|| JAI SRI GURUDEV ||
Sri AdichunchanagiriShikshana Trust®
SJB Institute of Technology
(Affiliated byVTU, Approved by AICTE, Accredited by NAAC & NBA)
No. 67, BGS H & E City, Dr. Vishnuvardhan Road,Kengeri, Bengaluru-60
INSTITUTION'S INNOVATION COUNCIL (IIC)

ANNUAL REPORT 2021-22

ABOUT SJB INSTITUTE OF TECHNOLOGY

SJB Institute of Technology (SJBIT) was started by **Sri Adichunchanagiri Shikshana Trust®** (SAST**®**) in the year 2001.

- SJBIT is affiliated to Visvesvaraya Technological University (**VTU**), Belagavi, Karnataka
- Approved by All India Council for Technical Education (**AICTE**), New Delhi
- Accredited by National Assessment and Accreditation Council (**NAAC**), New Delhi with 'A' Grade
- Accredited by National Board of Accreditation(**NBA**), New Delhi
- Recognized by University Grants Commission (**UGC**), New Delhi with 2(f) and 12(B)
- Certified by International Organization for Standardization (ISO 9001-2015)

SJBIT is located amidst peace and tranquillity and is spread across 13 acres of land with a built-up area of 58967.43 Sqm. SJBIT is committed to personal, social & intellectual growth emphasizing a comprehensive educational programme leading to high academic standards.

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 programs offered by the Institution are:

- 6 Under graduate programs of Bachelor of Engineering in

    - Computer Science and Engineering

    - Electronics and Communication Engineering

    - Information Science and Engineering

    - Electrical and Electronic Engineering

    - Mechanical Engineering

    - Civil Engineering

- 6 Post graduate programs of Master of Technology in

    - VLSI design and embedded system

    - Computer Science and Engineering

    - Computer Networks and Engineering

    - Machine Design

    - Structural Engineering

    - Computer Aided Design of Structures

- 1 Post graduate program in Master of Business Administration.

- 10 Recognized Research Centers

    - Computer Science and Engineering

    - Electronics and Communication Engineering

    - Information Science and Engineering

    - Electrical and Electronics Engineering

    - Mechanical Engineering

    - Civil Engineering

    - Mathematics

    - Physics

    - Chemistry

    - MBA

VISION / MISSION OF IIC ESTABLISHED AT THE INSTITUTE

Institution Innovation Council (IIC) creating ecosystem which will foster the culture of Innovation in institution from ideas generation to work on new ideas and innovation and promote them to create start-ups and entrepreneurial ventures.

Vision

- To create a vibrant local innovation ecosystem.
- Start-up supporting mechanism in HEIs.
- Prepare institute for Atal Ranking of institutions on innovation achievements framework.
- Establish function ecosystem for scouting ideas and pre-incubation of ideas.
- Develop better cognitive ability for technology students.

Mission

- To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in time bound fashion.
- Identify and reward innovations and share success stories.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- Network with peers and national entrepreneurship development organizations.
- Create an Institution's Innovation portal to highlight innovative projects carried out by institution's faculty and students.
- Organize Hackathons, idea competition, mini-challenges etc. with the involvement of industries.

JOURNEY OF IIC ESTABLISHED AT THE SJB INSTITUTE OF TECHNOLOGY

Institution's innovation Council (IIC)was establishment SJBIT in the academic year 2018-19 as per the norms of innovation cell, ministry of HRD, Government of India.

INSTITUTION'S INNOVATION COUNCIL -2018-19

Institution's innovation Council of SJB Institute of technology carried out various activities on innovation, Entrepreneurial and startup activities, and scored four stars during the IIC calendar year 2018-19.

INSTITUTION'S INNOVATION COUNCIL -2019-20

Institution's innovation Council of SJB Institute of technology carried out various activities on innovation, Entrepreneurial and startup, and scored four and half stars during the IIC calendar year 2019-20.

INSTITUTION'S INNOVATION COUNCIL -2020-21

Institution's innovation Council of SJB Institute of technology carried out various activities on innovation, Entrepreneurial and startup, and scored four and half stars during the IIC calendar year 2019-20.

