Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**S. J. B. INSTITUTE OF TECHNOLOGY**
Name of the head of the Institution	**Dr. Ajai Chandran C K**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**08028612445**
Mobile no.	**9008719999**
Registered Email	**principal@sjbit.edu.in**
Alternate Email	**principalnaac@sjbit.edu.in**
Address	**67, BGS Health & Education city, Dr. Vishnuvardhana road, kengeri**
City/Town	**Bengaluru**
State/UT	**Karnataka**
Pincode	**560060**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. Babu N V**
Phone no/Alternate Phone no.	**08028612445**
Mobile no.	**9448758276**
Registered Email	**principalnaac@sjbit.edu.in**
Alternate Email	**eeehod@sjbit.edu.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://sjbit.edu.in/annual-quality-assurance-report-aqar-naac/

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://sjbit.edu.in/academic-calendar/

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.22**	**2017**	**30-Oct-2017**	**29-Oct-2022**

6. Date of Establishment of IQAC

03-Apr-2017

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
AISHE	**24-Jan-2020** **60**	**203**

VTU-LIC Visit	22-Jun-2020 1	205
Quality Audit	29-Jan-2020 4	203
IQAC meeting	21-Sep-2019 1	25
Submission of AQAR	24-Dec-2019 360	203
IQAC meeting	24-Jun-2020 1	25
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
EEE	Student project	KSCST	2019 180	6000
ECE	Student project	KSCST	2019 180	5500
CSE	Student project	KSCST	2019 180	5000
Mechanical Engg	Student project	KSCST	2019 180	20000
Civil Engg	Student project	KSCST	2019 180	4000
ECE	Major projects	DST-NIMAT	2019 365	1070000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	2
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	No
Upload the minutes of meeting and action taken report	No Files Uploaded !!!
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

1. IQAC guides the departments to conduct the workshops /FDPs /seminars/conferences in the emerging areas to upgrade the entire community to the real time advancements. 2. To develop self learning capabilities in the students, IQAC suggests the departments for online certification courses such as NPTEL, Swayam, Course era etc. 3. To upgrade the knowledge of the faculty, IQAC suggests and encourages the faculty to take up the MOOC courses. 4. Outcomes Based Education (OBE) is an initiation by IQAC as per NBA frame work to reform the teaching and learning process in the institution. 5. Digital Mode of teaching, with blended mode of learning and evaluation an Initiation by the IQAC to inculcate efficient learning.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
To secure continuation of Research centers	Successfully achieved for nine research centres
To conduct the workshops /FDPs /seminars/conferences in the emerging areas	All departments have organized at least one program
Application to AISHE	completed successfully during January
To prepare for VTU LIC visit	Successfully completed the visit and got extension of approvals
To participate in NIRF	Participated and could self evaluate the shortfalls for further improvement
No Files Uploaded !!!	

14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
IQAC	17-Dec-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No

16. Whether institutional data submitted to AISHE:	Yes

Year of Submission	2020

Date of Submission	24-Jan-2020

17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	• Student admission system • Student attendance monitoring system • Student performance tracking • Student feedback system • Staff feedback system • Grievance redressal system • SC/ST/OBC feedback • API • Quality audit assessment • Library management system • Staff attendance Leave management system • Student Information Management System (SIMS) The SIMS software designed exclusively to streamline and managing all the tasks involved in student admission. It makes the time consuming and hectic process of student enrolment easy by reducing the paperwork considerably and digitizing each process for achieving productivity and transparency. Student information systems will meet the following objectives: • Enable self service for students to perform basic administrative functions and tasks in a "one stop" service and access environment. • Integrate data sources and process them through a single function that supports onetime entry of student data. • Integrate and support new learning and teaching opportunities and technologies for students and faculty. • Support open interfaces and integration with other campus applications and database systems. • Ensure data integrity, privacy, and security in an open access environment.• Support faculty and staff who perform both basic and complex functions through simplified work processes and procedures. • Enable ongoing, flexible reconfiguration of the application to extend its life cycle and to meet the changing business processes of the university.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

as we are are an affiliated institution, we adopt the curriculum prescribed by the Visveswaraya Technological University. our goal is to impart quality education in the direction of achieving the set institutional goals with

concern towards the students. Over a period of time, the institution has developed a structured and effective implementation of the curriculum, through the various following means. HOD's Meeting: HOD's Meetings are held periodically and deliberations are held to discuss the action plans, strategies, statuses to arrive an optimal and effective way. Academic Calendar: Academic Calendar is prepared as per the Visveswaraya Technological University academic schedule and the requirements at the department level incorporating the various activities planned to attain the set goals. Lesson Plan: A Lesson plan includes course outcomes, course objectives, content topics, reference books and the expected outcomes from the students by learning through the topics prepared by respective faculty members at the beginning of each semester. It gives an insight how the lecture class will be handled throughout the semester. Meeting the Vision and Mission at the department levels: Each department sets their own Vision and Mission which match with the Institutional Vision and Mission. Program Educational Objectives (PEO), Program Specific Outcomes (PSO) are developed for each program and Course Outcomes(CO) are defined for each course (theory and lab). The target audience are evaluated by means of Continuous Internal evaluation (CIE) and semester end examination (SEE) analysed and improvement measures are adopted. the strategies and processes are evaluated at the department level & institute level to ascertain the effectiveness of the system and appropriate corrective measures are adopted.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Automation Technologies.	Nil	01/07/2020	30	Employabil ity	Hydraulics, Pneumatics, programming with PLC's Sensoric's , integration with Drives Controls
Enterpreneurship Awareness Camp	Nil	12/02/2020	18	Entrepreneurship	yes
iOS App Development	Nil	31/07/2019	16	Employabil ity/Entrepre neurship	yes

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System

BE	CSE, ISE, ECE, Civil Engg., Mechanical Engg., EEE	01/08/2019
Mtech	VLSI & ES, CSE, CNE, MD, SCE, CAEDS	02/09/2019
MBA	MBA	02/09/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	1647	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
No Data Entered/Not Applicable !!!		
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	CSE, ISE, ECE, EEE, Civil, Mechanical	793
MBA	Nill	103
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

