shake Table, Ultrasonic Pulse Velocity Tester, Rebound Hammer, Profo Meter
10	CAD Lab	110.0	Computers with i3 processor, 5GB RAM, 500GB HDD, STAAD Pro licensed Software

31. Number of students receiving financial assistance from college, university, Government or other agencies

Sl. No.	Year	No. of Students Belongs to OBC	Total Amount Paid to the OBC Students	No. of Students Belongs to SC/ ST	Total Amount Paid to the Sc/ ST Students
1.	2015-16	74	1332000	12	5,40,000
2.	2014-15	34	6,12,000	15	5,41,350
3.	2013-14	95	17,10,000	8	2,88,720
4.	2012-13	21	3,78,000	7	2,52,630

32. Details on student enrichment programmers (special lectures/ workshops/ seminar) with external experts

Sl. No.	Year	Title of the Special Lectures / Workshps/ Seminar
1.	2016-17	Swatchh Bharath Drive for Solid Waste Mangement
2.		Latest Advancements in Concrete Technology
3.	2015-16	Engineering and Entrepreneur
4.		Design Aspects and Quality Control of Conrete Mix in RMC Plants
5.	2014-15	Geological Exploration by Electrical Resistivity Tests
6.		Advanced Surveying Instruments
7.		Elements and Evolution of Bridge Engineering
8.	2012-13	New challenges for young Entrepreneurs in Civil Engineering
9.		CAD camp Software

33. Teaching methods adopted to improve student learning

Placement Classes have been started for students from 1st year itself to develop aptitude and personality which is very much helpful for their placement.

Mini projects
To give hands on experience and encourage student creativity, students are made submit projects in interested fields. Reports are also made submitted on the same so that they get an idea of report making and planning.

Certificate Course for Technical development
Short-term Certification course are provided to students like app development, android development, PHP, NET etc which is very much helpful for their placement activates.

Quality in teaching, learning and evaluation process
Focus is given to improve the quality of education and evaluation. The faculty are encouraged and sponsored to attend various seminars/conferences held in different colleges across the country so as to inculcate the best practices in education and for their self-development. Faculty use power point presentations and technical videos to enhsance teaching skills.

Innovations in Library
The Library is linking e-books (which are available free of cost on Internet) with their books. Any student accessing or checking the books details in the OPAC (Library catalogue) can also avail the link of e-books.
With the successful use of advanced mobile scanners, the stock verification of the Library collection has become more effective and less time consuming.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The College has started and supported various clubs / associations to sensitize the faculty and students on Institutional Social Responsibilities. We have National Service Scheme and some of the social outreach clubs, which have created an impact on the students' campus experience.

Some of the activities arranged through these clubs are

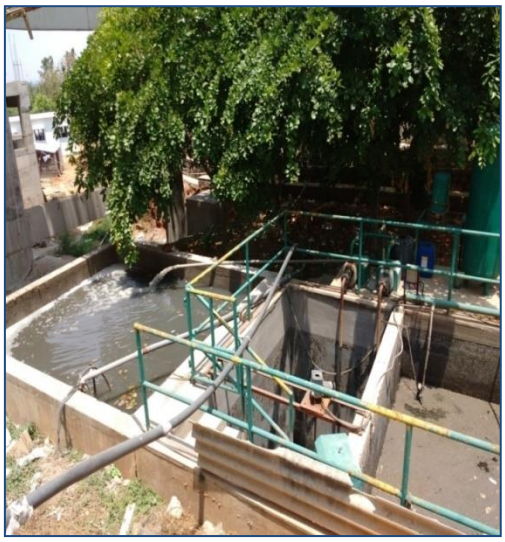
1. Awareness programs of social responsibilities
2. Blood donation campus
3. NSS Camps
4. Organ Donation camps
5. Distributions of School Text books & stationeries to schools.

Eco Friendly Approaches for Water Management at SJBIT acquires 14 Acres of Land >. With an average rainfall of 15mm per day the water of 474.24m^3/s is generated in our campus comes from paved area, unpaved area, roof top all these water flows through the drains and will be collected at storage

reservoirs.