KEY FUNCTIONARIES AT THE IIC INSTITUTE

President: -

• The President will constitute the IIC council and Conduct Council Meeting in accordance with prescribed rules and that matters are dealt with in an orderly, efficient manner.

• He will be the main point of contact with MHRD Innovation Cell.

• He will respond to all communication from IIC National Coordination team (MHRD Innovation Cell) and will be responsible to ensure decent performance of IIC.

• He will coordinate with MHRD innovation cell and responsible for all the IIC activities in the insitute.

• He will ensure Institution's participation in IIC calendar activity and take lead in the institution driven activities (own initiatives).

• He will ensure the effective implementation of IIC activities with the help of Convenor.

• He could change the council members as per the decision taken in council meetings and update the information on portal.

• *He will be responsible for submitting the monthly progress/activity reports on the IIC portal.*

Vice President:-

• It is an Honorary post for a senior expert representative from Industry/Ecosystem enablers. He can be from faculty representative as well in case no experts are available.

Convenor: -

• The Convenor will work in close coordination with IIC president and will provide help wherever required for smooth conduction of activities.

• He will ensure the participation in the meeting and will prepare the meeting agenda at least 10 days prior to meeting with the inputs from all valuable council members and President.

• He will ensure that the internal examination dates would not interfere with the IIC activities and coordinate with all departments to ensure the same.

• He will collect the inputs from all the members of the council at regular interval, especially external members for better planning of IIC activities and effective delivery of results.

Faculty Member/Faculty representatives/ Non teaching staff: -

Members will work in close coordination with President and Convener to develop a comprehensive ecosystem of innovation and synergy in efforts to boost entrepreneurship. They will work as per the responsibilities assigned in council meeting.

Innovation activity coordinator -

Will work to promote innovation related activities on campus or as mandated in IIC council meeting.

Start-up activity coordinator -

Will work to boost startup generation among students and related activities or as mandated in IIC council meeting.

Internship coordinator -

Will work to arrange student internships in startups, so to expose them with startup ecosystem in India, real-life challenges in startup and their success stories or as mandated in IIC council meeting.

IPR activity coordinator -

To promote awareness about IPRs and conduct related activities on campus or as mandated in IIC council meeting.

C. Portfolio/graphical/Tabular representation of Resource strength (human capital and Physical capital) of the IIC institution

PORTFOLIO OF THE IIC INSTITUTION

Sl no	Cell Experts/Portfolio	Name	Department
1	Head of the Institution	Dr. K. V. Mahendra Prashanth.	Principal
2	President	Dr. T. Madhusudhan	Mechanical
3	Vice President	Dr. Krishna A. N.	Computer Science
4	Convener	Mr. Naveena Kumar R. R.	Mechanical
5	IPR Activity Coordinator	Mr. Anil Kumar.G	Mechanical
6	ARIIA Coordinator	Dr. Somashekar K.	Electronics and Communication
7	Internship Activity Coordinator	Dr. Chandrappa D. N.	Electronics and Communication
8	Innovation Activity Coordinator	Mr. Chetan R.	Information Science
9	NIRF Coordinator	Mr. Gowtham K.	Mechanical
10	Social Media Coordinator	Dr. Naveena C.	Computer Science
11	Startup Activity Coordinator	Mr. Puneeth H. C.	Civil
12	Member	Mrs. Chaithra B. K.	Mechanical
13	Member	Dr. Sandeep S R	Electrical and Electronic Engineering
14	Member	Dr. Varun	Mathematics
15	Member	Mr. Rahul R Rai	Electronics & Communication
16	Member	Dr. Krishnan Nair	MBA
17	Member	Mr. Sachin B. V.	Civil
18	Member	Mrs. Roopa D. R.	Physics
19	Member	Mr. Paramesh M. S.	Chemistry
20	Member	Mr. Kiran Kumar V.	Information Science

Nominated for basic level Ambassador training program

1	Dr. Varun V L	bhadravathivarun@gmail.com
2	Rahul r Rai	rahul.r.rai@gmail.com
3	Puneeth H.C	prapanch87@gmail.com
4	Mr. SACHIN B V	Sachinbv.sac@gmail.com
5	Mrs.Roopa D R	drroopa@sjbit.edu.in
6	MR.Paramesh M.S.	paramesh924@gmail.com
7	Kiran Kumar V	kiranmadhavv@gmail.com
8	Dr. Chandrashekar M J	shekarmeuvce@gmail.com