The institute follows a systematic approach to collect and analyze the feedback from all the stake holders on the aspects related to the overall development of the institution such as strategies policies, teaching learning process, infrastructure, facilities, faculty etc., at regular intervals. Feed back collected are deliberated analyzed at various levels of the institutes depending on the scope of the feedback. Representatives from the Industry, Alumni, Students and Senior Faculty are included in Internal Quality Assurance Cell (IQAC) of the college. The inputs from all the stakeholders are considered for making necessary revisions and framing policies of the institute at the institution level. • Department Advisory Board (DAB) is constituted at program level comprising of all stakeholders for effective functioning of the departments. DAB regularly monitors the progress of the department and suggests necessary actions to bridge the gap between Industry requirements and Academics. • Program Assessment Committee (PAC) consisting of HOD and senior

faculty is constituted at program level to evaluate the goals and objectives of the program curriculum. It assists in the professional development of the faculty. • Faculty are evaluated through online student feedback to understand about the teaching learning process so as to achieve the excellence in teaching learning process. Before the first internal assessment, all the students are required to fill an online feedback form apprising the faculty using a scale of 1 (low) through 10 (high). The comments are analysed by the HOD and are discussed with the concerned faculty individually. Suggestions for improvement in teaching performance are given if required. • Apart from this, facility survey, graduate exit survey, alumni survey and employer's surveys are taken every year for achieving overall development of the college. All these surveys are consolidated and analysed to check whether there are any deficiencies and if found they will be suitably addressed through proper channel.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	CSE, ISE, ECE, EEE, CIVIL, MECHANICAL	720	1045	592
Mtech	VLSI, CSE, CNE, MD, SE, CADS	108	65	30
MBA	HR, Finance, Marketing	120	178	112
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	3040	277	203	26	177

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
203	203	351	72	72	50
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Proctor is a powerful personal and career development tool that can enable the mentee to achieve their life goals and aspirations. Proctor is also an interactive system for student evaluation and continuous monitoring to enhance the overall personality of students. Objectives • To inspire healthy relationship between the teacher and students. • To solve the academic and other issues of students. • To identify the strength and weakness of students. • To build himself confidence. • To provide encouragement and moral support. • To groom the overall personality of students. • Listen and be supportive. Mission • Continuous and regular monitoring the academic progress of the students and to rectify their problems. • The proctor system encourages parents to be in regular contact with the proctor. • To develop student's competency for enhanced academic performance and carrier development. Vision • To develop intellectual resource to the competitence market and society. Monitoring • A separate cell to monitor the progress of the student on all fronts especially in academic and assist them in the right direction in case they need, on an one to one basis under the guidance of the principal has been formed. • A group of around twenty students will be allotted to a proctor, who will be the proctor/mentor/councilor/guide for that group of students till they complete the course. The proctor will be from the same department for which the student as taken admission. As the student takes admission to the institution his/her attendance progress, tests marks, results of the university examination, his behavior and attitude in the class room and with friends and his associations are closely monitored. • If the proctor feels that a particular student needs counseling on any of the above issues, he/she will be counseled. Also, the proctor counseling all the students before each test for their academic issues. • In extreme cases the parents are called to the institution and the students are counseled in front of the parents and the higher ups. • Every month the faculties will enter the attendance of the students and the test marks of the subjects in the proctor book. At the commencement of the First semester students and parents will know the details of their proctor. • The proctor will maintain a record book for each student for the next eight semesters, and the academic and other details being entered as and when they are available with time. Outcomes • Improvement in student academic performance. • Improvement in student behavior and personality. • Enhancement in student confidence level. • Improvement in sports and extra-curricular activities. • Parents are kept informed about their ward. • Offers support, guidance, assistance and contributes to the development of capable individuals. Plan of Action • Establishing a web page for proctor interaction with students and parents. • Digitization of proctor record system by mapping the students to the respective proctors. • Providing training to all faculties of the college to enhance the counseling skill.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3317	203	1:19

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
226	203	23	29	43

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	Dr. Doreswamy	Professor	The recipient of Most Innovative education leadership award-physics under the banner of GOLDEN AIM AWARDS
2019	Dr. Anitha P	Assistant Professor	Young Woman Educator Scholar Award by National Foundation for Entrepreneurship

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	EE/EC/CS/IS/ME/CV	1,3,5,7	29/07/2019	30/04/2020
BE	EE/EC/CS/IS/ME/CV	2,4,6,8	01/06/2020	28/09/2020
MBA	HR-Marketing-Finance	1,3	08/08/2019	24/02/2020
MBA	HR-Marketing-Finance	2,4	10/02/2020	30/10/2020
Mtech	CSE,CN,VLSI,MD,CADS,SE	1,3	26/08/2019	Nill
Mtech	CSE,CN,VLSI,MD,CADS,SE	2,4	22/06/2020	Nill

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Evaluation Process and Reforms: Reforms: Institute's primary focus on strengthening teaching learning process through rigorous assessment and evaluation. Institute closely follows all the reforms introduced by VTU. VTU envisages the need for radical reforms in traditional examination and assessment system by evolving a credible, effective and transparent evaluation system that responds confidently to the challenges and newer demands of a knowledge society. The syllabus and evaluation scheme are revised by VTU periodically to meet global standards and update students to latest trends in technology. Institute made reforms in CIE, according to the reforms made by VTU. Process: • University guidelines are strictly adhered to with respect to evaluation process. There are three internal tests conducted. The schedules of internal assessments are communicated to students and faculty in the beginning of the semester through institute academic calendar which is prepared based on the university academic calendar it is discuss in IQAC meeting. Before a week internal exam time table is displayed on the notice board. • Questions are framed, such that they adhere to VTU standard. It follows the Blooms Taxonomy and Outcome based Education in which COs are attained. • The subject handling faculty prepares question bank that covers equal number of questions from each unit, covering all the topics • Department internal exam coordinator under the guidance of HOD, checks for the standard of the question bank. • A Centralized valuation system is followed. The head of the Centralized scheme is registrar of the college and marks are entered in Soft copy as well as in hard copy. • Faculty prepares the answer key / Scheme of evaluation and it is documented with a copy of sample question paper for the future reference. • After every internal exam, Total Quality Management (TQM) Check is performed to ensure that valuation is done according to Scheme prepared. • Internal assessment tests and other measures taken to judge the performance of students is done fairly and in