The Waste water generated from hostels is treated by Activated Sludge Process and is recycled for gardening/ Horticulture. Point recharge/ harvesting is also planned for the five bore wells located in the campus, hence SJBIT campus is maintained ecological balance in water budgeting.

Sl. No.	Event	Year	Sponsored	Amount (Rs)
1.	Community services activity held at Government Primary School, Channasandra held on 09-06-2016	2015-16	Self	10,340
2.	Community services activity held at Government Primary School, Channasandra held on 07-09-2015	2014-15	Self	7850
3.	Nepal Calamity Relief Fund			21,250
4.	Community services activity held at Government Primary School, Ganakallu held on 07-03-2015			2400



35. SWOC analysis of the department and Future plans

Strengths:	**Weaknesses:**
• Highly regarded faculty with exceptional commitment to teaching • Motivated research activities with active publishing • Strong administrative leadership with well-honed organizational skills	• Lack of industry-department partnership • Lack of product development and patents • Lack of consultancy services
Opportunities:	**Challenges:**
• Collaborative programs in science and technology with reputed national and international organizations • Industry-department interface programs • Opportunities for real research project programs	• Updating the fast changing technology in the regular curriculum • Exposure of students to the practical industrial experience • Industry Relevance of Research and creation of World Quality academic and research ambience
Future plans: • To leverage contact with alumni to build centers of excellence • To secure projects from funding agencies for research and development work • Inter-institutional interactions across the nation.	

VIII. Management Studies

1. Name of the Department

Master of Business Administration

2. Year of Establishment

2008

3. Names of Programmes/ Courses offered

PG in Master of Business Administration (MBA)

4. Names of Inter disciplinary courses and the departments/ units involved

NIL

5. Semester /choice based credit system (programme wise)

Semester Scheme for 2nd year and CBCS scheme for 1st year

6. Participation of the department in the courses offered by other departments

NIL

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

NIL

8. Details of courses/ programmes discontinued (if any)with reasons

NIL

9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	02	02
Associate Professors	04	03
Asst.Professors	10	10

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt. /Ph.D./M.Phil.etc,)

Sl. No.	Name	Qualification	Designation	Specialization	No.of Years of Exp.	No.of Ph.D. Students Guided for the l
1.	Prof. Pushpalatha V	MA., MBA., MPhil, (PhD)	Assoc. Prof. & HOD	Human Resource	19.7	NA
2.	Dr. Buvaneswari.P.	MBM, M.Phil, MBA, PhD	Professor	Banking & Finance, HR	13.2	2
3.	Dr. Padma S Rao	MBA,MPhil, Ph.D	Professor	Finance & HR	25	NA
4.	Dr. Mamatha J	M.Sc., MBA., PhD	Assoc. Prof.	Human Resource	8.8	NA
5.	Mr. Santhosh M	MBA., MPhil., (PhD)	Assoc. Prof.	Marketing	12.7	NA
6.	Mr. Bharath T S	MBA	Asst. Prof.	Marketing	8.9	NA
7.	Mr. Ragavendra K A	MBA, (PhD)	Asst. Prof.	Marketing & Finance	7.6	NA
8.	Mrs. Roopa Balavenu	MBA, (PhD)	Asst. Prof.	Finance	8.1	NA
9.	Mr. Chethan Shetty	MBA, (PhD)	Asst. Prof.	Finance	5.11	NA
10.	Ms. Girivasuki K	MBA, (PhD)	Asst. Prof.	Finance & Marketing	6.5	NA
11.	Mrs. Roopa Karnam	MBA, (PhD)	Asst. Prof.	Human Resource	6.8	NA
12.	Mrs. Anjana Devi S C	MBA, (PhD)	Asst. Prof.	Human Resource	6.8	NA
13.	Mrs. Roopa Temkar	MBA, (PhD)	Asst. Prof.	Human Resource	4.8	NA
14.	Mrs. Lakshmi.M	MBA	Asst. Prof.	Human Resource	5.1	NA
15.	Ms. Krupa.M	MBA	Asst. Prof.	Finance	0.8	NA