Nominated for advanced level Ambassador training program

1	Advanced fundamental level	Mr. Naveena kumar R. R.
2	Advanced Fundamental level	Mrs. Chaithra B. K.

Completed Ambassador training program

Sl. No.	Field of Expert	Ambassador
1	Design Thinking & Innovations	Mr. Chethan.R
2	IPR & Technology Transfer	Mr. Anil kumar .G
3	Entrepreneurship Development Program	Mr. Bharath .T.S
4	Pre-Incubations & Incubation Management	Dr. Mamatha Mahesh Gowda

ACTIVITIES SUBMITTED IN ACADEMIC YEAR 2021-22

IIC Activities Submitted: 13

MIC Activities Submitted: 4

Self-Driven Activities Submitted: 14

PATENT DETAILS

SJBIT always credence to creative thinking and innovations. We ameliorate the entire thought process and support technically to bring the idea to reality. Patents and Intellectual Rights reshows our strength in research and innovations.

#	Patent Details
1	**Product Name:** Eco-friendly synthesis of pyrrolo [1,2-a] quinoline-3-carboxylate derivatives & their study of antibacterial and antioxidant properties. Indian Pat. **Patent filed Number**: Appl.(2020), IN 201941039384 A 20200313 **Filing Date**: 29/09/2019 **Inventors**: Vijayakumar Uppar, Basavaraj Padmashali, G Banuprakash, Sandeep Chandrashekharappa
2	**Product Name:** N-(4-fluorophenyl)-5-phenyl-[1,2,4] triazolo [1,5-a] pyridine-2-carboxamide derivatives and their synthesis thereof. Indian Pat. **Patent filed Number**: Appl.(2020), IN202041006661 A 20200313 **Filing Date**: 16/02/2020 **Inventors**: Raghu Ningegowda, Sandeep Chandrashekharappa, G Banuprakash
3	**Product Name:** A Machine for Making Finger Millet Flour Balls **Patent filed Number**: 201741030809 **Filing Date**: 31/08/2017 **Inventors**: Madhusudhan T, Suraindir Malhothra, Vinay V Kumar J, Shashidhar, Veerangouda B A
4	**Product Name:** A System and A Method for Controlling Ignition of A Vehicle **Patent filed Number**: 201641036930 **Filing Date**: 27/10/2016 **Inventors**: Vishnu Raveendran, Hemanth Kumar G, Manjunath K P, Priyanka K S
5	**Product Name:** Real Time Tire Pressure Monitoring System for A Vehicle **Patent filed Number**: 201641041813 **Filing Date**: 07/12/2017 **Inventors**: AbhijithGowda A, Abhishek S, Anirudh V, Dharshan G N, Mahadev S Hummanagol
6	**Product Name:** A Speed Breaker **Patent filed Number**: 201641001964 **Filing Date**: 19/01/2016 **Inventors**: Madhusudhan T, Uday M
7	**Product Name:** Foot Operated Vehicle **Patent filed Number**: 201641005631 **Filing Date**: 18/02/2016 **Inventors**: G Anil Kumar, Bharath H R, Pramod N, Dinesh Kanth A