an effective manner. • Students are allowed to go through the valued answer scripts of internal assessment tests and doubts regarding evaluation are cleared. • Internal Test performance are intimated to the parents to sending the SMS to individual marks obtain by the students and Parent Teachers Meeting is conducted within a week to discuss the performance of their ward. • The Principal also takes stock of the progress from test main coordinator after the internal assessment test over. • Whenever class tests, internal assessment tests are conducted the results of the students performance are used by the faculty to identify slow and advanced learners. • Students are encouraged to improve their performance in future by counseling .As mentors and advisors of the students, nearly 20 students are entrusted to each faculty member. The mentors sort out the personal issues, academic and non-academic problems of their mentees and provide counseling and guidance.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The institute level Academic Calendar prepared according to the calendar provided by Visvesvaraya Technological University. Every semester prepare the academic calendar for the institute and also department wise activities such as gust lecture and industry interaction schedule for smooth functioning. The academic calendar was prepared and followed for conduct of CIE and SEE along with enrichment activities. The academic calendar is displayed on the institute website and also shares with the head of the departments so as to ensure proper execution. Being an institute affiliated to Visvesvaraya Technological University, we follow the academic schedule provided by the university. The Institute prepares their own academic calendar for various programmes which follow the timelines/guidelines and academic schedule of the affiliating University. University gives guidelines on the following in their academic schedule, • Last working day of the semester. • Mid-term examination schedule. • Annual Sports meet • Annual cultural Fest • End term theory and Practical examination schedule • Vacation schedule. • It provides plan for the academic year to students, teachers and parents. Considering the academic calendar, each department functions according to the teaching plan prepared at the department level.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://sjbit.edu.in/course-learning-outcomes/

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
UG	BE	EEE	72	72	100
UG	BE	ECE	143	138	96.4
UG	BE	CSE	213	209	98.12
UG	BE	ISE	113	95	84.07
UG	BE	MECH	131	130	99.25
UG	BE	CIVIL	125	122	97.6
PG	MBA	MBA	98	88	89.79

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://www.sjbit.edu.in/wp-content/uploads/2020/12/Annual-Feedback-on-Facilities-2019-20.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Any Other (Specify)	365	DST-NIMAT	1070000	856000
Minor Projects	365	KSCST	40500	40500
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Introduction to Intellectual Property rights and Indian Patent System	Mechanical Engineering	07/07/2020
Intellectual Property rights and Patents	Electrical Electronics Engineering	03/03/2020

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Improvement of Voltage profile using analysis and modeling of the HVDC transmission of system	Prof. Vijay kumar, Chitra S, Srilakshmi B, Thanush G, Veena T V	IJARST	31/07/2020	Improvement of Voltage profile using analysis and modeling of the HVDC transmission of system
IPR Patent 2 - "ICD-Devices: Intelligent Clustering Digital Devices in an Internet of Things (IOT)"	Dr. Murali	http://www.ipindia.nic.in/	31/07/2020	IPR Patent 2 - "ICD-Devices: Intelligent Clustering Digital Devices in an Internet of Things (IOT)"
IPR Patent 1 - "IRBC-System: Intelligent Rule-Based	Dr. Murali	http://www.ipindia.nic.in/	10/07/2020	IPR Patent 1 - "IRBC-System: Intelligent Rule-Based

Classification Systems to Classify Discrete Sets"				Classification Systems to Classify Discrete Sets"
Best Paper Award	Dr. Srikantaiah K C, ADITYA JAISWAL AKSHAY KUMAR JADHAV ANSHUL MALHOTRA DEVASURYA R	Proceedings of ICMPET-2020	31/05/2020	Best Paper Award
Learn2Automate	SANJAY K HOYSALA SANTHOSH K S SRIHARI D R SUHITH SHEKAR CHANDRA	MIT, Thandavapura, Mysore	15/02/2020	Learn2Automate
Certificate of Merit	Deeksha A, Atul M Bharadwaj, Abbas Khuzema, Travadi Allen Abraham	ERTS Lab Department of Computer Science and Engineering Indian Institute of Technology Bombay, Powai, Mumbai-400 076.	30/06/2020	Certificate of Merit

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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
No Data Entered/Not Applicable !!!		

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Electronics Communication Engineering	1
Information Science Engineering	4
Civil Engineering	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	EEE	5	3.3
International	ECE	17	3.11

International	CSE	21	4.63
International	ISE	5	3.12
International	MECH	9	2.22
International	CIVIL	2	1
International	Basic Science	18	1.0
International	MBA	3	2.28
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
ECE	9
EEE	1
CSE	12
ISE	7
CIVIL	1
MECH	3
MBA	3
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Structural,quantum chemical and spectroscopic investigation photophysical poperties of fluorescent saccharide sensor: Theoetical and Experimental studies	Shamantha kumar	ChemPubSoc Europe Chemistry select	2019	25	SJB Institute of technology	Nill
Synthesis, antibacterial, and antioxidant studies of 7-amino-3-	Dr Banuprakash G	Journal of Applied Pharmaceutical Science	2020	33	SJB Institute of technology	1

(4-fluorob enzoyl)ind olizine-1- carboxylat e derivati ves						
Microwave induced synthesis, and pharma cological properties of novel 1 -benzoyl-4 -bromopyrr olo[1,2-a] quinoline- 3-carboxyl ate analogues	Dr Banup rakash G	Chemical data colle ctions- Elesiever	2019	7	SJB Institute of technology	3
Corrosion behaviour of metal complexes of antipyrine based azo dye ligand for soft- cast steel in 1 M hyd rochloric acid	Dr.BH Doreswamy	Journal of King Saud Unive rsity- Science	2020	32	SJB Institute of technology	1
Structur al, Quantum Chemical and Spectr oscopic In vestigatio ns on Phot ophysical Properties of Fluores cent Saccharide Sensor: Th eoretical and Experi mental Studies	Dr.BH Doreswamy	Chemistr ySelect	2020	25	SJB Institute of technology	Nill
Configur ing optimal	Sandeep S R	Internat ional Journal of	2020	0	SJB Institute of	Nill