11. List of senior visiting faculty

Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Nil

13. Student-Teacher Ratio (programme wise)

16: 1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Supporting Staff	Sanctioned	Filled
	02	02

15. Qualifications of teaching faculty with DSC/ D.Litt/ Ph.D/ MPhil/ PG

As per the table mentioned is sl. No. 10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

Nil

18. Research Centre /facility recognized by the University

Nil (Awaiting approval for the year 2017-18)

19. Publications

a) Publication per Faculty: 11

Sl. No.	Staff Name	Total Journals/ Conference	International DB	Monograph	Citation Index	I-factor	h-index
1.	Mrs. Pushpalatha.V	24	03	-	-	01	-
2.	Dr. Buvaneswari.P.	12	02	-	-	01	-
3.	Dr. Padma S Rao	17	05	-	-	04	-
4.	Dr. Mamatha J	19	05	-	-	02	-
5.	Mr. Santhosh M	16	02	-	-	02	-
6.	Mr. Bharath T S	04	01	-	-	03	-
7.	Mr. Ragavendra K A	04	01	-	-	01	-
8.	Mrs. Roopa Balavenu	11	02	-	-	01	-
9.	Mr. Chethan Shetty	09	01	-	-	01	-
10.	Ms. Girivasuki.K	15	09	-	-	04	-
11.	Mrs. Roopa Karnam	07	02	-	-	-	-
12.	Mrs. Anjana Devi S C	03	01	-	-	-	-
13.	Mrs. Roopa Temkar	15	02	-	-	3	-
14.	Mrs. Lakshmi M	02	-	-	-	-	-
15.	Miss. Krupa	03	01	-	-	-	-

Sl. No.	Name of the author	Name of the book	Publishers' name	ISBN
01	Dr. Buvaneswari P	A Study on Advances by Scheduled Commercial Banks	Lambert Academic Publishing, Germany	978-3-659-47653-2

20. Areas of consultancy and income generated

Nil

21. Faculty as members in a) National committees b) International Committees c) Editorial Board

Sl. No.	Name of the faculty	Name of the journal/ Conference	Role of the faculty
1.	Prof. Pushpalatha V	ACME Intellect	Member
2.	Dr. Buvaneswari P	ACME Intellect	Member

22. Student projects

a) Percentage of students who have done in-house projects including lnter departmental/ programme:

Nil

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/ Industry/ other agencies

Academic Year	No. of Students	Percentage (%)
2015-16	89	99%
2014-15	15	100%
2013-14	101	99 %
2012-13	101	100%

23. Awards/ Recognitions received by faculty and students

Sl. No.	Name	Faculty/ Student	Nature of Recognition
1.	Prof. Pushpalatha.V	Faculty	QCFI CCQC – 2014 Gold Award for "Designing & Implementing an Unique Innovative Education Model for enhancing students employability skills" Awarded by Quality Circle Forum of India.

2.	Mr. Santhosh.M	Faculty	Won Best Paper Award at National Conference, paper entitled on "An Empirical Study on Sales Promotion as a Strategic Promotional Tool" conducted at JSS Academy of Technical Education on 4th& 5th July, 2013.
3.	Mr. Chethan Shetty	Faculty	Best paper Award at National Level Conference paper entitled on "A Study on Evaluation of Stock Market Volatility During The Pre & Post Period Of Future & Option" held at K S School of Engineering & Management on 6th May, 2016,
4.	Krupa.M	Student	Best paper Award at National Level Conference paper entitled on "A Study on Evaluation of Stock Market Volatility During The Pre & Post Period Of Future & Option" held at K S School of Engineering & Management on 6th May, 2016,
5.	Karthik Reddy B	Student	VTU 9th Rank Holder (2014-16)

Sports:

Sl. No.	Name of the Student	Academic Year	Tournament/Venue	Events
1.	Manjunath B N	2014-15	Global Academy of Technology, Bangalore	Bangalore South Zone Kho-Kho (Men)
2.	Bharath B V	2014-15	Global Academy of Technology, Bangalore	Bangalore South Zone Kho-Kho (Men)
3.	Dayananda B C	2014-15	Global Academy of Technology, Bangalore	Bangalore South Zone Hand Ball (Men)
4.	Santhosh R	2014-15	RV College of Engg, Bangalore	Bangalore South Zone Basket Ball (Men)
5.	Shashidhar C J	2014-15	APSCE, Bangalore	Bangalore South Zone Kabaddi (Men)
6.	Manjunath B N	2014-15	APSCE, Bangalore	Bangalore South Zone Kabaddi (Men)
7.	Rakshith M P	2015-16	Alva's Institute of Engg , Moodbidri	VTU Youth Festival
8.	Bhargava M K	2015-16	Alva's Institute of Engg , Moodbidri	VTU Youth Festival
9.	Chaithra S	2016-17	Jyothi Institute of Technology	Bangalore South Zone Throw Ball (Women)
10.	Hemanth Kumar K	2016-17	AMC College of Engineering	Bangalore South Zone Kabaddi (Men)
11.	Chenna keshava D P	2016-17	AMC College of Engineering	Bangalore South Zone Kabaddi (Men)

12.	Ranga Swamy	2016-17	AMC College of Engineering	Bangalore South Zone Kabaddi (Men)
13.	Arun Kumar M A	2016-17	AMC College of Engineering	Bangalore South Zone Kabaddi (Men)
14.	Yeswanth E S	2016-17	AMC College of Engineering	Bangalore South Zone Kabaddi (Men)
15.	H G Anil	2016-17	AMC College of Engineering	Bangalore South Zone Kabaddi (Men)
16.	Arun Kumar M A	2016-17	AMC College of Engineering	Bangalore South Zone Kabaddi (Men)

24. List of eminent academicians and scientists/ visitors to the department

Sl. No.	Name of the Eminent Personality	Organization	Purpose of Visit
1.	Mr. Vinod Paul	Manager, ANZ Banking Group, Bangalore	Workshop
2.	Dr. A.N. Vijaya kumar	SEBI	Workshop
3.	Mr. Srikaanth	Founder and Director of Sampoorna Santhrupti	Workshop
4.	Mr. I Muralidhara	General Manager, Med Plus	Guest Lecture
5.	Ms. C K Vanitha	CEO, cProfit investment centre, Bangalore	Workshop
6.	Mr. Yashas Kothari	Manager - Technology Risk Management, ANZ, Bangalore	Workshop
7.	Mr. Basanna Gouda R Patil	Branch Manager, PNB Paribas, Bangalore	Guest Lecture
8.	Mr. Sharan Kulkarni	Business Development Manager, Varnaaz Technologies	Guest Lecture
9.	Dr. Acharya Shambhushivananda Avadhuta (Dadaji)	Chancellor of Ananda Marga Gurukula	Guest Lecture
10.	M.S.Karthigeyan	Regional Manager, Geojit Paribas, Bangalore	Guest Lecture
11.	Mr. Dinesh Badagandi	Founder, CEO, Varnaaz Technologies	Guest Lecture
12.	Mr. Sujith Lalwani	Founder, Inspiration unlimited, Bangalore	Chief Guest, National Conference

25. Seminars/ Conferences/ Workshops organized & the source of funding a) National b) International

Sl. No.	Year	Conference / Workshop	Title of the Seminar / conference	Source of funding (self financing /sponsorship)
1.	2015-16	National Level Conference	Samvit-2016	Self Financing
2.	2014-15	National Level Conference	Samvit-2014	Self Financing
3.	2013-14	National Level Conference	Samvit-2013	Self Financing
4.	2012-13	National Level Conference	Samvit-2012	Self Financing

26. Student profile programme/ course wise

Name of the Course/ programme	Academic Year	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
PG (MBA)	2016-17	NA	105	63	42	---
	2015-16		90	35	55	91%
	2014-15		16	12	04	93.75%
	2013-14		103	66	37	93%
	2012-13		100	64	36	87%