8	**Product Name:** Foldable Helmet **Patent filed Number**: 287277 **Filing Date**: 27/09/2016 **Inventors**: Madhusudhan T, Sanjay B S
9	**Product Name:** A Solar Powered Refrigeration System **Patent filed Number**: 6589/CHE/2015 **Filing Date**: 09/12/2015 **Inventors**: Madhusudhan T, Arujn V, Chetan Kumar, Narendra M, Vinay G
10	**Product Name:** IRBC-System: Intelligent rule based Classification systems to classify Discrete sets **Patent filed Number**: 202041027658 **Filing Date**: 30/06/2020 **Inventors**: Dr. Murali G
11	**Product Name:** ICD-Devices: Intelligent Clustering Digital devices in an Internet of Things (IoT) **Patent filed Number**: 202041028300 **Filing Date**: 03/07/2020 **Inventors**: Dr. Murali G
12	**Product Name:** GOI on Road Monitoring Device **Patent filed Number**: 202141006356A **Filing Date**: 16/02/2021 **Inventors**: Dr. Vinod H C , Mr. Santhrupth B C
13	**Product Name:** A Machine for Making Finger Millet Flour Balls **Patent filed Number**: 201741030809 **Filing Date**: 31/08/2017 **Inventors**: Madhusudhan T, SuraindirMalhothra, Vinay V Kumar J, Shashidhar, Veerangouda B A
14	**Product Name:** An Artificial Intelligence enabled Cryptography based Financial Analytical tool **Patent filed Number**: 2021101470 **Filing Date**: 23/03/2021 **Inventors**: Dr. Vinod H C, Mr. Chetan R, Mrs. Yamuna U
15	**Product Name:** Intelligent Temporal Extraction And Analysis Model-Based Web Personalized Recommendation **Patent filed Number**: 202141027419 A **Filing Date**: 18/06/2021 **Published Date**:02/07/2021 **Inventor**: **Mrs.Chaitra H K**
16	**Product Name:**Automatic Fruit Sorting using Image Processing **Patent filed Number:**202021038153

	Filing Date: 04/09/2020 **Published Date**:18/09/2020 **Inventor**: Dr. Gopalkrishna M T, Dr. Naveena C
17	**Product Name:** Kannada Text Detection and Recognition from Natural Scene Images using AksharaNet CNN Model **Patent filed Number**: 202141037949 **Filing Date**: 27/05/2021 **Published Date**:11/06/2021 **Inventor**: Dr. Naveena C
18	**Product Name:**Automated aerial vehicle **Patent filed Number**: 354840001 **Filing Date**: 13/12/2021 **Inventor**: Dr. Krishna A N, Mr. Arun Kumar DR
19	**Product Name:**Carry Forward Of Unused Resources In Multi Sharing System In Hybrid Cloud **Patent filed Number**:20202141002370 **Filing Date**: 19/01/2021 **Inventor**: Dr. Srikanataiah K C
20	**Product Name:**Method and System for utilizing Deep Learning techniques for implementing electronic authenticate **Patent filed Number**:202241004656A **Filing Date**: 28/01/2022 **Published Date**:04/02/2022 **Inventor**: Dr. Basavaraj G.N

D. Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind and Student bodies/clubs engaged in promotion of Innovation and Entrepreneurship in the campus.

RESEARCH INITIATIVES

Highlight Facilities:

Strengthened collaborative ventures between the Institution and outside partners.

- Promotion of Research in emerging areas and with Societal Relevance.
- Monitoring of research work progress and facilitate Research associates
- Undertaken Research activities and develop projects offered by the agencies
- Financial support for the Man power, Equipment's & Services used in the Research activities
- Encourage and motivation for quality & Innovative projects and paper publications.
- Support for conduction of Technical Talks, FDP, Workshops

connected to Research

- Motivation and guidance in developing of products, processes and technologies to improve the quality of human life
- Support in building Infrastructure and encourage faculties for consultancy work.

Institutional strategies for planning, upgrading and creating infrastructural facilities

- Established separate Laboratories for research activities in each Department (R&D Cell).
- Computers with internet facility is provided to the research scholars and faculty members.
- Accessibility of renowned Publications.
- 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.
- Encourages faculties for external funding proposals.
- Holds institutional membership of various professional.
- Financial support to faculties to for research connected activities and file Patents for their inventions.

INCUBATION UNITS

S.No.	Incubation Unit Name	Funding Agency/Schemes Available
1	NI LABVIEW ACADEMY	Own Resource
2	Industrial Automation Centre of Excellence	Own Resource
3	SJB Incubation Centre	Own Resource

Mentor-Mentee Program

Mentee Institute	
Sai Vidya Institute of Technology – Karnataka -	South-West/SWRO

Pre-incubation and incubation:

Internships are offered by the companies signed MoU with SJBIT
(Students also take up Internships in Public sector companies.)