Title	Author	Title of journal	Year	h-index	Number of	Institutional
Hybrid RE System with the Aid of Efficient social spider optimization (ESSO)		Advanced Science and Technology			technology	
Energy efficient Hierarchical Clustering using HACOPSO in wireless sensor networks	Dr. Babu N V	International Journal of Innovative Technology and Exploring Engineering	2019	0	SJB Institute of technology	2
Adaptive Grid controller –cost Reduction and dispatch with emphasis on Renewable energy sources	Chandrashekar M J	International Journal of Innovative Technology and Exploring Engineering	2019	0	SJB Institute of technology	Nill
Automatic generation control with Adaptive optimization for multi-objective problem by Renewable resources	Chandrashekar M J	Journal of Advanced Research in Dynamical control systems	2019	0	SJB Institute of technology	Nill
Fault analysis of grid connected solar photovoltaic system	Kubera U	International Research Journal of Engineering and Technology	2020	0	SJB Institute of technology	Nill

[View File](#)

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the	Name of	Title of journal	Year of	h-index	Number of	Institutional

Paper	Author		publication		citations excluding self citation	affiliation as mentioned in the publication
Nill	Nill	Nill	2020	Nill	Nill	Nill

View File

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	3	18	60	68
Presented papers	2	Nill	2	27
Resource persons	6	Nill	6	17

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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
International Yoga day	SJBIT	63	160
9th Mega Blood Donation Camp	NSS Unit SJBIT, BGS Global Hospitals	21	200
Community Service Activities	DSR, SJBIT	63	220
Computer Training Program	SJBIT and Govt. High Schools	9	57

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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			

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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Instition Innovation Council	MHRD	Innovation and online leaderhip talks	23	500
Rural Developement	SJBIT-Unnath Bharath Abiyan	Village Surveys	9	20

Unnath Bharath Abhiyan	SJBIT-Unnath Bharath Abhiyan	Awareness Program on Health and Education	7	Nill
International Yoga Day	DSR SJBIT	Yoga Day	63	160
Blood Donation Camp	NSS Unit SJBIT	9th Mega Blood Donation Camp	21	200
Community Service	DSR SJBIT	Visiting to old age homes and orphanages	63	220
Dept. Social Responsibility	DSR SJBIT	Computer Training Program	9	57

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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Centre of Excellence	Training, Placements and Internships	Ethnotech Academic solutions	01/08/2019	31/07/2020	UG and PG Students
Centre of Excellence	Training, Placements and Internships	Creative Infotech	01/08/2019	31/07/2020	UG and PG Students
Centre of Excellence	Training, Placements and Internships	Rexroth Bosch	01/08/2019	31/07/2020	UG and PG Students

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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs

ANANDRATHI	08/11/2019	GUEST LECTURE, WORKSHOP	115
DEAL MONEY	05/10/2019	INDUSTRY VISIT	53
Toyota Kirloskar Limited	15/07/2019	To have better knowledge of Automobile Industry	120

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
14000000	13702000

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing

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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
LIBSOFT	Fully	12.0	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	32450	12677656	462	234089	32912	12911745
Reference Books	12022	4912225	96	48922	12118	4961147
e-Books	26597	540597	Nill	Nill	26597	540597
Journals	61	1259187	30	56000	91	1315187
e-Journals	7384	Nill	7384	Nill	14768	Nill
Others(s pecify)	9	Nill	9	Nill	18	Nill

| Others(specify) | Nill | 305050 | Nill | 52590 | Nill | 357640 |

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1848	1339	1345	50	247	29	0	170	2
Added	145	60	0	0	0	0	85	0	0
Total	1993	1399	1345	50	247	29	85	170	2

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

204 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
VTU EDUSAT	http://elearning.vtu.ac.in/
VTU e-Shikshana Programme	https://www.youtube.com/c/VTUeShikshana Programme/playlists
EEE Department, SJBIT	https://www.youtube.com/channel/UCI-KMtxELJrCs-D3lW1hEBA/videos

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
80000000	81539471	50000000	49372378

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

At SJBIT, the procedures and policies for maintaining and utilizing various facilities are well defined and periodically updated based on the feedback received from the various stakeholders. The available facilities for Curricular

and Cocurricular Activities include spacious, wellfurnished classrooms equipped with teaching aids black, White, Ceramic Green board, multimedia projectors, Podium, etc. Technology Enabled Learning Spaces encompass Library, Separate Browsing center for internet access, Departmental libraries, WiFi zones, BoschRexroth center of excellence and SJB Centre of excellence EDUSAT Hall, etc. Seminar Halls in every block are well equipped with modern amenities such as overhead and LCD projectors, audio visual aids such as computer and public address system. Laboratories catering to the VTU syllabus and beyond are established in every department. Facilities are provided for various Sports activities, Outdoor and Indoor Games, Gymnasium, NSS, Cultural Activities, Health Centre, Canteens, Bank, Temple, etc. Feedback Collection The feedback on class room infrastructure, library, labs, canteen, playground, internet facility, etc. is collected in numerous ways at different points of time as detailed below. i. The feedback on facilities is collected from every student every semester. ii. The anonymous feedback is also received through HELP BOX located in each of the academic block. Regarding the feedback Corrective Measures were taken in HODs meeting the corrective actions are discussed and finetuned. Based on Students feedback the following facilities were provided during the last year i. Additional Library working hours. ii. Additional coaching classes were arranged for first year subjects. iii. Extension of Internet Facility, WiFi. iv. Improvement in Academic activities. v. Changes in Hostel Food Menu. vi. Certification programs. vi. Industry visits, formation of student's clubs. vii. Better security mechanism CCTV surveillance. viii.Additional infrastructure facilities expansion etc.

https://sjbit.edu.in/facility/

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Fee Concession for Economically Weaker Section Students	270	8627758
Financial Support from Other Sources			
a) National	Nill	Nill	Nill
b)International	Nill	Nill	Nill
View File

