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Sri Sharada Peetham, Sringeri  
Jyothy Charitable Trust

# JYOTHY INSTITUTE OF TECHNOLOGY

Tataguni, Off Kanakapura Road, Bengaluru - 82

# JITIMES

## 2024-25



**Achieve More. Go Further!**



*With the Blessings from His Holiness  
|| Śrī Śrī Śrī Bhāratī Tīrtha Mahāsannidhānam ||  
Sharada Peetham, Sringeri*



*With the Blessings from His Holiness  
|| Śrī Śrī Śrī Vidhuśekhara Bhāratī Sannidhānam ||  
Sharada Peetham, Sringeri*

# WHERE VISION MEETS RESPONSIBILITY

## OUR ESTEEMED TRUSTEES



***“Guru Seva Nirata”***  
***Sri. P A Murali***  
*CEO & Administrator*  
*SSPS*



***Sri. M Narasimhan***  
*Managing Partner*  
*Jyothy Industries*



***Smt. B V Seetha***  
*Managing Partner*  
*Jyothy Industries*



***Dr. Krishna Venkatesh***  
*Director, CIIRC*



***Dr. D V R Seshadri***  
*Prof, ISB Hyderabad*



***Dr. B Mahadevan***  
*Former Prof IIM(B)*  
*Founding VC, Chinmaya Vishwa Vidyapeeth*



***Dr. Ganesh Sambasivan***  
*CEO, Anthem Biosciences*



***Mrs. Shraddha A V***  
*Managing partner*  
*AV & Co.*

# THE GUIDING FORCE

## OUR ESTEEMED GOVERNING COUNCIL



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*CEO & Administrator*

*SSPS*



***Sri. M Narasimhan***

*Managing Partner*

*Jyothy Industries*



***Smt. B V Seetha***

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***Dr. Ganesh Sambasivan***

*CEO, Anthem Biosciences*



***Dr. B Mahadevan***

*Former Prof IIM(B)*

*Founding VC, Chinmaya Vishwa Vidyapeeth*



***Mrs. Shraddha A V***

*Managing partner*

*AV & Co.*



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*Former Prof, IISc*



***Mr. Binod R Hampapur***  
*Former Senior VP, Infosys*



***Dr. E S Dwarkadasa,***  
*Former Prof IISc,*  
*CEO & MD ~ KHMD Ltd,*



***Dr. Gopalakrishna K***  
*Principal, JIT*



***Dr. C B Mohan***  
*Vice Principal, JIT*



***Dr. Vadiraj V Katti***  
*VTU Nominee*

# VISION

To be an institute of excellence in engineering education, innovation and research, and work towards evolving great leaders for the country, meeting global needs.

# MISSION

The Institution aims at providing a vibrant, intellectually and emotionally rich teaching learning environment with the State of the Art Infrastructure and recognizing and nurturing the potential of each individual to evolve into one's own self and contribute to the welfare of all.

# EDITOR IN CHIEF'S NOTE

*"In the world of words, we are architects of thought. crafting bridges between minds with every stroke of our editorial pen."*



**Mrs. Usha Sundaresh**

*Department of Humanities (English)*

I sincerely express gratitude for accepting and giving me an opportunity to lead the magazine committee in the capacity of the Chief Editor. JITimes magazine brings before you the essence of JIT life. It has come out in a true class of its own unique colours of fresh talent that should inspire in some way or the other. The essential purpose of our college magazine is to inspire and entertain a diverse readership including faculty, and other readers of the magazine.

By presenting a timely and honest portrait of our college magazine, the magazine endeavours to reflect the values and qualities of our institution which itself maintains the respect and interests of our readers.

We truthfully thank our faculty members of every department with their respective HoDs for their valuable contribution in motivating and collating the write ups.

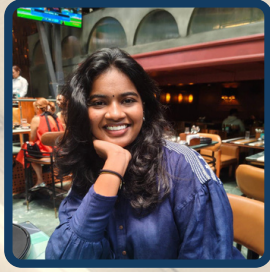
Gratitude extends to our editorial board and magazine committee coordinators for their commitment in laying each stone for the foundation of the magazine and in completion of our publication. Our appreciation for the non-teaching staff who showed their presence through thick and thin in the journey of the magazine. Our heartfelt gratitude to our management and our Principal Dr. Gopalakrishna K for providing us the freedom "to wet our feet" and have this phenomenal experience.

I hope the magazine has continued to serve all its readers, patterns and others in line with the previous ones apart from setting unprecedented standards.

Mrs. Usha Sundaresh

Dept. of Humanities (English)

# EDITORIAL BOARD



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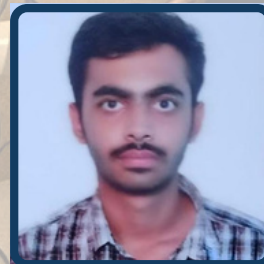
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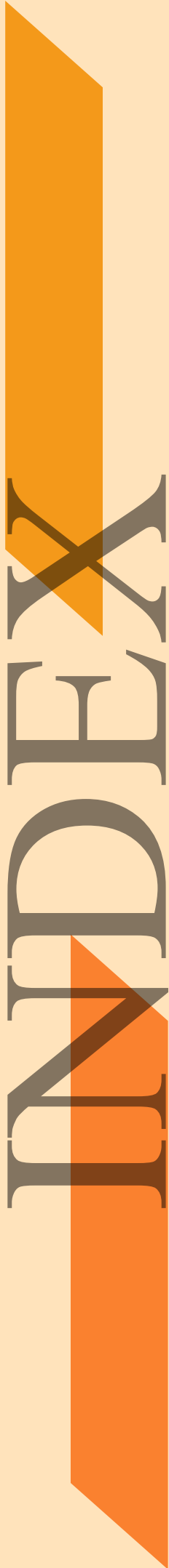
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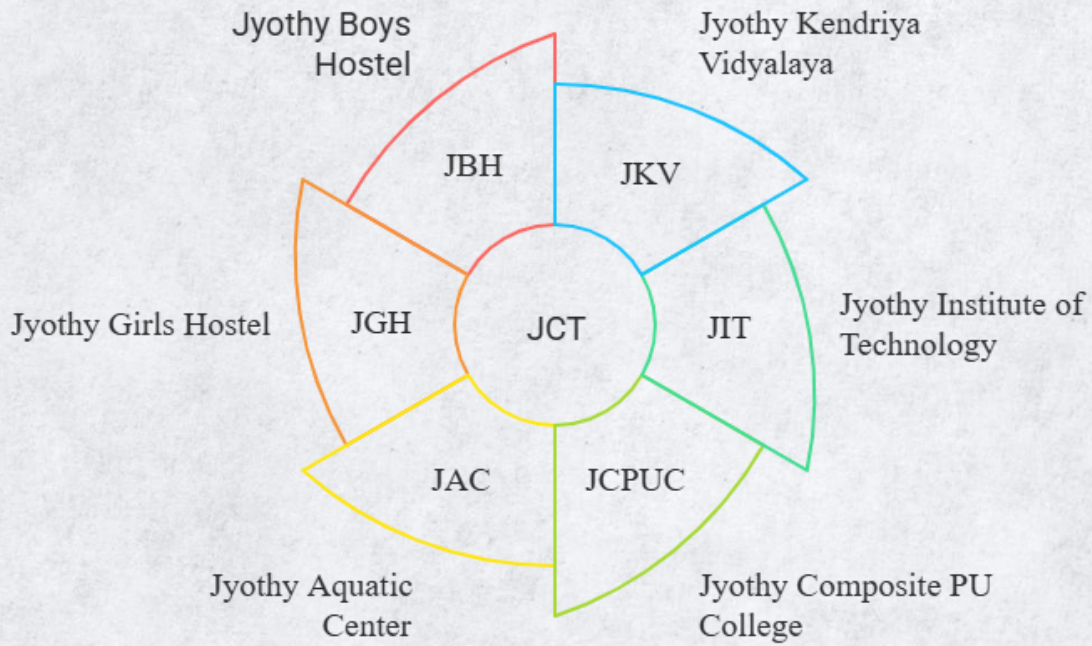


# ANNUAL REPORT 2024-25

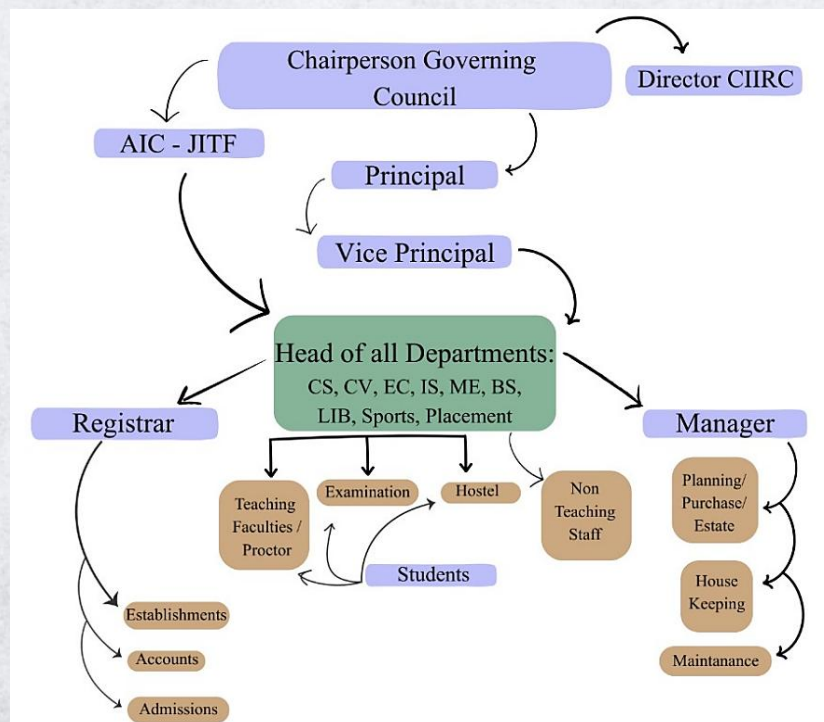
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**“Celebrating growth, excellence, and innovation !”**

# JYOTHY CHARITABLE TRUST



## ORGANISATIONAL STRUCTURE



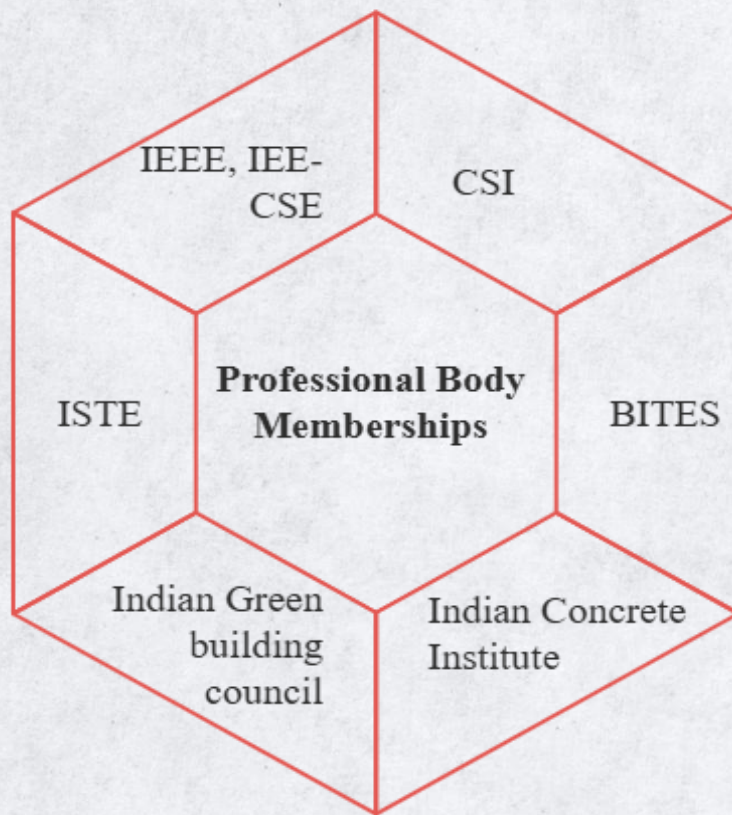
## ABOUT JIT

**Jyothy Institute of Technology (JIT)** was established in the year 2011, with a vision and mission to explore the new frontiers in the field of Technology under the leadership of Late Dr. B. N.V. Subrahmanya, an Educationist & Philanthropist in memory of his daughter Late. Ms. Jyothy with an objective to provide affordable education to students.

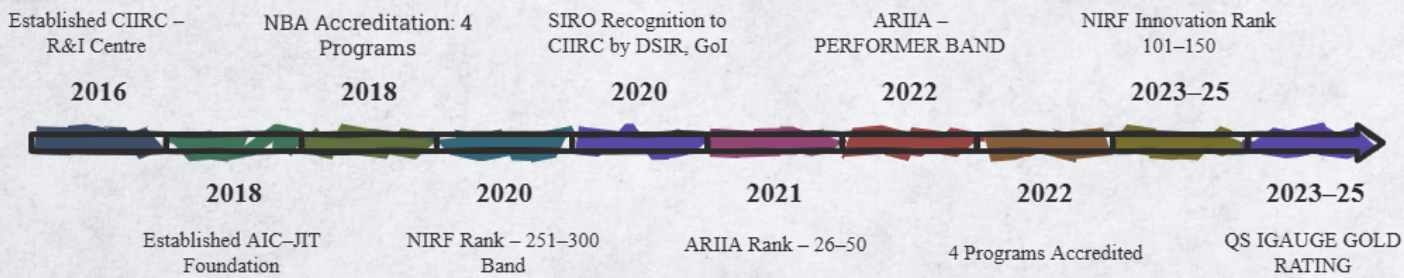
### OBJECTIVES

- Provide state of the art technical education
- Transform youths into qualified technological professionals with good human values.
- Evolve a friendly face of education with emphasis laid on Engineering Technology & Research.
- Provide resources to achieve quality education in all spheres of academic activities.
- Excel through total commitment and continuous improvement to realize quality Education objective
- Create an effective interface with industry, business and community to make education responsive to changes.

UG BE	Programs	Year of start	Total Inktake
1	Computer Science & Engineering	2011	180
2	Electronics & Communication Engineering	2011	120
3	Mechanical Engineering	2011	30
4	Information Science & Engineering	2011	60
5	Civil Engineering	2011	30
6	Artificial Intelligence & Machine Learning	2020	60
PG M.Tech	Programs	Year of start	Total Inktake
1	Data Sciences	2025	18
2	Structural Engineering	2022	18



### Key Milestones in Institutional Excellence



## Achievements and Recognitions : Faculty and Students

### FACULTY

#### Publications:

- Total publications in the last three years: 282
- Patents published in the last three years: 30
- Funded projects : 32
- Consultancy : 05 (JIT only), Services:300(CIIRC)
- NIDHI PRAYAS: 01
- Centres of Excellence: e-Yantra, Automation & Robotics, Embedded Systems -Login ware solutions, Cyber Security- EC Council - EBTS, Robotics & Automation with WEFAA-SUTD (Singapore), PCB lab
- Certification: REDHAT, AWS ACADEMY, GOOGLE CLOUD, IoT, Computer networks
- Decent placement record
- Skill Training and Placement Training
- Elevate Program
- Offer Japanese language Coaching
- JIT NCC wing KBN 52 cadets
- Student mentoring and Counselling
- AICTE PG Certification of Faculty
- Nami Susan Kurian ECE Dept: IEI Young Engineers Award 2024
- 12 R& D Centers approved by VTU, 44 Res. Scholars

### INTERNATIONAL CONFERENCE

- JIT & NITK organized an international Conference. The articles published in Springer(6 volumes)
- Organizing IEEE international Conference on Computing Technologies(ICOCT June 2025)

### STUDENTS:

#### SMART INDIA HACKATHON

- 2020: won national Smart India Hackathon 2020
- 2022: won national Smart India Hackathon 2022

#### SAE AERO ( USA) AWARDS

- 2019: 5<sup>th</sup> place in micro class category 2019
- 2022: 10<sup>th</sup> place in micro class category 2022
- 2023: 9<sup>th</sup> place in micro class category 2023
- 2024: 12<sup>th</sup> place- advanced category 2024

#### UNIVERSITY RANKS

- JIT students secured first and second ranks in the VTU PG Examinations

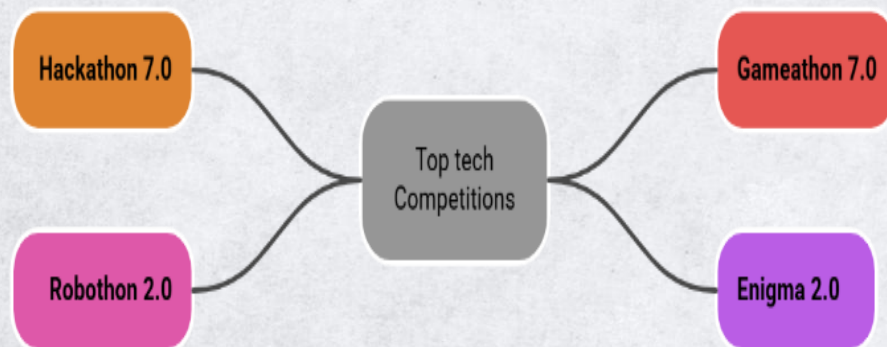
#### OTHER ACCOMPLISHMENTS

- Ultratech awards - Won Best student ICI Chapter ( 26th Sep 2023)
- Students won many Hackathons-All women, Gameathon, Robothon( IISc), Project Exhibitions
- Students bagged offers in Japanese companies- work location – Japan
- Paid Internship in reputed companies & companies Abroad , at least 150 from last two years
- Students bagged international internships in Britain and Zimbabwe



**42 research scholars are currently pursuing doctoral studies and the number of candidates awarded PhD is 10**

**Major Tech competitions organized are:**



## Key Academic & Institutional Achievements



The National Board of Accreditation (NBA) has accredited the CSE, ISE, ECE and CIVIL (2027) programs for the 2025-2028 period. This recognition demonstrates our commitment to quality education and continuous improvement. The accreditation was granted on July 28, 2025.

## Prestigious Awards and Recognitions

**Sir C.V.Raman Award:** Awarded to Dr.Narendra Reddy, Senior Scientist, Composites Lab, CIIRC.

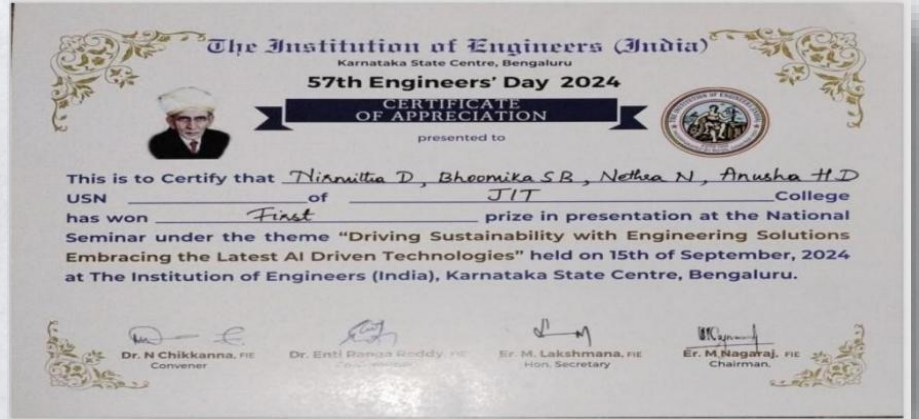
**IEI Young Engineers Award:** Ms.Nami Susan Kurian, Assistant Professor in the ECE department, was presented with this award in New Delhi on September 26,2024.

**VGST-funded Project:** Ms. Rashmi P.N, Assistant Professor in Mechanical Engineering, received ₹10 lakhs in funding for her research on bio-based coatings on May13, 2025.



## Student Achievements

**Engineers' Day National Seminar:** On September 15, 2024, ECE students Nirmitha D, Bhoomika, Nethra N, and Anusha H D won first prize at a national seminar hosted by IEI India. Their project on "Driving Sustainability with Engineering Solutions Embracing the Latest AI-driven Technologies" was selected from 110 teams, and they shared a cash prize of ₹10,000.



**Gameathon 2.0:** The Team of Sameer GB, Prajwal P Ugargol, Srivallabha Datta C, Suraj S. Anaholkar, and Gopi Charan Reddy placed sixth nationally and won a cash prize of ₹1,00,000 at "Gameathon2.0".



**Fastest Line Follower Robotics Competition:** ECE students Anirudh, Pradyumna, Nithin, and Shashank Sinha took second place in the competition held at Maharaja Institute of Technology, Mysore, on November 15, 2024.



**Samsung Innovation Challenge:** Vishal Koti, Siddharth, and Srivatsa from the CSE department secured third place and a cash prize of ₹1,00,000.



### **Srishti 2025:**

We are proud to announce that our students secured **Second Place** in the Project Exhibition Competition at **Srishti 2025**, held at Acharya Institute of Technology from **May 23-25, 2025**.

### **Award-Winning Project:**

**“Bamboo-Coir Based Panels as a Sustainable Alternative to Wood-Based Construction Materials”**

### **Winning Team Members:**

Ms. Vismaya  
Mr. Dinesh  
Mr. Manoj

This recognition highlights our students' innovation and commitment to developing **sustainable and eco-friendly construction solutions**.



### **Hackathon Champions**

We are thrilled to announce that **Bhanushree & Team** from the **Department of Computer Science** emerged as winners of the **38-Hour Hackathon** at **Srishti 2025**.

**Event:** Acharya Institute of Technology

**Dates:** May 23 – 25, 2025

This outstanding achievement showcases their excellence in innovation, problem-solving, and endurance.



We are proud to announce that our students secured **Second Place** in the **Bridge-It Competition** at the national-level festival **Srishti 2025**, hosted by Acharya Institute of Technology.

**Event Dates:** May 23 - 25, 2025

**Winning Team:**

Mr. Kiran  
Mr. Prajwal  
Mr. Manoj  
Mr. Bhairesh



This achievement highlights our students' excellence in practical engineering, innovation, and collaborative problem-solving.

We are proud to announce that our students won a **Consolation Prize** in the Project Exhibition Competition at **Srishti 2025**, held at Acharya Institute of Technology.

**Event Dates:** May 23-25, 2025

**Award-Winning Project:**

"Design and Development of Nano Silica and Undigested Ash Based Geopolymer Concrete"

**Winning Team Members:**

Ms. Sindhu  
Ms. Sushma  
Mr. Surya  
Mr. Chandan



This recognition highlights our students' innovative approach to developing **sustainable construction materials** and their excellence in practical research.

**Ideathon Champions**

We are proud to announce that **Sathvik Vasista & Team** from the **Department of Information Science & Engineering** emerged as winners of the **Ideathon at Srishti 2025**.

**Event:** Acharya Institute of Technology

**Dates:** May 23 – 25, 2025

This achievement celebrates their exceptional innovation, creative thinking, and outstanding presentation



## **Jyothy Institute of Technology: Runner-Up at Srishti 2025**

We are proud to announce that our students' exceptional performance led **Jyothy Institute of Technology** to secure the **Overall Runner-Up Trophy** at the national-level fest **Srishti 2025**, hosted by Acharya Institute of Technology from **May 23-25, 2025**.

### **Award-Winning Achievements:**

#### **1st Prize - Hackathon**

**Bhanushree & Team** | Department of CSE

#### **2nd Prize - Ideathon**

**Sathvik Vasista & Team** | Department of ISE

#### **Bridge Creator Competition**

**Bharesh & Team** | Department of Civil Engineering

#### **Project Expo - 2nd Prize**

**Vismaya & Team** | Department of Civil Engineering

#### **Project Expo - Runners Up**

**Sushma & Team** | Department of Civil Engineering

This collective success showcases the **innovation, talent, and excellence** of our students across diverse engineering disciplines.



**National Startup Day Pitch Fest:** On January 16, 2025, ECE students Kishore M, Aditya Bharadwaj, and Amogh Bharadwaj were selected as a top 20 team at the National Startup Day Pitch Fest. They received a ₹50,000 grant and mentorship.



**India International Innovation Expo:** K. Shravya Vijaykumar received a bronze medal at the India International Innovation Expo in Goa.

**Rotary Inter-Collegiate Debate:** S. Thanushree (4th Sem, CSE) and Tejas R (1st Sem, CSE) won third place and a cash prize of ₹20,000 at the 35th Rotary Yadalam Nanjaiah Setty Inter-Collegiate Debate on February 19, 2025.



**Next Gen Minds (JAGSoM):**

Siddhartha, Srivathsa, and a teammate were the runner-up and received a cash prize of ₹50,000.



The CSE AIML Hackathon Team placed second at PES University Hackathon.

Participated in Hackathon at Dr Ambedkar Institute of Technology received cash prize of ₹ 36,000

Participate in Hackathon placed second at Vidyavardhaka College of Engineering.



**RASCADE Hackathon:** An ISE student team was selected among the top 50 teams out of over 1,200 global entries in the international technical hackathon RASCADE, organized by VIT Chennai in collaboration with the IEEE Robotics and Automation Society.



**RVCE Concrete Fair 2024:**The Civil Engineering department's "Avinya" team secured the Overall Runners-Up trophy at the RVCE Concrete Fair 2024, held from December 19-20.



**Fashion Show Competitions:** Team Alankar placed second at JSS DSATM Bengaluru.

**IEEEYESIST12 2025:** Tejas Hiremath and Srujana K from CSE qualified for the Grand Finale in Malaysia, representing JIT on a global stage.

**Nirmaan 2025:** Students from the Civil Engineering department won prizes worth ₹40,000 at this national-level technical fest at BMS College of Engineering on December 17-18.



#### **International Exposure and Internships (Select):**

**Arizona State University Internship:** Vaishnavi S Kale, Monisha SP, and Vandana (ECE) completed an internship with a stipend at Arizona State University on December 5, 2024.

**Clarity Smart Technologies, Zimbabwe:** Three students were selected for an international internship with a stipend at Clarity Smart Technologies on October 2, 2024

**Leap Interactive LLC:** Dubai NAVEEN REDDY of 5th sem CSE was selected for an international internship with a stipend at 2900 Dirham per month from September to December 2025.

## Research & Industry Partnerships- Select:

**Memorandum of Understanding (MoUs):** An MoU was signed with TNS India Foundation on November 9, 2024, for a 45-day technical training program for eighth-semester students. An MoU was also signed with AIDIN Technologies Pvt Ltd on June 11, 2025, for development initiatives.

Jyothy Institute of Technology signed a **Memorandum of Understanding (MoU) with Qlik**, a global leader in data analytics and business intelligence solutions. This collaboration aims to strengthen the institute's commitment to providing students with industry-relevant skills in **data analytics, visualization, and business intelligence tools.**



## Workshops and Faculty Development:

**AICTE QIP PG Certificate Program:** Faculty from the Mechanical Engineering department were selected for this advanced training program.

**Workshop on Modelling and Analysis:** The Department of Mechanical Engineering conducted a three-day workshop on Modelling and Analysis from April 3-6-2025.



**JavaScript Workshop for Women's Day:** The CSI Student Chapter and the Department of Training and Placement held a JavaScript workshop for female students of the fourth semester (CSE, ISE, and AIML) on March 12-13, 2025, to celebrate International Women's Day.



**JavaScript Bootcamp:** A two-day JavaScript Bootcamp for web app development was held for second-semester students on May 21-22, 2025. A separate JavaScript Bootcamp for second-semester students was held on June 9-10, 2025.



**Python Bootcamps:** Two different two-day bootcamps on "Developing Programming Logic in Python" were conducted for second-semester CSE, ISE, and AIML students on June 2-3 and June 12-13, 2025

### **Generative AI Workshop:**

A workshop on Generative AI was organized for sixth-semester female students on International Women's Day to empower them with knowledge of cutting-edge technologies.



### **AI Jyothy (Selected Product):**

Imagine a study partner that's always available, knows all your textbooks, and can explain complex concepts in seconds. That's AI Jyothy! It is a portable AI device built on a

Raspberry Pi that uses cutting-edge Retrieval-Augmented Generation (RAG) technology. It doesn't just give pre-set answers; it finds information from various sources and generates personalized, context-aware responses just for you. You can simply ask your question aloud; AI Jyothy hears you through its microphone, processes your query, and delivers the answer instantly via its speaker and display—even without an internet connection.



### Why it is a Game-Changer:

**Personalized Learning:** Adapts to provide a unique learning experience for every student.

**Portable & Affordable:** Compact and energy-efficient, making it perfect for any classroom or remote learning environment.

**Always Evolving:** With Version 3 already in development, this companion is only getting smarter.



### **MedConnect: Revolutionizing Pharmacy Access**

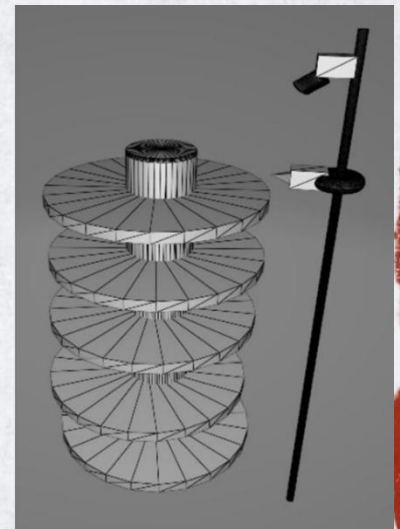
Tired of long queues at the pharmacy? A team of JIT innovators has built a solution: MedConnect, an automatic drug dispensing machine. The Problem: Long waiting times at pharmacies are a hassle for everyone, especially senior citizens and those in rural areas with limited access to medical shops.

### The JIT Solution:

A smart kiosk that dispenses medicine in under 30 seconds with zero human intervention!

### How it Works:

1. **Order & Pay:** Use the mobile app to select your medicine and quantity. Pay securely online.
2. **Scan QR Code:** The app generates a unique QR code. Scan it at the MedConnect machine.
3. **Collect Medicine:** A robotic arm inside accurately picks and dispenses your medication. It's that fast!



### Built for Everyone:

- Elderly-Friendly: Simple QR scan interface, no complex steps.
- For Rural Areas: Can be placed in villages, providing 24/7 access to common medicines.
- No Delivery Delays: Get your medicine instantly, without waiting for delivery or paying extra fees.

## Red Hat Certification

Congratulations to N Kotresh Gowda (1JT22IS029), Spoorthi H M (1JT22IS051), and Rajesh Kumar K (1JT22IS036) from the Department of Information Science and Engineering for successfully clearing the Red Hat Certified System Administrator (RHCSA) V9 exam.



## Summer School Fosters Advanced Skills

A Summer School (Batch 1) was successfully conducted from July 23 to July 25, 2025, for the fourth-semester students of CSE, ISE, and AIML. The program offered intensive training in two cutting-edge domains: Internet of Things (IoT) for 23 participants and Advanced Python for 21 participants. The curriculum effectively blended theoretical knowledge with hands-on practical skills, providing a significant learning experience for all attendees.



## CSI Coding Challenges See Overwhelming Participation

The CSI Student Chapter organized coding challenge events that witnessed enthusiastic participation from students across departments.

**For 4th Semester (CSE, ISE, AIML):** Date: April 15, 2025. Participation: 43 teams

**For 6th Semester (CSE, ISE, AIML):** Date: April 9, 2025. Participation: 47 teams (2 students each).



## Unit Testing & Test-Driven Development (TDD)

A hands-on training workshop on Unit Testing and Test Driven Development (TDD) was held for students selected from the **IntellectX-2027** group. The program provided practical exposure to writing unit tests using frameworks such as **JUnit**, **TestNG**, and **Hamcrest**.



During the summer break, JIT conducted a three-day summer school for students, focusing on **Internet of Things (IoT)** and **Advanced Python**. The workshop combined theoretical knowledge with practical, hands-on skills.

## ELEVATE Java GUI App Development

The **Elevate** program conducted a workshop on **Java GUI Application Development**. The session on April 17 covered the fundamentals of GUI, while the session on April 22 focused on the integration of JDBC and GUI. This training provided students with essential skills in creating desktop applications.



## Empowering Women in Tech: Workshops & Scholarships

### JavaScript Workshop for Women's Day

A special workshop on JavaScript for Web App Development was conducted for the female students of 4th Semester CSE, ISE, and AIML on March 12-13, 2025. Organized to celebrate International Women's Day, this event was a joint initiative by the CSI Student Chapter and the Department of Training and Placement.



### Celebrating Women in Tech: Generative AI Workshop

In celebration of International Women's Day, the CSI Student Chapter organized a special workshop on Generative AI for sixth-semester female students. The event aimed to inspire and equip young women with knowledge of cutting-edge technologies, fostering greater participation in this transformative field.



## Orientation Training on Entrepreneurship

October 9, 2024

An expert-led session by **Ms. Vishnupriya (Wadhvani Foundation)** inspired students and equipped them with core entrepreneurial skills.

### Key Takeaways:

- **Enhanced Awareness:** Students gained insights into business planning, innovation, and market strategy.
- **Skill Development:** Focused on critical skills like leadership, problem-solving, and financial management.
- **High Engagement:** Active participation from 100 students, motivating them to explore entrepreneurship as a career path.

## Smart India Hackathon 2024

**Date:** September 18, 2024

**Venue:** AIC Seminar Hall, Jyothy Institute of Technology, Karnataka

### Event Summary:

Our institution hosted the **Smart India Hackathon (SIH)**, a flagship national initiative by the Government of India. This premier event provided a platform for students to develop innovative, technology-driven solutions for real-world challenges posed by various government and industry partners.