#	Company Name	Domain	Contact Person
1	Data Lore Labs	ML, AI	Dr. Srikantiah K C, CSE
2	Zero Zilla Pvt. Ltd	Web, Mobile, ML	Dr. Ajay Prakash B V, CSE
3	MODO EduLabs	Robotics and AI	Dr Bindiya M K, CSE
4	Ethnotech Academic Solutions	Web, Mobile, ML, Cyber security	Dr. Ajay Prakash B V, CSE
5	Genisis	Python, Java, Machine Learning	Mrs. Shubha T V, CSE

6	Live Wire	Data Science	Dr. Murali G, ISE
7	Vishwajyothi Technologies	Data Science and AI	Dr. Mohan H S, ISE
8	DHS Informatics Pvt. Ltd	Android App Development	Dr. Murali G, ISE
9	Rectopage	Application Development, Machine Learning	Mrs. Poornima M, ISE
10	Rexroth Bosch Group	PLC and Sensoric	Mr. Bhaskar B, ECE
11	NI Systems (India) Private Ltd.	Embedded System Design Automation and IoT	Dr Ravikumar A V, ECE
12	Knowx Innovation Pvt Ltd	Embedded System Design Automation and IoT	Dr. Chandrappa D N, ECE
13	Tequed Lab	AI and ML, Big Data	Dr Mahantesh K, ECE
14	Loginware Pvt. Ltd	Automation and IoT	Dr Mahantesh K, ECE
15	Training world 360 Solutions Pvt. Ltd	Wireless communications	Dr. Mahendra Prashanth K V, ECE
16	Dlithe	Embedded Systems IoT	Dr. Supreeth H S G, ECE
17	Elekpro Electrical Engineers (P) Ltd	High voltage relays Testing,	Dr. Sandeep S R, EEE
18	Mahatma Gandhi Institute of Rural Energy & Development (MGIRED)	Rural Energy and sustainable rural development	Dr. J P Sridhar, EEE
19	VV Technologies	Embedded systems and IoT	Dr. M J Chandrashekar, EEE
20	Viswajothi Technologies pvt. Ltd.	Power electronics	Mrs. Tharakeshwari V K, EEE
21	VV Systems and Power Panels PVT. LTD	PLC and Software development	Dr. Mamatha Mahesh Gowda, EEE
22	BOSCH REXROTH -SJBIT	Hydraulics and Pneumatics	Dr. Kiran kumar.P, MECH
23	PM Tools and Manufacturing Pvt. Ltd	Manufacturing	Dr. H K Srinivas, MECH
24	Central Manufacturing Technological Institute	Nanotechnology and material characterisation	Mr. Ganagadhar T G, MECH
25	Quest Auto Engineering	Manufacturer of tipper trucks, truck load bodies box & truck containers	Mr. Manjunath Naik, MECH
26	Prayojana Construction Management and Training Institute	Construction Management	Mr. H. Narendra Kumar, CIVIL
27	G 2 G Consultancy, Bangalore.	Construction and Project Management	Dr. Lakshmi C, CIVIL
28	Prakruthi – Institute of Environmental studies	Environmental Planning and Management	Dr. R Sridhar, CIVIL
29	Enstructura Consultants Pvt.Ltd	Construction and Project Management	Dr. Lakshmi C, CIVIL

STUDENT BODIES CLUB:

1. EDC CELL

2. MHRD-IIC CELL

3. EEE CELL

ENTREPRENEURSHIP DEVELOPMENT CELL

Entrepreneurship Development Cell (EDC) at SJBIT was established in 2012 in association with MSME, Ministry of HRD and Govt. of India. The functioning with the intention of nurturing entrepreneurship skills of the students and provides a platform for the students to pursue entrepreneurial activities and also provide assistance to potential entrepreneurs. It assists every aspiring entrepreneur on every single step and promotes and revitalizes the entrepreneurial culture in the college.

OBJECTIVES:

- To act as an institutional mechanism for providing various services including information to budding entrepreneurs.
- To create Entrepreneurial culture among students of the Institution and other institutions in the region and to also promote the programs catering to different classes of people such as related to women and weaker sections of the society.

- To act as a better linkage between the College, Industries and R&D institutions in the region and other related organizations engaged in promoting Small & Medium Enterprises (SMEs) including NGOs and other Voluntary Organization.
- To respond effectively to the emerging challenges and opportunities both at national and international level relating to SMEs and micro enterprises.
- To inculcate within the faculty and the students the need and importance of Enterprise Development.