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive	Number of benefited students by career	Number of students who have passedin the comp. exam	Number of studentsp placed

		examination	counseling activities		
2019	CAREER COUNSELLING CCE	319	215	Nill	24
2019	GATE/GRE/T OEFL SEMINARS	72	72	Nill	Nill
2019	GATE/GRE/T OEFL SEMINARS	120	120	10	68
2019	Higher Education	120	120	2	Nill
2019	GATE/GRE/T OEFL SEMINARS	130	130	10	31
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
No Data Entered/Not Applicable !!!					
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	1	SJB Institute of Technology	Mechanical Engineering	Cardiff university	M.Tech
2020	1	SJB Institute of Technology	Mechanical Engineering	MIT INSTITUTE OF TECHNOLOGY	MBA
2020	1	SJB Institute of Technology	Mechanical Engineering	Brunel university	MS
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	5
GRE	9
TOFEL	9
Any Other	10

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Sports Meet 10	College Level	150
Tug of War 10	All India Inter-University	1
Badminton Tournament Men and women 10	VTU- Bangalore south zone	250

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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	1st Place	National	1	Nill	1JB14CV002	Ajith Kumar Rai

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The institution has a practice of identifying student representatives for each class who take part in planning and carrying out various co curricular and extracurricular activities of the College. Every class has a Class Committee in which member student representatives have various roles to play. The students represent their views in subjects, syllabus and other related issues and problems. Apart from the Class Committees, the College level Student Committees in sports, cultural activities, various clubs, etc. are formed every year with representation of students across all branches. These committees overseen by concerned faculty members are involved in decision making of the various activities for the smooth conduction and also involved in reporting of events.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Institute has a strong Alumni network which is one of the major sources of publicity. The alumni work in different areas like engineering, business and government organizations. They are entrepreneurs and are pursuing higher studies in reputed institutes or foreign Universities. A number of our alumni have obtained higher qualifications from top universities in India and abroad. • An Alumni Association "SJB Alumni Association (SJBAA)" was formally registered in 2010. • Alumni Executive Council Member were nominated officially. • A savings bank account in the name of "SJBIT ALUMNI ASSOCIATION"

was opened in the Canara Bank for the association day to day activities. • SJBAA Executive council will meet quarterly to discuss the activities to be conducted. • Invites alumni to have departmental interaction to bridge the gap between academia and industry. • Alumni meet is being organized every year in a systematic manner

5.4.2 – No. of enrolled Alumni:

7700

5.4.3 – Alumni contribution during the year (in Rupees) :

1682388

5.4.4 – Meetings/activities organized by Alumni Association :

The following are the activities/meetings arranged by the alumni association for the academic year 2019-2020. 1. Alumni interaction activities-24 2. SJBIT Alumni Series talk on preparations for Higher Studies and Research 3. SJBIT Alumni Series talk on Latest trends in Engineering Technologies including communication skills.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Participative management (or participative decision making) encourages the involvement of stakeholders at all levels of an organization in the process of an analysis of problems, development of strategies, and implementation of solutions. Participative Management is one of the core cultural features of the institute. Management representatives, Principal, Faculty members and students play important role in participative management. They provide ideas and constructive suggestions on the operational activities of the institute. Management representatives involve in maintaining quality and welfare aspects of the Institute. Principal drives all the academic and non-academic activities by involving HODs and faculty. The institution reassures participative management at various levels. Administrative and academic committees are formed where students and faculties play a vital role in decision making process. This ensures participative management at all levels. Meetings are conducted periodically as and when required by the Head of the Institution with Head of the departments, where policies are framed and decisions are made. These are disseminated to staff by HODs through Periodical meetings. The management is also open to the ideas and suggestions given by the faculties for implementing the framed policies. The Principal heads the academic, administrative and other matter related to the students. He has full authority on academic activities and formations of various committees. He delegates various roles to the members in the committee to act autonomously. HODs have functional autonomy to decide on the various departmental events by implementing them with the involvement of the faculty members. They have privileges in proposing the budget, framing timetable, subject allocation, assigning department coordinators for various committees, conduction of National and International Conferences, organizing seminars and workshops, arranging Industrial visits, In Plant trainings and help in manifesting the vision and mission. Case study. The institution encourages the concept of decentralization and actively pursues the implementation in the overall schema. • Head of the department plays a crucial role in decentralizing the resources by scheduling the activities of the department and assigning responsibilities to the department faculties. • Faculty members are involved in the purchase and maintenance of equipment and consumables. One of the objectives is to mentor the students as productive

citizens for the society at large as participative management. Towards the end, the mentoring system provides a guide line to the students was conceived and implemented with the participation of the faculty members. The mentoring system comprises with different steps.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	The Institution is affiliated to Visvesvaraya Technological University (VTU), Belagavi and is approved by the All India Council for Technical Education (AICTE), New Delhi. Hence admissions to all the programs are as per the VTU/AICTE/Govt. of Karnataka norms. All the admissions are approved by the Directorate of Technical Education (DTE), Govt. of Karnataka, and VTU. College admits students through CET, COMEDK, PGCET, MAT, GMAT, CAT and Management as approved by Government of Karnataka in line with VTU and AICTE norms. For Ph.D programs, the affiliating university notifies for registrations. University will conduct entrance test and sets the minimum eligibility conditions for registrations. Also, conducts pre-registration interviews and clear procedure is followed. At the institution level, Clear admission process of registration, stage-to-stage progress reports, Final completion of the work are all followed. The branding for the SJBIT is mainly because of the staff and the alumni. Admission notification is publicized mainly through website, prospectus, newspaper, magazines, campus management software (CMS). Banners are displayed in the campus giving details of admission to the college. Stalls are set up in Educational fairs to publicize the admissions. However, the majority of admissions have always been through recommendations of alumni, parents, current students and faculty.
Industry Interaction / Collaboration	Industry-interaction/Collaboration is the most preferred activity for mutual benefit and growth of industries as well as institutions. This provides the best platform for showcasing the best practices, latest technological