### Key Highlights:

- **Real-World Problem Solving:** Addressed actual challenges from government and industry.
- **National Platform:** Participated in the world's largest hackathon.
- **Innovation & Impact:** Fostered creativity and developed impactful digital solutions.
- **Skill Development:** Enhanced technical, problem-solving, and teamwork abilities.
- **Future Opportunities:** Provided networking, mentorship, and career pathways for students.
- **Opportunities:** Provided networking, mentorship, and career pathways for students.



## Technical Talk: MongoDB with Vector Search & RAG

**Date:** September 28, 2024

**Venue:** Jyothy Institute of Technology,  
Karnataka

**Organizer:** AIML Department

**Participants:** 100 Students

**Guest Speaker:**

**Mr. Santhosh S Kashyap**

Senior Application Delivery Consultant,  
MongoDB

**Session Focus:**

An in-depth technical talk on advanced MongoDB features, focusing on **Vector Search** and **Retrieval-Augmented Generation (RAG)** for AI-driven solutions.

**Key Highlights:**

- Explored the role of **Vector Search** in managing large datasets.
- Understood the impact of **RAG** on modern data retrieval.
- Gained **practical insights** into building AI applications.
- Engaged in an interactive **Q&A session**.



## Workshop: Algorithmic Thinking & Problem Solving

**Date:** October 1, 2024

**Venue:** ECE Seminar Hall, JIT

**Format:** Interactive Hands-on Workshop

The session was designed to equip participants with a structured approach to problem-solving by:

- Developing core **Algorithmic Thinking** skills.
- Teaching effective **Problem Modelling** for diverse domains.
- Introducing key **Algorithm Design Techniques**
- **Algorithm Design Techniques:** Divide & Conquer, Dynamic Programming, Greedy Algorithms, and Backtracking.
- **Problem Modelling:** Translating real-world challenges into solvable models.
- **Practical Application:** Hands-on solving of problems from engineering, healthcare, computing, and social sciences.



## Workshop: Power BI Desktop / Microsoft Power Platform

**Date:** November 11, 2024

**Venue:** Jyothy Institute of Technology

### Event Summary:

An interactive session providing a comprehensive introduction to Power BI, focusing on its vital role in data visualization and business decision-making. The workshop combined foundational knowledge with practical, hands-on experience.

### Key Highlights:

- **Industry Insights:** Explored the core concepts and widespread industry applications of Power BI.
- **Hands-On Training:** Participants gained practical experience in building dashboards and reports.
- **Real-World Context:** Learned through case studies demonstrating Power BI's impact in real business scenarios. **Interactive**
- **Learning:** Engaged in an active Q&A and problem-solving sessions.

## Celebration: International Programmers' Day

**Date:** November 30, 2024

**Venue:** Jyothy Institute of Technology, Karnataka

**Organizer:** Computer Society of India (CSI)

### Event Overview:

A vibrant celebration featuring a large-scale **Project Exhibition** where around 100 teams from 3rd, 5th and 7th semesters showcased their innovative projects. The event successfully fostered a spirit of innovation and inclusion across all student levels.

### Key Highlights:

- **Large-Scale Exhibition:** 100+ teams displayed diverse and innovative projects.
- **Cross-Batch Engagement:** First-semester students actively engaged by visiting stalls and participating in a dedicated blog writing competition.
- **Expert Evaluation:** Projects were judged by a distinguished jury, including **Mr. Keshava Rao**, ensuring credible and valuable feedback.

## Guest Lecture: Research Methodology & IPR

**Date:** December 10, 2024

**Venue:** Main Auditorium, JIT

### Objective:

To equip participants with essential knowledge for effective research design and a clear understanding of Intellectual Property Rights (IPR) to foster and protect innovation.

### Key Topics Covered:

- **Research Methodology:** Significance, types and selection of appropriate research designs.
- **Intellectual Property Rights (IPR):** Comprehensive overview of Patents, Copyrights, Trademarks and Trade Secrets.
- **Protection Strategies:** Practical insights into securing research innovations and creative work.



## DDCO Project Exhibition

**Date:** December 24, 2024

**Venue:** JIT Classrooms

### Event Overview:

An interactive exhibition where students showcased their innovative projects, organized in class-based teams to foster peer collaboration and reviews. The event was marked by high energy and enthusiasm as students demonstrated their technical and practical skills.



### Key Highlights:

- **Collaborative Format:** Class-based team organization enhanced peer interaction and learning.
- **Diverse Innovations:** Featured practical projects in automation, IoT and embedded systems.
- **Student Engagement:** High levels of enthusiasm and effective explanations of technical and real-world applications.

### Notable Projects Showcased:

- Smart Door Lock System
- Voice & Gesture-Controlled Devices
- Line-Following Car
- Smart Agriculture Solution
- Keypad Locking System



## Pariksha Pe Charcha 2025

**Date:** February 10, 2025

**Venue:** Jyothy Institute of Technology, Karnataka

### Event Overview:

Jyothy Institute of Technology had the privilege of hosting a nationwide interaction where **2,500 students** (including 36 from each state & UT) engaged directly with the Honourable Prime Minister. The event was broadcast live to over **40,000 schools**, reaching **61.49 lakh students**.

### Distinguished Participants:

- The Prime Minister of India
- Deepika Padukone (Actress)
- Mary Kom (Olympian)
- Sadh guru (Spiritual Leader)

### Key Discussion Themes:

- **Handling Pressure & Stress Management**
- **Effective Time Management**
- **Goal Setting** for Success
- Building **Self-Motivation** & Mental Well-being

## National Youth Day Celebration

**Date:** February 12, 2025

**Venue:** Jyothy Institute of Technology, Karnataka

**Occasion:** Birth Anniversary of Swami Vivekananda

### Event Overview:

A commemorative event to honor Swami Vivekananda's legacy and inspire students with his timeless teachings. The celebration focused on the role of youth in nation-building and featured traditional ceremonies, insightful presentations, and active student participation.



### Key Highlights:

**Inaugural Ceremony:** Traditional lamp lighting and floral tribute to Swami Vivekananda.

**Inspirational Talks:** Guest speakers emphasized youth's role in nation-building, education, and character development.

**Ideological Insights:** A dedicated presentation on Vivekananda's teachings and their modern relevance.



## Training Program: EBSCO & IEEE Resources

**Date:** March 4, 2025 | **Time:** 9:30 AM

**Venue:** JIT Auditorium

**Participants:** 52 Students, 6th Sem 'A' (Computer Science)

**Organized By:**

Department of Library & Information Centre in collaboration with VTU Consortium.

**Resource Person:**

**Ms. Srinidhi Kulkarni**

Advisor, IEEE Computer Society Student Chapter

**Training Focus:**

A hands-on session to equip students with advanced skills for accessing and utilizing key digital research platforms:

**EBSCO Engineering Suite**

**IEEE Xplore Digital Library**

**AMA MicroCourses**

**Key Outcomes:**

Mastered advanced search and filtering techniques.

Enhanced ability to access high-quality technical literature.

Strengthened academic research and professional



## Understanding Outcome-Based Education (OBE): A Pathway to Student's Success

**Date:** March 17, 2025

**Venue:** JIT Auditorium / CSE Seminar Hall

**Attendees:** Computer Science & Engineering Students

**Resource Persons:** Dr. Sowmya B J & Dr. Meera Devi

**Session Focus**

An insightful session designed to introduce students to the framework of Outcome-Based Education (OBE), emphasizing its role in enhancing learning outcomes and academic success.

**Key Discussion Points**

Core principles and structure of OBE.

Benefits of an outcome-focused approach to learning.

Challenges in implementation and strategies to address them.

How OBE prepares students for academic and professional excellence.



## Technical Talk: Demystifying Generative AI

**Date & Time:** April 8, 2025 | 11:30 AM - 1:00 PM

**Venue:** JIT Main Auditorium

**Organized by:** Department of Computer Science & Engineering

**Target Audience:** Final & Pre-Final Year Students (CSE, ISE, AIML)

### Guest Speaker:

**Mr. Gourav Sharma**-Technical Account Manager, Amazon Web Services (AWS)

### Session Overview

An insightful technical talk and mentorship session designed to demystify Generative AI, providing students with a clear understanding of the technology and a roadmap for building a career in AI and cloud computing.

### Key Discussion Areas

- **Foundations of GenAI:** Explored how machines generate human-like text, images, and more.
- **AWS AI/ML Stack:** Introduction to key services like **Amazon SageMaker, Bedrock,** and **Rekognition.**
- **Real-World Applications:** Use cases in healthcare, content creation, e-commerce, and automation.
- **Career Roadmap:** Guidance on certifications, practical skills, and learning platforms to launch a career in GenAI and cloud technologies.



## Establishment of BIS Standards Club at Jyothy Institute of Technology

The **Bureau of Indian Standards (BIS)**, the National Standards Body of India, has partnered with Jyothy Institute of Technology to inaugurate a **Standards Club** on July 13, 2024.

The primary aim of the club is to create awareness among engineering students about product standards and quality certification. Comprising 50 student members, the club has been actively engaged in BIS-related activities such as standard writing and quiz competitions, as well as product exhibitions. This initiative aligns with BIS's broader mission to promote standardization, ensure product safety, and benefit the national economy.



## SCHOLARSHIP – LEELA POONAWALLA

A total of 17 Girl students were selected for the Leela Poonawalla Foundation Scholarship for the 2024-2025 academic year, with sanctioned amounts ranging from ₹30,000 to ₹70,000.

Leela Poonawalla Foundation			
Bachelor of Engineering 2024 - 2025			
Sr. No	Name	Course	Sanctioned Scholarship Amount (4 years)
1	Ananya A Anjaneya R	Computer Science	70,000
2	Ganavi Yogesh N	Computer Science	70,000
3	Harshitha Chalugaraju M	Computer Science	70,000
4	Jaishree Shankarappa V	Computer Science	70,000
5	Madhu Shankar Shree	Computer Science	50,000
6	Madhushree Gopala	Computer Science & Design	30,000
7	Parinitha N Madhusudhan	Computer Science	70,000
8	Payal Darap Kamalesh Singh	Computer Science	50,000
9	Pragathi Veerabhardraswamy R	Computer Science	70,000
10	Salma Sallauddin K	Computer Science & Design	70,000
11	Sanjitha Yoganarasimha	Computer Science	35,000
12	Shivani Rudresh	Computer Science	60,000
13	Sinchana Narasimha Bhat	Computer Science	50,000
14	Suchithra Manohar Naidu	Computer Science	50,000
15	Surabhi Suresh Kumar K C	Computer Science	30,000
16	Tejashwini Ganesh Y	Computer Science	50,000
17	Yashodha Sureshgoudra Patil	Computer Science	50,000

Batch	Year	No. Of Students	Amount	Regular+Diploma
2020-21	4 <sup>th</sup> year	7	4,56,372	All Regular
2021-22	3 <sup>rd</sup> year	4	2,60,784	All Regular
2022-23	2 <sup>nd</sup> year	1	78,264	Regular
2022-23	2 <sup>nd</sup> year	3	3,01,536	Diploma
2023-24	1 <sup>st</sup> year	6	6,33,258	Regular
2023-24	1 <sup>st</sup> year	1	1,05,543	Left the institute after year 1

## SCHOLARSHIP – SMILE FOUNDATION

Nine students were selected for the **Deutsche Bank Engineering Scholarship, implemented by Smile Foundation**, an initiative aimed at promoting girls in technical education. They will receive up to ₹1 lakh in annual tuition support, a laptop, and other professional development opportunities.

<b>Vaishnavi T – CSE</b>	<b>Rs.100000</b>
<b>Suprita morabagi – CSE</b>	<b>Rs. 100000</b>
<b>Ranjitha- CSE</b>	<b>Rs.100000</b>
<b>Shireesh N – AIML</b>	<b>Rs.100000</b>
<b>Shivani M.R – ECE</b>	<b>Rs.100000</b>
<b>Jyothi Kumari – ISE</b>	<b>Rs.100000</b>
<b>Pragathi RV – CS</b>	<b>Rs.100000</b>
<b>Tejashwini Y G- ISE</b>	<b>Rs.100000</b>
<b>Bhavani J Bedre – ISE</b>	<b>Rs.100000</b>

Category	No. of Students	Total Amount (Rs.)
I	20	3,32,000
IIA	70	8,04,000
IIB	12	3,00,000
IIIA	77	8,49,600
IIIB	41	5,03,200
OBC	23	3,53,550
SC	101	73,37,468
ST	22	36,29,115
M.Tech - SC	2	1,37,560

## **BNV MEMORIAL MERIT SCHOLARSHIPS FOR JIT STUDENTS**

### **Celebrating Excellence:**

JIT Honors Top Achievers with the Dr. B.N.V. Subrahmanya Memorial Scholarship. A total of ₹7.5 Lakhs awarded to 100 plus students scoring 85% and above across all semesters.

In a proud celebration of academic distinction, Jyothy Institute of Technology recently announced the recipients of the prestigious Late Dr. B.N.V. Subrahmanya Memorial Merit Scholarship 2024-25. This annual scholarship serves as a testament to the institute's commitment to rewarding hard work and intellectual curiosity, echoing the values of its esteemed namesake.

The criteria for this honour are stringent, recognizing only those students who have achieved a remarkable 85% or higher in their annual academics. The scholarship is inclusive, embracing high performers from the enthusiastic first-years to the seasoned scholars in higher semesters.

This year, the collective brilliance of these students was met with a significant investment in their future, as the institute disbursed a substantial sum of **₹7, 50,000** to the deserving awardees. This initiative not only provides financial support but also serves as a powerful motivator for the entire student body to aim for the stars.

JIT congratulates every recipient on this splendid achievement. Your dedication lights the way for others. We wish you the very best as you continue to excel and make us proud!

## Events & Celebrations

A Successful Showcase at the Vijayavani Education Expo: Our institute recently participated in the Vijayavani Education Expo, held on May 17 and 18, 2025, at Donkala Grounds, Banashankari. The event proved to be an excellent platform to connect with prospective students and parents.



Jyothy Institute of Technology (JIT) participated in the 8th edition of VIDHYAPEETA – Karnataka’s Biggest Education Expo, held on 26th and 27th April 2025 at Palace Grounds, Bengaluru. With stalls SP 8, 9 & 10, JIT showcased its academic programs, research initiatives, and student opportunities, while guiding aspiring students and parents through counselling, scholarships, and on-spot admissions.

Prof. B. Mahadevan leads special personality development session: The college was honored to host a special personality development program for faculty members on Thursday, August 20, 2025, featuring our distinguished JIT Trustee, Professor B. Mahadevan. The session, organized through Dakshina Murthy, focused on developmental approaches for today's youth.

# ವಿಜಯವಾಣಿ

ನಂ 1 ಕನ್ನಡ ದಿನಪತ್ರಿಕೆ

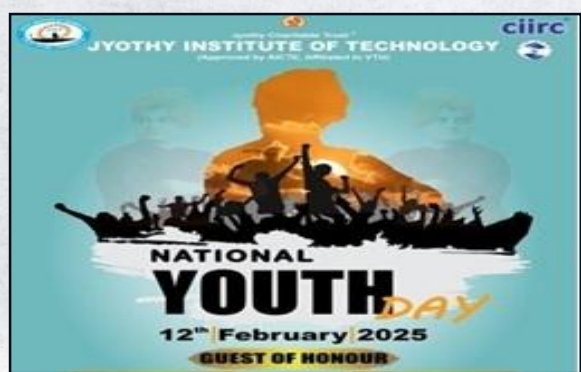
## ಜಿಜಿಟಿಯಲ್ಲಿ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ವಿದಾಯೋತ್ಸವ

ಜಿಜಿಟಿ ಕ್ಯಾಂಪಸ್‌ನಲ್ಲಿ ನಡೆದ ವಿದಾಯೋತ್ಸವದಲ್ಲಿ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಶಾಂತಿಕೆ ವಿವಿ ಸಿಬಿ ಸಿಬಿ ನಿರ್ದೇಶಕ ಶ್ರೀಧೇವಿ ರೆಡ್ಡಿ, ಪ್ರಾಂಶುಪಾಲ ಡಾ. ಗೋಪಾಲಕೃಷ್ಣ ಇತರರಿದ್ದರು. ಬೆಂಗಳೂರು: ಜಿಜಿಟಿ ಕ್ಯಾಂಪಸ್‌ನಲ್ಲಿ 2021ನೇ ಸಾಲಿನ ವಿದ್ಯಾರ್ಥಿಗಳ ವಿದಾಯೋತ್ಸವ ನಡೆಯಿತು. ಅತ್ಯುತ್ತಮ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಬೆನ್ನದ ಉಂಗುರ ಮತ್ತು ಶ್ಲೋಕಪತ್ರಗಳಿಗೆ ಶ್ರೇಷ್ಠ ಸಾಧನೆ ಮಾಡಿದ 14 ಮಂದಿ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಬೆಳ್ಳಿಯ ಉಂಗುರಗಳನ್ನು ಪ್ರದಾನ ಮಾಡಲಾಯಿತು. ಮುಖ್ಯ ಅತಿಥಿಗಳಾಗಿದ್ದ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಶಾಂತಿಕೆ ವಿವಿ ಸಿಬಿ ಸಿಬಿ ನಿರ್ದೇಶಕ ಶ್ರೀಧೇವಿ ರೆಡ್ಡಿ ಮಾತನಾಡಿ, ಜಿಜಿಟಿ ಕ್ಯಾಂಪಸ್‌ನಲ್ಲಿ ವಿದ್ಯಾರ್ಥಿಗಳು ತಮ್ಮ ಶಿಕ್ಷಣ ಮತ್ತು ಸಾಧನೆ

**ಸಾಂಸ್ಕೃತಿಕ ಪ್ರದರ್ಶನ**  
ವಿದ್ಯಾರ್ಥಿಗಳ ಪ್ರತಿಭಾಪರಿಷದ್ ನೃತ್ಯ, ಸಂಗೀತ ಮತ್ತು ನಾಟಕ ಮನರಂಜಿಸಿತು. ವಿದ್ಯಾರ್ಥಿ-ಶಿಕ್ಷಕ ಸಹಭಾಗಿತ್ವದಲ್ಲಿ ನಡೆದ ಈ ಕಾರ್ಯಕ್ರಮ ಸಂಭ್ರಮ, ಸಂವೇದನಾಶೀಲ ಕ್ರೋಧಗಳಿಂದಾಗಿ ಮುಕ್ತಾಯವಾಯಿತು.

ಗೆ' ಮೂಲಕ ದೇಶದ ಭವಿಷ್ಯ ರೂಪಿಸುತ್ತಿದ್ದಾರೆ ಎಂದು. ಜಿಜಿಟಿ ಪ್ರಾಂಶುಪಾಲ ಡಾ. ಕೆ. ಗೋಪಾಲಕೃಷ್ಣ ಮಾತನಾಡಿ, 2021ನೇ ಬ್ಯಾಚ್ ನಮ್ಮ ಸಂಸ್ಥೆಯ ಹೆಗ್ಗಳಿಕೆ. ಸಿಬಿ ಸಾಧನೆಗಳು ಜಿಜಿಟಿ ಹೆಸರನ್ನು ಹೆಚ್ಚಿಸಿ ಎಂದು ಅಭಿನಂದಿಸಿದರು. ವಿದ್ಯಾರ್ಥಿಗಳು ತಮ್ಮ ವಿದ್ಯಾಭ್ಯಾಸದಲ್ಲಿ ತೋರಿಸಿದ ಸಾಧನೆ, ಪರಿಶ್ರಮ ಮತ್ತು ಸಾಮರ್ಥ್ಯವು ಮುಂದಿನ ಜೀವಿಗಳ ದಾರಿವಿಚಾರಣೆಗೆ ಮಾರ್ಗದರ್ಶಿಯಾಗಿ ನಿಲ್ಲುವಂತೆ ಎಂದು ಗೌರವ ಹೆಚ್ಚಿಸಿದ ವಿದ್ಯಾರ್ಥಿಗಳು ಜೀವನದಲ್ಲಿ ದೊಡ್ಡದಾಗಿ ಸಾಧಿಸಲು ಎಂದು ಟ್ರಸ್ಟಿ ನರಸಿಂಹನ್ ಅಭೀಂದಿಸಿದರು.

JIT to Celebrate International Youth Day with Special Event: JIT is delighted to announce that we will be hosting a special celebration in honor of International Youth Day on Wednesday, February 12, 2025.





Principal, JIT was invited for an interactive session with AICTE Chairman Dr. T.G. Sitharam during the Techgium Competition emphasized innovation, research, and academia–industry collaboration for nurturing future engineers

A Successful Farewell Function: The farewell function for our departing colleagues was successfully held on Sunday, June 8, 2025.



JIT NCC Cadets Represent at Home Guard and Civil Defence Academy: A team of five NCC cadets from 1 KAR BN NCC, JIT, represented the institute at the Home Guard and Civil Defence Academy.

JIT Celebrated Yoga Day with Green Initiative and Wellness Activities: In observance of International Yoga Day, the staff and students of JIT joined hands with the Government Ayurvedic Research Institute for a dual celebration on Saturday, June 21. The event harmonized wellness and environmental consciousness through a tree planting drive at Uttari and a yoga performance on campus.



## ICoCT 2025: A Resounding Success in Fostering Global Computing Dialogue

The International Conference on Computing Technologies (ICoCT 2025), a prestigious event jointly organized by the Jyothy Institute of Technology and the IEEE Bangalore Section, was successfully held on June 13th and 14th, 2025, at our campus. The conference served as a dynamic global platform for academicians, researchers, industry leaders, and students to converge and explore the cutting edge of computing innovation.

The inaugural ceremony on June 13th began on a traditional note with a Saraswati Vandana, followed by the ceremonial lamp lighting. Dr. Madhu B R, Head of AIML, extended a warm welcome to all delegates. The conference proceedings were officially released, **marking** a significant contribution to the field.

The event was graced by distinguished guests. The Chief Guest, Dr. Anil Kumar Ramsesh (Fellow, TE Connectivity), emphasized emerging computing trends and interdisciplinary collaboration. The Guest of Honor, Dr. Narumol Chumuang (Department of Digital Media Technology, Thailand), provided valuable insights into the global evolution of digital media technologies. Our Principal, Dr. Gopalakrishna K, underscored the critical role of research and innovation in education.



The conference featured two insightful keynote addresses:

Day 1: Mr. Suman De (SAP Labs & IIT Kharagpur) spoke on "User-Centric Innovation in Enterprise Systems."

Day 2: Mr. Mahendra Chinnaiah (CVS Health, USA) delved into "Digital Transformation in Healthcare: Global Trends and AI Integration."

Overwhelming Global Response and Rigorous Selection ICoCT 2025 demonstrated its international stature by receiving a staggering 2,339 paper submissions from over 20 Indian states and 16 countries. After a rigorous, multi-tiered review process by a panel of 495 experts, 265 high-quality papers were accepted for presentation, representing a diverse mix of local, national, and international research.

### **A Vibrant Academic Exchange**

The two-day event was packed with intellectual discourse, featuring **33 online tracks** and **2 offline technical sessions** where the accepted papers were presented. The conference saw active participation from **118 IEEE members** and **126 non-IEEE members**, fostering rich academic dialogue and creating numerous opportunities for future collaborative research.

ICoCT 2025 successfully bridged the gap between academia and industry, inspiring innovation and setting a new benchmark for future conferences. The organizing committee extends its deepest gratitude to all dignitaries, speakers, reviewers, volunteers, and participants for their invaluable contributions to this grand success.



## Celebrating Excellence: Patents

Our institution's culture of innovation is reflected in the numerous patents filed and projects sanctioned this year.

A Snapshot of Our Patents (2024-25)

SL No	Application No.	Key Applicants	Title	Publication Date	Status
1	202441062385	Dr. Annie Sujith et al.	AI Powered Malware Protection for IOT devices	8/23/2024	Published
2	202441086621	Ameliorate Biotech Private Limited	Multiplex Rapid Diagnostic Kit for Simultaneous Detection of Vector-Borne Diseases	12-06-2024	Under Examination
3	202541028352	Mr. Srinidhi Kulkarni V et al.	Enhanced Molecular Similarity Protein-Ligand Aligner (EMSPLA) for Improved Deep Learning-Based Binding	04-11-2025	Published
4	202541032486	Dr. Annie Sujith et al.	AI-Driven Medication Management System with Doctor-Patient Synchronization	4/18/2025	Published
5	202541056423	Dr. Swathi K et al.	MEDCONNECT - An automatic drug dispensing system	6/27/2025	Published
6	202541061835	Mrs. Namratha BS et al.	Automated Waste Segregation and Optimization System using Intelligent Image Classification and Multi-Sensor Fusion	07-11-2025	Published

## PUBLICATIONS

July 2021 to April-2025

Sl. No	Quality	Total
1	Q1	105
2	Q2	79
3	Q3	38
4	Q4	60
	<b>Total</b>	<b>282</b>

Q1, Q2, Q3, and Q4 are quartiles used to rank scientific journals based on their impact factor or CiteScore, which reflects the number of times articles from a journal are cited in other scientific publications.

These quartiles are used by databases like Scopus ( 25 % a piece )and Web of Science. Q1 represents the highest-ranked journals, while Q4 represents the lowest. The highest-ranked journals, while Q4 represents the lowest.

## Students Projects Sanctioned by KSCST 2024

From developing sustainable geopolymer concrete using AI to creating a low-cost flight controller and a laser engraving machine, our students across Civil, Computer Science, Electronics, Mechanical, and Food Technology departments have received grants for their brilliant ideas, showcasing the diverse and impactful research happening at JIT.

### 1. Civil Engineering (2 Projects, ₹9,000)

- Geopolymer Concrete with Nano-Silica - Prajwal N, Akshatha R, Nithin Kumar R J, Yuvashree M (₹4,500)
- Predicting Concrete Properties with AI - Mangala Balaji N, Kavya M, Shruti H S, Yuvaraj Balachandra Yalagude (₹4,500)

### 2. Computer Science (1 Project, ₹3,000)

- Lake Health Monitoring via Remote Sensing - Sudhanva HP, Shrihari VP, T A Nayana, Varshini L (₹3,000)

### 3. Structural Engineering (1 Project, ₹5,000)

- Sustainable Bamboo-Coir-Rubber Panels - Naveen Dyava Naik (₹5,000)

Note: This project is listed twice in the original data.

### 4. Electronics & Communication (3 Projects, ₹13,500)

- Text Recovery Device - Varun H R, Tarun Gowda D, Sumesh M Sapate, Manjunatha (₹4,500)
- Low-Cost Flight Controller - Y Mallikarjuna Madhav, Vinutha B T, Yogitha U K, Rakshitha S (₹4,500)
- Pharmaceutical Process Automation - Sriganesh S, Shankarshana V, Srikanth S, Vijay Krishna MP (₹4,500)

### 5. Mechanical Engineering (2 Projects, ₹12,500)

- Laser Engraving Machine - Pradyumna A Kashyap, Pavan S, Naveen V S, Shashil Kumara (₹6,000)
- AI-Based Water Cleaner - Gnanesh R, Manoj N, Samrudh Mandi, Shashank S (₹6,500)

### 6. Food Technology (1 Project, ₹5,000)

- Eco-Friendly Packaging from Areca Waste - Bhoomika V Bhat (₹5,000)

## Mechanical Student Clinches Gold in Marathon

Karthikeyan B (1JT23ME406) from the Mechanical Engineering branch secured First Place and won the Gold Medal in the 5K Marathon event organized by JICM on August 30, 2025. The college congratulates him on this outstanding athletic achievement.



## Kannada Rajyotsava Celebration

Jyothy Institute of Technology celebrated **Kannada Rajyotsava** with great pride and cultural fervor on **November 2024**. The event brought together students, faculty, and dignitaries to honor Karnataka's rich heritage and linguistic pride. The celebrations included cultural performances, patriotic songs, and speeches highlighting the significance of Kannada language and culture. Distinguished guests graced the occasion, encouraging students to uphold the values of unity, tradition, and respect for the state's legacy.



Jyothy Institute of Technology hosted its **Alumni Meet** on campus, bringing together former students to reconnect with their alma mater and peers. The event provided a vibrant platform for alumni to share their experiences, network with fellow graduates, and interact with faculty and current students.



Jyothy Institute of Technology organized a **Faculty Development Workshop** conducted by **Dr. S R Subramanya**, aimed at enhancing the teaching and research capabilities of faculty members. The workshop provided an excellent platform for educators to gain new perspectives, adopt innovative pedagogical approaches, and engage in meaningful academic discussions.



## Celebrating Academic Excellence: JIT Congratulates VTU Rank Holders!

Jyothy Institute of Technology is immensely proud to announce and congratulate our outstanding students who have secured top ranks in the Visvesvaraya Technological University (VTU) examinations.

A special round of applause for:

- Ms. Srujana K (1JT21CS107) for securing an incredible **6th Rank** in Computer Science & Engineering.
- Mr. Balaji T (1JT22CV403) for achieving an excellent **7th Rank** in Civil Engineering.

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INSTITUTE OF TECHNOLOGY

ciirc®

**Congratulations**

**VTU Rank Holders**

**SRUJANA K**  
1JT21CS107

**BALAJI T**  
1JT22CV403

**Computer Science & Engineering**  
**6<sup>th</sup> Rank**

**Civil Engineering**  
**7<sup>th</sup> Rank**

**Batch of 2025**

## **MATLAB & SIMULINK** for startups

The MathWorks Accelerator Recognition Awards has Conferred

**AIC-Jyothy Institute of Technology Foundation**

**REGIONAL EXCELLENCE PARTNER**

Award 2024



**MATLAB and Simulink  
for Startups**

16,343 followers

2h · 🌐

[+ Follow](#)

🌟 Celebrating Our Accelerator Partners 🌟

The MathWorks Accelerator Recognition Awards honor our outstanding partners for their impact on startups and the strength of their engagement.

We are pleased to present the following awards for 2024 to our partners in India:

🏆 **Wadhvani Foundation** – Global Excellence Partner

🌐 **Kerala Startup Mission, NSRCEL, ARTPARK, and AIC-Jyothy Institute Technology Foundation (AIC-JITF)** – Regional Excellence Partners

It was a privilege to personally hand over the plaques during our in-person meetings. These recognitions reflect the remarkable role our partners play in empowering startups, driving adoption, and nurturing innovation.

We look forward to continuing to build on this momentum and creating even greater outcomes for startups worldwide. Congratulations to our partners!

**Anoop Ambika | Tom Thomas | Vishaal B Kadam | Nasif NM | Akhosh Shivan | Vishal Chaddha | Hitesh M. Kumar | Ankit Machhar | Rishabh Singh | Dr. Prashant Iyer | IIM Bangalore Executive Education | Nihal Choudyal | Shreya Singhal | Anand Sri Ganesh | Smriti Rai | Shloka Sachdev | Indian Institute of**

## NCC-Student Selected for Prestigious National Mountaineering Expedition Trials

Big congratulations to Suraj S Anagolkar (USN: 1JT23EC109) on a outstanding achievement! He has been officially shortlisted to attend the national selection trials for a Mountaineering Expedition in Delhi. Selected as one of only ten cadets from the Karnataka and Goa Directorate, he will now represent Jyothy Institute of Technology on this prestigious national platform. We wish him the very best in the trials! Jyothy Institute of Technology is honored to host Shri Tejasvi Surya, MP, and Shri L.A. Ravi Subramanya, MLA, for the Run for Education Marathon. Join us on October 5th at 7:30 AM to support the cause of education.



## Run for Education Marathon



## CONDOLENCES

We deeply mourn the untimely demise of Dr. Maruthesh Reddy, a valued member of the Department of Civil Engineering, who passed away on 14th October 2025. His dedication, kindness, and contributions to the institution will always be remembered. May his soul rest in peace.



With profound sadness we mourn the tragic passing of Chinmayi, a vibrant first-year (2024) student at our college.

The JIT community extends its deepest condolences to her family, friends, and everyone who knew her. Her loss is a great sorrow for all of us, and she will be remembered by the faculty and her peers. In this time of grief, we stand together to support her loved ones.

## **BEST PRACTICES**

### **Student:**

- Outbound Human Network Activities
- Merit Based Fee Concessions
- Japanese Classes
- Parent Support for Students
- Support to Overseas Competitions
- Explore
- Mentor Together
- Student Incubations

### **Staff:**

- Annual Engineers Day Gift to Staff
- One day Trip for the Faculty
- QIP, Career Advance Scheme for Technical Staff Incubations

### **Green Initiatives:**

- Solar PV Plant, STP, Biodiesel, Digitization

### **Outreach:**

- Jyothy Ratna Puraskar in the memory of Dr. BNV Sir Twice (Birthday and Memory day) in a year to two persons of eminence the society.
- Community development activities for school children of Tataguni, a village adopted by JCT for development.
- Instituted BNV Subramanya gold medals (4 Nos.) to the rank holders of VTU.