Activities to support flourishing of EDC at SJBIT

- International Webinars on Entrepeneur development
- Seminar on "Motivational Talk on Entrepreneurship
- Seminar on "Patent – Fantastic idea how to protect them"
- Seminar on "Motivation to become an entrepreneur"
- Guest Lecture on " Future trends in automotive engineering
- National Conclave for startups

E. HIGHLIGHT ACHIEVEMENTS

National Innovation Contest 2020- project in progress

IIC National Innovation Contest 2020 was announced during the month of February 2020. SJB Institute of technology participated in contest and 80 POC are summited for contest after various stages of evaluation Dr. LAKSHMI.C professor civil department and team Got 3,00,000 funding for the Topic "A Sustainable Approach for Producing Bio-fuel Utilizing Withered Flower Waste"

Go Kart Design Challenge (GKDC)

Mechanical Engineering Students Team "Greyhound " participated in National Event, 9th Go Kart Design challenge on 22/08/2022 to 25/08/2022, Event was organized by Indian Society of New Era Engineer's (INSEE). Go Kart vehicle was designed and fabricated by Mechanical engineering student's team Greyhound in the space provided in Mechanical Department lab and qualified for participation in the Final event. SJBIT greyhound Team Secured 19th place in the National level.

F. Highlight selected best Innovations & images with mention of inventor/innovation name

Sl. No.	Title	Lead Name	Amount sanctioned	Funding agency
1	Mechanical and Tribological Investigation of Severe Plastic Deformation for Nitrided Hybrid Compoiste	Dr. H R Vitala	8.00 Lakhs	VTU
2	Design, Analysis and Fabrication of Semi Automated MultiSeed Sowing and Fertilizer Feeder	Chaithra B K	0.08 Lakhs	KSCST
3	Intelligent device control using brain machine interface	Dr. Mahanthesh K	0.07 Lakhs	KSCST
4	Spider robot for scoUting and defense purpose.	Mrs. Uma S	0.08 Lakhs	KSCST
5	Microstructure analysis of Black cotton soil using demolition waste	Mrs. Shrilatha B	0.08 Lakhs	KSCST
6	Develop an efficient integrated battery management system	Mr. Darshan D B	0.07 Lakhs	KSCST
7	Non invasive blood glucose monitoring system	Mr. Vishrurth B gowda Dr. Mohan S	0.06 Lakhs	KSCST
8	Supply chain management Bio Fuel companies	Dr. Mamatha J Prof. Brijesh Singh	0.06 Lakhs	KSCST

NATIONAL EDUCATION DAY

The National Education Day programme was organized in SJB Institute of technology on November 11, 2021.The programme was organised by the IIT Bombay to commemorate the birth anniversary of India's First Education Minister Abul Kalam Azad which is also celebrated as the National Education Day or Rashtriya Shiksha Diwas every year on 11 November.

ENERGY CONSERVATION DAY CELEBRATION

The Energy club of the department in coordination with Institution Innovation Council (IIC) has organized the celebration of **"National Energy Conservation Day"** on 14th December 2021. National Energy Conservation Day is observed on **14thDecember** to raise awareness about the need for energy and its conservation in daily life. Since 1991, it is celebrated every year by the Bureau of Energy Efficiency (BEE), under the Ministry of Power.
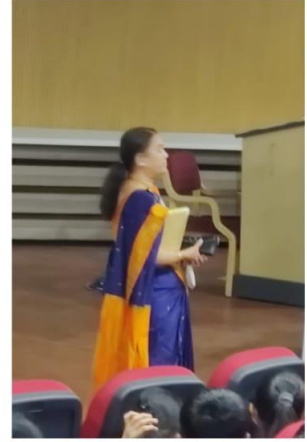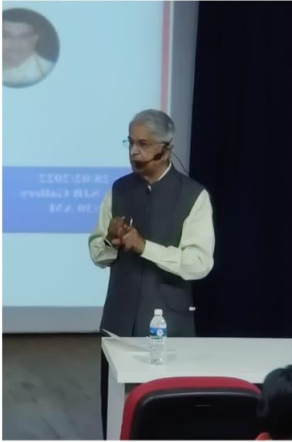
Glimpses of the celebration

NATIONAL SCIENCE DAY-2022

National science day was celebrated on 28/02/2022 Science for the advancement of society with the theme- "Integrated approach for Science and Technology for sustainable development" Department of Mathematics, under the banner of Institution's Innovation Council (IIC) SJB Institute of Technology by organizing the talk by resource person Renowned scientist, Padma Bhushan awardee Dr. B N Suresh, Chancellor, Indian Institute of Space Science and Technology, addressed first year students and gave interesting insights on "Science for the advancement of Society", interested students participated enthusiastically, around 150 students and 50 faculties are attended event.