	advancements, and their implementation and impact on the industry. Also, it promotes industry experts to participate in curriculum design which plays a significant role in preparing the students ready for the industry. Through interaction, industries can participate in technical education programs and cross-fertilize ideas for systems improvement. Teaching-learning processes can be improved by integrating industrial training to the students which also provides an exposure of the corporate world. Industry collaboration can also increase the research and development activities in both industries as well as institutions which further lead the nation to grow technologically and socioeconomically. In view of the above, our Institution has a MoU with 38 eminent industries with various objectives.
Human Resource Management	SJBIT has clearly laid out policy for the Human Resource Management, where in clear guidelines are laid out starting from the recruitment to the management of the human resources. SJBIT recruits the faculty on the merit basis following the standard guidelines. For recruitment, after preparing the requirement analysis, advertisement will be given on the leading news papers, inviting the applications as per the statutory norms. Staffs are selected by the expert panel purely on merit basis. The newly recruited staff will undergo refresher training organized by the affiliating university as per the set guidelines. Institution plans and implements the pedagogical training for all the staff to match up to the growing standards. some of the trainings held so far are on ios training, Digital Professional Development training, etc. The workloads for the staff are based on the statutory body norms and guidelines. Proper hierarchical structure is incorporated in the environment for the transparency in the governance. Staffs are encouraged to take up their higher studies and update in their qualifications. Staffs are encouraged to take up FDPs, Workshops, seminars, conferences for upgradation of their skills knowledge. The college has Biometric system for taking

	attendance for teaching and nonteaching staff.
Library, ICT and Physical Infrastructure / Instrumentation	The Library has an advisory committee consisting of Principal, HODs, Chief Librarian, and faculty member nominated by each engineering department, Basic Science and MBA department. The Advisory committee normally meets twice in a year. It acts as an advisory body with regard to facilities and services and gives suitable suggestions for procurement of books and other relevant materials for better functioning of the library. The facilities were created on the advice of the Library Advisory Committee and it aims to improve the facility on a regular basis. The power back up, digital library, computers and printers, Internet facility, e-learning resources, information display and notification, reprography, etc., are the significant facilities contributing for the user friendly environment. The library facilitates are ICT enabled for learning and ICT tools are deployed for the efficient use of the library resources. As part of Digital Library-VTU Consortium, e-Resources (e-books and e-journals) are subscribed for the current databases as per the consortium agreement. Computers are made available in the Library premises for the hassle free and easy access of resources by the students and faculty members. Facilities are updated periodically (ex: computers, software, electronic equipment) to meet the growing and changing needs of the college. Appropriate measures are taken to maintain safety, security, hygiene, cleanliness and greenery on the campus. Provisions are made in the budget for the purchases and maintenance of the same. Library Software upgraded, Books related to Competitive exams added to the collection, Wi-fi facility provided in the Library for students to browse information in their Laptops. Swayam-NPTEL Local chapter established, and students are encouraged to enroll in these courses. Plagiarism checking tool Turnit-in purchased for the benefit of Students.
Research and Development	SJBIT has very defined and dedicated policy for Research development with the following goals. • Establishment of research amenities to encourage and

	cultivate the research culture among the learner community. • Promotion of consultancy and research to the staff and students. • Highlight the innovation and creativity in all aspects of activities of the Institution. • To promote collaborative research • Student project, publications • Student participation in various competitions • Centre of excellence In order to achieve the above goals, SJBIT has established Nine VTU recognized research centers to pursue Ph.D. programs across different disciplines. Infrastructure Facilities, Journals, reference books, internet, lab facilities are made available to research scholars. Extended to the following of guidelines regulations laid down by the affiliating University, SJBIT has defined its own qualitative improvement measures. Research Scholars, Faculty, Students are encouraged to submit research proposals to funding agencies such as NRB, VGST, AICTE, DST, KSCST, DEITY, SERB, VTU, etc. Principal Investigators of the sanctioned projects are given incentives for every project sanctioned. Academic and administrative support is extended to all the sanctioned projects and associated scholars for successful execution and completion.
Examination and Evaluation	As affiliated institution, SJBIT follows the Visvesvaraya Technological University guidelines directions in conducting the Semester End Examination and Continuous Internal Evaluation of the students. University prescribes the Semester End Examination (SEE) and Continuous Internal Evaluation (CIE) for the students with weightages varied from scheme to scheme modified and released year on year. university has different structure of examination evaluation based on the level of graduations like, Under graduation, Post graduation research scholars. Apart from the university guidelines and prescriptions, we at SJBIT has a meticulously planned structure to assess the students and enable them to continuous learn and self learn. The different strategies or methods that are encouraged with the students for overall development are Student presentation to imbibe presentation

	skills, writing assignments to encourage self learning, conducting quizzes and polls to enable the analytical thinking and to be ready for competitive assessments, group discussions for cooperative learning and competitive learning, etc. The internal test questions are set to map to the course outcomes and program outcomes which are explained to the student at the start of a course. The question paper also addresses the different Bloom's skill levels. This ensures the questions are properly set. Senior teachers of the department check the question paper for quality. The teachers also use a predefined scheme of answers to evaluate the performance. The students have access to the answer books to check fairness of evaluation. Each assignment consists of questions on environment and societal effect of engineering decisions which the students research and answer. This inculcates in students independent learning and concern for the environment and empathy for the society.
Teaching and Learning	The following strategies are adopted for teaching-learning • Appointment of well qualified, competent teachers and providing opportunities for their continuous development through training. Blended mode of teaching and assessments. • Organization of FDPs on pedagogical initiatives. • Students are exposed to topics beyond curriculum and to recent trends and also motivated to inculcate the spirit of life-long learning. • A well-developed process for design, planning, execution, measurement of outcome, feedback and correction is in place. • Remedial classes are conducted for slow learners to bring them on par with other students. • Attainment of course outcomes is assessed, and action plan is proposed to overcome deficiencies/gaps if any. • Internet/Wi-Fi facilities are provided. • Students are encouraged and facilitated to take internships. • Students are also encouraged and facilitated to visit industries for enhancing their knowledge in real times. • Platforms are provided for continued and sustained interactions.