*M=Male *F=Female

27. Diversity of Students

Name of the Course	Year	% of students from the same	% of students from other	% of students from abroad
MBA	2016-17	91.4	8.6	Nil
	2015-16	95.96	4.04	Nil
	2014-15	98.90	1.10	Nil
	2013-14	81.25	18.75	Nil
	2012-13	96.12	3.88	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Nil

29. Student progression

Student progression	Against % enrolled
UG to PG	NA
PG to M.Phil.	NIL
PG to Ph.D.	NA
Ph.D.to Post-Doctoral	NA
Employed ➨Campus selection	2012-2013 17.47% 2013-2014 32.07 % 2014-2015 80% 2015-2016 57.77%
➨Other than campus recruitment	2012-2013 82.53% 2013-2014 67.93 % 2014-2015 20% 2015-2016 42.23%
Entrepreneurship/Self-employment	NIL

30. Details of Infrastructural facilities:

a) Library

- The department library was established in the year 2008 which has 401 Volumes of books in various management categories and 387 text books.
- In addition to the above, conference proceedings and more than 400 project reports are present in the department library.

b) Internet facilities for Staff & Students

- Department of MBA is enabled with wifi connectivity and independent computer lab facility for the students to access and individual personal computers are deployed to individual faculty on campus.

c) Class rooms with ICT facility

- SJBIT has signed MOU with Apple to implement the ICT in teaching. Faculties are trained on the same in the month of June-July, 2016 and will be implemented from the next academic year.

d) Laboratories

- The SJBIT, MBA department computer lab has computers to student's ratio of 1:1 with 120 personal computers and the software required for students and faculty as per the course requirements made available on time along with latest software.

  Computer lab Hardware and software details:

  - Operating system Windows – 7 Pro.
  - Processor: I3,
  - 6 GB RAM,
  - 500 GB Graphic card,
  - 1DVD drive (60 systems)

31. Number of students receiving financial assistance from college, university, Government or other agencies:

Sl. No.	Year	No. of Students	Total Amount (Rs.)
1.	2015-16	78	24,31,920.00
2.	2014-15	45	14,63,910.00
3.	2013-14	05	1,42,800.00
4.	2012-13	48	16,77,240.00

32. Details on student enrichment programmes (special lectures/workshops/Seminar) with external experts

Sl. No.	Year	Title of the Special Lectures / Workshops

1.	2012-13	1.The importance of Integrity, commitment, Passion, & Time Management. 2.Leadership Demystified. 3.Effective Communication & Presentation Skills. 4.Innovation, Toyota Culture on Lean Manufacturing, Problem Solving at work Place. 5.Research Method: An Effective tool in the hands of a Management Student
2.	2013-14	1.Intellectual Property Rights. 2.Kaizen Practices. 3.Overviews on Entrepreneurship. 4.How to crack the Interview Mind Mapping Techniques. 5.Skill Enhancement for Employability. 6.Art of Mind Control. 7.Selling & Negotiation Skills. 8.Financial Education for young Entrepreneurs. 9.Industrial Motivation Campaign.
3.	2014-15	1.How to become a Successful Entrepreneur & How to Market products? 2.Personal Success Story of an Entrepreneur 3.Kaizen & Six Sigma 4.Financial Assistance from Bankers 5.Quality Management System ISO 9001 6.Basics of Stock Market & Taxation 7.Media Marketing 8.Channel Marketing 9.Financial Planning 10.Planning for Finances to become an Entrepreneur 11.Eco Friendly Products for Safe Environment 12.Entrepreneurship: Why Entrepreneurship is needed in India? 13.Entrepreneurship: Skills needed for an Entrepreneur. 14.Investment Management.
4.	2015-16	1.Eco Friendly Business of Money Management Techniques 2.Financial Planning for Future 3.Financial Derivatives. 4.Live Trading 5.Spiritual Discourse