Event Coordinator: Dr. Padmaja Venugopal, Professor and Head of Mathematics department, SJBIT. IIC Coordinators: Mrs. Roopa D R, Dr. Varun V L

THE IMPLEMENTATION OF NATIONAL EDUCATION POLICY (NEP)-2020

The Department of Electronics and Communication Engineering organized an Awareness Program on **"The Implementation of National Education Policy (NEP)-2020"** for all the Teaching staff of SJBIT, on **02nd March 2022** at **10:30 am** at SJBIT Gallery.

The session started at 10.30 AM. **Prof. Pushpalatha G**, Assistant Professor, Dept. of ECE extended warm welcome to all the dignitaries and audience. **Dr. Chandrappa D. N**, Prof & Head introduced the resource person and delivered welcome speech. Presidential speech was delivered by beloved Principal **Dr. K. V. Mahendra Prashanth**.

Dr. K. M. Ravikumar, Member, Sub Committee-Task force for Implementation of NEP in Karnataka delivered a wonderful session which covered the National Education Policy-2020

INDUSTRIAL VISIT TO "KTECH INNOVATION HUB"

The Department of Electronics and Communication Engineering in association with MHRD - Institution's Innovation Council (IIC), 33 students and 3 faculty visited K-Tech Innovation Hub, Jallahalli, Bengaluru on **24-02-2022**.
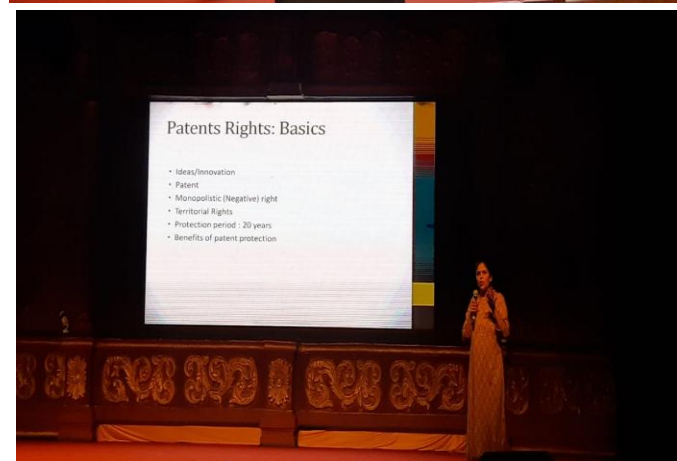
INTELLECTUAL PROPERTY RIGHTS (IPR)

Intellectual property rights (IPR) Workshop oganised for students and Faculty members of SJB Institute of technology on 28.12.2021 by Institution Innovation Council (IIC) in SJB auditorium.

Speaker profile

Preeti Kareddy,

- Practicing advocate at Karnataka High Court and Intellectual Property Consultant

- Completed engineering in E&E from BMSCE in 2011.

-Law from IIT Kharagpur which is a specialisation in IPR post engineering.

-Worked in Honeywell, a venture capital, ITC Infotech.

-Winner of national level moot court competition held at Symbiosis Pune during law school days.

WEBINAR ON "INNOVATION AND DESIGN THINKING IN INDUSTRIES"

Department has conducted webinar for 1st semester (A,B,C,D & E section) students on 16/03/2022 at 1.30 pm to 4.30 pm through online platform Microsoft Teams.

The speaker was **Mr. Arun Tanksali , Co-Founder and CTO** from **Nearex Technologies Pvt. Ltd, Bengaluru**. He gave a clear insight of UPI implementation by IT industries. Students interacted with speaker related to problems on UPI usage and its working procedure. It was really a good presentation which exposed students about the Design thinking.