Admission of Students	As we are affiliated to the Visvesvaraya Technological University and the university develops the curriculum, we have little scope in curriculum development of the university. Institute deputes faculty members to the workshops conducted by the university on curriculum development and our faculty also corresponds with the university for any suggestions in the development of the curriculum. Further, senior faculty members of the institute are part of BOS in the affiliating university. However, the Institute has a policy of identifying the gaps in relation to the university curriculum and present day industry needs in collaboration with all stake holders. SJBIT follows all the last mile approaches to enrich the curriculum of the university and thereby enriching the students to meet the real time demands. University follows the Choice Based Credit System (CBCS) curriculum.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Planning and Development	Campus Management System for SJBIT is introduced in the campus from very long time. CMS helps in maintaining student attendance management, Staff attendance Management, conduct of Test examinations, Online Fee Payment mechanism etc. Communication to all the stake holders including staff, students and parents happen online. CMS enables the processes to reduce the time spent, save costs and helps all stakeholders involved in the process.
Administration	The institution adopts a well planned heirarchical structure for the administration process. The Principal under the supervision of the Mangaing Director has nominated HODs for each of the academic departments and also for the administrative departments. Principal along with HODs will strategise and develop plocies and plans for the functioning of the institution. The HODs will execute and monitor the various works of the instittuion. The isntitution has very transparent system where all the stake holders are accessible to each other. The college has Biometric system for taking attendance for teaching and

		nonteaching staff. The college campus is equipped with CCTV Cameras in all class rooms, laboratories and at strategic points. Admission process happens online, fee due and leave management are made easy through online mode.
Finance and Accounts		The Institution has adopted software which helps collection of students' fees in digital and transparent manner. This helps to increase the efficiency of staff towards the accuracy in financial transactions. The college conducts regular audit of annual books of accounts. Apart from the statutory body audit of accounts, the trust has a policy for monitoring the funds flow and audit of accounts very periodically. Since the end - to- end financial transactions are digitized, the erring of the book of accounts is nearly impossible. The audited accounts are made available for verification by any statutory bodies.
Student Admission and Support		College admits students through CET, COMEDK, and Management quota as approved by Government of Karnataka in line with VTU and AICTE norms. The Government of Karnataka has established Karnataka Examination Authority (KEA). KEA conducts entrance test and admits students (online) based on the eligibility/merit, to Government quota share of seats in Engineering and Masters programs. Similarly COMEDK conducts online entrance test and admits students based on the eligibility/merit, to COMEDK quota share of seats in Engineering. For Ph.D programs, the affiliating university notifies for registrations. University will conduct entrance test and sets the minimum eligibility conditions for registrations. Also, conducts pre-registration interviews and clear procedure is followed. At the institution level, Clear admission process of registration, stage-to-stage progress reports, Final completion of the work are all followed. Admission of students are happening through online counselling. Admission at the institution is completely digitized starting from application submission, registration, payment of fees to opening up student online profile and portal access for academics as well as

	fees payment in the later stages. • At college level, SJBIT uses campus UNO app which supports staffs and students by providing online access to curriculum matters like calendar of events, time table, course materials, attendance status, internal marks etc. Online facility for the students are provided in terms of payment of fees, access of materials, etc.
Examination	Online question paper delivery from VTU, printing with high speed printers online valuation and online results announcements. Also online exam form entry, practical marks entry, internal marks entry, etc.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2020	Nill	Nill	Nill	Nill

No file uploaded.

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	Application of Advance Power Electronics for Power Systems, Power Quality Vehicles	Nill	15/07/2020	20/07/2020	40	Nill
2020	Technology based Entrepreneurship Development Program	Nill	27/01/2020	03/02/2020	26	Nill
2020	Microcontroller	Nill	20/01/2020	22/01/2020	25	Nill

| 2020 | Data Science and Cyber Security(Online) | Nill | 12/09/2020 | 15/09/2020 | | 130 | Nill |
| 2020 | Basics of Mathematical Modelling and MATLAB coding | Nill | 07/01/2020 | 12/01/2020 | | 51 | Nill |

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
203	203	135	135

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. Provident fund as per the norms 2.Leave benefits like casual leave, earned leave, maternity leave, study leave, sick leave etc. as per the Institute norms. 3. OOD for faculty members persuing research related work, paper presentation/ participation in conference/ FDP's/ workshops/ any training programs.	Provident fund as per the norms. • Leave benefits like casual leave, earned leave, maternity leave, study leave, sick leave etc. as per the Institute norms. • ESI facility for medical expenses.	• Merit scholarship of Rs.25,000/- will be given to all the students securing highest marks in university examinations. • All students securing Ranks in VTU are awarded gold medals.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Institution conducts internal and external financial audit regularly through authorized auditor. Internal Audit. All expenses are incurred with proper approval or sanction by the Head of the institution or HoDs of various departments, which are accounted for. Seed money distributed, registration

amount generated, expenses incurred and disbursed in each activity say FDPs, workshops, purchase of consumables, servicing of equipment, etc. are some of the activities undergoing regular internal audit. Every financial transaction is recorded, scrutinized and audited.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Funds/Grants From Management	8000000	Upgradation of Research Facilities

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6.4.3 – Total corpus fund generated

<div align="center">180240356</div>

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	NAAC, VTU-LIC	Yes	IQAC
Administrative	Yes	VTU-LIC, IT Dept., SAS Trust	Yes	SAS Trust, Governing Council

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Every semester, Parents Teacher meeting is arranged to discuss the activities performance of their wards in internal and external assessments. • Parents' feedback is taken for overall development of the department and Institution. • Few Parents are also a part Department Advisory Board (DAB) of the departments and supports the smooth functioning of the activities related to the students.