		6.Setting the Financial Goal 7.IPR & Innovation Management 8.Marketing Strategy 9.ERP & Career Opportunities for Management Students 10.Dimensions of online Marketing 11.Entrepreneurship: Skills needed for an entrepreneur 12.How To Crack Interview 13.Kaizen Practices 14.Intellectual Property Rights 15.Financial Basics 16.Financial Budgeting 17.Insights of money management techniques 18.Investment Planning 19.Digital Marketing.
5.	2016-17	1.Modalities of Project viva 2.Setting Financial goals 3.Importance of Project dissertation for academic excellence 4.Ipad Starter kit for MBA Digital classes 5.Financial planning 6.Management practices in corporate world 7.Corporate training on Advance Excel & VBA 8.Lecture on Live trading 9.Lecture on financial planning 10.Online learning with usage of advance devices like Apple 11.Financials-save, Insure and Invest

33. Teaching methods adopted to improve student learning:

- TQMT reviews the internal quality of the department hence it helps the teachers to know the drawbacks of the current system and learn new teaching methodologies.
- Students will be given corporate cases pertaining to each subjects, recent burning topics are given for student presentations, notes material, previous years VTU solved question papers are provided, five Assignments are given, to expose them to have interactivelearning,collaborativelearning

andindependentlearning.

- Students are encouraged to do research papers and present them in International and National to nurture criticalthinking, creativity andscientifictemper totransformthem intolife-longlearnersandinnovators.
- Overhead Projectors, computer laboratories are made available to the faculty members for teaching.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities Department wise:

Department of MBA is committed to serve the society by lending its helping hands to poor and needy in alignment with our vision. Our initiative has been carried out every semester under the theme "AASARE- Namminda Nimagagi".

Sl.No.	Date	Place
1.	10.03.2012	Anatha Shishu Sevashrama, Girinagar, Bangalore
2.	01.10.2012	Jeevan Sandhya Trust , Kanakapura Road, Bangalore
3.	10.08.2013	Karnataka Orphan Children Development Management, Bangalore
4.	21.01.2014	Old Home Age, Kanakapura Road, Bangalore
5.	29.08.2015	Old Home Age, Kanakapura Road, Bangalore
6.	30.08.2015	Basava Gangothiri Old age home, Kumbalagodu, Bangalore.
7.	26.02.2016	Anugraha- Monfort Missionary, Bangalore
8.	05.04.2017	Basava Gangothiri Old age home, Kumbalagodu, Bangalore.

35. SWOC analysis of the department and Future plans

Strengths:

- The department is associated with Apple Technology to introduce ICT learning modules using ipad and iMac for MBA students.
- The Department is based on a unique philosophy of education which combines the material with the spiritual and offers students to develop themselves as fully integrated individuals.
- The Department can boast of near perfect academic discipline. There has been no disruption in the Academic Calendar due to disturbances that institutions of higher learning generally experience in India
- The infrastructural support offered by the Department to students can compare with the best in this part of the country.
- The teacher-student ratio, which is perhaps unparalleled in the country, makes it possible for teachers to successfully address individual need of the students.

- The Department is considered as a reputed academic centre of higher learning and this makes it Possible to get a great deal of support and co-operation from other business management schools for higher learning as well as industrial houses, formally and informally.
- The NSS wing of the Department has been very active and has participated with great enthusiasm in activities like blood donation, first aid training, health awareness survey etc.
- Full-fledged library facility with ideal number of volume: title ratio.State of the art infrastructure with wifi campus and one of the best Libraries with large number of books, journals, magazines, e journals of national and international repute with latest edition.
- Dedicated separate hostel facility inside the campus for both boys and girls.
- 100Mbps leased line for uninterrupted internet connectivity; fully Wi-Fi enabled campus.
- Zero absenteeism
- Implementation of kaizen in department functionality
- Large number of initiatives undertaken for supporting number of slow learners and students from diverse backgrounds.
- Awards given to promote Management Excellence, Social Entrepreneurship and Alumni Achievement, Quality Research, Entrepreneurship and Academic achievement.
- Comprehensive system which ensures platform to promote faculty students and staff development.
- Strong Industry linkages.
- Use of Innovative teaching.
- Student mentorship
- Dedicated placement cell and HRD classes for all the students right from first semester.
- Certification programme on advance excel, VBA and big data analytics to enhance student employability.