Dr. Veeresh Chandra M S, **Adjunct Associate Professor from SJCIT, Chickballapura**. He gave a presentation on evolution of apple industries and products developed by the company by applying design thinking. Students interacted with speaker related to problems faced by the company while developing new products. It was really a good presentation which exposed students to develop new products. 300 students participated for the online webinar in the Auditorium.

BUILDING AN EXPERTISE-CHALLENGES AND OBSTACLES

The Department of Electronics and Communication Engineering in association With ED cell organized an Expert Talk "Building an Expertise-Challenges and Obstacles"for fourth sem students of SJBIT, on **04th August 2022** from **11:00 am** at ECE Seminar Hall.

Mr. Naveen Kumar & Mahesha Mahadevappa delivered a wonderful session which covered how to build an Enterprise, challenges and obstacles faced by them. The session was very interactive and beneficial to the audience in understanding the concepts Entrepreneurship and challenges in building an enterprise. The speakers focused on Business model creation and strategy formulation, setting supply chain and developing customer base. Many students and faculty raised their doubts and all those are cleared by the speakers.
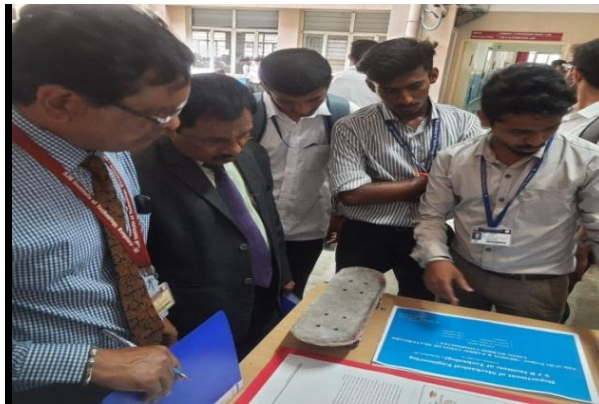
DEMO /EXHIBITION DAY OF INNOVATIVE PROJECT AND START UP

Department of Mechanical Engineering, SJB Institute of Technology organized Demo/ exhibition of innovative project and start up on 22nd June-2022. The students were displaying their innovative project ideas and Prototypes. The key objective of the Demo/ exhibition Day was to give opportunity to the students to showcase their innovative projects (prototype) and interact with mentors, faculty members and other students from different domains & different branches. The input from mentors helped the students to enhance the presentation skills and get support to upgrade their prototype for scaling their products up to startup level. Around 35 projects are exhibited during demo/exhibition day.

The expert review committee was taken presentation from each team participated in the Demo/ exhibition day and evaluated and given inputs to innovative projects and suggested to go for Intellectual Property Rights (IPR) for many projects and finally honored with cash prizes with first prize 8,000, Second prize 5,000 and Third prize 3,000 to projects.

IIC REGIONAL MEET-2022

With the blessing of Pujya Swamiji and support from Principal, SJBIT IIC Team participated in **IIC REGIONAL MEET** held at REVA University on 16/8/2022, As a part of Poster Presentation Competition SJBIT IIC Poster was presented depicting the activities conducted by SJBIT IIC, which was well appreciated by the inspection team as well other participating institutions also keen in seeking guidance & mentorship from our institution.

IIC funded project of SJBIT entitled "A Sustainable Approach for Producing Bio-fuel Utilizing Withered Flower Waste" was presented in the Regional Meet by Dr. Lakshmi C. from Civil Department.

Thankful to Management, Principal, IIC President and all IIC Departmental Coordinators for their support and effort in making IIC SJBIT a recognized one.

ARIIA – participation and Rank

Contact Details

IIC President

Dr. Madhusudhan T
 Professor & Head
Mechanical Engineering
Mil id: madhusudhan@sjbit.edu.in
Mob: 9916101233

Head of the institution

Dr. K. V. Mahendra Prashanth
 Principal,
SJB Institute of Technology
Email: principal@sjbit.edu.in
Phone: +91 9008719999

IIC Vice President

Dr. Krishna A N
Professor & Head
Computer science Engineering
Mail id: ankrishna@sjbit.edu.in
Mob: 9481189899

IIC Convener

Mr. Naveena kumar R R
Assistant Professor
Dept . of Mechanical Engineering
Mail id: naveenakrr@sjbit.edu.in
Mob: 8722927567