# INITIATIVES BY JIT FOR ITS STUDENTS OVER FOUR YEARS TO BECOME PROFESSIONALS

## *ENVISION - ENLIGHTEN – EMPOWER*

### Year 1: Building a Strong Foundation

- Foreign Language Coaching - Offline: JIT offers offline foreign language classes in Japanese, German, and Korean, totalling approximately 100 class hours.
- Explore Classes: All first-year students will visit the CIIRC R&D labs to learn about niche research areas and funding opportunities.
- Experiential Learning - Offline: Students receive hands-on training in specialized research fields to cultivate a research-oriented culture.
- Bridge Course in Python Programming: A bridge course is offered for students who studied Biology in their 12th standard to help them build confidence in programming.
- Induction Programme: This program exposes students to physical activity, creative arts, mentoring, and universal human values.
- Educational Trips: Students visit wild adventure resorts, historical sites, natural attractions, and cultural landmarks.
- Qualified Counsellor: A qualified counsellor is available to help students with mental health and other personal issues.
- Fund for Sports Training/Travel: JIT sponsors students' travel, stay, and registration fees for sports competitions. Scholarships of up to Rs. 10,000 are awarded for top placements.
- Scholarships for Academic, Sports & Cultural Winners: Students scoring 90% annually receive a scholarship of Rs. 10,000, while those with 85% get Rs. 5,000.
- Elevate, Boot Camp, CoE-AIML, Summer/Winter Programme: The Elevate program provides proficiency courses for elite students to build competency in a specific domain.
- JAM Sessions: Every student practices extemporaneous speaking to overcome stage fear and build confidence.
- Student Startup - Funds, Legal, Technical, Mentorship: JIT provides funding and support for student groups who wish to start their own companies.
- Centres of Excellence (CoE): JIT has several CoEs, including e-Yantra Automation Lab, Cyber Security CoE, and Robotics, along with research labs at CIIRC.

## Year 2: Specializing Your Skills

- **Skill Training in Emerging Engineering Domains:** Students are trained for over 100 hours per semester in industry-relevant domains. The institution sponsors professional certifications for top performers.
- **Opportunity to conduct Research at CIIRC:** Meritorious students can work in the R&D labs to learn research skills, publish articles, and secure valuable internships.
- **Entrepreneurship Training Programmes:** JIT's ATAL Incubator (AIC), which houses over 82 startups, offers opportunities for student internships and entrepreneurship training.
- **Elevate Programme:** This program continues to offer proficiency courses to develop high-level competency in specific domains.
- **Certification for the Toppers:** The institution sponsors professional certifications from companies like IBM and Microsoft for top-performing students.
- **Assessment of Performance in Skill Training:** Students' performance is regularly assessed to help group them for future training and placement.
- **Soft Skill Training:** Training is offered in spoken English, verbal communication, and other soft skills. Students are also trained to use professional platforms like GitHub and LinkedIn.
- **Professional Club/Bodies Memberships:** Students can join professional organizations like CSI and IEEE to learn industry-relevant technologies and develop leadership qualities.
- **SAE Aero USA Training/Competition:** Members of the Aero club participate in the annual SAE Aero competition in the USA. The institution funds the development of the drone/device.
- **Hackathon, Gameathon, Enigma, Robothon:** JIT hosts annual 24-hour technical competitions.
- **Industrial Visits:** Students visit reputable industries to gain insight into professional operations.
- **Project "Prakalp":** Third-semester students form groups to develop a product. The top 10% of these groups receive funding of Rs. 25,000 to Rs. 1 lakh.

### Year 3: Refining Professional Skills

- **Placement Training:** Students in the sixth semester receive extensive training in industrial domains, soft skills, and aptitude to prepare for recruitment.
- **Company JD-Specific Training:** Experts from reputed companies are invited to provide training tailored to specific job descriptions (JD).
- **Partial/Full Support for Internships/Training Overseas:** JIT may offer financial support for students chosen for overseas internships.
- **Internship Support:** The institution provides support for students undertaking internships at its R&D centre and with other companies, helping to secure paid opportunities.
- **Placement Support:** The Placement and Training Department helps arrange recruitment drives for students.
- **Overseas Education Help Desk:** This help desk provides information about overseas universities, helping students plan their studies abroad.

### Year 4: Launching Your Career

- **Best Outgoing Student Award:** Final-year students can apply for this prestigious award, which includes a Gold or Silver Ring.
- **Techno-Cultural Festival:** JIT hosts "Pranathi 202x," a mega cultural festival featuring performances by both students and celebrities.
- **Continued Support:** The programs from Year 3, including internship support, placement support, and startup support, continue in the final year to ensure a smooth transition into the professional world.





Robothon 2025



Gameathon 2025



MoU with ISAC 2025



eMpulse Recruitment



Conclave with CEOs of companies



Won in Kerala Hackathon Competition

# STUDENT LEVEL – INTERNATIONAL & NATIONAL EVENTS



Skid Mark Burners

SAE AERO 2023

Lakeland City FL, USA: 9<sup>th</sup> Place



Wrench Warriors

Won 5<sup>th</sup> Place in California



SAE AERO 2023



Won first place in Robust Vehicle Category



SAE AERO 2024- Advanced Won  
12<sup>th</sup> Place in SAE AERO '24, USA

**JYOTHY**  
INSTITUTE OF TECHNOLOGY

**GARUTHMAAN**

The Selection Test Will Be Held on **23<sup>rd</sup> October**

**JIT AERO CLUB**  
Membership Drive 2020

Team Garuthmaan who stood 5<sup>th</sup> in the SAE International Aero Design series held in the USA.

**AERODYNAMICS** **AERO MODELING**  
**MARKETING** **R & D**

Scan To Register

Looking for new members who are passionate about aero design and modeling. The registration has already begun.

5<sup>th</sup> Overall, 4<sup>th</sup> Place in Presentation,  
7<sup>th</sup> Place in Design Report

# RESEARCH LABS



**Sophisticated Instrumentation Facility**



**Tribology & Thermal Engg**



**Biocomposites & Biopolymers**



**Autonomous Systems**



**Water & Energy**



**Food Technology**



**Environment and Surfaces & Interfaces**



**NanoScience & Engg**



**AMD & Sensors**



**Computational Engg**



**Ancient Indian Sciences**



**Nanobiotechnology**



**Remote Sensing**



**IEDC**



**Cell & Molecular Biology**



**Plant & Microbial Technology**

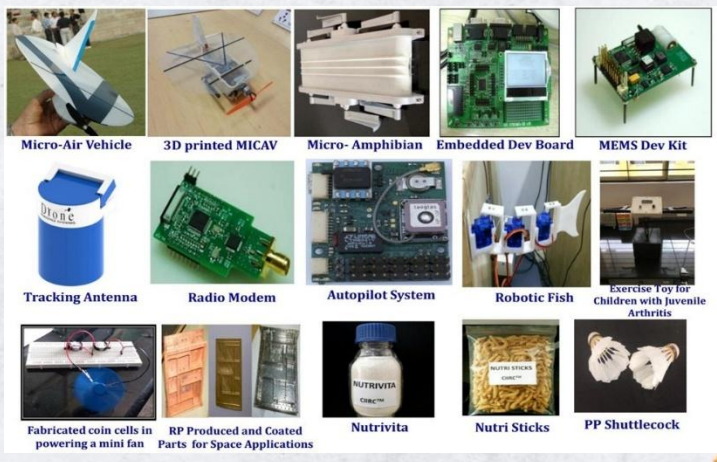
# CIIRC PRODUCTS



## AI JYOTHY



Sapling Tray, False Ceiling Tiles, Packing Boxes, Disposable Cups, Pots, Partition Boards



# BEST OUTGOING STUDENTS



## **GOLD RING AWARDEE:**

· PUJITHA D R (Dept.CSE)

## **SILVER RING AWARDEES:**

- KISHAN S (Dept.CSE)
- PUJITHA D R (Dept.CSE)
- SRUJANA K (Dept.CSE)
- SUDHANVA H P (Dept.CSE)
- VANDANA K H (Dept.ISE)
- VARSHITHA D (Dept.ISE)
- ABHIJAY R BHAT (Dept.ECE)
- Harith C M (Dept.ECE)
- NIRMITHA D (Dept.ECE)
- JAHNAVI P (Dept.AIML)
- SHREYA APARANJI (Dept.AIML)
- BALAJI T (Dept.CIVIL)
- SHIVA B (Dept.CIVIL)
- VINAY GOWDA D (Dept.MECH)



## BEYOND CLASSROOMS: THE CLUB EDITION

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“Club Spectrum: Where Creativity Radiates in Every Hue.”

# ENGLISH FORUM CLUB

## Report - Inspiring minds, Igniting voice



### INTRODUCTION

The English Forum Club of Jyothy Institute of Technology has long been a space where creativity meets communication, and ideas find their voice. With the vision of enhancing students' fluency, confidence, and critical thinking, the club has been steadily organizing activities that go beyond classrooms, creating opportunities for expression, leadership, and growth.

### EVENTS CONDUCTED

#### 1. Debate Competition – 9<sup>th</sup> Dec, 2024

The debate competition was conducted with the objective of sharpening students' analytical and oratory skills. Topics chosen reflected current issues such as the influence of social media, the role of technology in education, and environmental challenges.

The event witnessed active participation from students across various departments. Participants were evaluated on content, clarity, delivery, and rebuttal. Judges appreciated the quality of arguments and the confidence displayed by the debaters. The event not only helped students improve public speaking but also promoted critical listening and respectful disagreement.



## 2. Shark Tank -

To foster entrepreneurial thinking among students, the club organized a Shark Tank – Campus Edition. Participants pitched innovative business ideas to a panel of “investors” who assessed feasibility, creativity, and presentation.

Students came up with a wide range of ideas, including technology-driven solutions, sustainable products, and innovative services. The event gave participants a real-time experience of pitching and negotiating, while also receiving constructive feedback from the panel. The activity stood out for its interactive nature and served as a practical exercise in communication, persuasion, and problem-solving.

Winners and special recognitions included:

- Most Innovative Team
- Outstanding Pitch Team
- Investor’s Choice Team

### 3. Workshops – 26<sup>th</sup> April, 2025

To help students build skills beyond competitions, the English Forum Club organized a communication and presentation skills workshop. Designed to be interactive, it included impromptu speaking, turncoat debate, with focus on body language, voice modulation, and confidence building. The workshop received positive feedback, as many students overcame hesitation, stepped out of their comfort zones, and realized the value of effective communication in academic and professional life.



### ACHIEVEMENTS

The English Forum Club has not only conducted events on campus but also represented the institution at intercollegiate and national platforms, securing laurels and recognition:

- Won Bronze Medal at VTU Debate Competition.
- Won Silver Medal at VTU Elocution Competition.
- Secured 1st place at BGS Fest Inter-College Debate.
- Secured 2nd place at BMSIT InterCollegiate Debate.
- Secured 3rd place at *Rotaract 35th Rotary Yadalam Nanjaiah Setty Inter-Collegiate Debate*.
- Represented JIT at the State-level Model United Nations(MUN) Conference at NITK, Suratkal.
- Represented JIT at the National-level Debate (CRMD '25) held at Fr. Conceicao Rodrigues College of Engineering, Mumbai.
- Represent JIT at the NITK, Suratkal Asian Parliamentary Debate (APD'25).
- Represented JIT at Kristu Jayanti College, Bengaluru in intercollegiate Model United Nations(MUN).

## **OBSERVATIONS AND HIGHLIGHTS**

### **BEYOND EVENTS – A space to grow**

While competitions and workshops form the visible highlights of the English Forum Club, what makes it truly special is the environment it creates. It is a platform where students can experiment with new ideas, make mistakes without judgment, and grow together as a community of learners.

The debate honed critical thinking. The Shark Tank event nurtured entrepreneurial spirit. The workshop built confidence in communication. Together, these events ensured that the English Forum Club remained true to its purpose—empowering students with skills that go beyond academics.

## **CONCLUSION**

The activities of the English Forum Club during this semester proved to be highly impactful in enhancing the communication, creativity, and confidence of students. Each event was well-received and contributed significantly to the holistic development of participants.

The club looks forward to organizing more such events in the future to continue providing students with platforms to express, innovate, and excel.

## Team Garuthmaan



### Introduction

Team Garuthmaan AeroClub is the official flying and aeromodelling team of our college, known for its innovation, skill, and adventurous spirit. With a perfect blend of creativity, teamwork, and technical precision, Garuthmaan has showcased its talent in numerous competitions and events, designing and flying UAVs, drones, and model aircraft. The team thrives on curiosity, discipline, and collaboration, reflecting both modern technology and the excitement of flight in every project and performance.

### Achievements

In the past nine years, Team Garuthmaan AeroClub has achieved remarkable success in national and international competitions:

- 1st in India – multiple times, including 2025 Micro Class
- 5th worldwide – 2018, 2019, 2020 (SAE Aero West, Van Nuys)
- 10th place – 2022 (SAE Aero West)
- 9th place – 2023 (SAE Aero East, Florida)
- 3rd place – Russia Hi-Tech 2023

### Highlights:

- Top 1 in India – 2 times
- Top 3 in India – 6 times
- Top 6 worldwide – 5 times

These achievements reflect the team's innovation, technical excellence, and spirit of teamwork in all their projects and competitions.

### **Words from the Team Lead**

"Leading Team Garuthmaan AeroClub has been an incredible journey of innovation, learning, and unforgettable experiences. Our team is more than just a group of enthusiasts—it's a family that supports, inspires, and challenges each other to push the boundaries of what we can achieve. Every project, every competition, and every milestone reflects the dedication, creativity, and passion we bring to our work.

As we move forward, we aim to reach new heights and continue making our college proud. Recognition is important, but the true reward is the spirit of teamwork and the impact we create. Team Garuthmaan is committed to excellence, innovation, and leaving a mark wherever we participate."

— **K Naveen Reddy, Captain, Team Garuthmaan**

# THE WORLD LANGUAGE CLUB

## **ZENKEN DAY: BRIDGING CULTURES, OPENING DOORS**

The World Language Club (WLC) had hosted a dynamic and informative event, Zenken Day, in collaboration with Zenken, an organization dedicated to connecting Indian talent with Japanese corporations. The event aimed to enlighten students about lucrative career opportunities in Japan and foster cultural exchange.

Kashiwabara-san and Tarana-san, distinguished representatives from Zenken, graced the occasion with their insightful talk. Targeting pre-final year students, they delved into the intricacies of the Japanese job market, emphasizing the high demand for skilled Indian professionals. The duo also highlighted how students passionate about Japanese culture and anime could leverage their interests to secure coveted positions in prestigious companies.

Following the formal presentation, an informal Q&A session allowed WLC members to engage directly with the guests. The lively exchange covered a wide range of topics, from Japanese work culture to daily life. Both students and guests found the session enriching, building a deeper understanding of each other's cultures.

Beyond the informative session, Zenken introduced an element of fun with engaging activities like Kendama, a traditional Japanese toy, and Yukata (not to be confused with Yakuza) try-outs. These interactive experiences provided students with a firsthand glimpse into Japanese culture.

Zenken Day proved to be a resounding success, inspiring students to explore career prospects in Japan while immersing themselves in the rich tapestry of Japanese culture. The event not only bridged cultural gaps but also empowered students to envision a promising future in the land of the rising sun.

## **KOTOSHI NO KANJI: A DAY OF CULTURE AND CONNECTION**

The World Language Club also hosted an unforgettable event, "*Kotoshi no Kanji*," celebrating the annual Japanese tradition of selecting a kanji to encapsulate the year's significant events. The event was a vibrant tapestry of culture, competition, and culinary delights.

Participants were immersed in Japanese culture through a series of engaging games, including *Hayaku Kaku* (speed writing) and a quick chopsticks challenge. The highlight of the event was the unveiling of the "Kotoshi no Kanji" for the year, followed by a lively discussion about its significance.

A culinary journey awaited attendees with the introduction to authentic homemade Japanese cuisine, including vegetarian sushi, Japanese garlic pickles, and onigiri, prepared by our esteemed guests. The delectable spread was a testament to the richness of Japanese gastronomy.

The event was further enriched by the presence of Sampei-san, CEO of ASIA TO JAPAN, and Prajwal-san, the Indian representative. Their insightful talk provided valuable insights into the Japanese workforce and career opportunities.

A cultural exchange ensued as WLC members, proficient in Shodou (Japanese calligraphy), interacted with Sampei-san, exchanging calligraphy tips and writing each other's names in Kanji. Sampei san was delighted to be guided by the students to write “ ”(*Kannada*).

The event concluded with an informative talk by Sampei-san and Vishal Panja, an alumni who secured a placement through ASIA TO JAPAN. Their shared experiences underscored the impact of the organization in bridging cultural and professional divides.

Kotoshi no Kanji was more than an event; it was a celebration of Japanese culture, a platform for knowledge sharing, and a testament to the enduring spirit of collaboration between India and Japan.



## Team Aakarshana



### Introduction:

Team Aakarshana Photography Club, established on 29th November 2024 at Jyothy Institute of Technology is a creative hub for visual storytellers. It unites photographers, videographers, editors and content creators who are passionate about creating and curating moments. Aakarshana aims to merge art and technology through its vision of fostering creativity, teamwork, and so on. It is a platform where ideas become real on lenses and editing screens, engaging the JIT community.

### Achievements:

1. Asritha Y – 1<sup>st</sup> Place at Pranathi 2023
2. Lakshmesh .B - 2nd place in ARNAAV 2024 at SJB Institute of Technology
3. Lakshmesh. B- 2nd runner up in Pixel perfect product photography at BNMIT
4. Gourang A M – 1<sup>st</sup> Place at Pranathi 2024
5. Asritha Y – Nominated for Best photographer of the year 2024 at Bengaluru cultural fest community.
6. Sinchana S P – 3<sup>rd</sup> Place of 2000rs, at Suttur Jatra Mahotsava 2025 in Photography.

## Team Aakruthi



### Introduction

Team Aakruthi is the official design club of our college—a studio of ideas where visuals meet function. From sketch to screen, we explore graphic design, UI/UX, illustration, product mock-ups, and spatial displays. United by curiosity and craft, Aakruthi blends strategy with aesthetics to solve problems, tell stories, and elevate campus life. The club thrives on experimentation, feedback culture, and teamwork—honoring fundamentals while embracing new tools and trends.

### Achievements

As a growing club, Team Aakruthi currently has no formal accolades. Our focus right now is building a strong body of work and community impact through:

- Hands-on workshops in design basics (layout, typography, color), UI/UX, and digital tools.
- Design sprints & critique circles that sharpen thinking, craft, and presentation.
- Campus design support—posters, event branding, merchandise concepts, stage/backdrop layouts, and installations.
- Community and sustainability projects like upcycling, signage, and wayfinding explorations.
- Portfolio labs & peer mentorship to help members develop case studies and personal style.
- Cross-club collaborations to solve real briefs and practice client communication.

# Team Ahana



## Introduction

Team Ahana is the official dance team of our college, celebrated for its energy, versatility, and artistic expression. With a dynamic blend of rhythm, passion, and creativity, Ahana has lit up stages at various cultural fests and earned recognition for its captivating performances.

The team embodies dedication, discipline, and unity, bringing together diverse dance forms that reflect both tradition and modernity. Whether it's classical elegance, contemporary flair, or high-energy street moves, Ahana continues to set benchmarks with its vibrant presence and powerful storytelling through dance.

## Achievements

- Represented the college at the prestigious VTU Cultural Fest, showcasing exceptional talent and versatility.
- Bagged 1st place in Classical Solo Dance [Manu J] and 4th place in Group Folk Dance, bringing pride and recognition to the institution.
- Built a strong legacy of passion and teamwork, inspiring upcoming dancers and elevating the cultural vibrancy of the college.

“Dance with discipline, perform with pride—that’s Ahana.”

## Team Alankaar



### Introduction :

Team Alankaar is the official fashion team of our college, known for its creativity, elegance, and bold presence on stage. With a perfect blend of artistry, confidence, and teamwork, Alankaar has not only represented our institution in numerous cultural fests but has also carved out a name for itself in the fashion circuit. The team thrives on passion, discipline, and the spirit of togetherness, reflecting both tradition and modernity in its performances.

### Achievements:

- Secured podium finishes at multiple intercollegiate fashion events
- Represented the college at prestigious fests like DSATM and MBA intercollegiate cultural events.
- Recognized for outstanding creativity in styling and presentation.
- Built strong industry connections, helping members gain modeling and networking opportunities.

These achievements highlight the team's commitment to excellence, professionalism, and innovation on and off the ramp.

## Team Kalaaranga



### Introduction

Kalaaranga is the official theatre team of Jyothy Institute of Technology, renowned for its creative brilliance, passionate performances, and innovative storytelling. As the heartbeat of our campus culture, Kalaaranga brings together theatre enthusiasts who breathe life into characters and stories, captivating audiences with diverse forms of drama—classic, contemporary, and experimental. With every performance, the team kindles imagination, inspires conversation, and unites the college in an artistic celebration.

“Igniting imagination, living every story—Kalaaranga, where every act is an experience!”

### Achievements

- Represented the college with pride at the prestigious VTU Cultural Fest, leaving a memorable mark with powerful theatrical presentations.
- Staged original and classic productions that drew packed audiences, earning accolades for creativity and teamwork.
- Nurtured a vibrant culture of performance arts, igniting passion and confidence among members and enriching the college’s cultural identity..

## Team Swara



### Introduction

Team Swara is the official singing club of our college, celebrated for its melodious harmony, vocal versatility, and soulful expression. With a dynamic blend of passion, rhythm, and creativity, Swara has enchanted audiences at various cultural fests and earned recognition for its captivating performances. The team embodies dedication, discipline, and unity, bringing together diverse musical genres that reflect both tradition and modernity. Whether it's the intricate notes of classical music, the soul of non-classical tunes, or the vibrant energy of film songs, Swara continues to set benchmarks with its powerful vocals and emotive storytelling through music.

### Achievements

- Represented the college at the prestigious VTU Cultural Fest, showcasing exceptional vocal talent and musical versatility.
- Delivered memorable performances at reputed intercollegiate fests, including those at DSATM, RVITM, and RVCE.
- Received accolades for outstanding vocal harmony and creative musical arrangements.
- Built a strong legacy of passion and teamwork, inspiring upcoming singers and elevating the musical vibrancy of the college.

## Team Saahithyam



### Introduction

**Team Saahithyam** is the official **literature club** of our college, celebrating the power of words across English, Kannada, and Hindi. From poetry, creative writing, and storytelling to debates and discussions, we explore every shade of expression. Saahithyam is where ideas flow freely, creativity thrives, and every voice finds its rhythm and story.

### Achievements

- Won Bronze Medal at VTU Debate Competition.
- Won Silver Medal at VTU Elocution Competition.
- Secured 1<sup>st</sup> place at BGS Fest Inter-College Debate.
- Secured 2<sup>nd</sup> place at BMSIT InterCollegiate Debate.
- Secured 3rd place at *Rotaract 35th Rotary Yadalamb Nanjaiah Setty Inter-Collegiate Debate*.
- Represented JIT at the State-level Model United Nations (MUN) Conference at NITK, Suratkal.
- Represented JIT at the National-level Debate (CRMD '25) held at Fr. Conceicao Rodrigues College of Engineering, Mumbai.
- Represent JIT at the NITK, Suratkal Asian Parliamentary Debate (APD'25).
- Represented JIT at Kristu Jayanti College, Bengaluru in intercollegiate Model United Nations (MUN).

These achievements highlight our team's dedication, creativity, and passion for literature in all its forms

# TRIUMPHED AT VTU FEST!



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**“Champions Made, History Written. ”**

## VTU FEST – INTERACT 2025

**Event: VTU Fest – INTERACT 2025**

**Hosted by: Global Academy of Technology**

**Date: 24-03-2025 to 27-03-2025**

**College Code: GA-007**

**Number of Events Participated: 20**

**Faculty co-ordinator: Mr. Gurumurthy M**

### **Summary:**

Our college took part in the prestigious **VTU Fest – Interact 2025**, a grand celebration of talent, culture, innovation, and sportsmanship. A total of **20 events** saw enthusiastic participation from our college across diverse domains including **cultural, literary, and fine arts**. Each event was a vibrant display of our students' passion, dedication, and creativity.

### **Event-Wise Report**

#### **DAY 1(24-03-2025)**

##### **1. Classical Dance (Solo)**

- **Participant(s):**J Manu
- **USN:**1JT23CS066
- **Performance Theme:**ShivaTarangam- Kuchipudi
- **Achievement:** 5<sup>th</sup> position



## 2. Classical Instrumental Solo(Percussion/Taala Vadya)

- **Participant(s):**Aprameya HS
- **USN:**1JT21CS018
- **Musical Instrument Played:**Mridangam



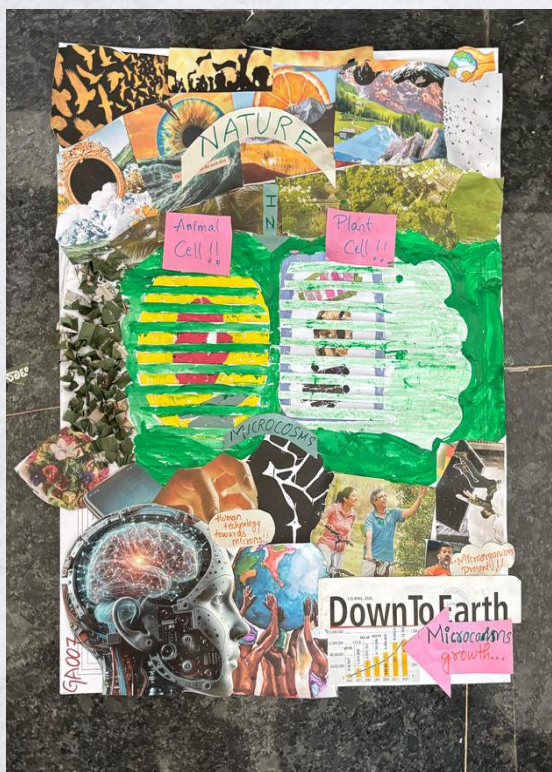
## 3. Elocution

- **Participant(s):** S Thanushree
- **USN:** 1JT23CS136
- **Language:** English
- **Topic chosen:**The Prison of Perfection
- **Achievement:** Silver medal (2<sup>nd</sup> position)



#### 4. Collage Making

- **Participant(s):** Hitha P S
- **USN:** 1JT22CS064
- **Theme:** Nature's microcosm
- **Achievement:** Bronze medal(3<sup>rd</sup> position)



## 5. Rangoli

- **Participant(s):** Sanjana A Shet
- **USN:** 1JT22CS136
- **Theme:** Open theme



## PROCESSION

Day 1 of VTU Fest – Interact 2025 continued with a vibrant procession, where every participating college showcased their unique representation of the theme: "Brand Karnataka".

Our college proudly took part in this cultural parade, displaying Karnataka's rich heritage, traditional attire, iconic art forms, and diverse language and culture. The energy, colors, and spirit of the procession set the tone for the fest.



## DAY 2(25-03-2025)

### 6. One Act Play

- **Team Members:**

Prarthana Hegde	1JT24AI029
M.R.Harshini	1JT24IS026
Varnika V	1JT23EC117
Deeksha.S	1JT23EC026
Hemanth R	1JT23CS060
Sangeetha M	1JT23CS142
Suraj S Chinivar	1JT23CS168
Vikas k	1JT22CS184
Vishwas R	1JT22CS187
Priya Kulkarni	1JT21AI034

- **Accompanist:**

Vijay Krishna 1JT24CS409

- **Play Title:** Apoorva Ramayana



### 7. Mimicry

- **Participant:** Chethan R L
- **USN:** 1JT24AI008

### 8. Classical Vocal Solo(Hindustani/Carnatic)

- **Participant:** Samhitha Bharadwaj
- **USN:** 1JT24IS038
- **Style:** Hindusthani



## 9. Quiz

- **Participants:** Akshay J 1JT21CS008  
Kishan S 1JT21CS052  
Arunkumar R Lingadal 1JT21IS009

## 10. Cartooning

- **Participant:** Geetha C
- **USN:** 1JT22CS047
- **Theme:** If you were a cartoon

## 11. Poster Making

- **Participant(s):** Yashas R
- **USN:** 1JT22CS189
- **Theme:** 21<sup>st</sup> Century Flux

## DAY 3(26-03-2025)

## 13. Folk/Tribal Dance

- **Team Members:**

Jeevan Kumar B S	1JT23EC048
Nithin J	1JT23EC077
J Manu	1JT23CS066
Hitha P S	1JT22CS064
Sanjana A Shet	1JT22CS136
Harshitha N	1JT22CS061
Bandeesh	1JT22CS021
Navaneeth Charan MSJ	1JT22AI023
Yogesh B	1JT22EC123
Srujana K	1JT21CS107

- **Dance Form:** Yakshagana, Keelukudure, Bedaravesha, Panjurli vasha
- **Achievement:** 4<sup>th</sup> position



#### 14. Light Vocal Solo

- **Participant:** Nandini Nagraj Hegde
- **USN:** 1JT24CS093
- **Accompanist:** K M Ranga Vittala Rao
- **Song Performed:** Bhaavageethe



### 15. Western Vocal Solo

- **Participant:** Samhitha Bharadwaj
- **USN:** 1JT24IS038



### 16. Group Singing – Indian

- **Team Members:**

Jyothish S	1JT22AI016
Shriya H S	1JT23EC100
Vaishnavi A N	1JT23CS176
Shreya Aparanji	1JT21AI042
Prabhava R Bhat	1JT22AI034
Sanjana Jagadish	1JT23EC094



- **Accompanists:** Pranav K R, KM Rangavittala Rao, Ravish B R
- **Song(s):** Sanskrit Patriotic song and a folk song



### 17. Debate

- **Participants:**

<b>S Thanushree</b>	<b>1JT23CS136</b>
<b>Amrit S Rajapurohit</b>	<b>1JT23EC012</b>

- **Topic chosen:** Juveniles should be punished as adults for heinous crimes.
- **Achievement:** Bronze medal(3<sup>rd</sup> position)



## 18. Clay Modelling

- **Participant: Kruthika C S**
- **USN: 1JT21CS053**
- **Theme: Metamorphosis**



## 19. Spot Photography

- **Participant:** SUKRUTH KUMAR J V
- **USN:** 1JT21CS111
- **Theme / Subject:** Beyond the obvious
- **Achievement:** Silver medal(2<sup>nd</sup> position)

## DAY 4(27-03-2025)

### 20. Installation

- **Team Members:**

Akshay J	1JT21CS008
Kishan S	1JT21CS052
Sanjana N Bharadwaj	1JT23CS144
Kruthika C S	1JT21CS053

**Concept Title:** Open theme using Spatial Geometry



## Overall Achievements

Event	Position	Participant(s)
Elocution	2 <sup>nd</sup> (Silver)	Thanushree S
Spot photography	2 <sup>nd</sup> (Silver)	Sukruthkumar J V
Debate	3 <sup>rd</sup> (Bronze)	S Thanushree and Amrit S Rajapurohit
Collage making	3 <sup>rd</sup> (Bronze)	Hitha P S

## Fashion Show

Our college proudly participated in the Fashion Show event, showcasing the grandeur of the **Mysore Dasara Utsava** as the central theme. The team magnificently brought to life the royal traditions of Karnataka's most iconic festival—featuring regal silk drapes, elephant motifs, and royal procession elements. Each outfit reflected the essence of heritage, devotion, and celebration that Mysore Dasara is known for. The powerful walk, graceful choreography, and attention to authentic cultural detail received immense appreciation, making this performance one of the visual highlights of the fest.

## Glimpses of Interact 2025







# COMPUTER SCIENCE

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**“ Binary Dreams, Infinite Realities: Navigating the coded Frontier.”**

## COMPUTER SCIENCE AND ENGINEERING



**DR. PRABHANJAN S**  
Professor & Head

### Vision

To be a centre of excellence in Computer Science and Engineering education, focus on research, innovation and entrepreneurial skill development with professional competency.

### Mission

**M1:** To provide state-of-the-art ICT infrastructure and innovative, research-oriented teaching-learning environment and motivation for self-learning & problem-solving abilities by recruiting committed faculty.

**M2:** To encourage Industry Institute Interaction & multi-disciplinary approach to problem-solving and adapt to ever-changing global IT trends.

**M3:** To imbibe awareness of societal responsibility and leadership qualities with professional competency and ethics.

### From the Hod's Desk

It gives me immense pleasure to note that the college is bringing out its annual magazine, JITimes. "Learning is a continuous process from the minute we are born until we die." JIT provides a platform for every student to develop their learning skills through this annual magazine.

The Department offers graduate, post-graduate and doctoral programs in Computer Science and Engineering. The graduate program is approved by the NBA.

The department has a team of highly experienced and motivated faculty members. All are well qualified and excel at preparing young minds for global competition. Our students are highly motivated and industry-ready with hands-on experience in current technologies and programming languages.

Students are offered personality development programs, competitive exams, quizzes, and other co-curricular activities are a part of the schedule. Students actively participate in sports, co-curricular, and extracurricular activities including inter and intra-college events, and various inter-university fests and competitions.