Weaknesses

- Department is not a degree awarding body.
- The socio-economic background of many of the students (some of them are first and Second generation learners) admitted in the Department is responsible for poor language competence (both in their mother tongue as well as English). This leads to an unsatisfactory level of comprehension and communication, particularly in the first two semesters.
- The Department has not been able to enter into either faculty exchange or student exchange programmes due to structural and governmental policy limitations. The inability to implement the credit transfer systems (CTS)

has also hindered the student exchange programme.

- Less opportunity for staff in curriculum design and development.

Opportunities:

- To have an International Campus.
- To be one of the globally recognized Institutions of Management.
- To become a University.
- To introduce more self –financed courses.
- The level of academic excellence which the Department has acquired makes it possible for our students to get entry into institutes of global repute. The Department has to devise mechanisms for translating this potential into a reality.
- The new age learning requires greater proficiency in soft skills among students. The Department has the necessary technical and infrastructural resources to take this to higher level.
- The Department possesses the academic and financial resources to publish peer reviewed
- Research journals.The Department is poised to take the initiative in this regard.

Challenges:

- To enhance the employability skills of the students and bridge the gap between the industry expectations and student's competency.
- Retaining the unique character of the Department in an increasingly consumerist society.
- Poses a great challenge to the ideals the institution upholds.
- Students with diverse background with diverse needs.
- Enhancing number of students opting for entrepreneurship.
- Recruiting highly experienced faculty.
- More autonomy in admission procedure to attract international students.

Future plans:

- To continuing with existing student development programmes along with new initiatives to face the new challenges in the competitive world.
- To make collaboration with Foreign University or Institutions for academic and research activities.
- To have collaborations with industry and professional organizations to enhance industry interaction and to conduct joint programmes. To organize International Conferences.
- To organize Quality Seminars and workshops.
- To take initiatives towards total quality management.

|| Jai Sri Gurudev ||
SRI ADICHUNCHANAGIRI SHIKSHANA TRUST (R.)
SJB Institute of Technology
(Affiliated to Visveswaraya Technological University, Belgaum and Approved by AICTE - New Delhi)
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principal@sjbit.edu.in

Ref : SJBIT / ADM/15/2017-18 Date : 19/04/17

Declaration

I certify that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the peer team will validate the information provided in this SSR during the peer team visit.

Signature of Head of the Institution

(Dr. Puttaraju)
Principal
SJB Institute of Technology
BGS Health & Education City
No. 67, Uttarahalli Road, Kengeri
Bangalore South - 560 060.

Place: Bengaluru

Date: 19/04/2017

|| Jai Sri Gurudev ||
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Ref : SJBIT / AOM/17/2017-18 Date : 20/04/17

Certificate of Compliance

This is to certify that SJB Institute of Technology is affiliated and recognized as per the below mentioned:

1) Affiliated to Visvesvaraya Technological University, Belagavi – 590018
2) Recognized by All India Council for Technical Education (AICTE) – New Delhi.
3) The affiliation and recognition is valid as on date.

In case the affiliation/recognition is conditional, then a detailed enclose with regards to compliance of conditions by the institutions will be sent.

It is noted that NAAC's accreditation, if granted shall stand cancelled automatically, once the institution loses its university affiliation or regulation by the regulatory council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreed that the undertaking given by NAAC will be displayed on the college website.

(Dr. Puttaraju)
Principal
SJB Institute of Technology
BGS Health & Education City
No. 67, Uttarahalli Road, Kengeri
Bangalore South - 560 060.

Government of India

Ministry of Human Resource Development

Department of Higher Education

Statistics Division

New Delhi

Certificate

Reference No. C-1271-2016

This is to certify that Dr. Puttaraju of S J B Institute of Technology, BANGALORE has successfully uploaded the data of All India Survey on Higher Education(AISHE) 2016-2017.

(B N Tiwari)

Deputy Director General

Dated: 11/02/2017