6.5.3 – Development programmes for support staff (at least three)

Supporting staff developments programs are conducted at the department levels regularly. Non teaching staffs are motivated and deputed to attend the workshops and technical training activities. Regular health check-up camps in college to ensure the well-being of the employees 'Holistic' approach towards all the stake holders More open interactive and progress oriented organizational culture

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Addition of physical and IT infrastructure, modernization of existing laboratories and establishing new laboratories in line with industry's requirements. 2. Establishment of Centers of Excellence to provide a platform for training research for both students and faculty. 3. NBA accreditation and SAR is uploaded already and Working towards accreditation by reinforcing OBE system faculty are encouraged to involve in the NBA processes including evaluation processes to achieve attainment higher levels of course outcomes 4. promotion of research activities 5. Enhancement of Industry linkages through collaboration 6. Implementation Alumni lecture series. 7. Organizing Online Faculty Development Programs.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal

	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	IQAC meeting	21/09/2019	21/09/2019	21/09/2019	25
2020	IQAC meeting	24/06/2020	24/06/2020	24/06/2020	25
2020	AISHE	24/01/2020	24/01/2020	24/01/2020	203
2020	Quality Audit	24/06/2020	14/09/2020	18/09/2020	205
2019	Quality Audit	21/09/2019	29/01/2020	01/02/2020	203
2019	NIRF	22/06/2019	03/12/2019	03/12/2019	203
2019	Submission of AQAR	21/09/2019	24/12/2019	24/12/2019	203
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Importance of Gender Equality in Business	26/06/2020	26/06/2020	55	60
Awareness on Sexual Harassment laws, Anti-Ragging, equality & relevant laws prevailing	13/08/2019	13/08/2019	213	388

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
1. Solar energy- Solar panels are installed on all blocks helping to reduce consumption of fossil fuel electricity, also the excess renewable generation is driven back to grid. 100 of the power consumption will be drawn from solar power during peak hours. 2. Effective reuse and recycle of waste water treatment plants is effectively managed 3. Dry waste management to produce compost. 4. Rainwater is allowed to the abounded borehole to enrich the water table.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nill
Provision for lift	Yes	Nill
Ramp/Rails	Yes	Nill
Braille Software/facilities	No	Nill
Rest Rooms	Yes	Nill
Scribes for examination	Yes	Nill
Special skill development for differently abled students	Yes	Nill

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	17/09/2019	1	Blood Donation Camp	Importance of Blood Donation and also create awareness on blood donation	220
2019	1	1	24/12/2019	1	Created Awareness program on computer knowledge to government school students	Importance and Role of computers in education	93
2020	5	5	03/01/2020	1	Village Survey under Unnath Bharath Abhiyan	Solving the village issues locally with the help of Technology	10
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Orientation Program to Students	05/08/2019	Highlights the functioning of the institution, disciplines to be followed in the campus, Calendar of events, rules and code of conduct to be followed at the institute. Social etiquettes Social Responsibility Environmental Concerns

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Professional Ethics in Work Place By – Ms. Vani, Assistant Professor, Jain University	27/06/2020	27/06/2020	120
Webinar on "VASTU is Science or Astrology?"	08/07/2020	08/07/2020	45
Webinar on "Awareness on Covid 19"	12/06/2020	12/06/2020	31

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

The institute has taken following initiatives to make the campus ecofriendly • Solar panels are fixed on the roof tops of the Building. 250 KW of solar energy generated which is transferred to the electric grid. Use of grid connected solar energy helps to conserve electricity use. • Solar water heating systems are fixed on the roof tops of the hostels to provide all time hot water to the inmates. • Normal light bulbs are replaced by LED/ CFL lamps. • Rain water harvesting is efficiently practiced in the campus Run away water of rains is collected in 5 tanks. • All internal communications of Administration, Office and Departments are done through electronic communication. • Lush green garden boarder by the avenue trees and shrubs helps in Carbon Neutrality • Comprehensive waste management in SJBIT campus • Including awareness programmes on conservation of water under the celebration of world water day • Improvement in the planting the medicinal plants in the campus • Improvement in the quality of recycled waste water effluent • Plastic waste management in the college hostel • Initiatives on controlling CO2 emissions • Energy conservation by adopting solar panel on the roof tops of all the building blocks

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. In-house internships Various industries of international repute have established the center of Excellences at the institution campus providing the right opportunity for the students to get trained in the recent developments of the respective technologies and processes. In-house setups will provide access to the industries set up throughout the year. 2. Digital Professional

Development All the class rooms are equipped with Apple TV, classroom wi-fi systems and projectors. Curriculum content are delivered through digital platform using i-pads. Various tools of convenience are used in delivering as well assessing the student learning performance. Digital platform enables the student in quick better understanding the concepts of study also to participate in self evaluations.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://sjbit.edu.in/best-practices/

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Defining our Academic Success Excellence and our success as an institution requires us to carefully assess our strengths and weaknessess relative to the longterm goals and to provide the right curricula, academic supports, and services to help achieve the set goals. At SJBIT, this means developing a ecosystem, that supports student population of diversified backgrounds striving for a wide range of outcomes. Like many diversified institutions, SJBIT has a mix of traditional and nontraditional learners from various academic backgrounds. SJBIT evalautes its Academic achievements by establishing goals and expectations tied to outcomes aspirations. SJB Institute of Technology is Accredited by NAAC with 'A' Grade – CGPA of 3.22. According to The ALL INDIA 'DATA QUESTCYBER MEDIA RESEARCH' SURVEY MAY 2015 .http://www.dqindia.com/indiasbestprivatetschoolsrankedforthefirsttime/ SJBIT is Ranked No. 1 in Karnataka (Amongst VTU affiliated private Engineering Colleges) Ranked No. 5 in South India (Among the Private Engg. Colleges) Ranked No. 14 in India (Among the Private Engg. Colleges) 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 Award2013 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 RD center in all the departments. • High bandwidth internet connectivity and WiFi 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

Provide the weblink of the institution
www.sjbit.edu.in

8.Future Plans of Actions for Next Academic Year

As evidenced by the data collected so far since the year 2017, SJBIT as grown leaps and bounds in terms of teaching learning practices and has raised to the level of embracing the digital mode of learning with blended mode of teaching. Blended mode of teaching, a very successful teaching pedagogy was evident during the pandemic times. SJBIT has achieved a good placement record. SJBIT having good gender mix among faculty as well as students, and it has diversified student community. Scope for improvements and to make significant impact lies in currently lagging behind in research output relative to top engineering institutions. Analysis of the data further shows that the significant improvements has to be made in the field of research. So Research promotion is the interest of the institution, based on the analysis, following plans of action are identified for the coming academic years. To provide centralized facility, at least one Centre of Excellence in the niche areas To enhance industry oriented courses To engage with international MoUs Support and enhance use of online tools such as NPTEL, SWAYAM and MOOC among faculties and students. Promote quality research Enhance seed money to faculty for research Enrich quality publications