The department works for the overall growth of students and inculcates qualities that are required and valued by society. Turning a student into a good citizen is the prime aim of the department

## TEACHING FACULTY

SI No	Name	Designation
1	Dr. Prabhanjan S	Professor & HOD
2	Dr. S Balaji	Professor
3	Mr. Nagaraj A (PG)	Professor of Practice
4	Lt. Dr. Manoj Kumar M	Associate Professor
5	Dr. Swathi K	Associate Professor
6	Dr. Annie Sujith	Associate Professor
7	Dr. Krishna Prasad R	Associate Professor
8	Dr. S Nikitha	Associate Professor
9	Dr. Abhishek K	Associate Professor
10	Mr. Srinidhi Kulkarni	Assistant Professor
11	Mr. Keshav Gowtham N S	Assistant Professor
12	Mrs. Madhu G	Assistant Professor
13	Ms. Namratha B S	Assistant Professor
14	Mr. Basavesh D	Assistant Professor
15	Mr. Navile Nageshwara Naveen	Assistant Professor
16	Mrs. Rekha V	Assistant Professor
17	Mr. Venkateshwara N	Assistant Professor
18	Mr. Akhilesh S Narayan	Assistant Professor
19	Mrs. M Rajeswari	Assistant Professor
20	Mrs. Prathibha K N	Assistant Professor
21	Mrs. Geethapriya G H	Assistant Professor
22	Mrs. Kaveri	Assistant Professor
23	Mr. Adithya D A	Assistant Professor
24	Mr. Prajwal Gowda P Patil	Assistant Professor
25	Mrs. S Saila	Assistant Professor
26	Mrs. Varsha C Parihar	Assistant Professor
27	Mrs. Vindhya Ramachandran	Assistant Professor
28	Mr. Pranav Kulkarni	Assistant Professor
29	Mrs. Ramya B N	Assistant Professor
30	Ms. Jayashree Nagaraj	Assistant Professor
31	Mrs. Subhashini P	Assistant Professor
32	Mr. Shrihari A	Assistant Professor

## NON-TEACHING STAFF

SI No	Name	Designation
1	Mrs. Sarvamangala DS	Senior Instructor
2	Ms. Nandini R	Instructor
3	Mr. Jayanth M	Instructor
4	Mrs. Manju M	Instructor
5	Mr. Raghavendra Timmappa Naik	Instructor
6	Mr. Amith J	Instructor
7	Mrs. Padmavathi V	SDC

## DEPARTMENT ADVISORY BOARD

SI No	Name	Designation
1	Dr. Dinesh R	Principal Engineer, Samsung Electro-Mechanics
2	Dr. R Balakrishna	Professor, CSE Dept., Rajarajeshwari College of Engineering
3	Dr. S Balaji	Professor, CSE Department, JIT
4	Dr. Prabhanjan S	Professor and HOD, CSE Department, JIT

### Proud Achievement: VTU Rank Holder – Batch of 2025



The Department of Computer Science and Engineering, Jyothy Institute of Technology, takes immense pride in celebrating the outstanding achievement of **Ms. Srjana K (USN: 1JT21CS107)** from the Batch of 2025, who has secured the **6th Rank** at Visvesvaraya Technological University.

Her remarkable success is a reflection of her dedication, perseverance, and academic excellence throughout her four years of engineering education. Balancing a rigorous curriculum, co-curricular and extracurricular activities Srjana has truly set an example for her peers. Her accomplishment also reflects the commitment of the department and faculty members in nurturing young talents and enabling them to excel at the university level.

We congratulate Ms. Srjana K on her well-deserved success and extend our best wishes for all her future endeavors. Her journey will continue to inspire juniors and future batches to strive for excellence, uphold academic values and bring further laurels to the institution.

## Best Outgoing Student 2024-25

**Ms. Pujitha D R** was honored as the best outgoing student of the college for the year 2024-25. In recognition of her outstanding academic, co-curricular and extracurricular achievements, the institution awarded her a prestigious gold ring.


Adding to her distinction, Pujitha has successfully earned the **NCC 'C' Certificate**, showcasing her discipline, leadership and unwavering commitment through her active participation in camps and sports events. She is also a **distinction holder in both Junior and Senior Bharatanatyam examinations**, and currently pursues Vidwath while continuing to perform and practice professionally.


Demonstrating her athletic talent, she represented the college in **VTU Basketball Tournaments** and secured victories in **NCC-level basketball competitions**. On the academic front, Pujitha has consistently performed at the top throughout her engineering journey. Her **final-year project**, titled *Currency Detection for the Visually Impaired Using Deep Learning* was published as a research paper in the **International Journal of Research in Applied Science and Engineering Technology**.

Her remarkable achievements culminated in her placement with **Deloitte as an Analyst Trainee**, marking a promising beginning to her professional career.



## CSE Department Toppers (Batch of 2021)

SRUJANA K		
USN: 1JT21CS107	Sem.	GPA
	I	9.85
	II	9.93
	III	9.83
	IV	9.80
	V	9.74
	VI	9.72
	VII	9.72
	VIII	9.75

V PUNYA LAKSHMI		
USN: 1JT21CS117	Sem.	GPA
	I	8.45
	II	8.53
	III	8.72
	IV	8.84
	V	8.84
	VI	8.97
	VII	9.16
	VIII	9.09

### KSCST FUNDS APPROVAL

Faculty/ Student Name	Project Title	Amount	Year of Sanction
<b>Faculty:</b> Mrs. Nikitha S.  <b>Students:</b> Sudhanva HP Srihari VP TANayana Varshini L	Sustainable water management: A remote sensing perspective on lake health.	Rs. 3000/-	2024-25

### BOOK / CHAPTER PUBLICATION DETAILS

Sl. No	Faculty Name	Book/Book Chapter	Publisher	ISBN No	Publication Year
1	Mrs. Namratha BS	Data Structures Using Python	Scientific International Publishing House	978-93-7196- 061-8	2025
2	Dr. Annie Sujith	Fundus Image Restoration and Enhancement Using Multi Resolution CNN Framework	Taylor & Francis, CRC Press	978-10-0347- 344-2	2025

## CONFERENCE PAPER PRESENTATION DETAILS

SI No	Faculty Name	Paper Title	Conference Title	Period
1	Dr. Annie Sujith	Image Restoration and Enhancement of Retinal images Using Multi-Resolution Dual CNN	2024 International Conference on Brain Computer Interface & Healthcare Technologies (iCon-BCIHT), Shinawatra University, Thailand	08-11-2024 to 11-11-2024
2	Mr. Srinidhi Kulkarni	Intelligent Cyber Forensic Framework: AI-Driven Integration of Web, Disk, and Email Forensics	International Conference on Innovation of Materials, Science and Engineering Technology (ICIMSET-2025)	28-2-2025
		Deep Nature Network Models for Predicting Peptide-Protein Binding Affinity Through Ligand-Binding Thermodynamic Optimization	5th International conference on Artificial Intelligence, 6G Communications and Network Technologies - ICA6NT 2025, Velammal Institute of Technology, Chennai	27-03-2025 to 28-03-2025
		Advancing Protein Ligand Binding Affinity Prediction Deep Learning Approaches for Drug Discovery	5th International Conference on Innovations in Electrical, Information and Communication Engineering (ICIEICE'25)	28-03-2025 to 29-03-2025
3	Dr. Manoj Kumar M	Ensemble Learning Framework for Blood Group Identification Using Fingerprint Patterns	2025 International Conference on Computing Technologies (ICOCT) – IEEE – 10.1109/ICOCT6443 3.2025.11118769	13-06-2025 to 14-06-2025

4	Dr. S Nikitha	FusionNet-RS: A Deep Feature Fusion Model for Remote Sensing Image Classification on PatternNet	2025 International Conference on Computing Technologies (ICOCT) – IEEE - 10.1109/ICOCT6443 3.2025.11118405	13-06-2025 to 14-06-2025
		Land Use Classification using Ensemble Hybrid Model: A Study on the UC Merced Dataset	2025 International Conference on Computing Technologies (ICOCT) - IEEE	13-06-2025 to 14-06-2025

## FACULTY / STUDENT PAPER PUBLICATION DETAILS

Sl No.	Faculty Name	Papers Published	Journal Name	ISSN NO	Year of Publication
1	Dr. Annie Sujith	Energy-Efficient Routing Algorithm using Zone-base Hybrid Cluster Chain Approach in Wireless Sensor Networks	IEIE Transaction on Smart Processing and Computing, Vol.13, no. 6, Dec 2024 (Scopus Indexed)	ISSN: 2287-5255	2024
		Image Restoration and Enhancement of Retinal images using Multi-Resolution Dual CNN	IEEE Xplore 2025, DOI: 10.1109/iCon-BCIHT63907.2024.10882339 (Scopus Indexed)	ISBN:979-8-3315-4007-4	2025
2	Dr. Nikitha S	Plant Nutritional Deficiency Detection: A Survey of Predictive Analytics Approaches	International Journal, Iran Journal of Computer Science, Vol. 10, No. 1007, 14-10-2024	ISSN: 2520-8446	2024
		Enhancing Plant Nutritional Deficiency Analysis: A Multi-Attention Convolutional Neural Network Approach	International Journal, Multimedia Tools and Applications, Vol. 10, No 1007, 23-09-2024	ISSN: 1573 - 7721	2024
		Composite Cross Attention Network for Reliable and Robust Plant Nutritional Deficiency Analysis: Image Enhancement and Transfer Learning	Journal of Theoretical and Applied Information Technology Vol 102, No. 18, 30-09-2024	ISSN: 1992-8645	2024

3	Mr. Akhilesh S Narayan	Plant Nutritional Deficiency Detection: A Survey of Predictive Analytics Approaches	International Journal, Iran Journal of Computer Science, Vol. 10, No. 1007, 14-10-2024	ISSN: 2520-8446	2024
4	Mr. Srinidhi Kulkarni V	EMSPLA For Accurate Feature Molecular Extraction from Protein-Ligand Interactions	Indonesian Journal of Electrical Engineering and Computer Science, Vol. 37, No.1, Jan 2025, pp. 580-589	ISSN: 2502 - 4752	2025
		Energy-Efficient Routing Algorithm using Zone-base Hybrid Cluster Chain Approach in Wireless Sensor Networks	IEIE Transactions on Smart Processing and Computing, Vol.13, no. 6, Dec 2024	ISSN 2287-5255	2024
5	Mrs. Namratha B S	Revolutionizing Healthcare with Deep Learning: Future Application and Ethical Considerations	International Research Journal of Engineering and Technology (IRJET) Volume: 12 Issue: 06, June 2025	e-ISSN NO: 2395 - 0056 p-ISSN NO: 2395 - 0072	2025
6	Mrs. Prathibha K N	The Role of Artificial Intelligence in Revolutionizing Cancer Detection and Diagnosis: A Focus on Convolutional Neural Networks	International Journal of Scientific Research in Engineering & Management, Vol. 9, impact factor: 8.448 Issue 01, Jan 2025	ISSN: 2582 - 3930	2025
7	<b>Faculty:</b> Dr. Prabhanjan S <b>Students:</b> Achal N Aruna A Shenoy Bhushan M Pujitha D R	Currency Detection for the Visually Impaired Using Deep Learning	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	ISSN NO: 2321 - 9653	2025

8	<b>Faculty:</b> Mr. Nagaraj A <b>Students:</b> Deeksha S Kruthika C	Automop: Autonomous Voice-Enabled Floor Cleaner with Smart Navigation	International Journal of Research Publication and Reviews	ISSN NO: 2582 - 7421	2025
9	<b>Faculty:</b> Mr. Nagaraj A <b>Students:</b> Prajeeth L Punya V Lakshmi	MarketPulse: A Real-Time Financial Analysis Platform Using Data Science and Web Technologies	International Research Journal of Engineering and Technology (IRJET) Volume: 12, Issue: 04, April 2025	e-ISSN NO: 2395 - 0056 p-ISSN NO: 2395 - 0072	2025
10	<b>Faculty:</b> Dr. Manoj Kumar M <b>Students:</b> Siddharath Pundit Srivathsa Nadig Vishal M K Sakshi B	Ensemble Learning Framework for Blood Group Identification Using Fingerprint Patterns	IEEE 2025 International Conference on Computing Technologies (ICOCT) DOI: 10.1109/ICOCT644 33.2025.11118769	ISBN:979 -8-3315- 2795-2	2025
11	<b>Faculty:</b> Dr. Manoj Kumar M <b>Students:</b> Rathan Swaroop Vamshi Kashyap S	AI-Enhanced Multimodal Sensing for Early Detection of Diabetic Foot Ulcers: A Cost- Effective Wearable Solution	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	ISSN NO: 2321 - 9653	2025
12	<b>Faculty:</b> Dr. Swathi K <b>Students:</b> Navaneet R Rao Praneeth P Shetty Rishab Joshi Sai Prathik	AI-Driven Insider Threat Detection Using Wazuh and Behavioral Analytics: A Modular Approach	International Journal for Research in Applied Science & Engineering Technology (IJRASET) IC Value: 45.98, SJ Impact Factor: 7.538, Volume 13, Issue V May 2025	ISSN NO: 2321 - 9653	2025

13	<p><b>Faculty:</b> Dr. Annie Sujith</p> <p><b>Students:</b> Srujana K Tejas S Hiremath</p>	<p>AI-Powered Dementia Care Companion: An Intelligent Assistive System for Memory Aid, Safety, and Thought-to-Text Support</p>	<p>International Journal of Scientific Research In Engineering &amp; Management (IJSREM) , Volume: 09, Issue 05, Impact Factor: 8.586, DOI Prefix: 10.55041, May 2025</p>	<p>ISSN NO: 2582 - 3930</p>	2025
14	<p><b>Faculty:</b> Dr. Madhusudhana G</p> <p><b>Students:</b> Ayush MP Charan G Darshan SP Nikith S</p>	<p>Next - Gen Crowd Surveillance using YOLOv8</p>	<p>International Research Journal of Engineering and Technology (IRJET) Volume: 10, Issue: 03, March 2024</p>	<p>e-ISSN NO: 2395 - 0056 p-ISSN NO: 2395 - 0072</p>	2025
15	<p><b>Faculty:</b> Dr. Madhusudhana G</p> <p><b>Students:</b> Ashritha Koteshwar Samitha R Shravya L Thrupthi V</p>	<p>AI-Powered Healthcare and Mental Health Assistant</p>	<p>International Research Journal of Engineering and Technology (IRJET) Volume: 12, Issue: 05, May 2025</p>	<p>e-ISSN NO: 2395 - 0056 p-ISSN NO: 2395 - 0072</p>	2025
16	<p><b>Faculty:</b> Dr. Raghavendra K</p> <p><b>Students:</b> Sakshi Shankar Sanjana Singh Tejas K Varsha N</p>	<p>RoadEye-A YOLOV12-Based Approach for Real-Time Road Pothole Detection</p>	<p>International Research Journal of Engineering and Technology (IRJET) Volume: 12, Issue: 05, May 2025</p>	<p>e-ISSN NO: 2395 - 0056 p-ISSN NO: 2395 - 0072</p>	2025
17	<p><b>Faculty:</b> Dr. Krishna Prasad R</p> <p><b>Students:</b> Adithi Devika RK Gurram V Lalithashree LS</p>	<p>Pedestrian Safety Enhancement Using IOT for Visually Impaired</p>	<p>International Research Journal of Engineering and Technology (IRJET) Volume: 12, Issue: 05, May 2025</p>	<p>e-ISSN NO: 2395 - 0056 p-ISSN NO: 2395 - 0072</p>	2025

18	<b>Faculty:</b> Dr. Nikitha S <b>Students:</b> Sanjay SM Srikanth SR Shrinidhi Rao Sukuruth	Traffic Violation Detection System	International Research Journal of Engineering and Technology (IRJET) Volume: 12, Issue: 05, May 2025	e-ISSN NO: 2395 - 0056 p-ISSN NO: 2395 - 0072	2025
19	<b>Faculty:</b> Dr. Nikitha S <b>Students:</b> Sudhanva HP Srihari VP TA Nayana Varshini L	Pneumonia Diagnosis Using Deep Learning Models	Asian Journal of Engineering and Applied Technology	ISSN No: 2249 - 068X(P)	2025
20	<b>Faculty:</b> Mrs Nayana GB <b>Students:</b> Abhishek M Bharath SB Kishan S	AgroSense: A Real-Time Smart Irrigation Monitoring System Using IOT and Machine Learning	International Research Journal of Engineering and Technology (IRJET) Volume: 10, Issue: 23, April 2025	e-ISSN NO: 2395 - 0056 p-ISSN NO: 2395 - 0072	2025
21	<b>Faculty:</b> Mr. Keshava Gowtham <b>Students:</b> Shiva Subramanya Shreesha Hegde	Blind Assistance Using AI with Machine Learning	International Research Journal of Engineering and Technology (IRJET) Volume: 12, Issue: 04, April 2025	e-ISSN NO: 2395 - 0056 p-ISSN NO: 2395 - 0072	2025
22	<b>Faculty:</b> Mrs. Namratha BS <b>Students:</b> Aprameya HS Ashmitha Dheeraj Ganesh P	Advanced AI-Driven Interview Analysis: A Comprehensive System for Automated Evaluation and Feedback	International Research Journal of Modernization in Engineering Technology and Science, Impact Factor: 8.187, Volume: 07, Issue: 05 May 2025	ISSN NO: 2582 - 5208	2025

23	<p><b>Faculty:</b> Mr. Basavesh D</p> <p><b>Students:</b> Balwantha R Chiranth M Shakthi Prasad Varun Patel</p>	<p>Hacklab: A Cybersecurity Training Platform with AI Chatbot Assistance and Virtualization Lab Infrastructure</p>	<p>International Research Journal of Engineering and Technology (IRJET) Volume: 12, Issue: 05, May 2025</p>	<p>e-ISSN NO: 2395 - 0056 p-ISSN NO: 2395 - 0072</p>	2025
24	<p><b>Faculty:</b> Mr. Navile Nageshwara Naveen</p> <p><b>Students:</b> Lokesh Naik Sakshi Rao Nagendra Prasad Navneeth C</p>	<p>Prediction of Diabetes and Hyper Tension using Machine Learning Techniques</p>	<p>International Research Journal of Engineering and Technology (IRJET) Volume: 12, Issue: 05, May 2025</p>	<p>e-ISSN NO: 2395 - 0056 p-ISSN NO: 2395 - 0072</p>	2025
25	<p><b>Faculty:</b> Mr. Navile Nageshwara Naveen</p> <p><b>Students:</b> Sahil Tariq Priyanka R Suhaib Bashir Danish Nabi</p>	<p>Securing Healthcare Data With A Blockchain-Cloud Hybrid: An Ethereum-Based Implementation</p>	<p>International Research Journal of Modernization in Engineering Technology and Science, Impact Factor: 8.187, Volume: 07, Issue: 05 May 2025</p>	<p>ISSN NO: 2582 - 5208</p>	2025
26	<p><b>Faculty:</b> Mrs. Rekha V</p> <p><b>Students:</b> Sharath Kumar Yeshwanth KS Abhishek R MD. Rayan</p>	<p>Thyroid Disease Prediction</p>	<p>International Journal of Research Publication and Reviews, Volume: 6, Issue: 5, May 2025, Page No: 6675-6679</p>	<p>ISSN NO: 2582 - 7421</p>	2025
27	<p><b>Faculty:</b> Mrs. Rekha V</p> <p><b>Students:</b> Ankush M Ashwath Raj Karthik K Pradhyumna H</p>	<p>Smart Site Selection for Wind Farm</p>	<p>International Research Journal of Engineering and Technology (IRJET) Volume: 10, Issue: 03, Mar 2025</p>	<p>e-ISSN NO: 2395 - 0056 p-ISSN NO: 2395 - 0072</p>	2025

28	<b>Faculty:</b> Mr. Akhilesh S Narayan <b>Students:</b> Akshay J Anriudh S Bhimesh B Gururaj	AI Powered Medical Diagnosis and Disease Support System	International Research Journal of Engineering and Technology (IRJET) Volume: 12, Issue: 05, May 2025	e-ISSN NO: 2395 - 0056 p-ISSN NO: 2395 - 0072	2025
29	<b>Faculty:</b> Mr. Venkateshwara N <b>Students:</b> Dhavan K Manoj Kumar Nirmala R Nithyashree B	Streamlining Agile Planning Through AI-Powered Task Generation and Jira Integration	International Journal of Research Publication and Reviews, Volume: 16, Issue: 5, May 2025, Page No: 3633-3638	ISSN NO: 2582 - 7421	2025
30	<b>Faculty:</b> Mrs. Rajeswari M <b>Students:</b> Akanksha Mishra Alveena Pervaze K S Sumuka Vasista Pratham S	AI-Powered Cyber Threat Detection and Automated Response System	Journal of Emerging Technologies and Innovative Research (JETIR) Volume 12, Issue 5, May 2025	ISSN NO: 2349 - 5162	2025
31	<b>Faculty:</b> Mrs. Geethapriya GH <b>Students:</b> Anirudh P Srikara Nakshatrika Ankush G Hegde	Real - Time Cyber Threat Detection Using Deep Learning: A Step Towards Autonomous Security	International Research Journal of Engineering and Technology (IRJET) Volume: 12, Issue: 05, May 2025	e-ISSN NO: 2395 - 0056 p-ISSN NO: 2395 - 0072	2025
32	<b>Faculty:</b> Mr. Adithya DA <b>Students:</b> Aditya Harwar Apoorva Viresh Nithya S Nischal S	Detection of Image Tampering Using Deep Learning - Based Image Forensics	International Research Journal of Engineering and Technology (IRJET) Volume: 10, Issue: 03, March 2025	e-ISSN NO: 2395 - 0056 p-ISSN NO: 2395 - 0072	2025

33	<b>Faculty:</b> Mrs. S Saila <b>Students:</b> Vyshali C Sharmila babu	Malicious Node Detection and Secure Data Storage in Wireless Sensor Networks using Blockchain and Machine Learning	International Journal for Research in Applied Science & Engineering Technology (IJRASET), IC Value:45.98, SJ Impact Factor: 7.538, Volume 13, Issue 5, May 2025	ISSN NO: 2321 - 9653	2025
34	<b>Faculty:</b> Mrs. S Saila <b>Students:</b> Bharath C	Building a SaaS-Based WhatsApp Chatbox for Restaurant Automation: SupFoodie AI	International Journal for Research in Applied Science & Engineering Technology (IJRASET), IC Value:45.98, SJ Impact Factor: 7.538, Volume 13, Issue 5, May 2025	ISSN NO: 2321 - 9653	2025
35	<b>Faculty:</b> Mr. Prajwal Gowda Patil <b>Students:</b> Abhinav KR Kushal Gowda Mithun Chowda Sonu Kumar	Bone Tumour Detection Using Image Processing	International Research Journal of Engineering and Technology (IRJET) Volume: 12, Issue: 04, April 2025	e-ISSN NO: 2395 - 0056 p-ISSN NO: 2395 - 0072	2025

### PATENT FILING DETAILS

Sl No.	Title of the Invention	Applicants	Patent Application No.	Filing Date	Publication Date
1	AI Powered Malware Protection for IOT Devices	Dr. Annie Sujith Dr. S. Prabhanjan Arya Khaded Suprabha BN Bhavana MJ Shreya HS	202441062385	17-8-2024	23-8-2024

2	AI-Driven Medication Management System	Dr. Annie Sujith Jayanth A Paul Tushara Kota Vandana R	202541032486	20-3-2025	18-4-2025
3	Enhanced Molecular Similarity Protein-Ligand Aligner (EMSPLA) for Improved Deep Learning-Based Bindi	Mr. Srinidhi Kulkarni V Dr. D. Ganesh Dr. Ramesh K.V.	202541028352	26-3-2025	11-04-2025
4	Medconnect - An Automatic Drug Dispensing	Dr. Swathi K Samarth Kashyap Akshay M Priya S	202541056423	12-6-2025	27-6-2025
5	Automated Waste Segregation and Optimization System Using Intelligent Image Classification and Multi-Sensor Fusion	Mrs. Namratha BS Naganishanth J Nanaiah KK Rajesh S Ravish BR	202541061835	28-6-2025	11-07-2025

## ACTIVITIES



Students explored career paths at JIT's Career Guidance Program on May 22<sup>nd</sup>, 2025.



Career-focused guest lecture organized for 4<sup>th</sup> semester students on May 13<sup>th</sup>, 2025.



Youth Day was celebrated with talks honoring Swami Vivekananda's vision on 12<sup>th</sup> Feb, 2025.



One-day FDP on Cloud Computing using AWS labs as per VTU syllabus held on 5<sup>th</sup> March, 2025



Seminar organized on SMART goals and Outcome Based Education on 17<sup>th</sup> March, 2025



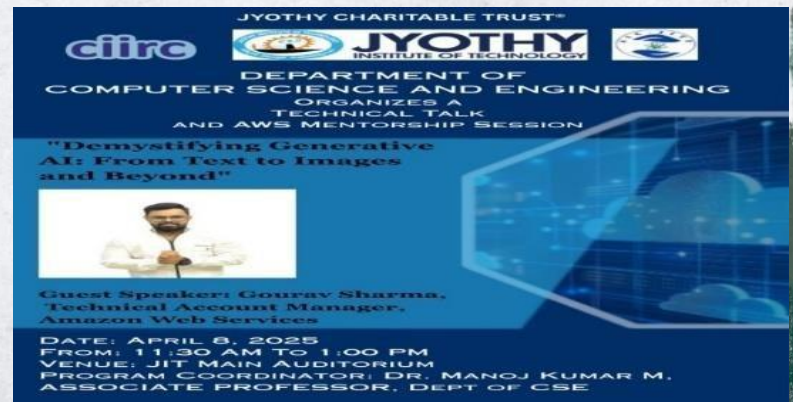
Students learnt to use EBSCO and IEEE Xplore tools for smarter research on March 4<sup>th</sup>, 2025



Hands-on learning at CDAC on 17<sup>th</sup> Feb, 2025 inspired the students with real-world tech exposure



International Conference ICoCT 2025 brought global experts to JIT to explore innovations



Generative AI session was organized for the final-year students on 8<sup>th</sup> April, 2025.

## INTERNSHIP WITH STIPEND

SI No	NAME	USN	COMPANY	STIPEND
1	Darshan.P	1JT21CS038	Quations Solutions Pvt Ltd	15000
2	Sharath Kumar D G	1JT21CS094	Colt Assist Pvt Ltd	7000
	M.D. Rayan	1JT22CS405	Colt Assist Pvt Ltd	5000
3	Shravya. L	1JT21CS098	Perftech Solutions Pvt Ltd	25000
4	Aditya Hatwar T.S.	1JT21CS005	TP Vision India Pvt Ltd	5000
5	Yeshwanth K.S.	1JT21CS127	Spectral Insights Pvt Ltd	20000
6	Samarth KS	1JT21CS087	Perfinno Wood Décor LLP	15000
7	Akshay J	1JT21CS008	Shyena Solutions Pvt Ltd	7500
8	Navaneet R Rao	1JT21CS064	Shyena Solutions Pvt Ltd	7500
9	Sai Prathik R	1JT21CS085	Shyena Solutions Pvt Ltd	7500
10	Priya S.	1JT21CS075	Ellipsonic India Solution Pvt Ltd	10000
11	Bhushan MV	1JT21CS030	Sandcomm Electronics	6000
12	Aruna A Shenoy	1JT21CS019	Sandcomm Electronics	6000
13	Achal N	1JT21CS003	Blue Tichs Innovations Pvt Ltd	10000
14	Srivathsa Nadig	1JT21CS106	Neuilton	5000
15	Kruthika CS	1JT21CS053	Titan Company Limited	15000
16	Prajeeth L	1JT21CS072	Niyanttek Pvt Ltd	6000
17	V Punya Lakshmi	1JT21CS117	Niyanttek Pvt Ltd	
18	Rishab K Joshi	1JT21CS080	Sports Analytics Solutions Pvt Ltd	5000
19	Tejas K	1JT21CS113	SN Info Systems	5000
20	Vyshalli C	1JT21CS125	SN Info Systems	5000
21	Valleti Manish	1JT22CS412	SN Info Systems	5000
22	Vandana R	1JT22CS408	SN Info Systems	5000
23	D Nithya	1JT21CS036	Mphasis	11000

24	Akshay M	1JT21CS009	Attimetrik	20000
25	Samarth Kashyap BS	1JT21CS088	Targetgrid	15000
26	Siddhartha Mahesha P	1JT21CS102	Canarys Automations Ltd	5000
27	Madhan Kumar S	1JT21CS058	NCCS	7500
28	Baid Sakshi Vipin	1JT22CS410	St. Josephs Foundation	7000

## FACULTY ARTICLES

### Faculty Experience as Project Evaluators at NCC

I had the privilege of being invited to serve of the project evaluation panel for the **Inter Battalion IDEA & INNOVATION Project Exhibition**, hosted by **1 Kar Bn NCC** on **29th July 2025**. I was accompanied by **Lt. Dr. Manoj Kumar M** and **Lt. Col. Vijay Fredericks**, Adm Officer and Officer in charge of the Idea and Innovation Competition.



It was truly an enriching experience to witness the innovative ideas and projects presented by the cadets. Their creativity, discipline, and dedication were clearly reflected in the way they approached problem-solving and teamwork.

As evaluators, we had the opportunity to interact with the participants, understand their thought processes, and share constructive feedback. The enthusiasm and passion shown by the cadets were inspiring, and the entire event highlighted the holistic development that NCC fosters among its members.



We were deeply encouraged by the kind words of appreciation expressed by **Lt. Col. Vijay Fredericks** for our role in the evaluation process. His acknowledgment of our contribution was both motivating and gratifying, making the experience even more memorable.



Personally, I found this opportunity both humbling and rewarding. It not only gave me a chance to contribute academically but also to appreciate the values of commitment, discipline, and leadership that NCC instills in young minds.

I am grateful for the opportunity to represent our institution in this capacity, and I look forward to many more such engagements where we, as faculty, can contribute to nurturing talent and innovation beyond the classroom.



By Mr. Basavesh D.  
Assistant Professor

### ಶಕ್ತಿಯ ಸ್ಫೂರ್ತಿ - ಹೆಣ್ಣು

ಅವಳ ಹೆಜ್ಜೆ ಗುಡುಗು, ಕನಸು ಬೆಂಕಿ,  
ಜಗ ಕಗತ್ತಲಲ್ಲಿ ಬಳಕಾಗುವ ಶಕ್ತಿ .  
ಅವಳು ಮೌನದಲ್ಲ ಗಾಳಿಯ ಹೊಳೆ,  
ಕೋಪದಲ್ಲ ಜ್ವಾಲೆಯ ಹೊರೆ. ಬಂಧನ  
ತೊಡೆದು ಹಾರುವ ಗಾಳಿಪಟ,  
ಅವಳ ಹೃದಯವೇ ಸಂಹದ ಹೃದಯಪಟಟ .  
ಮರಳಿ ಮರಳಿ ಷ್ಟೋಳುವ ಧೈಯವಳದು,  
ಲೋಕವನ್ನು ಓ ಬದಲಿಸುವ ಪಣವಳದು. ಅವಳು  
ಸೃಷ್ಟಿ, ಅವಳು ಸಂಹಾರ,  
ಅವಳು ನರಿ, ಅವಳು ಆಗ್ನಿ ಸ್ಪಶಯ. ಹೆಣ್ಣು  
ವೆಂದರೆ ಶಕ್ತಿ ಯ ರೂಪ,  
ಅವಳ ಘೋಷವೇ ಭಯದ ಸತ ತಿಗ್ಗೊತೆ ರೂಪ.



By Mrs. Prathibha  
KN

## The Power Within

Each morning brings a chance anew,  
A world of dreams belongs to you.  
Though doubts may try to cloud your mind,  
Remember your spirit is strong, refined.

The mirror may show a face unsure,  
But deep inside, your strength is pure.  
No voice, no fear, no shadowed past  
Can steal your light—it's built to last.

The road ahead may twist and bend,  
With storms to face and hills to ascend.  
But every stumble, every fall,  
Is proof you're learning, standing tall.

Smile at the challenge, laugh at the fear,  
Whisper to yourself, "*My path is clear.*"  
The world awaits your song, your art,  
The fire that glows within your heart.

Be bold, be kind, let courage grow,  
Plant seeds of hope in all you know.  
For confidence is not just pride—  
It's love and trust you hold inside.

So walk with joy, let your soul take flight,  
You are the star that owns the night.  
The universe smiles, and so should you,  
For there's nothing on Earth you cannot do.



By Ms. Jayashree Nagaraj  
Assistant Professor

# **Green Intelligence: Powering AI Without Draining the Planet**

## **The Hidden Cost of Artificial Intelligence**

Artificial Intelligence (AI) is transforming our world — but it’s also quietly straining our planet. From massive energy consumption to water usage and electronic waste, the environmental footprint of AI is growing rapidly. As we embrace smarter machines, we must ask: What is the true cost of AI?

## **Expert Voices on AI’s Environmental Impact**

*“We need to make sure the net effect of AI on the planet is positive before we deploy the technology at scale.”*

— Golestan (Sally) Radwan, Chief Digital Officer, United Nations Environment Programme (UNEP)

*“This shows us the tradeoff between energy consumption and the accuracy of model performance.”*

— Maximilian Dauner, AI researcher, Hochschule München

*“We need terawatts and terawatts more of traditional green energy, whether it’s wind or solar, and that’s across the globe.”*

— Amanda Peterson Corio, Global Head of Data Center Energy, Google

## **Energy & Emissions Snapshot**

- ❖ Training GPT-3 used ~1,287 megawatt-hours of electricity, emitting ~552 metric tons of CO<sub>2</sub> — equivalent to powering 120 U.S. homes for a year.
- ❖ A single ChatGPT query consumes 5× more electricity than a basic Google search.
- ❖ Global data centers consumed ~460 terawatt-hours in 2022 — more than Saudi Arabia. By 2026, this could reach ~1,050 TWh.
- ❖ Water usage: Every 1 kWh of data center energy requires ~2 liters of water for cooling.
- ❖ Hardware impact: Over 3.85 million GPUs shipped in 2023 — involving toxic chemicals, mining, and high energy use.

## What Can We Do?

- Use green cloud providers (Google Cloud, Azure, AWS).
- Choose eco-friendly search engines like Ecosia.
- Optimize code and reduce data storage.
- Use AI tools hosted on green infrastructure.
- Spread awareness via social media and campus events.

## Smart Ways to Use AI Sustainably

- ❖ Optimize Usage
- ❖ Choose Green AI Platforms
- ❖ Use AI for Sustainability
- ❖ Raise Awareness
- ❖ Support Research & Innovation

## AI Tools That Help Reduce Carbon Footprint

<b>Tool</b>	<b>Purpose</b>	<b>Green Benefit</b>
Ecosia	Search engine	Plant trees with ad revenue
Google Earth Engine	Environmental analysis	Supports climate research
Open Climate Fix	Solar energy forecasting	Improves renewable energy use
WattTime	Tracks carbon emissions	Helps choose cleaner energy times



By Mrs. Varsha C Parihar,  
Assistant Professor

# Optimizing Arduino Programming for IoT Devices Using Quantum and AI Techniques

## Abstract

The Internet of Things (IoT) has created unprecedented demand for energy- efficient, intelligent, and scalable embedded systems. Arduino, a widely adopted microcontroller platform, is at the forefront of IoT prototyping and deployment.

However, its limited computational power and memory capacity present challenges in handling complex tasks. This article explores how Quantum- inspired optimization and Artificial Intelligence (AI) can be integrated with Arduino programming to enhance efficiency, decision-making, and real-time performance in IoT devices.

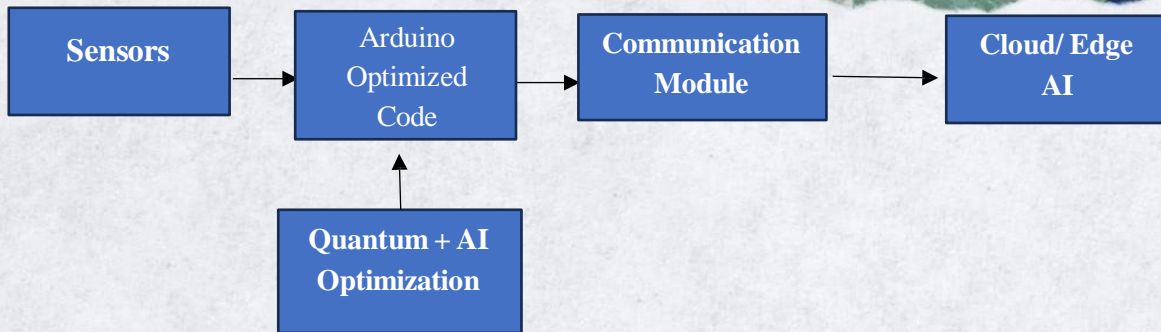
## Introduction

IoT devices rely on microcontrollers like Arduino to collect, process, and transmit data. While Arduino offers flexibility and ease of programming, it faces bottlenecks in energy consumption, code execution speed, and scalability. Recent advancements in AI algorithms and Quantum Computing principles provide novel optimization strategies to overcome these limitations.

## Arduino IoT System Architecture

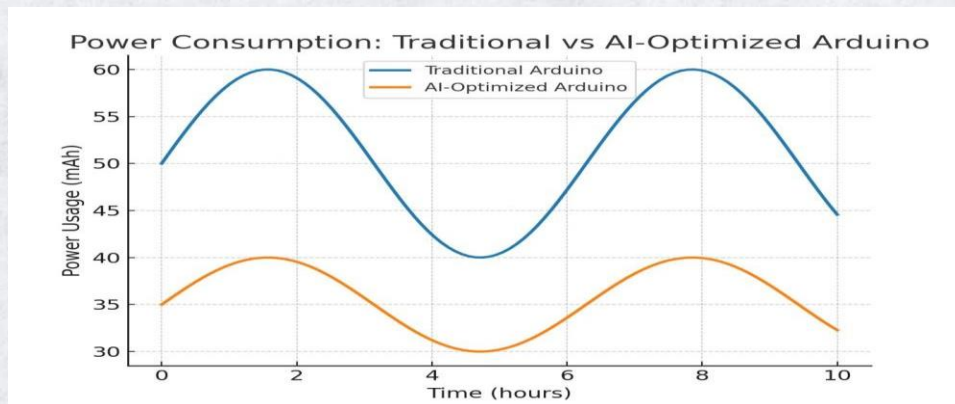
An Arduino-based IoT system consists of four primary layers: Sensors/Actuators, Arduino Microcontroller, Communication Module, and AI-Quantum Optimization layer. This structure enables efficient sensing, data processing, and decision- making.

## Arduino IoT with Quantum AI Optimization



### AI Techniques for Arduino Optimization

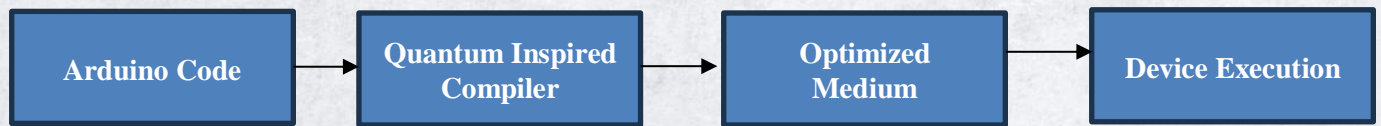
AI enables IoT devices to adapt and make intelligent decisions. Reinforcement learning dynamically optimizes task scheduling, neural network compression allows TinyML deployment on Arduino, and predictive analytics reduces redundant computations. These approaches help save power and extend device lifetime.



### Quantum-Inspired Optimization:

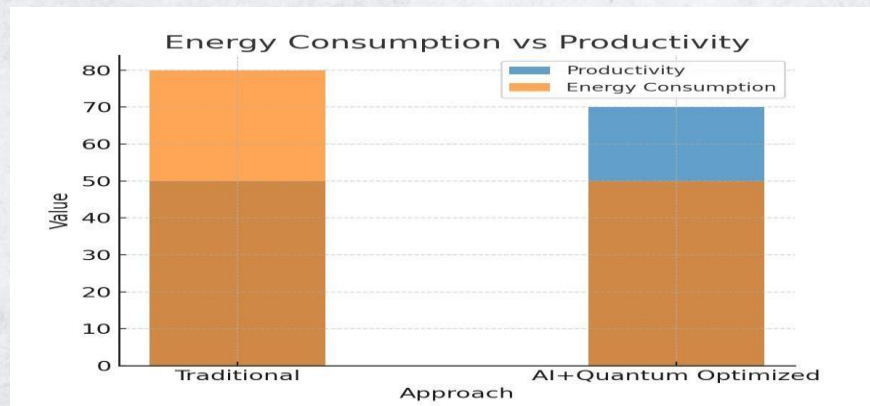
Quantum principles can be adapted to embedded systems even without quantum hardware. Quantum annealing reduces control loop complexity, quantum genetic algorithms improve sensor scheduling, and quantum random number generators enhance IoT security. These techniques ensure better efficiency and reliability.

## Quantum Optimization Layer



### Case Study: Smart Agriculture Node

In smart agriculture, Arduino is used to monitor soil moisture and control irrigation. A traditional node checks sensors at fixed intervals, leading to wasted energy. With AI and quantum optimization, the node predicts irrigation needs and reduces unnecessary computations, resulting in up to 40% energy savings with improved productivity.



## Conclusion

By combining AI-driven decision-making with quantum-inspired optimization, Arduino-based IoT systems achieve greater efficiency, scalability, and intelligence. This hybrid approach paves the way for next-generation IoT ecosystems with applications in healthcare, agriculture, smart cities, and industrial automation.



By Mrs. Vindhya Ramachandran  
Assistant Professor



# INFORMATION SCIENCE ENGINEERING

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"Bytes of Brilliance: Weaving Insights from  
Information. "

# DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



**Dr.Kishore G R**  
Head of the department

## VISION

To be a department for excellence in education in information science and engineering, research, innovation and work towards empowering students for professional competence and entrepreneurial skills.

## MISSION

M1: To provide state-of-the-art infrastructure with modern and innovative teaching methodologies.

M2: To encourage and nurture collaborative and interdisciplinary projects that aid academic and industrial research.

M3: To promote activities that helps our students inculcate ethical practices and entrepreneurial skills.

## From the Hod's desk

Information drives today's world, and ISE empowers students to manage, analyze, and secure it effectively. By blending technology with critical thinking, it prepares professionals to innovate while preserving creativity.

## TEACHING FACULTY

NAME	DESIGNATION
<b>Dr Kishore G R</b>	Professor and Head
<b>Dr Divaker Harekal</b>	Professor
<b>Dr. Abhishek Kulkarni</b>	Associate Professor
<b>Mrs. Rashmi K S</b>	Assistant Professor
<b>Mrs. Nandini D</b>	Assistant Professor
<b>Ms. Rakshatha S</b>	Assistant Professor
<b>Mr. Manjesh B N</b>	Assistant Professor
<b>Mr. Avinash N Rao</b>	Assistant Professor
<b>Ms. Shilpa Narayan</b>	Assistant Professor
<b>Mr. Mukesh Kamath Bola</b>	Assistant Professor
<b>Mr. G S Hiremath</b>	Assistant Professor

## NON-TEACHING FACULTY

NAME	DESIGNATION
Mr. Rahul N	Instructor
Mr. Abhishek G S	Programmer
Mr. Naveen Kumar P R	SDC
Mr. Sunila V	Programmer
Mrs. Divya S	Instructor
Mr. Shashikiran K S	Instructor
Mr. Chirag Singh L	Instructor
Ms. Meghana C M	Instructor

## DEPARTMENT OF ADVISORY BOARD

<b>NAME</b>	<b>DESIGNATION</b>
Dr. Dinesh R	Principal Engineer, Samsung Electro Mechanics
Dr. R Balakrishna	Professor, CSE Dept. Rajarajeshwari College of Engineering
Dr. S. Balaji	Professor, CSE Dept., JIT
Dr Kishore G R	Professor and Head, Department of ISE, JIT

## BEST OUTGOING STUDENTS

**Vandana K H** and **Varshitha D** were honored with the prestigious silver ring, being recognized as the Best Outgoing Students of the department.

### VANDANA K H



### VARSHITHA D



SEMESTER	GPA
<b>I</b>	<b>8.47</b>
<b>II</b>	<b>8.1</b>
<b>III</b>	<b>8.97</b>
<b>IV</b>	<b>8.81</b>
<b>V</b>	<b>8.55</b>
<b>VI</b>	<b>9.14</b>
<b>VII</b>	<b>8.58</b>
<b>VIII</b>	<b>9.65</b>

SEMESTER	GPA
<b>I</b>	<b>7.67</b>
<b>II</b>	<b>8.01</b>
<b>III</b>	<b>7.81</b>
<b>IV</b>	<b>7.51</b>
<b>V</b>	<b>8.01</b>
<b>VI</b>	<b>8.28</b>
<b>VII</b>	<b>7.77</b>
<b>VIII</b>	<b>9.47</b>

## BRANCH TOPPERS

**B S Shreesha** and **Vandana K H** were recognized as the Branch Toppers of the Department of ISE for their outstanding academic performance.

### B S SHREESHA

SEMESTER	GPA
<b>I</b>	<b>7.65</b>
<b>II</b>	<b>7.82</b>
<b>III</b>	<b>8.7</b>
<b>IV</b>	<b>8.6</b>
<b>V</b>	<b>8.88</b>
<b>VI</b>	<b>8.91</b>
<b>VII</b>	<b>8.74</b>
<b>VIII</b>	<b>9.62</b>

### VANDANA K H

SEMESTER	GPA
<b>I</b>	<b>8.47</b>
<b>II</b>	<b>8.1</b>
<b>III</b>	<b>8.97</b>
<b>IV</b>	<b>8.81</b>
<b>V</b>	<b>8.55</b>
<b>VI</b>	<b>9.14</b>
<b>VII</b>	<b>8.58</b>
<b>VIII</b>	<b>9.65</b>

## FACULTY PUBLICATIONS

- **Prof. Nandini D** published a paper titled “Deep Trace: Unravelling Deepfakes through LTSM Analysis” in IJRESM - International Journal of Research in Engineering, Science and Management in the month of April 2024.
- **Dr. Kishore G R** published an article with paper ID “TIJER2403126” titled “Determination of age and gender using dental X-ray: forensic” in TIJER-INTERNATIONAL RESEARCH JOURNAL, Volume 11 Issue 3, March-2024, ISSN: 2349-9249.
- **Mr. Avinash N Rao** published an article with paper ID “TIJER2404082” entitled “BEACH SAND ROVER: Autonomous Wireless Beach Cleaning Rover” in TIJER-INTERNATIONAL RESEARCH JOURNAL, Volume 11, Issue 4, April 2024, ISSN: 2349-9249.
- **Dr. Kishore G R** published an article with paper ID “TIJER2404045” entitled “AI-Driven resume and company screening for Optimized candidate and company selection process” in TIJER- INTERNATIONAL RESEARCH JOURNAL Volume 11, Issue 4, April-2024, ISSN: 2349-9249.
- **Mr. Avinash N Rao** was awarded the certificate of publication for publishing the article with paper ID “TIJER2405102” entitled “Real- Time Multi-Gases Detection and Alert System” in TIJER- INTERNATIONAL RESEARCH JOURNAL Published in Volume 11 Issue 5, May-2024, ISSN: 2349-9249.
- **Mr. Mukesh Kamath** published a paper entitled “Arduino Based Glove for Speech Impaired People Through Sensor Network” in the International Journal of Research and Analytical Reviews (IJRAR), UGC Care Listed, ISSN: 2348-1269.
- **Dr. Kishore G R** published a paper entitled “Classification and Estimation of Crop Yield Prediction in Karnataka using LSTM with Attention Mechanism” in the International Journal of Research and Analytical Reviews (IJRAR), Scopus Indexed, ISSN: 2147-6799.
-

- **Dr. Kishore G R** published a paper entitled “Strategies of Passive Design Buildings in Cold and Arid Climates: A Review” in TIJER – INTERNATIONAL RESEARCH JOURNAL, UGC Care Listed, DOI: 10.1007/978-981-97-0910-6\_5.
- **Dr. Divakar Harekal** published a paper entitled “Advancing Smart Cyber Physical System with Self Adaptive Software” in the International Journal of Research and Analytical Reviews (IJRAR), Scopus Indexed, DOI: <https://doi.org/10.47857/irjms.2024.v05i03.01013>.

## FACULTY CERTIFICATIONS

- **Prof. Nandini D** was awarded a certificate for successfully completing the “Effective Teaching Workshop”, hosted by Distinguished Professor Pankaj Jalote from IIT Delhi on 9th October, 2023.
- **Prof. Rashmi KS** was awarded a certificate for successfully attending the “AI MPOWER” Program offered by ZenteiQ from the 6<sup>th</sup> of November through the 9<sup>th</sup> of December, 2023.
- **Prof. Mukesh Kamath** was awarded a certificate for completing the “Certified ScrumMaster (CSM)” on April 28th, 2024, issued by the Scrum Alliance Inc. located in Denver, CO, US.
- **Prof. Rashmi K S** successfully completed the “NSM HPC Systems & AI: From Theory to Practice” course under the CSIR-4PI Skill Development Programme in collaboration with C-DAC from the 4<sup>th</sup> to the 6<sup>th</sup> of July, 2024, and was awarded a certificate of participation and completion for the same.

## STUDENT ACHIEVEMENTS

Sl. No.	Student name	Name of the event	Remarks
1.	Pranav K R Rajesh Kumar K Kushal Kumar B P Sumedha K S	National Level Hackathon-24	Third Prize
2.	Sugosh H V Harshitha B S Harshitha M Sharanya Hande	National Level Project Exhibition- IGNITRON-24	Third Prize
3.	Harshitha B S Harshitha M Sharanya Hande Sugosh H V	Inter College Project Exhibition Avishkar 2024	First Prize

# GAMEATHON 7.0

## A 24-Hour Celebration of Gaming and Creativity

The **7th Annual Gameathon** was held on **December 6–7, 2024**, at Jyothy Institute of Technology, bringing together gamers, developers, and creative minds for an intense **24-hour game development challenge**. Organized by the **ISE Department** with **BitsNBytes**, the event gave students a platform to design, code, and showcase their creativity.

Workshops, mentorship sessions, and guidance from industry experts added great value, while judges evaluated games on creativity, design, and user experience. The event concluded with an **awards ceremony**, but more than prizes, it was the **learning, teamwork, and inspiration** that left a lasting impact.

Gameathon 2024 proved, once again, to be more than a competition—it was an **experience** that sparked innovation and encouraged many to see game development as a career path.



# **BITSNBYTES**

## **Bridging Code and Creativity**

**BitsNBytes**, founded in 2021, is a coding club that bridges theory with practice while fostering skills, creativity, and teamwork.

### **Roles and Responsibilities within the Club:**

**Captain Code** – *Pranav Prasad*

*The visionary lead who steers the club with direction and purpose.*

**F.R.I.D.A.Y** – *D Yashaswini*

*The co-lead, ensuring seamless coordination and innovation across initiatives.*

**J.A.R.V.I.S** – *Srivatsa G, Anirudh Bharadhwaj, Kushal Kumar BP*

*The dynamic trio providing technical backbone, ideas, and execution.*

**Code Siren** – *Shreesha BS, Prajna G, Pranav KR*

*Creative minds who bring charm and innovation to coding endeavours.*

**Napster** – *Vandana S, Sudeepthi Rao, Amogh NK*

*The energetic team that infuses rhythm, enthusiasm, and teamwork into the club.*



## FULL STACK DEVELOPMENT WORKSHOP

The Department of Information Science and Engineering at *Jyothy Institute of Technology* organized a three-day workshop on “**Full Stack Development using Django**” from **11th to 13th February 2025** at the ISE Seminar Hall. Conducted by **Mr. Sivashankar C**, the sessions gave students a strong foundation in front-end and back-end development, with a special focus on Django, a Python-based web framework.

Under the guidance of **Dr. Kishore G R, the Head of Department**, and **Mr. Mukesh K B, Assistant Professor**, the workshop combined theory with **hands-on coding sessions**. Students worked on real-world projects, explored database integration and deployment, and received individual guidance to strengthen their practical skills.

The workshop concluded successfully, equipping participants with valuable insights and confidence to explore the world of full stack development.



## INDUSTRIAL VISIT

### ISE Industrial Visit: Master Control Facility (MCF), Hassan

On **June 28, 2024**, 4th-semester ISE students visited **ISRO's Master Control Facility (MCF), Hassan**, gaining valuable insights into **satellite technology and space operations**. The visit began with a session on the fundamentals of satellites—their functions, orbits, and applications. A guided tour followed, where students saw how **satellite images are analysed for weather forecasting**, showcasing the powerful link between technology and science. The visit was both **educational and inspiring**, deepening students' appreciation for ISRO's contributions to space technology.



## PROJECT DETAILS

SL.NO	STUDENT NAME	PROJECT TITLE	AWARDS/FUN DS RECEIVED
1.	Ujwal S.C Rakshith Tarun S Deepak R. P Mithun R	Beach Sand Rover	Won a sanctioned amount of 5,000 from KSCST.
2.	Swaroop B N Sriram B S Nishan N Harsha S	Redefining Mobility: Deep Learning Assisted Obstacle Detection.	Won a sanctioned amount of 5,000 from KSCST.
3.	Nireeksha N Shalini H	Real Time Multi Gases Detection and Alert System	Won a sanctioned amount of 4,000 from KSCST.

## **NPTEL COURSES**

1. Hariharan Radhakrishnan- Programming in Java
2. Arun Kumar R Lingadal- Joy of computing using python
3. Bandana Rajnandini Tikmani- Cyber security and privacy
4. Rithu N D- Data engineering using Azure
5. B S Shreeshha- Computer Vision using Azure

## **MOOC DETAILS**

1. Ritu ND- Introduction to Data Analysis using MSEXCEL
2. Sumedha K S- Python Programming
3. Srivatsa G- Java Programming
4. Prerana- Java Scripts
5. Lalitha R Deshpande- Machine Learning, Cloud Computing for IOT Systems



# ELECTRONICS AND COMMUNICATION

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**"Circuits of Possibility, Signals of Discovery: Navigating the Electronic Cosmos."**

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



**Dr. CHANDRASEKHARK K**  
**Professor & Head**

## **Vision**

To be a department of excellence at a global level in Electronics and Communication Engineering education, incorporating Research & Innovation and leadership training components.

## **Mission**

**M1:** Strive to provide state of Art infrastructure in classrooms and laboratories.

**M2:** Enable all-round development with individual attention and innovative teaching learning methodology.

**M3:** Impart leadership qualities into the students by exposing them to industry and research in the global

Electronics and Communication Engineering domain.

## **From the Hod's desk**

I am proud to share that the department is growing vibrantly, blending academic excellence with innovation.

Accredited by NBA, the department is expanding strongly across four key verticals: IoT, Networking, Robotics, and Embedded Systems. Our active IEEE student chapter and Signal Processing Society organize technical events and knowledge-sharing sessions throughout the year. With funded projects worth ₹1 crore, we continue to earn the trust of external agencies and industry collaborators. Our achievements include patents, student innovations and impactful publications, alongside active participation in national and international competitions.

With good faculty retention, we emphasize skill development and structured placement assistance through strong industry MOUs to ensure our students are industry-ready and confident. Our well-equipped research and curriculum laboratories provide hands-on experience through live projects, product development, and advanced research. Beyond technical growth, we remain deeply committed to nurturing responsible citizens who serve society with integrity, innovation, and dedication.

I congratulate all faculty members and students for their contributions and extend my best wishes for continued success

## FACULTY LIST

Faculty Name	Designation
Dr. K Chandrasekhar	Professor
Dr. Geetha Priya M	Professor
N. Narasimha Swamy	Visiting Professor
Dr. H B M Ajjaiah	Associate Professor
Dr. Chethana K	Associate Professor
Dr. Asha Bharathi S	Associate Professor
Dr. Hamsa S	Associate Professor
Mr. Chandrashekar B M	Assistant Professor
Mrs. Sumangala Gejje	Assistant Professor
Mr. Nagesh Kumar D N	Assistant Professor
Mr. Madhukar M	Assistant Professor
Mrs. Smita Agarwal	Assistant Professor
Mr. Deepak V Ingale	Assistant Professor
Mrs. Srilakshmi R	Assistant Professor
Mrs. Krithika P J	Assistant Professor
Mr. Shivaraj A	Assistant Professor

Mrs. Nami Susan Kurian	Assistant Professor
Mr. Dayananda LN	Assistant Professor
Dr. Sowmya Padukone G	Assistant Professor
Dr. Prabhin VS	Assistant Professor
Mrs. Shyamala P	Assistant Professor
Mr. Shantiram Nepal	Assistant Professor

### STAFF LIST

Staff Name	Designation
Mr. Goutham C	Foreman
Mrs. Ranjitha Bhat	Senior Instructor
Mr. Prabu S	Senior Instructor
Mrs. Mamatha KH	Senior Instructor
Mrs. Chandana T V	Instructor
Ms. Medha Chowdhary M	Instructor
Mr. Anand V Achar	Instructor
Mrs. Shruthi M	SDC
Mr. Anantaram M	Electrician

## BEST OUTGOING STUDENTS 2025

Abhijay R. Bhat received a distinguished honor during the farewell ceremony held on 25th May 2024, as he was nominated the Best Outgoing Student of the Batch of 2025. In recognition of his outstanding academic achievements and valuable contributions, the institution awarded him the prestigious Silver Ring.



Harith C.M received a prestigious accolade as he was nominated the Best Outgoing Student of the Batch of 2025 during the farewell ceremony held on 25th May 2025. In recognition of his exceptional academic achievements and significant contributions, the institution honored him with the esteemed Silver Ring.

**Suraj**, a 4<sup>th</sup> semester student of the Department of Electronics and Communication Engineering, Jyothy Institute of Technology, was selected by the NCC Bangalore unit for a **mountaineering camp at Pahalgam**. During the training, he underwent rigorous physical fitness drills, mastered rock climbing and snow craft techniques, practiced rescue operations, camping skills, and environmental safety, and successfully completed a **high-altitude expedition**, gaining valuable experience in endurance, survival, and mountaineering ethics.



## TOPPERS OF THE BRANCH

Semester	Name and USN	% and CGPA
4 <sup>th</sup> year	1. Udhayashri KA [1JT21EC081]	85.6 %
	2. Kishore M [1JT21EC01030]	85.5 %
	3. Bhumika NG Nadig [1JT21EC011]	84.9 %
3 <sup>rd</sup> year	1. Vinod Kashyap [1JT22EC118]	85.3 %
	2. Karanam Naveen Kumar [1JT22EC042]	83.4 %
	3. N. Rishitha Choudhary [1JT22EC065]	83.4%
2 <sup>nd</sup> year	1. S Raghav Krishna [1JT23EC091] 784	87.1 %
	2. Amrit S Rajapurohit[1JT23EC012] 769	85.4 %
	3. Shwetha P M [1JT23EC100] 765	85.0 %

## FACULTY PAPER PUBLICATIONS

Faculty Name	Research Article	Indexing	Date of Publish
Dr. Geethapriya M	Chronicles of Glacier Changes of Two Decades in Tons Sub-Basin, West-Central Himalaya, Using Geospatial Techniques. J Indian Soc Remote Sens 53, 1263–1277 (2025). <a href="https://doi.org/10.1007/s12524-024-02106-7">https://doi.org/10.1007/s12524-024-02106-7</a>	Springer Scopus	Jan 2025
	Ice Flow Velocity and Thickness Distribution of Glaciers in Ny-Ålesund, Svalbard, During 2015–2016 Using Landsat-8 Multispectral Images. Computer Vision and Robotics. CVR 2024. Algorithms for Intelligent Systems. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-97-8868-2_32">https://doi.org/10.1007/978-981-97-8868-2_32</a>	Springer Scopus	May 2025

Dr. Chethana K	Design And Prediction Of Temperature-Strain Relationships In Fiber Bragg Grating Sensors Using Machine Learning. <i>J Opt</i> (2025). <a href="https://doi.org/10.1007/s12596-025-02579-w">https://doi.org/10.1007/s12596-025-02579-w</a>	SCI Scopus	Feb 2025
Dr. Chethana K	Chemically Coated Fiber Bragg Grating (FBG) Sensors with Enhanced Thermal Expansion Coefficient in High Temperature Applications, <i>IEEE Sensors Journal</i> , vol. 25, no. 8, pp. 12966-12973, doi: 10.1109/JSEN.2025.3538083	SCI Scopus	April 2025
Dr. Asha Bharathi S and Dr. Hamsa S	Enhancing Glaucoma Diagnosis with CNN Models-A Vision-Centric Approach, <i>2024 2nd International Conference on Emerging Trends in Engineering and Medical Sciences (ICETEMS)</i> , Nagpur, India, 2024, pp. 192-198, doi: 10.1109/ICETEMS64039.2024.10965019.	Scopus	April 2025
Srilakshmi R	Digital Phase-Locked Loops with Backward Euler Approximation for Harmonic Reduction in Solar PV Integration, <i>Smart Grids and Sustainable Energy</i> (2025) 10:57, Springer Nature <a href="https://doi.org/10.1007/s40866-025-00285-x">https://doi.org/10.1007/s40866-025-00285-x</a>	Springer Scopus	July 2025
Smita Agrawal	"An Improved Henon Map Based Encryption Scheme for Secure Image Transmission," <i>2024 IEEE International Conference on Contemporary Computing and Communications (InC4)</i> , Bangalore, India, 2024, pp. 1-6, doi: 10.1109/InC460750.2024.10649235.	Scopus	Sept 2024
Smita Agrawal	A Modified Henon Map Based Image Encryption Framework. <i>SN Computer Science</i> . 6. <a href="https://doi.org/10.1007/s42979-025-04216-6">10.1007/s42979-025-04216-6</a> .	Springer Scopus	July 2025

Dr. Sowmya Padukone G	IoT-Integrated Wireless Sensor Networks For Smart Environments. <i>African Journal of Biomedical Research</i> . 52-57. <a href="https://doi.org/10.53555/AJBR.v27i4S.3496">10.53555/AJBR.v27i4S.3496</a> .	Scopus	Nov 2024
Dr. Sowmya Padukone G	Innovations in Neonatal Surgical Engineering. <i>Journal of Neonatal Surgery</i> . 14. 670-679. <a href="https://doi.org/10.52783/jns.v14.2468">10.52783/jns.v14.2468</a> .	Scopus	Mar 2025
Dayananda L N	Enhancing Critical Thinking Through Problem-Based Learning: A Comprehensive Approach to Modern Education, <i>Fostering Teacher Skills and Critical Thinking in Modern Education</i> , IGI Global, pp 259-282, doi: 10.4018/979-8-3373-1692-5.ch011	Scopus (Book Chapter)	Dec 2024

Nami Susan Kurian	Smart Health Assistant for Dysphagia and Stroke: A Novel Machine Learning-Infused Solution, Nanotechnology Perceptions, Vol.20, Issue 14 (2024), doi: 10.62441/nano-ntp.vi.3659	Scopus	Sept 2024
Dr. Sowmya Padukone G	Optimizing Wind Energy Integration for Sustainable Industrial Applications, Accent Journal of Economics Ecology and Engineering, Vol 9, Sp. Is 5, pp 1-7, 2024	UGC-approved UGC No. 48767)	Sept 2024
Dr. Sowmya Padukone G	The role of drones & Robots in sustainable agriculture practices, Recent advances in Science, Engineering Technology and Management	(Book Chapter)	ug 2025

### PROJECTS SANCTIONED UNDER KSCST

Guide Name	Students Name	Project Title	Year of Sanction	Total Amount Sanctioned and utilized during current year
Dr. Sowmya Padukone G	Sriganesh S Shankarshana V Srikanth S Vijay Krishna MP	Process automation in pharmaceutical industries	2024	4500
Ms. Sumangala Gejje	Y Mallikarjuna Madhav Vinutha B T Yogitha U K Rakshitha S	Development of a low cost flight controller system using STM32F411CEU6 “BLACK PILL” board and sensor modules with esp32 camera module	2024	4500
Mr. Shivaraj A	Varun HR Tarun Gowda Sumesh M Sapate Manjunatha	Text recovery device revealing hidden information beneath correction fluid	2024	4500

## DEPARTMENT ACTIVITIES



Training Program on EBSCO and IEEE for students of 6<sup>th</sup> semester conducted by Mr. M. S. Srinivasa, Training Manager at EBSCO & IEEE held on March 4, 2025



A Technical talk on The Role of Embedded Systems in the Semiconductor Industry (Challenges, Prospects & Opportunities) for third year students on 24<sup>th</sup> March 2025, delivered by Mr. Padmanaban Kalyanaraman, Software Enabling and Optimization Engineer, Intel PSG (Altera, an Intel Company), Bengaluru



Nivista 2025 - Login Day Celebrations organized on 17<sup>th</sup> April 2025 to welcome new batch to the department concluded with Robothon 2k25 Prelaunch announcing a 24-hour national-level robotics challenge competition

# ROBOTHON 2K25: A CELEBRATION OF INNOVATION AND ROBOTICS

The flagship event of the Department of Electronics and Communication Engineering at Jyothy Institute of Technology, was successfully conducted on May 8<sup>th</sup> and 9<sup>th</sup> 2025, in association with e-Yantra Lab, IIT Bombay, and the IEEE JIT Student Branch. The 24-hour national-level robotics competition brought together 76 enthusiastic teams from across the country, each geared up to innovate, compete, and demonstrate their engineering skills in an intense, hands-on environment. The event kicked off with a grand inauguration ceremony held in the auditorium, graced by eminent personalities including Mr. Sidharth Y Kulkarni, Senior Project Technical Assistant at e-Yantra Lab, IIT Bombay, and Mr. Pradyumna K, DevOps Engineer at Snowpack, France, who also served as the jury for the event.

The theme of Robothon-2k25 challenged participants to design and build an autonomous robot simulating a real-world smart parking system. The robot was expected to navigate a predefined arena, perform reverse parking in randomly assigned slots, and display parking status using seven-segment displays and RGB LEDs all controlled through embedded logic on the Arduino Uno platform. The competition was structured into three evaluation phases, each introducing progressive levels of complexity that tested the teams' ability to integrate hardware, write efficient embedded code, and debug under strict time constraints.

Jurors conducted evaluations across multiple phases assessing functionality, design innovation, and logic implementation. By the time dawn broke, teams were preparing for final submissions and presentations. The event concluded with a formal valedictory ceremony where the top-performing teams were recognized and rewarded for their outstanding work. The winners of Robothon-2k25 were Hawk Eye from New Horizon College of Engineering, Bengaluru, who secured the first place, followed by Unique Integrators from Bangalore Institute of Technology as the first runners-up, and Hustlers 3.1 from GM Institute of Technology, Davanagere, as the second runners-up.





Talk on Real-time bio medical devices delivered by Dr. Preeta Sharan, a renowned researcher in optics and photonics for students of 8<sup>th</sup> semester on 7<sup>th</sup> May 2025



Skill Development Program on STM32 - Module 2 and Module 3, was organized in coordination with Loginware Technologies during the month of April – May 2025 for 2<sup>nd</sup> and 3<sup>rd</sup> year students

An Industry Visit to Southern Electronics Pvt. Ltd., Bangalore, was organized for the final year students on 10<sup>th</sup> May 2025



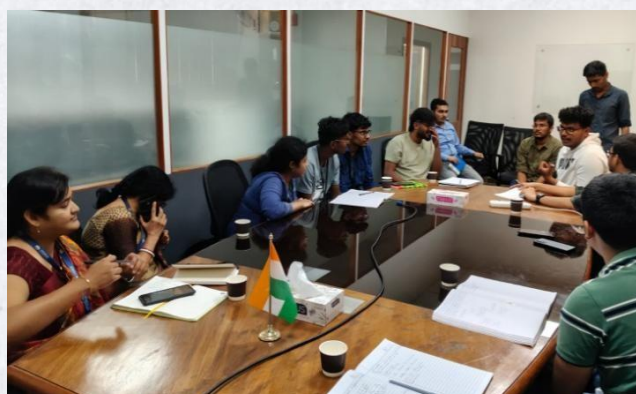
An Industry Visit to Southern Electronics Pvt. Ltd., Bangalore, was organized for the final year students on 10<sup>th</sup> May 2025



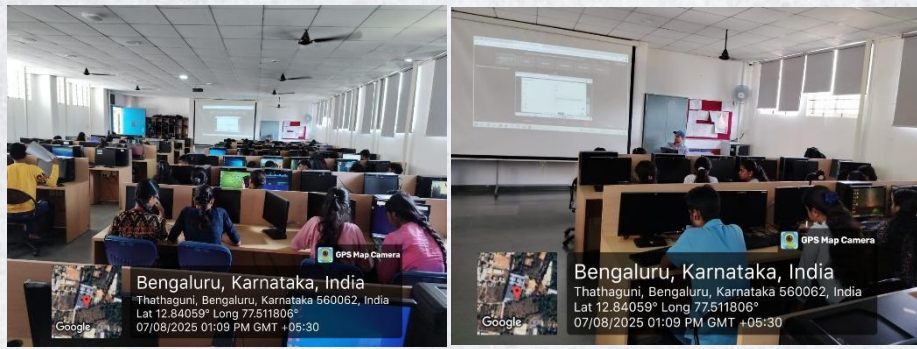
Project Exhibition 2025 was organized on 3<sup>rd</sup> May 2025 having 24 teams presenting solutions with participation of 8 IEEE members and 71 non-IEEE members evaluated by an expert jury panel comprising Dr. Chanda V Reddy, Professor & Head, TCE, KSIT, and Mr. Nagaraj Reddy B, FPGA Embedded Systems Trainer, Entrepreneur

## MOU WITH AIDEN TECHNOLOGIES

The Department of Electronics and Communication Engineering, Jyothy Institute of Technology, signed an MoU with **Aiden Technologies**, a leader in space technology solutions. The collaboration strengthens industry-academia ties through joint research, knowledge exchange, and student-driven innovations in satellite systems and aerospace electronics. Under this partnership, students will receive guidance in developing **industry-relevant projects** with faculty support and gain opportunities to **visit and work directly with the company**, bridging academics with real-world applications.



An MoU was signed with Aiden Technologies Private Limited on 11<sup>th</sup> June 2025 to develop a payload subsystem for a Micro Satellite to encourage interdisciplinary research



Orientation session on **Infosys Springboard** was held on **7th August 2025** for the **7th semester ECE students**, conducted virtually by **Ms. Meenakshi Vyas, Vidyaranya Memorial Trust**.



Students of 4th Semester ECE, Jyothy Institute of Technology, proudly **showcasing their project** at the **VTU-VRIF Expo 2025**, where **JIT was among the selected VTU-affiliated institutions shortlisted** to exhibit on July 10<sup>th</sup> 2025.

## STUDENT ACHIEVEMENTS

**Second Place at Fastest Line Follower Robotics Competition – IISc, Bangalore:** On the occasion of Open Day held on 1st March 2025, five teams from the Department of Electronics and Communication Engineering participated in the Fastest Line Follower Robotics Competition organized by IISc, Bangalore under the banner of IIAD (IISc Interactive and Advanced Demonstrations). Among the 36 participating teams from various institutions, one of our teams, comprising **4th-semester ECE students Sujeeth, Trishul, Sharath Naik, and Mohith**, secured an impressive Second Place. The competition



tested the speed, accuracy and optimization of autonomous robots on a dynamic track, and the team's performance stood out for its precision and consistency. The team was awarded a cash prize of 15,000 and earned a prestigious internship opportunity at IISc, Bangalore, further enriching their academic and practical experience.

**Top 20 Selection and Grant at National Startup Day Pitch Fest – PES University:** Students from the 7th semester, Electronics and Communication Engineering department **Kishore M, Aditya Bharadwaj, and Amogh Bharadwaj** proudly represented the institution at the National Startup Day Pitch Fest, held on January 16, 2025, at PES University, in collaboration with **CoCreate Ventures** and **Krishikalpa**. Out of over 140 applicants from across the country, their startup idea stood out, earning them a place among the top 20 shortlisted teams. This recognition came with a valuable opportunity to receive mentorship and seed funding support from CoCreate Ventures. As part of this support, the team was awarded a **grant of ₹50,000 towards the Proof of Concept (PoC)** development of their innovative idea.



## FACULTY ACHIEVEMENTS



**Dr. Chandrasekhar K**, Professor and Head, department of Electronics and Communication Engineering, served as **Convener** for the **IEEE International Conference on Computing Technologies (ICOCT 2025)**. He also serves as a **reviewer for several Scopus-indexed conferences and reputed journals**.

**Dr. Geetha Priya M**, Professor, Department of Electronics and Communication Engineering, has participated in the **Indian Scientific Expedition to Antarctica (ISEA) Debriefing Programme** at NCPOR, Goa, and the **Third Pole Climate Forum & RCC-Network Task Team Meeting** organized by MoES, New Delhi. She was also invited as a **panel speaker** at the **World Summit on Disaster Management (WSDM) 2025 Pre-Summit**, Bengaluru, where she spoke on the role of technology in climate and disaster resilience. Further, she delivered a lecture on *“Microwave Remote Sensing in Cryosphere”* at the **National Training Course on Glacier Studies and Remote Sensing**, organized by the **Divecha Centre for Climate Change, IISc Bengaluru**, highlighting her role in capacity-building for young researchers.



**Dr. Asha Bharathi S**, Associate Professor, IEEE Branch Counsellor, department of Electronics and Communication Engineering has served as **Conference Coordinator** for the IEEE International Conference on Computing Technologies (ICOCT 2025). She is a **reviewer for several Scopus-indexed conferences and reputed journals**. Beyond academics, she contributed to holistic well-being by facilitating as a **Yoga Instructor** during the International Yoga Day session on 21st June 2025.

**Dr. Hamsa S**, Associate Professor in the Department of Electronics and Communication Engineering, has served as **Session Chair** at the International Conference on Computing Technologies (**ICOCT 2025**), organized by Jyothy Institute of Technology, and as **Conference Chair** at the International Conference on Innovations in Materials Science, Technology, Engineering and Management for Sustainable Development (**IMSTEM 2025**), organized by St. Joseph's College of Engineering, Chennai.



**Nami Susan Kurian** Assistant Professor, department of electronics and communication engineering, was honored with the **IEI Young Engineers Award** at the *39th National Convention of Electronics and Telecommunication Engineers*, organized by the Institution of Engineers at Rourkela on **14<sup>th</sup> and 15<sup>th</sup> February 2025**. She is also the author of the book *“Introduction to Internet of Things”*, published by Rudra Publications and available on Amazon.

**Dayananda L. N**, Assistant Professor, Department of Electronics and Communication Engineering, was invited as a **Resource Person** for a **two-day workshop on “Exploring EM Waves: Antenna and RF”**, held on **10th and 11th March 2025** at **Vidya Vikas Institute of Engineering and Technology, Mysore**. He delivered expert sessions on advanced concepts of electromagnetic waves, antenna design, and RF applications, providing valuable insights to students and faculty participants. He is a **reviewer for several Scopus-indexed conferences and journals**.



**Shivaraj A**, Assistant Professor, Department of Electronics and Communication Engineering, received a **Certificate of Appreciation** as an **NPTEL BELIEVER** (Jan–Apr 2025) and was felicitated at **IIT Madras** during the **NPTEL Star Felicitation Ceremony** for his outstanding certifications in NPTEL courses.

## PAID INTERNSHIPS

Sl.No	Student Name	USN	Company	Stipend
<b>2021-25 Batch for AY 2024-25</b>				
1	Abhijay R Bhat	JT21EC002	Kaptronics Pvt. Ltd.	7,500
2	Bhumika NG Nadig	JT21EC011	Kaptronics Pvt. Ltd.	7,500
3	Chandan Yadav GA	JT21EC013	Aidin Technologies Pvt. Ltd.	19,000
4	GR Pradyumna Maiya	JT21EC019	Tessolve Semiconductor Pvt. Ltd.	15,000
5	Gahana U Shetty	JT21EC021	SNinfo Systems	5,000
6	Harith CM	JT21EC024	Kaptronics Pvt. Ltd.	7,500
7	Kishore M	JT21EC030	Skyben	5,000
8	Kowshik B	JT21EC031	Messan Labs	7,500
9	Madhava KS	JT21EC034	Pcube Tech Solutions	8,000
10	Mahesh M	JT21EC035	Skyben	5,000
11	Navya BS	JT21EC042	Konigtronics Pvt. Ltd.	10,511
12	Prajwal S	JT21EC050	Konigtronics Pvt. Ltd.	10,511
13	Prashanth B	JT21EC051	Aidin Technologies Pvt. Ltd.	19,000
14	Pravalika K	JT21EC052	SNinfo Systems	5,000
15	Rishyanth SM	JT21EC058	Gosmart Technology Pvt. Ltd.	6,000
16	Rohith P	JT21EC059	Confident Electronics Pvt. Ltd.	3,500
17	Sai Keerthana C	JT21EC064	Aidin Technologies Pvt. Ltd.	19,000
18	Sai Priyanka AM	JT21EC065	Connect and Heal Pvt. Ltd.	18,000
19.	Sanjay KU	JT21EC066	Vihaan Enterprises	5,000
20.	Sharmada Udupa	JT21EC068	Datasol	10,000
21.	Srisumukh NB	JT21EC075	Kaptronics Pvt Ltd.	7,500
22.	Subhash B	JT21EC077	Rooman Technologies Pvt. Ltd.	7,500
23.	Suprith S	JT21EC079	Priya Supply chain Solutions Pvt. Ltd.	8,000
24.	Udith Kumar AK	JT21EC082	Tessolve Semiconductor Pvt. Ltd.	15,000
25.	Amogh Bharadwaj	JT21EC098	Skyben	5,000
26.	Aditya Bharadwaj	JT21EC099	Skyben	5,000

27.	Meghana	JT21EC403	That other Agency	10,000
<b>2022-26 Batch for AY 2025-26</b>				
1.	Anagha R	JT22EC006	TIF Labs Pvt Ltd	13,000
2.	Chirag Gowda V	JT22EC021	Holtek Semiconductor India Pvt. Ltd.	15,000
3.	Chitraaksh C A	JT22EC022	TIF Labs Pvt. Ltd.	13,000
4.	Dhathri R Kashyap	JT22EC026	TIF Labs Pvt. Ltd.	13,000
5.	Indushree H R	JT22EC037	TIF Labs Pvt. Ltd.	13,000
6.	Sudhesh G Kote	JT22EC098	Pranavation Pvt. Ltd.	15,000
7.	Vaishnavi S Kamath	JT22EC111	Boeing India Pvt. Ltd.	32,000
8.	Vinod Kashyap S	JT22EC118	Holtek Semiconductor India Pvt. Ltd.	15,000

## STUDENT PUBLICATIONS

Students' Name	Research Article	Date of Publish
Srilakshmi R, Saharsha R, K Harshitha Saraswathi, R Sumukh Aryan, Sai Eshwar V R	Smart pathways for Ambulance, IRJMETS, Vol 7, Iss 4 doi:10.56726/IRJMETS74881	May 2025
Dayananda L N, Kiran Kumar M , Nikhil R Shetty, Manoj Benachina Maradi, Chidambar V G	Portable Non – Invasive Device for ECG and EMG Monitoring, IJSREM, Vol 9, Iss 5, doi: 10.55041/IJSREM48910	May 2025
Dr.Sowmya Padukone.G, Sriganesh.S, Vijay Krishna M.P, Srikanth.S, Shankarshana,V	1st International Conference on Strategies for Business Success in the Modern World - Proceedings	April 2025
Dr. Asha Bharathi S, Nikshitha S, Navya P Vernekar	Enhancing Glaucoma Diagnosis with CNN Models-A Vision- Centric Approach, 2024 2nd International Conference on Emerging Trends in Engineering and Medical Sciences (ICETEMS), Nagpur, India, 2024, pp. 192-198, doi: 10.1109/ICETEMS64039.2024.10965019.	April 2025

## PATENTS

<b>Inventors</b>	<b>Title of Innovation</b>	<b>Patent Number</b>	<b>Date and Status Filed/ Published/ Granted</b>
Dr. Asha Bharathi S	5G Integrated Wearable Communication Device	448489-001	15/05/2025 Published
Dr. Asha Bharathi S Dr, Hamsa S	IOT Based Air Pollution Monitoring Device	4316282-001	23/01/2025 Published
Dr.V.S.Prabhin	AI-Driven Quantum Algorithms for Real-Time Predictive Traffic Management in Smart Cities	02541015742	07/03/2025 Published
Dayananda L N	AI Enabled Device for Detection of Neurological Disorder	456621-001	25/4/2025 Published



# ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

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**" Mind and Machine Entwined: Pioneering the AI  
revolution."**

# DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING



**Dr. MADHU B R**  
**Professor and Head**

## **Vision:**

To transform students into responsible citizens and competent professionals by creating an environment conducive to disseminate the knowledge in the area of Artificial Intelligence and Machine Learning.

## **Mission:**

M1: To provide an environment suitable to innovation, creativity and team-spirit.

M2: To practice and promote high standards of professional ethics and transparency.

M3: To impart quality education to the students and promote research in the field of Artificial Intelligence and Machine Learning.

M4: To create professionals with leadership qualities to provide sustainable solutions to address global problems.

## **From the Hod's Desk**

In a short span, the impact of AI has changed the world a lot by coming up with a tool for almost every purpose. AI tools are revolutionizing the art of writing the code, testing & deployment too. At the same time, it has created worries and agony too. Companies are reducing the need for entry level engineers. Graduates are struggling to land interviews and jobs. Employers are searching for talent beyond just coding skills. In this context, the big question which arises in the minds of graduates is “what next”?

Well, the best possible answer to that might be that the graduates should become more adaptable, which is more important than ever. They should boost their competitiveness, acquire and exhibit the skills to solve real-world problems. Engineers are meant to solve problems. They should also focus on improving communication skills & collaboration. **It is very important to work alongside AI, not against AI. When the landscape changes, those who evolve with it will find new ways to thrive.**

**TEACHING AND NON-TEACHING STAFF**

NAME	DESIGNATION
<b>Teaching Staff</b>	
Dr. Madhu B. R.	Professor and Head
Dr. Manjunath H. R.	Associate Professor
Dr. Soumya K. N.	Assistant Professor
Mr. Vinod Kumar S.	Assistant Professor
Mr. Praveen R.	Assistant Professor
Mrs. Archana V. R.	Assistant Professor
Mr. Arjun G S.	Assistant Professor
Mr. Harsha H.S.	Assistant Professor
Mr. Vamshi M. Jois.	Assistant Professor
<b>Non – Teaching Staff</b>	
Mrs. Pooja R.	SDC

**BRANCH TOPPERS – 2025**

Semester	Name and USN	CGPA
8 <sup>th</sup>	1. SRIRAKSHA S [1JT21AI050]	97 %
	2. YUVARAJ S [1JT21AI056]	97 %
	3. JAHNAVIP [1JT21AI017]	96 %
6 <sup>th</sup>	1. S YASHASWINI [1JT22AI040]	90.7 %
	2. MONISHA S P [1JT22AI030]	89.7 %
	3. SUDARSHAN D J [1JT22AI047]	89.6 %
4 <sup>th</sup>	1. KAMBAM DIKSHA [1JT23AI020]	86.8 %
	2. MAANYA B S [1JT23AI030]	87.4 %
	3. UNIL J [1JT23AI054]	88.0 %

## FACULTY PUBLICATIONS

- **Dr. Madhu B R** published a paper titled "An improved Henon Map Based Encryption scheme for secure image Transmission" in the Journal of Image Processing and Communications, Volume 06, Issue:15/03/2024.
- **Dr. Manjunath H R** published a paper titled "Retinal Image Analysis for Cardiovascular Risk Prediction: A Deep Learning Perspective" in the Journal name: International Journal for Multidisciplinary Research Volume 06, Issue:03/2024, pp. 3-6 E-ISSN: 2582-2160.
- **Mrs. Archana V R** published a paper titled "Price probe e-commerce Platforms using ML" in the Journal name: E-Commerce Platforms Using Machine Learning, Volume 06, Issue 20/05/2024, pp. 3-10 E-ISSN: 2582-2160.
- **Mrs. Archana V R** also published a paper titled "Complementary fashion recommendation using N compatible modeling" in the Journal name: International Journal for Multidisciplinary Research Volume 06, Issue:23/05/2024, pp. 3-7 E-ISSN: 2582-2160.
- **Mr. Vinod Kumar S** published a paper titled "Strategic inventory management & recommendation using ML" in Journal name: International Journal of Creative Research Thoughts Volume 12, Issue 4 April 2024, pp. 1-4.
- **Mr. Vinod Kumar S** also published a paper titled "Exploring Machine learning models for coral reef classification from images" in the Journal name: Exploring Machine learning models for coral reef classification from images Volume 12, Issue 5 May-2024, E-ISSN: 2349-5162.
- **Mrs. Ramya B N, BanuShree T, Greeshma P M, Pallavi K G, and Pranitha T Manur** co-authored a paper titled "A multilingual model for text generation of visuals" in the journal A multilingual model for text generation of visuals, Volume 12, Issue 20/05/2024.

## FACULTY ACHIEVEMENTS

### Achievement in Table Tennis: Dr. Madhu B R shines at International Tournament



We are proud to announce that our esteemed Head of Department, Dr. Madhu B R, has achieved a remarkable milestone by securing the first prize in the International Staff Tournament held at PES University. Dr. Madhu's outstanding performance in table tennis exemplifies dedication, skill, and sportsmanship, bringing honor not only to our department but also to the entire institution. This victory is a testament to his unwavering commitment to excellence, both on and off the field. Congratulations, Dr. Madhu B R, on this well-deserved accolade!

## EVENTS PHOTO GALLERY





## FACULTY ARTICLE

### Poem on Lord Vinayaka

Ganesha, lord of all good things,  
To whom every prayer soars and sings.  
With elephant head and gentle gaze,  
You clear the path through life's long maze.

A broken tusk, a story told,  
A heart of wisdom, brave and bold.  
You write the epic, ancient, vast,  
A timeless tale that's meant to last.

Your mount, a mouse, so small and quick,  
A lesson taught with every trick.  
That strength and wisdom do not need  
A form of might, but a humble creed.

You hold the modak, sweet and round,  
Where all the world's delights are found.  
We bow to you, our guiding light,  
And pray you bless our day and night.

**Mr. Vinod Kumar S (Assistant Professor)**



# CIVIL ENGINEERING

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**“Concrete Visions, Steel Ambitions:  
Constructing Tomorrow’s Civilization.”**

# DEPARTMENT OF CIVIL ENGINEERING



**Dr. SREEKESHAVA K S**  
Associate Professor & Head

## From the Hod's Desk:

Civil Engineering is one of the oldest yet most dynamic branches of engineering, addressing structural, geotechnical, environmental, and construction management challenges with a focus on sustainability. Our department, accredited by the NBA up to 2027, offers a strong platform for academic and professional growth. With state-of-the-art laboratories, smart classrooms, and advanced software tools, we ensure students receive hands-on and industry-relevant learning. Faculty members, with rich academic and research expertise, are actively engaged in consultancy, funded projects, and collaborations with premier institutes. Their contributions through publications, conferences and books enhance both teaching and research. The department has been recognized with the ICI Outstanding Student Chapter (South Zone) award, reflecting the commitment of our faculty and students. Our students consistently excel in state and national-level competitions, highlighting their talent on multiple platforms. The department organises technical workshops, industrial visits and paper presentations to encourage students knowledge about the field of civil engineering. With the addition of the M. Tech program in Structural Engineering, we continue to strengthen our industry-academia connect. United by dedicated faculty, enthusiastic students and strong industry partnerships, the department remains committed to excellence in civil engineering education and research.

## VISION

To be a global centre of excellence in imparting quality education in all frontiers of civil engineering for the development of the society

## MISSION

**M1:** To educate students in the field of civil engineering by adopting best teaching learning processes with state of-the-art facilities and infrastructure

**M2:** To encourage students to contribute to the development of the society by pursuing a promising career in industry by making them employable with the necessary soft skills and leadership qualities.

**M3:** To encourage students to pursue higher studies and carry out R&D in various areas of civil engineering

## TEACHING FACULTY LIST

Faculty Name	Designation	Qualification
Dr. Sreekeshava K S	Associate Professor & Head	M. Tech, Ph.D.
Dr. B V V Subramanya	Professor (IISc)	M.E, Ph.D.
Dr. B K Raghu Prasad	Professor (IISc)	M. Tech, Ph.D.
Dr. Chandre Gowda C	Professor	M. Tech, Ph.D.
Dr. B N Skanda Kumar	Associate Professor	M. Tech, Ph.D.
Dr. Gayathri G	Associate Professor	M. Tech, Ph.D.
Mr. Ganesh C R	Assistant Professor	M. Tech, (Ph.D.)
Mr. Y R Suresh	Assistant Professor	M. E, M. Tech
Dr. M T Maruthesha Reddy	Assistant Professor	M. Tech, Ph.D.
Mrs. Bhargavi C	Assistant Professor	M. Tech, (Ph.D.)
Mr. Nithish S Ambale	Assistant Professor	M. Tech
Mr. Pavan Kumar V	Assistant Professor	M. Tech

## NON-TEACHING FACULTY LIST

Faculty Name	Designation	Qualification
Mr. Vinoth P	Foreman	B. E
Mr. Naveen D Naik	Senior Instructor	B. E

## DEPARTMENT ADVISORY BOARD

Faculty Name	Designation
Dr. Sreevalsa Kolathayar	Associate Professor, Department of Civil Engineering National Institute of Technology Karnataka, Surathkal.
Dr. S Kumar	Technical Manager, Bureau Veritas, Bangalore.
Dr. A S Arunkumar	Professor, Department of Civil Engineering, BMS College of Engineering, Basavanagudi, Bangalore.
Dr. Sreekeshava K S	Associate Professor & Head, Department of Civil Engineering, Bangalore.

## Best Outgoing Student



BALAJI T (1JT22CV403)



SHIVA B (1JT22CV420)

## VTU RANK HOLDER



## Toppers of the Semester

Semester	Name and USN	%
8 <sup>th</sup>	1. Shiva B [1JT22CV420]	98.0 %
	2. Balaji T [1JT22CV403] and Mangala Balaji N [1JT22CV411]	97.25 %
	3. Annapurna R [1JT21CV002]	97.0 %
6 <sup>th</sup>	1. Vismaya M [1JT22CV011]	88.8 %
	2. Sindhu S [1JT22CV007]	86.4 %
	3. Bharath R [1JT23CV402]	85.6 %
4 <sup>th</sup>	1. Rakshitha G [1JT23CV012]	87.1 %
	2. Chirag K A [1JT23CV003]	77.11 %
	3. Pallavi B [1JT23CV010]	72.56 %

## Student Achievement



Students from the Department of Civil Engineering, Jyothy Institute of Technology, secured the **Runners-Up** position at **Concrete Fair 2024 – Avinya**, hosted by R.V. College of Engineering (RVCE) on December 19<sup>th</sup> and 20<sup>th</sup> 2024.

They won **1<sup>st</sup> Prizes** in three key events:

*Con. Cad (AutoCAD)* – Antharya N Shetty (1JT22CV401)

*Con. Figure* – Antharya N Shetty (1JT22CV401), Ranjith Kumar Y (1JT22CV417), Mangala Balaji N (1JT22CV411)

*Con. Voke (Concrete Mix Design)* – Kavya M (1JT22CV409), Darshan C R (1JT22CV406), Yuvaraj B Y (1JT22CV422), Shrusti H S (1JT21CV004)



Students from the Department of Civil Engineering, Jyothy Institute of Technology, emerged as **Winners** at the *Civil Hackathon 2024* held at **K.S. School of Engineering and Management (KSSEM)** on **December 14, 2024**. They clinched top positions in:

- **Technical Quiz** – Balaji T (1JT22CV403), Anusha S (1JT22CV402), Mangala Balaji N (1JT22CV411)
- **Slump Precision** – Balaji T (1JT22CV403), Anusha S (1JT22CV402)

Balaji T (1JT22CV403) and Chandra Nayak (1JT23CV404) of Civil Engineering Department have secured **1<sup>st</sup> Place** in the **Poster Presentation** Competition at National Level Technical Symposium held at CIT, Gubbi on 25<sup>th</sup> April 2025.



Shiva B (1JT22CV420) and Lokesh R (1JT22CV410), final year students of the Department bagged the **1<sup>st</sup> Place** in the Popsicle Stick Catapult Competition at **Survekshan 2025** held at Nitte Meenakshi Institute of Technology on 29<sup>th</sup> April 2025.



B Shashank Rathod (1JT23CV001), Chirag K A (1JT23CV003), H A Nandakishore (1JT23CV004), Harsha M (1JT23CV005) and Shreenivas Gaddi (1JT24CV416) 2<sup>nd</sup> year students of Civil Engineering Department secured **3<sup>rd</sup> place** in **Treasure Hunt** Competition at Survekshan 2025 held at Nitte Meenakshi Institute of Technology on 29<sup>th</sup> April 2025.



Sindhu S (1JT22CV007) and Sushma U (1JT22CV010), 3<sup>rd</sup> year students of Civil Engineering Department secured **1<sup>st</sup> Place** in **SPANIT** competition in Construct-a-thon held at Presidency University on May 7<sup>th</sup> 2025.



Ranjith Kumar Y (1JT22CV417) and Balaji T (1JT22CV403) secured **3<sup>rd</sup> Place** in the **Poster Presentation** competition in Construct-a-thon held at Presidency University on May 7<sup>th</sup> 2025.



Balaji T (1JT22CV403) and Chandra Nayak (1JT23CV404) secured **First Place** in the **Quiz** competition at NIRMAN 2025, conducted by MIT Mysore on 21st and 22nd May 2025.



Student team from Department of Civil Engineering consisting of Kavya M (1JT22CV409), Shruti S (1JT21CV004), Darshan C R (1JT22CV406), and Prajwal N (1JT22CV416) earned **Second Place** in the **Structural Smackdown (Model Making)**, at NIRMAAN-UTSAVA 2025, conducted by MIT Mysore on 21st and 22nd May 2025.





Vismaya M (1JT22CV011), Dinesh Babu Yadav D (1JT22CV002) and Manoj C (1JT23CV410) have won the **Second Place** in the **Project Exhibition** competition for their project titled “Bamboo-coir based panels as sustainable alternative to wood- based construction materials” at **SRISHTI – 2025** held at Acharya Institute of Technology, Bengaluru from 23<sup>rd</sup> May to 25<sup>th</sup> May 2025.

Sindhu S (1JT22CV007), Sushma U (1JT22CV010), Surya S (1JT22CV009) and Chandan S (1JT23CV403) have won the **Consolation Prize** for their project titled “Design and development of nano silica and undigested ash based on Geopolymer concrete” at **SRISHTI – 2025** held at Acharya Institute of Technology, Bengaluru from 23<sup>rd</sup> May to 25<sup>th</sup> May 2025.



Kiran Kumar M (1JT23CV408), Prajwal N (1JT22CV416), Manoj C (1JT23CV410) and Bhairesh K (1JT23CV401) have secured **Second Place** in **Bridge-It** competition at **SRISHTI – 2025** held at Acharya Institute of Technology, Bengaluru from 23<sup>rd</sup> May to 25<sup>th</sup> May 2025.

### **JIT BAGGED THE RUNNERS UP TROPHY**



Aamir Mushtaq Wani (1JT23CV400), 3<sup>rd</sup> year student of our department has qualified from **South Zone** for the **Zonal Final** in **Ultra Tech India Next STIMULUS – 2025** an exclusively designed quiz for Civil Engineering Students to encourage them to look beyond their textual knowledge and establish a relationship between theory and application of the learnt concepts.



## Student NPTEL Certification

Sl. No.	Student Name	USN	Course Enrolled Details	Duration of the Course in Weeks	Start Date	End Date	Credit Earned
1.	Avinash A	1JT22CSE01	Subsurface Exploration: Importance and Techniques Involved	8 Weeks	Jul 2024	Sep 2024	3
2.	Divyashri Rao K K	1JT22CSE02	Geosynthetics and Reinforced Soil Structures	12 Weeks	Jul 2024	Oct 2024	4
3.	Divyashri Rao K K	1JT22CSE02	Sustainable Engineering Concepts and Life Cycle Analysis	8 Weeks	Jul 2025	Sep 2025	3
4.	Gagan P	1JT22CSE03	Modern Construction Materials	12 Weeks	Jan 2025	Apr 2025	4
5.	Harshith B Reddy	1JT22CSE04	Sustainable Engineering Concepts and Life Cycle Analysis	8 Weeks	Jul 2024	Sep 2024	3
6.	Naveen Dyava Naik	1JT22CSE06	Principles of Construction Management	8 Weeks	Jul 2024	Sep 2024	3
7.	Nitin Raj R	1JT22CSE07	Principles of Construction Management	8 Weeks	Jul 2024	Sep 2024	3
8.	Prasad C Naik	1JT22CSE08	Principles of Construction Management	8 Weeks	Jul 2024	Sep 2024	3
9.	Praveena	1JT22CSE10	Principles of Construction Management	8 Weeks	Jul 2024	Sep 2024	3

10.	Punith Kumar H K	1JT22CSE11	Principles of Construction Management	8 Weeks	Jul 2024	Sep 2024	3
11.	Shreelakshmi B R	1JT22CSE13	Remote Sensing and GIS for Rural Development	12 Weeks	Jan 2025	Apr 2025	4
12.	Vimala R	1JT22CSE14	Principles of Construction Management	8 Weeks	Jul 2024	Sep 2024	3
13.	Vimala R	1JT22CSE14	Finite Element Method	12 Weeks	Jan 025	Apr 2025	4
14.	Manoj Chaudhari	1JT23CV009	Safety in Construction Industry	12 Weeks	Jan 025	Apr 2025	4

## Faculty Achievement



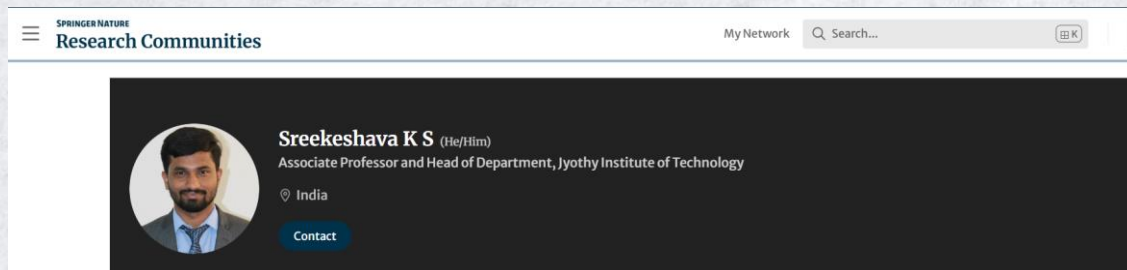
**Dr.Sreekesava K S**, Associate Professor & Head, and **Mr. Ganesh C R**, Assistant Professor, were qualified for the **AICTE-QIP-PG Certificate Programme** in Artificial Intelligence & Machine Learning from IIIT-Nagpur.

They have successfully completed the certification program and obtained the certificates at the felicitation program organised at AICTE Headquarters, New Delhi, on 31<sup>st</sup> January 2025.

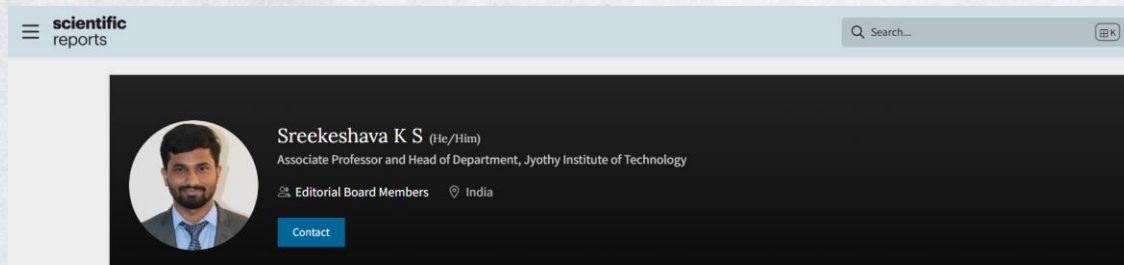
**Dr. Sreekesava K S** has reviewed 73 manuscripts for MDPI in the year 2024-2025 with major ones in Buildings (Q1 Journal)



**Dr. Sreekeshava K S** has been selected as a trusted reviewer under Springer Nature.



**Dr. Sreekeshava K S** has been selected as the editorial board member for Scientific Reports (Springer Nature, Q1).



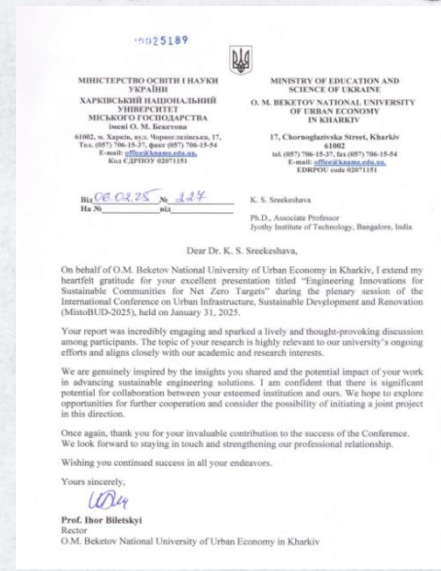
**Dr. Sreekeshava K S** has achieved the feat of 100 citations in Scopus indexed journals.



**Dr. Sreekeshava K S** has delivered a keynote on Engineering for a Greener Future: Building Sustainable Communities at the 2nd International Conference on Sustainable Innovations in Civil and Mechanical Engineering, SKN Sinhgad College of Engineering, 28/06/2025.



**Dr. Sreekeshava K S** presented a keynote titled "Engineering Innovations for Sustainable Communities for Net Zero Targets" during the plenary session of the International Conference on Urban Infrastructure, Sustainable Development and Renovation (MistoBUD-2025), Ministry of Education and Science of Ukraine, O. M. Beketov National University of Urban Economy in Kharkiv held on January 31, 2025.



**Dr. Sreekeshava K S** and **Mrs. C Bhargavi** have completed the Professional Development Program on Outcome-Based Curriculum Development for NBA and NAAC Accreditation organised by NITTTR-Chennai from 02/06/2025 to 06/06/2025.



**Dr. Sreekeshava K S** and **Mrs. C Bhargavi** have completed an online Faculty Development Programme on "Enabling Smart Cities through Computer Applications: Challenges and Strategies", sponsored by Ministry of Electronics and Information Technology, Government of India, organised by NIT-Warangal and NIT-Kurukshetra from 9<sup>th</sup> June to 19<sup>th</sup> June 2025.



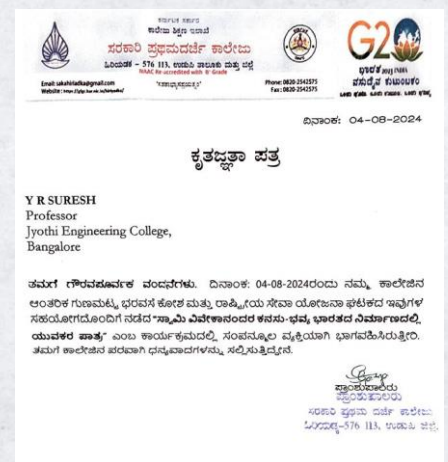
**Mr. Ganesh C R**, Assistant Professor, Department of Civil Engineering, has successfully topped the 8-week (Jul-Sep 2024) NPTEL Online Certification Course on “Introduction to Machine Learning”, conducted by IIT Kharagpur and secured an Elite Certificate.



**Mr. Y R Suresh**, Assistant Professor, has successfully participated in and completed the Faculty Development Programme on “Innovative Approaches to Disaster Management and Resilient Infrastructure”, organized by ATME College of Engineering from 9<sup>th</sup> December 2024 to 14<sup>th</sup> December 2024.



**Mr. Y R Suresh**, Assistant Professor, gave a talk to enlighten the students about the “Human Values, Patriotism, and Building Self – Confidence” organized by Government First Grade College, Udupi, Karnataka on 4<sup>th</sup> August 2024.



**Mr. Nithish S Ambale** has successfully attended the 1-week FDP on “Application of Machine Learning in Civil Engineering”, organised by SJB Institute of Technology, Bengaluru, held from 27<sup>th</sup> January 2025 to 1<sup>st</sup> February 2025, and also attended the 10-day online workshop on “AI and Its Application in Civil Engineering” organised by NITTTR Kolkata and RASTA Centre for Road Technology, Bengaluru, held from 19<sup>th</sup> May 2025 to 30<sup>th</sup> May 2025.



**Mr. Pavan Kumar V**, Assistant Professor, has successfully participated in and completed the Faculty Development Programme on “Innovative Approaches to Disaster Management and Resilient Infrastructure” organized by ATME College of Engineering from 9<sup>th</sup> December 2024 to 14<sup>th</sup> December 2024, and also completed Faculty Development Programme on “Holistic Disaster Management: Linking Resilient Infrastructure with Sustainability” organized by the National Institute of Technology Calicut from 20<sup>th</sup> January 2025 to 25<sup>th</sup> January 2025.



**Mr. Pavan Kumar V**, Assistant Professor, Department of Civil Engineering, has successfully completed a 4-credit course in the SWAYAM Online Certification Course on “Fundamentals of Building Construction”.



## Projects Sanctioned Under KSCST

Guide Name	Students Name	Project Title	Year of Sanction	Total Amount Sanctioned and utilized during current year
Dr. Sreekeasha K S and Mrs. C Bhargavi	Shrusti H S Kavya M Mangala Balaji N Yuvaraj Balachandra Yalagude	Studies on Predicting the Mechanical Properties of Geopolymer Concrete using Novel machine Learning Algorithms	2024	4500 /-
Dr. Sreekeasha K S and Mr. Ganesh C R	Akshatha R Nithin Kumar R J Prajwal N Yuvashree M	Nano-Silica: A Catalyst for Advancing Ambient Cured Ground Granulated Blast Furnace Slag Based Geopolymer Concrete Characteristics	2024	4500 /-
Dr. Narendra Reddy and Mrs. C Bhargavi	Naveen Dyava Naik	Development of Hybridized Bamboo – Coir – Rubber Panels for Sustainable Formwork Construction	2024	5000 /-

### Faculty Paper Publication

Faculty Name	Research Article	Indexing	Date of Publish
Dr. Sreekeshava K S	Prediction of shear strength of steel fiber-reinforced concrete beams with stirrups using hybrid machine learning and deep learning models. Buildings, 15(8), 1265. <a href="https://doi.org/10.3390/buildings15081265">https://doi.org/10.3390/buildings15081265</a>	Scopus Web of Science Q1	April 2025
	Parametric studies on fundamental period of vibration of masonry in-filled reinforced concrete frames strengthened at interfaces of MI and RC with geo-fabric. Int J Syst Assur Eng Manag 16, 1590–1606 (2025). <a href="https://doi.org/10.1007/s13198-025-02773-w">https://doi.org/10.1007/s13198-025-02773-w</a>	Scopus Web of Science Q2	April 2025
	Compressive behaviour of reinforced concrete columns using recycled building glass instead of sand aggregate in concrete. Journal of Building Material Science, 7(1), 1–19. <a href="https://doi.org/10.30564/jbms.v7i1.8253">https://doi.org/10.30564/jbms.v7i1.8253</a>	Scopus Web of Science Q4	March 2025
	Experimental Studies to Evaluate Performance of Coconut Shell Mat as Cellular Confinement in Sandy Soils. Indian Geotech J (2025). <a href="https://doi.org/10.1007/s40098-025-01184-9">https://doi.org/10.1007/s40098-025-01184-9</a>	Scopus Web of Science Q3	February 2025
	The degree energy of a graph. Mathematics, 12(17), 2699. <a href="https://doi.org/10.3390/math12172699">https://doi.org/10.3390/math12172699</a>	Scopus Web of Science Q2	August 2024
	Civil Engineering Innovations for Sustainable Communities with Net Zero Targets. <a href="https://doi.org/10.1201/9781032686899">https://doi.org/10.1201/9781032686899</a> ISBN 9781032686899	Scopus Web of Science Q4	August 2024
	Applications of civil engineering in disaster risk reduction. In Civil Engineering Innovations for Sustainable Communities with Net Zero Targets (pp. 215–222). <a href="https://doi.org/10.1201/9781032686899-16">https://doi.org/10.1201/9781032686899-16</a>	Scopus Web of Science Q4	August 2024
	Sustainable communities with net zero targets. In Civil Engineering Innovations for Sustainable Communities with Net	Scopus	August 2024

	Zero Targets (pp. 3–13). <a href="https://doi.org/10.1201/9781032686899-2">https://doi.org/10.1201/9781032686899-2</a>	Web of Science Q4	
Mr. Ganesh C R	Minimizing Heavy Metal Contamination in Mining-Affected Soils: A Leaching-Based Approach. Soil and Sediment Contamination: An International Journal, Taylor & Francis, (pp. 1 – 21). doi:10.1080/15320383.2025.2518147	Scopus Web of Science Q2	June 2025
Mrs. Bhargavi C	Studies on Optimization of Fly Ash, GGBS and Precipitated Silica in Geopolymer Concrete. Construction Materials, 5(2), 29. <a href="https://doi.org/10.3390/constrmater5020029">https://doi.org/10.3390/constrmater5020029</a>	Scopus Web of Science Q2	April 2025



# **MECHANICAL ENGINEERING**

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**“Gears of Ingenuity: Where Dreams Turn into Mechanical Reality ”**

# DEPARTMENT OF MECHANICAL ENGINEERING



**DR. C B MOHAN**  
**Vice Principal and Head**

## **Vision**

Achieve excellence in Mechanical Engineering Education, Innovation, Research and Entrepreneurship.

## **Mission**

- M1.** Provide an intellectually vibrant teaching and learning environment.
- M2.** Inculcate in students a culture of research and innovation in engineering.
- M3.** Produce future entrepreneurs and leaders with technological patriotism.

## **From the HOD's Desk**

Greetings to faculty and students!

It gives me immense pleasure to present this report, highlighting the achievements and initiatives of the Department of Mechanical Engineering during the past academic year 2024–25.

The participation of faculty members in various conferences, training programs, and publications is a very encouraging factor, which will continue in the future as well. During this semester, various curricular and co-curricular activities for students were successfully conducted by the department. The department strongly encourages students to participate in the SAE Aero International Competition in the USA and the National Eco-Kart event in India. It supports both students and faculty by periodically sponsoring them to attend relevant seminars, symposia, workshops, industrial visits, training programs, and technical talks as an integral part of the program.

## FACULTY LIST

<b>Sl.no</b>	<b>List of Faculty</b>	<b>Designation</b>
	<b>Editor</b> Dr. T. S. Mohan Kumar	Associate Professor
<b>1.</b>	Dr. K. Gopalakrishna	Principal
<b>2.</b>	Dr. C. B. Mohan	Vice Principal, HOD
<b>3.</b>	Dr. M. Narendra Kumar	Professor
<b>4.</b>	Dr. T. S. Mohan Kumar	Associate Professor
<b>5.</b>	Dr. J. V. Raghavendra	Associate Professor
<b>6.</b>	Dr. Jayathirtha M. Patil	Associate Professor
<b>7.</b>	Dr. H. R. Aniruddha Ram	Assistant Professor
<b>8.</b>	Mr. Rakesh P	Assistant Professor
<b>9.</b>	Dr. C. Yogeeshha	Assistant Professor
<b>10.</b>	Mr. Rakesh P	Assistant Professor
<b>11.</b>	Mr. Gurumurthy M	Assistant Professor

## ABOUT THE DEPARTMENT

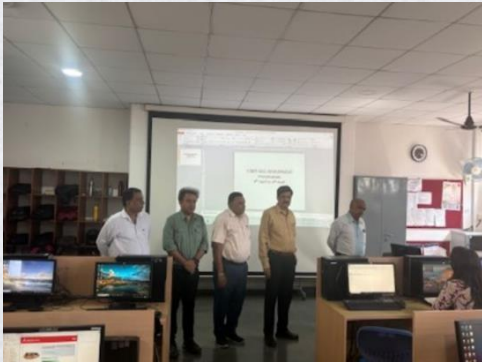
The Department of Mechanical Engineering has been functioning since the establishment of the college in the year 2011 with an annual intake of 60 students. It comprises highly dedicated, well-qualified, and competent faculty members who are actively involved in teaching, research, and building the quality profile of students. The department has well-equipped laboratories as per university norms for hands-on training and is also engaged in research across various domains of Mechanical Engineering, showcasing its capabilities through quality publications jointly authored with student research scholars. All laboratories have been developed keeping in mind the needs of both academia and industry. A substantial investment of over a crore has been made in establishing high-profile labs.

The department is accredited by the NBA and is recognized nationally as one of the youngest departments of the institute to receive accreditation from the National Board of Accreditation (NBA) in 2018. Additionally, the department is recognized as an R&D center by VTU, Belagavi. It has undertaken funded projects that have significantly contributed to improvements in the learning environment.

The department facilitates meaningful internships for students in reputed industries and research organizations to enhance their knowledge of applied and advanced technologies. It has established several MoUs with various industries ranging from technical training institutions to manufacturing companies to promote knowledge exchange. The department is a member of professional bodies such as SAE and ISTE through student chapters on campus, thereby bridging the gap between industry and academia.

“MECHISTA,” the department forum, organizes various technical and social activities regularly, where students are trained and supported for national-level technical competitions such as SAE AERO and SAE BAJA. In a nutshell, the department consistently conducts programs such as internships, expert technical talks, industrial visits, entrepreneurship development programs, modeling workshops, soft skills training, and specialized activities under the ECO Kart and AERO Club banners of SAE India.

## ACTIVITIES



The three-day Skill Development Programme on **“Product Design and Development – Simulation”** was organized for IV and VI semester students of Mechanical Engineering from **4th April to 6th April 2025** by the Department of Mechanical Engineering.

The practical session with structural problems on (Beams), stress concentration problems. The hands-on session were given to the students utilizing the finite element analysis software. Finally, all students modeled and analyzed the problems and prepared the detailed report.



The three days orientation program was given on Additive Manufacturing/3D. Printing theory and practical sessions was organized for I Semester students of all branches. The students were exposed to theory and practical sessions from 17th September to 19th September 2025 by the Department of Mechanical Engineering

## PUBLICATION

1. Subbaraya Mohan Kumar, Evaluation of mechanical and fatigue properties of Al- hybrid composite for automotive applications. Brazilian Journal of Development, August 2025  
DOI:DOI:10.34117/bj



# BASIC SCIENCES & HUMANITIES

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**"Equations Unveiled, Theories Explored, and Ideas Flourish — A Symphony of Scientific Excellence and Human Perspectives."**

# A Report on Induction Programme for Engineering Entrants Academic Year 2024-2025



## Chief Coordinators

Dr. Madhusudhan R  
HoD, Dept. of Mathematics,  
HoD, Dept. of Physics, JIT

Dr. Viswanatha R  
HoD, Dept. of Chemistry, JIT

## Address By Principal:

Our beloved principal Dr. K. Gopalakrishna addressed the students and gave an overview of our college. The address was blended with PPT presentation also. It was a fruitful presentation as the students got a glimpse and insight of our college and other activities.



**Speaker: Mr. H.A. Jayasimha  
(Human Resource Trainer)**

**Topic: Power of Positive Thinking**



**Rtn. Dr. RAGHAVENDRA P.S**

**Topic: Developing a warrior's Mindset**



**Speaker: Mr. Srinidhi Kulkarni**

**Topic: Language Proficiency and talk on Tech clubs of JIT**



**Topic: Universal Human Values**

**Speaker: Mr. Rakesh B K- Asst. Prof- (Dept. Of Mech Eng)**



**Topic: Health Inside out**  
**Speaker: Dr. Kavya (Ayurvedic Research Centre)**



**Speaker: Dr. Jayaprakash H N**  
**Topic: Professional guide for aspiring Entrepreneurs**



**Mr. AKHILESH**  
**Assistant professor Dept. of CSE and**  
**Placement and Training officer**



**Topic: Idea to start-up**  
**Speaker: Rama Jyothy, Atal Incubation Centre, JIT**



**Post Lunch Sessions:**



**Coordinator: Usha Sundaresh,**  
**M.A, B.Ed. Dept. of Humanities (English)**



## Event Highlights

### Day 1: Ice-Breaking Session

The induction began with an ice-breaking session designed to help students feel comfortable and make connections.

### Day 2: Explore, Play & Grow



### Day 3: Shark Tank



### Day 4: World Language Club (WLC) English Forum

On the final day, we introduced students to the **World Language Club (WLC)** and the **English Forum**, emphasizing the importance of communication and soft skills in their professional journeys.

**Pottery and Painting session:**



**One- Day Trip:**



## DEPARTMENT OF MATHEMATICS

### From the Hod's Desk:



**Dr. R MADHUSUDHAN**  
Associate Professor and Head

#### VISION

To identify and groom the talent as per industry requirements and provide outclass opportunities in the specific industry.

#### MISSION

To provide excellent opportunities by enhancing the skill set of students which leads to a bright future.

Welcome to the Department of Mathematics!

In this era of emerging technologies and advanced sciences, nations are focusing on applied research through linkages between scientists, engineers and researchers.

Mathematics & Statistics form the backbone for engineering knowledge and development. Our aim is to produce engineers equipped with modern mathematical tools and a strong understanding of real-world engineering problems. One can become a useful engineer or scientist only with a significant knowledge of Mathematics.

The department provides academic support to undergraduate engineering students. Our objective is to help students pursue excellence in Mathematics through an effective teaching-learning process.

### TEACHING FACULTY

NAME	DESIGNATION	QUALIFICATION
Dr. R Madhusudhan	Associate Professor and Head	M.Sc., Ph.D.
Dr. M C Kemparaju	Associate Professor	M.Ed., M.Sc., M.Phil., Ph.D.
Dr. Latha R	Assistant Professor	M.Sc.Ph.D.
Mr. Gurudatt T S	Assistant Professor	M.Sc.
Mr. Vishwanath M C	Assistant Professor	M.Sc., (Ph.D.)
Mrs. Sahana K S	Assistant Professor	M.Sc.

## LIST OF PUBLICATIONS

1. Dr Latha R published a research article titled “**An analytical model for point source pollutants in an urban area with mesoscale wind and wet deposition**”, **Journal of the Nigerian Society of Physical Sciences**, 2714-2817,DOI:10.46481/jnsps.2024.2116
2. Dr Latha R published a patent “**UTILIZING STEAM DISTILLATION WITHIN A RECTANGULAR CONTAINER TO EXTRACT**”.
3. Dr. Kemparaju M C published a research article titled “**Solution of nonlinear differential equations for hybrid nanofluid flow over stretching/shrinking permeable sheets with heat generation and stability analysis**”, **Journal of Interdisciplinary Mathematics**,Vol.28,No.6,PP.2339–2348, Sep-2025-  
<https://doi.org/10.47974/JIM-2376>
4. Dr. Kemparaju M C published a research article titled “**Williamson Nano fluid Flow of Thermally Radiant Permeable Stretching sheet with Joule Heating Effects and chemical reaction**”, **Global and Stochastic Analysis**, Vol.12, No.2, PP.1-16 March-2025. DOI:10.64837/GSA.12.2.1

## DEPARTMENT OF PHYSICS



**Dr. R MADHUSUDHAN**  
Associate Professor & Head

### From the Hod's Desk

Welcome to the Department of Physics!

Physics is the study of the physical world. It is an indispensable component of engineering curriculum, as technology is fundamentally based on the knowledge of physical laws.

Physics leads modern natural sciences and forms the theoretical basis of modern engineering.

### VISION

To identify and groom the talent as per industry requirements and provide outclass opportunities in the specific industry.

Education is not just about writing exams and scoring marks; it is also about facing the toughest tests of life without compromise, despite several societal challenges to one's integrity.

### MISSION

To provide excellent opportunities by enhancing the skill set of students which leads to a bright future.

## TEACHING FACULTY

NAME	DESIGNATION	QUALIFICATION
Dr. R Madhusudhan	Associate Professor and Head	M.Sc., Ph.D.
Dr. Umananda Bhatta	Associate Professor	M.Sc., Ph.D.
Mrs. Vindhya A	Assistant Professor	M.Sc., (Ph.D.)
Mr. Susheel Kumar G	Assistant Professor	M.Sc., (Ph.D.)
Mr. Narayana H S	Assistant Professor	M.Sc.

## NON-TEACHING FACULTY

NAME	DESIGNATION
Mrs. Sridevi S	SDC

## LIST OF PUBLICATIONS

1. Dr. Lakshminarayan Bhatta, Dr. Umananda Bhatta and Mr. Susheel Kumar published a research article titled “*Proximate composition and multi-technique physicochemical characterization of Entada rheedei seed kernel*” in Next Research, 2025. DOI: <https://doi.org/10.1016/j.nexres.2025.100800>
2. Dr. Umananda Bhatta published a research article titled “*Electrical and photo-sensing properties of n-ZnO/p-Si (111) heterojunction and persistent conductivity*” in Solid State Communications, 2025. DOI: <https://doi.org/10.1016/j.ssc.2025.115862>
3. Dr. Umananda Bhatta and Mr. Susheel Kumar published a research article titled “*Qualitative Analysis of the Presence of Ge Nanoclusters Embedded in SiO<sub>x</sub> Matrix Using UV-Vis and EDX Spectroscopy*” in Surface and Interface Analysis, 2025. DOI: [10.1002/sia.70023](https://doi.org/10.1002/sia.70023)

## DEPARTMENT OF CHEMISTRY



**Dr. VISWANATHA R**  
**Associate Professor and Head**

### VISION

To identify and groom the talent as per industry requirements and provide outclass opportunities in the specific industry.

### MISSION

To provide excellent opportunities by enhancing the skill set of students which leads to a bright future.

### From the Hod's Desk

Welcome to the Department of Chemistry!

Chemistry is often referred to as the central science as it deals with the fundamental building blocks of life and the inanimate materials we encounter daily.

It is a highly collaborative field and as a student in the Chemistry Program, you will learn to think critically while working with scientists from many disciplines.

Our graduates go on to pursue exciting careers in varying fields ranging from energy and medicine to teaching, learning and beyond.

Join us and shape a future fuelled by curiosity and discovery!

## TEACHING FACULTY

NAME	DESIGNATION	QUALIFICATION
Dr. Viswanatha R	Associate Professor and Head	M.Sc., Ph.D., PGDIPR
Dr. K G L Bhatta	Associate Professor	M.Sc., Ph.D.
Dr. Muralidhara H B	Associate Professor	M.Sc., Ph.D.
Dr. Siddeswara D M K	Assistant Professor	M.Sc., Ph.D.
Mrs. Akshatha J G	Assistant Professor - Biology	M.Sc.

## NON-TEACHING FACULTY

NAME	DESIGNATION
Mr. Rudresha K	Lab Instructor
Mr. Srinatha	Lab Helper

## LIST OF PUBLICATIONS

1. Optimised and percolated nanocomposite of polyaniline/tungstic anhydride modified electrode implemented in Vanadium redox flow battery, U Reka, M Vellakkat, S Mohan, HB Muralidhara, *Physica Scripta* 2024, 99 (4), 045967.
2. Synergetic Functionalization of the ZnS@ ASCs Biocomposite: For Enhanced Electrochemical Performance of Redox Flow Batteries and Supercapacitors, G Basavaraj Chavati, S Kumar, Basavaraju, A Nayaka Yanjerappa, Handanahally Basavarajaiah Muralidhara, Krishna Venkatesh, Keshavanarayana Gopalakrishna, *ACS Applied Electronic Materials*, 2024, 6 (8), 6072-6084
3. Hierarchical interconnected polyaniline nanocomposite with hydrothermally synthesized pyrite structure for improved electrochemical properties in a vanadium redox flow battery, U Reka, M Vellakkat, S Mohan, HB Muralidhara, *Materials Science and Engineering: B*, 2024, 309, 117663
4. Engineering Graphene Oxide-Incorporated Iron Vanadate Nanocomposites as Electrode Material for High-Performance Redox Flow Battery and Supercapacitor Performances, S Kumar Basavaraju, G Basavaraj Chavati, M Boraiah Sannaobaiah Handanahally Basavarajaiah Muralidhara, Arthoba Nayaka Yanjerappa, Krishna Venkatesh, Keshavanarayana Gopalakrishna, *ACS Applied Electronic Materials*, 2024 6 (12), 8912-8928
5. Hydrothermal synthesis of the AC@ In<sub>3</sub>S<sub>4</sub> composite and investigation of its enhanced electrocatalytic properties for improving the energy-storage efficiency in vanadium redox flow batteries and supercapacitors, GB Chavati, SK Basavaraju, AN Yanjerappa, MB Sannaobaiah, Handanahally Basavarajaiah Muralidhara, Krishna Venkatesh, Keshavanarayana Gopalakrishna, *New Journal of Chemistry*, 2025 49 (21), 8877-8887

6. Electrochemical investigation of nickel selenide/carbon spheres composite as an electrode material for high efficiency supercapacitors, ANY, Malashri Boraiah Sannaobaiah , Sharath Kumar Basavaraju , Gireeshkumar, Journal of the Indian Chemical Society, 2025, Elsevier 102 (1), 101487
7. In vitro antimicrobial and antioxidant activities of essential oil extracts from underutilized Zanthoxylum ovalifolium tatcher fruits: Prospective applications in the food industry, GS Nagananda, S Seshagiri, LKG Bhatta, Food and Humanity, 2024 3, 100420
8. Radial basis Neural Network Model to Prediction of Thermal Resistance and Heat Transfer Coefficient of Oscillating Heat Pipe Using Graphene and Acetone-Based Nanofluids, LKGB Parashuram A Kutakanaker, K. Rama Narasimha, K. Gopalakrishna, Jordan Journal of Mechanical and Industrial Engineering, 2024, 18 (2), 251-266.
9. Optimization analysis of epoxidation of silkworm pupae oil with citric acid and eco-friendly oil coating on mild steel for corrosion protection, D Nandhini, M Halada Nandakrishnan, R Viswanatha, Journal of the American Oil Chemists' Society, 2025 102 (5), 941-956
10. Coconut bract derived activated carbon: a good performance material for supercapacitors N Dhanavel, GB Chavati, SK Basavaraju, MB Sannaobaiah, Ramarao Viswanatha, Krishna Venkatesh, Handanahalli Basavarajaiah Muralidhara, 2025, Emergent Materials, 1-11.

## DEPARTMENT OF HUMANITIES



**Mrs. USHA SUNDARESH**  
**M.A (English), B.Ed.**  
**Assistant Professor**

### VISION

To identify and groom the talent as per industry requirements and provide outclass opportunities in the specific industry.

### MISSION

To provide excellent opportunities by enhancing the skill set of students which leads to a bright future.

### "Unleash your inner Wordsmith: Explore the boundaries of Expression"

Language is a medium of conveying information and expressing thoughts and requires skills to articulate ideas clearly through words and expressions in a professional manner. Among the many languages spoken worldwide, English has established itself as the global medium of communication, making it the natural choice for people across diverse regions and cultures. It has been deeply rooted in all subjects of the global standard countries, allowing people to explore, learn and express ideas without any barriers or limitations. When equipped with English, knowledge and skills become more accessible across international borders.

English has also become an essential component in competitive examinations like GRE, TOEFL, IELTS GATE and numerous State and Central Government recruitment examinations, as well as placement tests and other examinations. To meet the needs of our engineering students in this context, Communicative English and Professional Writing Skills in English are offered as compulsory subjects in the first and second semesters, respectively.

Our pedagogy combines different methodologies which suit modern technological tools and software to meet the evolving demands global employment market.

## DEPARTMENT OF HUMANITIES



**Mr. SREEDHARA G P**  
**B.E, M. Tech**

### VISION

To identify and groom the talent as per industry requirements and provide outclass opportunities in the specific industry.

### MISSION

To provide excellent opportunities by enhancing the skill set of students which leads to a bright future.

ಎಲ್ಲಾದರೂ ಇರು ಎಂತಾದರೂ ಇರು  
ಎಂದೆಂದಿಗೂ ನೀ ಕನ್ನಡವಾಗಿರು.  
ಕನ್ನಡವೇ ಸತ್ಯ ಕನ್ನಡವೇ ನಿತ್ಯ  
- ಕುವೆಂಪು

ಕರ್ನಾಟಕದಲ್ಲಿ ಕನ್ನಡ ಅಧಿಕೃತ ರಾಜ್ಯ ಭಾಷೆ, ಜನ ಭಾಷೆಯೂ ಹೌದು. ಕರ್ನಾಟಕ ರಾಜ್ಯ ಸರ್ಕಾರವು ತಾಂತ್ರಿಕ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ತಂತ್ರಜ್ಞಾನದ ಕಲಿಕೆಯ ಜೊತೆಯಲ್ಲಿಯೇ ಕನ್ನಡವನ್ನು ಒಂದು ಕ್ರೆಡಿಟ್ ಕೋರ್ಸನ್ನಾಗಿ ಕಲಿಸಬೇಕೆಂದು ನಿರ್ದೇಶಿಸುತ್ತದೆ. ಅದರಂತೆ ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯವು ಕರ್ನಾಟಕದಲ್ಲಿ ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣ ಪಡೆಯುವ ಪ್ರತಿಯೊಬ್ಬ ವಿದ್ಯಾರ್ಥಿಯೂ ಕನ್ನಡ ಭಾಷೆಯನ್ನು ಕಡ್ಡಾಯವಾಗಿ ಬಳಸಬೇಕೆಂಬ ಸದುದ್ದೇಶದಿಂದ ಕನ್ನಡ ಬಲ್ಲ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಸಾಂಸ್ಕೃತಿಕ ಕನ್ನಡ ಹಾಗೂ ಕನ್ನಡೇತರ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಬಳಕೆ ಕನ್ನಡ ಎಂಬ ಪಠ್ಯಗಳನ್ನು ರೂಪಿಸಿ ಬೋಧನೆಗೆ ಕ್ರಮ ಕೈಗೊಂಡಿದೆ.

ಸಾಂಸ್ಕೃತಿಕ ಕನ್ನಡ ಕಲಿಕೆಯ ಉದ್ದೇಶವೇನೆಂದರೆ, ಪದವಿ ವಿದ್ಯಾರ್ಥಿಗಳಾಗಿರುವುದರಿಂದ ಸಾಂಸ್ಕೃತಿಕ ಕನ್ನಡದ ಜೊತೆಗೆ ಕ್ರಿಯಾತ್ಮಕ ಕನ್ನಡವನ್ನು, ಕನ್ನಡ ಸಾಹಿತ್ಯ, ಸಂಸ್ಕೃತಿ ಮತ್ತು ನಾಡು ನುಡಿಯ ಪರಿಚಯ ಮಾಡಿಕೊಡುವುದು, ತಾಂತ್ರಿಕ ವಿಜ್ಞಾನದ ವಿಷಯಗಳ ಪರಿಚಯ ಮಾಡಿಕೊಡುವುದು ಮತ್ತು ಇದರ ಜೊತೆಗೆ ಕನ್ನಡ ಭಾಷಾಭ್ಯಾಸ, ಸಾಮಾನ್ಯ ಕನ್ನಡ ಹಾಗೂ ಆಡಳಿತ ಕನ್ನಡ ಪದಗಳ ಪರಿಚಯ ಮಾಡಿಕೊಡುವುದು.

ಅದರಂತೆಯೇ ಬಳಕೆ ಕನ್ನಡದ ಕಲಿಕೆಯ ಉದ್ದೇಶವೇನೆಂದರೆ, ಇಲ್ಲಿ ವಿದ್ಯಾರ್ಜನೆಗೆ ಆಗಮಿಸುವ ಹೊರ ರಾಜ್ಯದ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ತಮ್ಮ ದಿನನಿತ್ಯದ ಸಂವಹನಕ್ಕೆ ತೊಡಕಾಗದಿರುವುದಕ್ಕಾಗಿ, ಕನ್ನಡ ಜ್ಞಾನದ ಅಗತ್ಯತೆಗನುಗುಣವಾಗಿ ಕನ್ನಡ ಅಕ್ಷರಮಾಲೆ, ಉಚ್ಚಾರಣೆ, ಸಂಭಾಷಣೆಗಾಗಿ ಕನ್ನಡ ಪದಗಳು, ವ್ಯಾಕರಣದ ಚಟುವಟಿಕೆಯ ಬೋಧನೆ ಇದರ ಜೊತೆಗೆ ಕರ್ನಾಟಕ ರಾಜ್ಯದ ಬಗ್ಗೆ, ಇಲ್ಲಿನ ಭಾಷೆ, ಸಂಸ್ಕೃತಿಯ ಪರಿಚಯ ಮಾಡಿಸುವುದು. ಕನ್ನಡ ಭಾಷೆಯನ್ನು ಕೇಳಿ ಅರ್ಥ ಮಾಡಿಕೊಳ್ಳುವುದು. ಕರ್ನಾಟಕದಲ್ಲಿ ಕನ್ನಡವೇ ಸರ್ವಭೌಮ ಭಾಷೆಯಾಗಿರಬೇಕು.

ಸಿರಿಗನ್ನಡಂ ಗೆಲ್ಲೆ, ಸಿರಿಗನ್ನಡಂ ಬಾಳ್ಗೆ.



# TRAINING AND PLACEMENT DEPT.

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"One step of your future starts here"

# **PLACEMENT REPORT 2025**

The Training and Placement Cell of Jyothy Institute of Technology continues to strengthen industry ties and expand opportunities for graduating students. For the 2025 batch, 266 offers have been recorded, comprising 177 unique offers across all departments. Of these, 217 students secured IT roles and 31 joined core engineering positions. The overall placement rate stands at 84%, with a 57% unique placement rate, reflecting multiple offers for top performers.

## **Performance across Departments**

The placement performance has shown encouraging trends across departments. The Information Science and Engineering (ISE) department achieved the highest overall placement percentage of 98%, followed by Electronics and Communication Engineering (ECE) at 80%, Computer Science and Engineering (CSE) at 84%, and Artificial Intelligence and Machine Learning (AIML) at 73%. Mechanical and Civil branches, being niche domains with a smaller pool of eligible students, have shown limited participation in the current cycle. Nevertheless, efforts are ongoing to increase the number of core-focused recruiters for these streams.

## **Recruiters and Offers**

JIT's strong relationships with industry partners have continued to deliver results. Leading organizations such as NCR Corporation, Infosys, Cognizant, HCL Tech and MathCo have been the top recruiters, contributing the highest number of offers this year. NCR Corporation alone offered positions to 56 students. Other major contributors include Movidu Technologies (21 offers), eMpulse Technologies (14 offers), HCL Maintec (12 offers), Cognizant (10 offers), Inchi Solutions (8 offers), and Hudl (8 offers). Several other recruiters such as Tessolve Semiconductor, TCS, Deloitte, MathCo, and Gateway Group have also added to the placement pool, offering specialized roles in analytics, consulting, and core engineering domains.

## **Package Insights**

Salary analysis shows a healthy distribution, with the highest on-campus package at ₹7.5 LPA, a weighted average of ₹3.49 LPA, and a median of around ₹3.3 LPA. Several internship and stipend-based roles were offered, many leading to full-time positions. A few off-campus and referral offers reached up to ₹20 LPA, considered exceptional cases beyond on-campus statistics.

## **Conclusion**

The placement journey at Jyothy Institute of Technology has been a story of consistent growth, strategic outreach, and strong recruiter relationships. The data speaks for itself — opportunities are abundant, and support systems are in place. What remains now is a collective push towards accountability and preparation from the student community. With continued collaboration between departments, faculty, and the Placement Cell, JIT remains firmly committed to ensuring that every eligible student graduates with both skill and opportunity in hand.



# RESEARCH AND INCUBATION CENTRE

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"Fostering Innovation Through Research,  
Discovery, and Enterprise."



## **CENTRE FOR INCUBATION, INNOVATION, RESEARCH AND CONSULTANCY (CIIRC®)**



**Dr. Krishna Venkatesh**  
**Director CIIRC®**

Greetings from the Centre for Incubation, Innovation, Research and Consultancy!

From time immemorial, teaching and research have been indispensable and today, it has become increasingly multidisciplinary in nature. Technological advances are happening in every stream across the world and people are increasingly interacting with each other. Also, significant social and political changes are currently underway and there is tremendous potential for global teaching and research to engage in peaceful activity for the benefit of mankind.

### **VISION**

To be a Centre of Excellence  
for Developing New  
Technology, Innovation and  
Incubation

### **MISSION**

Pioneering Product  
Development

The globalization of media has opened humanity's eyes to new possibilities, inspiring people worldwide to seek a higher quality of life. Such desires can only be met on a global scale when a new class of academicians and professionals come together, prepared with a multitude of skills, great insight, more perspectives, better analytical and creative skills, and the willingness to adapt to new and changing conditions and demands. Having transcended the new millennium and looking beyond, these competencies are even more critical for survival and sustenance.

In today's world, academicians, students, and professionals with cross-cultural awareness, multi-skilling abilities, sensitivity, and broad-based knowledge are highly sought after. We must empower ourselves with these skills to effectively contribute to the institution's and the region's growth in the fields of science and engineering. To meet this need, the Centre has established state-of-the-art research and incubation labs across 16 domains of science and technology.

I encourage you to explore CIIRC®'s initiatives and discover how it actively contributes to the body of knowledge through its innovative products, services, patents, and publications.

## OBJECTIVES OF CIIRC®

- To engage in **Research, Development and Consultancy** activities resulting in advancement and dissemination of knowledge supporting **societal needs**.
- To develop **multidisciplinary technologies** and to establish industry interfacing which would help in promoting new materials and technologies.
- To provide a platform for rural area development through technology advancement.
- To act as a nodal centre for supporting **small and medium enterprises (SME)**.

## ABOUT CIIRC®

The Centre for Incubation, Innovation, Research and Consultancy (CIIRC®) is a joint initiative between Sri Sringeri Sharada Peetham, Sringeri, and Jyothy Institute of Technology, Bengaluru.

CIIRCTM has emerged with a promise of ushering in a new philosophy by bringing, for the first time, diverse components of science, engineering, business orientation and skill development with emphasis on innovation, incubation and research, leading to successful entrepreneurship. Understanding these three aspects forms the core of academic and research excellence at CIIRC®, JIT, while market research and business planning underpin its enterprise initiatives. The essential outcome of any academic pursuit, apart from imparting knowledge, should be to enable students to become readily employable or establish their own industries, firms or enterprises with renewed confidence.

## DOMAINS

The domains envisaged at CIIRC® are agriculture, energy, environment, food, health, homeland security and water, all addressing societal and environmental needs. To achieve this, strong collaborative partnerships have been established with several companies and institutions both within the country and abroad. To support the same, research labs have been established in the vistas of:

- **Bio composites, Biopolymers**
- **Computational Engineering**
- **Energy**
- **Environment**
- **Nanoscience and Nano Engineering**
- **Plant and Microbial Technology**
- **Remote Sensing and VLSI**
- **Sophisticated Instrumentation Facility**
- **Surface and Interface Physics**
- **Thermal Engineering**
- **Tribology**
- **Water**

## FACILITIES AVAILABLE

CIIRC® is equipped with several sophisticated instruments such as:

- HPLC (High Performance Preparative Liquid Chromatography)
- ELISA (enzyme-linked immunosorbent assay)
- TGA (Thermo gravimetric Analysis)
- DSC (Differential Scanning Calorimeter)
- Electrochemical Workstations
- SEM (Scanning Electron Microscope)
- FT-IR (Fourier Transform IR Spectroscopy)
- Lyophiliser
- PCR
- XRD (X-Ray Diffractometer)
- GC (Gas Chromatography)
- Epi – Fluorescence Microscope
- BSC - L2

Other facilities available on-site include:

- Bio-safety Cabinet Level II
- Probe Sonicator- Thermo-cycler
- CO2 Incubator
- Bacterial Incubator
- Sophisticated Rotary Vacuum Evaporator
- Orbital Shake Incubator
- Hot Air Oven
- Tubular Furnace
- Plant Tissue Culture Facility
- Greenhouse / Polyhouse Facility
- High Temperature Stir Casting Furnace
- Universal Testing Machine
- Battery Tester
- Automatic Filling Machine PF-30
- Powder Packaging Machine
- Double Nozzle Piston Liquid Filling Machine

## FACULTY RESEARCHERS

A team of 70 qualified faculty members and researchers—including 29 PhDs and 25 Master's graduates from premier institutes—has been established to support the Centre, anticipating a decade driven by knowledge-based economies. Research at CIIRC® is wide ranging with a blend of scientists and engineers contributing towards the development of novel technologies that are efficient, innovative and sustainable for civil, military and societal applications.

CIIRC® faculty-researchers have successfully executed numerous funded projects supported by leading agencies—AR & DB, DAE, DOS, DRDO, DST, KSCST, MNRE, NRB, PSUs, VGST-GOK—and have contributed through multiple patent filings.



Currently, there are ongoing projects funded by BIRAC, DBT, DIC, DOS, DRDO, DST, and UGC-DAE. There are a few more that are being considered for funding. Faculty Researchers at CIIRC have collaborations and key tie-ups with institutions and organizations at the individual and institutional levels. Identifying the capability of CIIRC®, ISRO has set up an IRNSS Satellite Receiving Station at the campus. Members at the Centre have been globally recognized with several laurels such as Commonwealth, DBT, Honeywell Silver Plaque, Hungarian, Most Innovative Enterprise, Ramalingaswamy Fellowship, etc.

Having said these, it is clearly evident that the Centre is reaching a tall order in R&D and aims to capture the attention of the community through its strategically innovative and technically sound products that have wide relevance to humankind.

CIIRC® faculty have over 550 Scopus/Thomson Reuters indexed publications to their credit with an average impact factor of 2, citation index of close to 5000, average index of 5, and numerous books and chapters by major publishing houses, together with a multitude of products to their credit.

## RESEARCH LABS AT CIIRC®



Thermal Engineering Lab



Surface Engineering Lab



IRNNS Lab



Autonomous Systems Lab



Biomaterials Lab



Bio Composites Lab



Water and Energy Lab



Environmental Lab



Plant and Microbial Technology



Food Technology



Cell and Molecular Biology



Sophisticated Instrumentation Facility



Nanotechnology



Computational Engineering



Nanoscience and Engineering



AMD and Sensors Lab



IEDC



Ancient Indian Sciences

## CONSULTATION AND COLLABORATION

CIIRC® provides engineering and research consultancy to industry and R&D institutions, forging interdisciplinary collaborations to address the needs of industry, academia, students, and society at large.

As of now, it provides **consultancy** to the following organizations:

- Altem Technologies Pvt. Ltd.
- Amadeus Software Labs India Pvt. Ltd
- DEBEL, DRDO
- Dover India Ltd.
- Dwali Services Pvt. Ltd.
- GEMN Research & Development
- Indeutsch Industries Pvt. Ltd.
- Jyothy Nivas College
- M S Clinical Research Pvt. Ltd.
- Rensol Power Pvt. Ltd.
- SAC, ISRO
- Shri GodhanBiosolPvt. Ltd.

## RESEARCH COLLABORATIONS

CIIRC® has collaborated with the following organizations for joint R&D capabilities:

1. Central Council of Research in Homeopathy, New Delhi
2. Karnataka State Sericulture Research and Development Institute, Bengaluru
3. National Remote Sensing Centre, ISRO, Hyderabad
4. Space Application Centre, ISRO, Ahmedabad
5. Swami Vivekananda Yoga Anusandhana Samsthana (S-VYASA), Bengaluru

## ACADEMIC COLLABORATIONS

CIIRC® has collaborated with the following colleges for joint projects and programs to further strengthen their academic stand:

1. Adi Shankara Trust, Kerala
2. AMC Engineering College
3. Dayanand Sagar Academy of Engineering and Management
4. Indian Academy Degree College, Bengaluru
5. Jyothy Nivas College (Autonomous)
6. Karnataka State Sericulture Research and Development Institute
7. Kongunadu College of Engineering and Technology, Trichy
8. Nitte Deemed-to-be-University
9. PDA College of Engineering, Kalburagi, Karnataka
10. Vijaya Composite PU College, Bengaluru

## INTERNATIONAL COLLABORATIONS

1. College of Tunghai University, Taiwan
2. Escola Politecnica Da Universidade de Sao Paulo, Brazil
3. LE Systems Co. Ltd., Japan
4. National University of Science and Technology, MISIS, Moscow, Russia
5. P N Lebedev Physical Institute of Russian Academy of Sciences, Russia
6. Zhejiang Sci-Tech University, PR China

## INDUSTRIAL COLLABORATIONS

CIIRC® collaborates with industries to enhance its R&D and jointly design and develop new products. The associations help CIIRC® and the industry in shouldering problems and issues specific to the industry and jointly propose viable and acceptable solutions that can then be commercialized, if necessitated.

- Adnano Technologies Pvt. Ltd
- AGI Resources
- ALTA Energy Technologies Pvt. Ltd
- Altem Technologies Pvt. Ltd
- Azymes Biosciences Pvt. Ltd.
- Bombay Hemp Company Pvt. Ltd.,  
Mumbai
- Circuit Centre
- Decision Engineering
- Dover India Pvt. Ltd
- First Source Impex Pvt. Ltd.
- Genbioca Sciences Pvt. Ltd.
- Impact Engineering Solutions
- Infimind Inst. of Skill Development Pvt.  
Ltd
- Isometric Solutions
- ITIE Knowledge Solutions
- Medisys
- Mithra IncrestPvt. Ltd.
- M S Clinical Rsch. Pvt. Ltd.
- MaiyasBvrgs. & Foods Pvt. Ltd.
- Modtech Engineering
- Prayoga Inst. of Edn. Research
- Rensol Power Pvt. Ltd.
- S J S Enterprises
- Saveer MatrixnanoPvt. Ltd.
- TUV Rhineland (I) Pvt. Ltd.
- Vittartha Technologies LLP
- Vsix Analytical Labs Pvt. Ltd

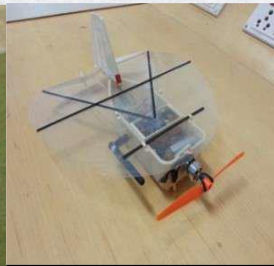
## COMPANIES AT CIIRC®

1. Aqua Jyothy - *Sea Water to Sky Water, Feel the Purity*
2. Damson 4P Solutions - *Affordable Solutions for Humankind*
3. Green Law - *Embracing a Changing World*
4. Nanosentrix - *Making Innovations Affordable*
5. NutriarcPvt. Ltd. - *Nutrition for All*
6. Nutriventz - *Reinventing Nutrition*
7. Unique Food Enterprises - *Save Food, Save Life*

# INNOVATIVE PRODUCTS FROM THE PORTALS OF CIIRC®



Micro air vehicle



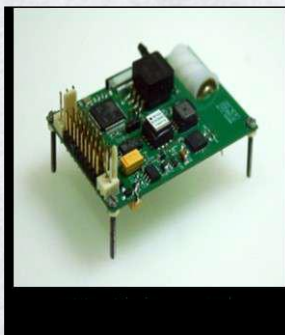
3D Printed MICAV



Micro-Amphibian



Embedded Dev Board



MEMS Dev Kit



Tracking Antenna



Radio Modem



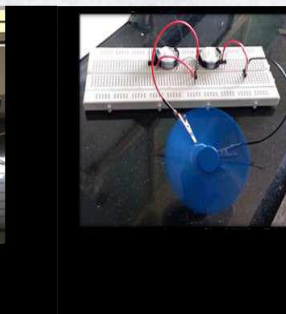
Autopilot System



Robotic Fish



Exercise Toy



Fabricated coin cells



RP Coated Space Parts



NutriVita



Nutri Sticks



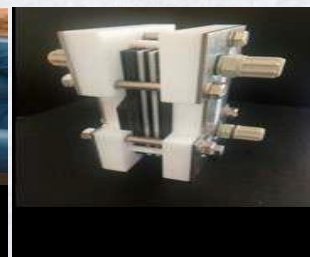
PP Shuttlecock



Haemostatic Material



ChitoSan Scaffold

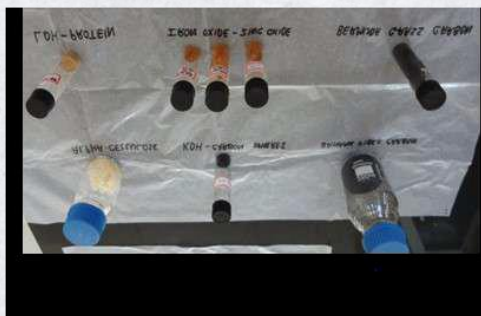


RFB Cell



CO<sub>2</sub> Capturing Materials

# INNOVATIVE PRODUCTS FROM THE PORTALS OF CIIRC®



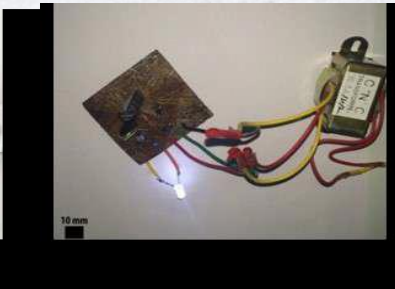
Multifunctional Adsorbents



Biodegradable Plates and Cups



Container/Pots



Biodegradable PCB



Herbal Floor Cleaner



Wound Healing Cream



Turmeric Concentrate



Laminates



DezinfestaHand Wash



Biodiesel



Soap Oil



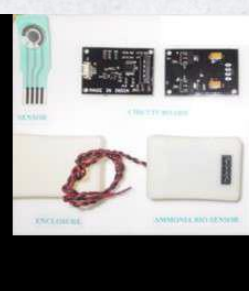
Floor cleaner



Burn Oil



Bio Boxes



Bio Sensor

Sl. No	NAME	DESIGNATION	QUALIFICATION	DOMAIN	SPECIALISATION
1	Dr. Krishna Venkatesh	Director	Ph.D (IISc)	Mech Engg	Nano Engineering
2	Dr. C B Mohan	Professor	Ph.D (NAL-VTU)	Mech Engg	Polymer Tribology
3	Dr. S Balaji	Professor	Ph.D (IISc)	Computer Science	Fault Tolerant Systems
4	Dr. Narendra Reddy	Professor & CBT Ramalingam Fellow	Ph.D (Uni. Of Nebraska)	Materials	Biodegradable Materials
5	Dr. Kathyayini N	Professor	Ph.D. (BU) Visitor - Belgium	Chemistry	Nano Catalysis
6	Dr. K G L Bhatta	Professor	Ph.D (VTU)	Chemistry	Environmental Chemistry
7	Dr. Ravi Kumar K	Professor	Ph.D (CFTRI) Post Doc USA	Biotechnology	Food/Enzymes
8	Dr. K Chandrasekhar	Professor	Ph.D (VTU)	Electronics Engg.	Communication
9	Dr. M Narendra Kumar	Professor	Ph.D (VTU)	Mech Engg	Thermal Engg.
10	Dr. M Geetha Priya	Professor	Ph.D (Anna Uni.)	Electronics Engg.	VLSI/Remote Sensing
11	Dr. Umananda Bhatta	Professor	Ph.D. (Homi-Baba Nat'l Inst.); Post Doc UK	Physics	Nano Physics
12	Dr. H B Muralidhara	Professor	Ph.D (Kuvempu Uni) Post Doc IISc	Chemistry	Electrochemistry
13	Dr. Chandre Gowda	Professor	Ph.D (NITK)	Civil Engg.	Hydraulics
14	Dr. Uma Ullas Pradhan	Professor	Ph.D (Mysore Uni.)	Electronics Engg.	Sensors
15	Dr. Roopa Reddy	Professor	Ph.D (Uni. Of Nebraska)	Microbiology	Cancer Biology
16	Dr. Soumitra Banerjee	Professor	Ph.D (IITK)	Food Tech.	Food Processing
17	Dr. G S Nagananda	Asso. Professor	Ph.D (Karpagam Uni.)	Biology	Plant Microbiology
18	Dr. Padmashree Anand	Asso. Professor	Ph.D (Mangalore Uni.)	Material Science	Ancient Indian Metallurgy
19	Dr. Swetha S	Asso. Professor	Ph.D (Jain Uni.)	Microbiology	Agri. Microbiology
20	Dr. Minichitha U	Asso. Professor	Ph.D (Jain Uni.)	Chemistry	Catalysis
21	Dr. Swarna Haldar	Asso. Professor	Ph.D (IITK)	Clinical Nutrition and Dietetics	Food Technology
22	Dr. Skandakumar B N	Asso. Professor	Ph.D (VTU)	Civil Engg.	Highway Engg.
23	Sandeep Suryan	Asst. Professor	M. Sc	Biotechnology	Industrial Biotech
24	Deepak V Ingale	Asst. Professor	M.Tech	Electronics Engg.	VLSI
25	Chandan Kumar Sahu	Asst. Professor	M.Tech (IITK), (Ph.D IITB Ongoing)	Food Tech	Food Processing
26	Krishna Kishore J	Principal Research Engineer	M.Tech	Mech Engg	Energy / Autonomous Systems
27	Prasanna V Bhat	Assistant Professor	M.Tech	Mech Engg	DSP
28	Keshav Gowtham	Assistant Professor	M.Tech	Computer Science	CNE
29	Chandrashekhar R	Assistant Professor	B.E	Chemical Engg.	ETP

## LIST OF FACULTIES

Sl. No	NAME	DESIGNATION	QUALIFICATION	DOMAIN	SPECIALISATION
30	Sharada Anand	Assistant Professor	BAMS, MD, Ph.D	Aurvedic System of Medicine	Aurvedic System of Medicine
31	Bhavana Pradeep	Senior Research Engineer	M.Tech	Biotechnology	Biotechnology
32	Prajwal B	Research Engineer	M.Tech	Product Design & Manufacturing	Product Design & Manufacturing
33	Kulkarni Akshay Narayan	Research Engineer	M.Tech	Food Technology	Food Technology

## ADMINISTRATIVE STAFF

34	Janardhana L	Accounts Officer	B.Sc
35	Satyanarayana P	Senior Research Scientist	B.E
36	Ram A	System Administrator	BCA
37	Madhura M Nadgir	Office Assistant	B.Com
38	Raghu K R	Admin. Assistant	B.Com

### ONGOING FUNDED PROJECTS

Sl. No.	Name of the Project/ Endowments, Chairs	Name of the Funding Agency
1	Testing and measurement of Homoeopathic Medicines Potency using their Colligative Properties	AYUSH
2	Development of high temperature Fiber-Braff Grating (FBG) strain sensors for static strain measurement upto 800 c using optimization of certain critical parameter before, during and post fabrication of FBGs	ISRO
3	An all Optical Fiber Based Sensor System for Measurement of Vital Body Parameters for Early Detection of Parkinson's disease	DST-TARE
4	An Electrochemical Approach to Recover Silk Sericin from Degumming Waste Water	SERB
5	Vulnerability of East Coastal Antarctic to surface melt and ponding Scientific Expedition to Antarctica (South Pole)	NCPOR -MOES
6	Estimation of time series of AAR of Himalayan sub-basins	ISRO
7	Silk protein based biopolymer as substrate for spheroid or 3D cell growth.	BIRAC

Sl. No.	Name of the Project/ Endowments, Chairs	Name of the Funding Agency
8	Polar Cryosphere Studies for Climate Change - Phase - 2	TITCL
9	3D cell culture (spheroids) models to study tumor microenvironment - Phase - 2	TITCL
10	Scientific analysis of south Indian paintings/digitization of manuscripts - Phase - 2	TITCL
11	Development and Evaluation of an Innovative Spray Formulation to Mitigate widespread leaf spot disease in Arecanut plants	HITEN
12	Fabrication of Improve water resistance biodegradable films from agro-wastes	TEC
13	Polar Cryosphere Studies for Climate Change - Phase - 3	PTICL
14	3D cell culture (spheroids) models to study tumor microenvironment - Phase - 3	PTICL
15	Scientific analysis of south Indian paintings/digitization of manuscripts - Phase - 3	PTICL
16	Development of a novel formulation for mitigating the prevalent <i>citrus canker</i> disease in <i>citrus Limon</i> - an innovative approach for sustainable farming	PTICL

<b>Sl. No.</b>	<b>Name of the Project/ Endowments, Chairs</b>	<b>Name of the Funding Agency</b>
17	Nuvokaapi soluble coffee cubes	NAAVIC
18	Biodegradable tableware from coffee grounds	NAAVIC
19	Productisation of nutraceuticals from onion peel waste by using green technology	NAAVIC
20	Biodegradable disposable single use diagnostic cassette	NIDHI PRAYAS
21	Bioactive Plant-Sericin Hemostatic Matrix for Next-Generation Wound Management	NIDHI PRAYAS
22	NAAVIC-NEO project title: Legume based soup powder formulation for the diabetic population	NIDHI PRAYAS

# FACULTY ARTICLES

1. ಧರ್ಮದ ಸೋಗಿನ  
ಕಟ್ಟಲೆಗಳಡಿಯಲ್ಲಿ,  
ಶೋಷಿಸಿದ ರೋಮನರಿಗೆದುರಾಗಿ  
ದಿಟವ ನುಡಿಯಲು ನೀನು

ಓ ಜೀಸಸ್...  
ನಿನ್ನನೇರಿಸಿ ಶಿಲುಬೆಗೆ  
ಮೊಳೆಬಡಿದು ಕೈಕಾಲುಗಳಿಗೆ  
ಮುಳ್ಳಿನ ಕಿರೀಟವನೇರಿಸಿ ಮುಡಿಗೆ  
ಹಿಂಸೆಗೊಟ್ಟವಮಾನಿಸಿದವರ

ಸಾಲದೇ, ನೀ ಸತ್ತಿರುವೆಯೆಂದು  
ಮನದಟ್ಟಾಗಲು ಪಕ್ಕಗಾ ಈಟಿಯಲಿ  
ಚುಚ್ಚಿದವರ, ನೆತ್ತರ ಹನಿಹನಿಯನೂ  
ಬಸಿದವರ

ಕ್ಷಮಿಸಿಬಿಡು ಎಂದಾಕ್ಷಣವೇ  
ಬೇಡಿದೆಯಲ್ಲ, ದೇವರಲಿ,  
ಅದಕಲ್ಲವೇ ನೀಯೇಸು ನೀಶ್ರಿಸ್ತ,  
ನೀತೋರಿದ ದಾರಿಯಲ್ಲಿ, ನಡೆಯದ  
ಈ ಮನುಕುಲದ ಬದುಕಿನಲಿ  
ನೆಮ್ಮದಿ ಅಸ್ತವ್ಯಸ್ತ

ಗೆಳೆಯಾ,  
ವಿದ್ಯುಜ್ವಾಲದಲೇನಾದರೊಮ್ಮೆ  
ಅಳತೆಮೀರಿದ ಹರಿವುಂಟಾಗಲು  
ಅದರಪಾಯವ ತಡೆಯಲು  
ಈ ನೆಲದಾಯಿ ಹೀರುವಳು  
ಅಳತೆ ಮೀರಿದುದನು  
ಕಾಪಾಡುವಳು ನಮ್ಮೆಲ್ಲರನು

ಗೋಣಗದೆಯೆ ಕೊರಗದೆಯೆ  
ಮರುಗುತ್ತಾ ಕ್ಷಮಿಸುವಳು  
ನಾವೇನು ಮಾಡಿದರೂ  
ಮಾಡದಿದ್ದರೂ

ಅಂತೆಯೇ  
ಒಳಿತೋ ಕೆಡುಕೋ  
ಕ್ಷಮೆಯ ಮೀರಿದ ಶಕ್ತಿಯಿಲ್ಲ,  
ಸೈರಣೆಯ ಮೀರಿದ ಆಯುಧವಿಲ್ಲ,  
ಮನ್ನಿಸಿದ ಮೂರುತಿಗೆ  
ಮಣಿಯುವುದು ಜಗವೆಲ್ಲ,  
ಅದಕಾಗೇ,  
ಹುಟ್ಟು ಮರುಹುಟ್ಟುಗಳಾಚೆಗೆ  
ನಿನ್ನಂತ ಎಷ್ಟೋ ಮಂದಿಗೆ  
ಅಂದಿನಿಂದಿನವರೆಗೆ  
ಅರಿತೋ ಅಲ್ಲದೆಯೋ  
ನೀನಿತ್ತ ಉಪಟಳಕೆ ಕ್ಷಮಿಸಿರೆಂದು  
ಬೇಷರತ್ತಾಗಿ ಕೇಳ -  
ಬಲ್ಲೆಯಾ

ಅಂತೆಯೇ ಅವರೆಲ್ಲ ನಿನ್ನಗೆ  
ಬಗೆದಿರಬಹುದಾದ ಕೇಡಿಗೆ  
ಒಂದೇಟಿಗೆ ಅವರೆಲ್ಲರನು  
ಬೇಷರತ್ತಾಗಿ ಕ್ಷಮಿಸಿಬಿಡ -  
ಬಲ್ಲೆಯಾ

ಇತರರ ತಪ್ಪುಗಳನ್ನು ನಾನು ಕ್ಷಮಿಸುವಂತೆ  
ನನ್ನ ತಪ್ಪುಗಳನ್ನು ನೀನು ಕ್ಷಮಿಸು  
ಎಂದು ಅವನಲ್ಲಿ, ಮನಸಾರೆ ಬೇಡ-  
ಬಲ್ಲೆಯಾ  
ನಿನ್ನೆಲ್ಲ ಲೆಕ್ಕಾಚಾರವ ಸಮವಾಗಿ-  
ಬಲ್ಲೆಯಾ

"ಅಮೆನ್"

-----  
ಕನ್ನಡದ ಸರದಾರ  
ಜನಾರ್ದನ  
ಗುಡ್ ಫ್ರೈಡೇ  
೧೮ ಏಪ್ರಿಲ್ ೨೦೨೫  
ಇಳಿಹೊತ್ತು  
ಮೂರೂ ಮೂವತ್ತು  
-----

ವಿದ್ಯುಜ್ವಾಲ= ಎಲೆಕ್ಟ್ರಿಕಲ್ ಸರ್ಕೀಟ್  
ನೆಲದಾಯಿ= ಭೂಮಿ ತಾಯಿ, ಕ್ಷಮೆಯಾ ಧರಿತ್ರಿ, ಅರ್ತಿಂಗ್

-----  
ಕನ್ನಡದ ಸರದಾರ - ಜನಾರ್ದನ

2. ಪಗಡೆಯಾಡಿದ  
ಪೊಡವಿಯೊಡೆಯರ  
ಪಡೆಗಳೆರಡರ  
ನಡುವೆ ನಿಂತಾಡಿದ  
ನುಡಿಸಾಲುಗಳ  
ಗೀತೆ

ಬಾಣ ಹೂಡು ಹೋರಾಡು  
ಎಂದು ಮೊದಲಾಗಿ  
ಶರಣಾಗು ಎಂದು  
ಕೊನೆಗೊಂಡ  
ಗೀತೆ

ನೂರೊಂದು ಮೋಹಗಳ ತಂದೆಗೆ  
ಧೃತರಾಷ್ಟ್ರನೆಂಬ ಅಂಧಗೆ  
ಕಣ್ಣಾದ ಸಂಜಯ ಬಣ್ಣಿಸಿದ  
ಗೀತೆ

ನಮ್ಮೇ ಬದುಕಿನ  
ಎಂಬತ್ತ ನಾಲ್ಕು ಲಕ್ಷದ  
ಪಾವಟಿಗೆಗೊಂದು ದೀವಟಿಗೆ  
ಗೀತೆ

ನಾನು  
ನನ್ನವರ ಮೇಲೆ  
ಹಲ್ಲೆ ಮಾಡಲೇಕೆ  
ಎಂದವಗೆ  
ನೀನಾರು, ನಿನ್ನವರಾರು  
ನಾನೇ ಎಲ್ಲಾ,  
ನೀನೆಂಬುದಿಲ್ಲ,  
ಎಂಬರಿವು ಮೂಡಿಸಿದ  
ಗೀತೆ

ನೀ ಹಿಡಿದ ಕೆಲಸ  
ಮಾಡುವುದು ನಿನ್ನ ಕೆಲಸ  
ನಿನ್ನ ಕಾಯುವುದು ನನ್ನ ಕೆಲಸ  
ಆತನಕ ಕಾಯುವುದು ನಿನ್ನ ಕೆಲಸ  
ಕಾಯಕವೇ ಕೈಲಾಸ - ಇದೇ  
ಗೀತೆ

ಗೀತಾಚಾರ್ಯನ  
ಹೊತ್ತು ಹೆತ್ತು  
ಎತ್ತಾಡಿದ  
ದೇವಕಿ ಯಶೋದೆಯರ  
ಭಾಗ್ಯವೆಂದರೆ  
ಮಾತೇ



Mr. Janardhana L  
Accounts Officer, CIIRC



## ATAL INCUBATION CENTRE Jyothy Institute of Technology Foundation 2024-2025



**Atal Incubation Centre – Jyothy Institute of Technology Foundation (AIC-JITF)** is an incubation center supported by AIM, NITI Aayog and the Govt of India. It marks a new era in the field of scientific entrepreneurship enabling aspiring individuals, students and faculties to incubate and to build their start-up ventures.

AIC-JITF is housed in [Jyothy Institute of Technology](#), which also has a state of the art R&D center – [CIIRC](#). AIC-JITF leverages the resources available within the campus such as access to laboratories, workshops, development and testing centers, computing resources, library and the guidance of highly qualified faculty and researchers.

In addition to this, AIC-JITF also has access to a network of eminent professionals, academicians, bankers, venture capitalists and businessmen, who can extend support to new ventures. It also focuses on the following thrust areas:

- **Materials**
- **Food Technology**
- **Devices and Sensors**

## Trainings & Events

An outreach program had been organized to the students of St. Fransis College on 3<sup>rd</sup> April 2024



An online outreach program had been organized by AIC Jyothy in association with a Venture Center on 7<sup>th</sup> May 2024 and the topics were – “Insights into grant writing” and “Understanding BIRAC’s BIG Scheme”. Mrs. Smita Kale and Mrs. Shalini Singh were the speakers of the session.

**VENTURE CENTER** **BIG** **AIC Jyoty**

**Understanding BIRAC's BIG Scheme**  
Know More Series...

**Tuesday**  
7th May 2024

**Starts At**  
4:00 PM

**Online**  
MODE

**Smita Kale**  
Advisor, Bioincubation,  
Venture Center  
**Topic:**  
Insights into  
Grant Writing

**Shalini Singh**  
Specialist, Funding  
programs, Venture Center  
**Topic:**  
Understanding  
BIG Scheme

<https://tinyurl.com/BIG-talk7thMay>

**REGISTER NOW**

**Collaborating Partners**

**B.B.B.** BSC BioNEST Bio-Initiator

**Jyothy Institute of Technology Foundation**

**For queries: Siddhi Bodke : siddhi.bodke@venturecenter.co.in | +91 9156465137**

AIC Jyothy was one of the strategic partners for the event-Bengaluru Annual Social Innovation Summit to promote and support Social Entrepreneurs in various fields organized by the Rotary District 3192 on 18<sup>th</sup> May 2024.

The poster for the Bengaluru Annual Social Innovation Summit features the BASIS 3.0 logo, Community Economic Development logo, and Rotary District 3192 logo. The event is titled "Multi-District & Multi-club Social Innovation Summit" and is held at People's Trust campus, Sriramanahalli, Rajanukunte on 18th May 2024 from 10 am-5 pm. It invites social entrepreneurs in areas like Water Preservation, Food Security, Good Health, Better Environment, Literate India, GI tag based Industry, Renewable Energy, Handicrafts & Cottage Industry, and Eco-cultural Tourism. The event aims to showcase products/technologies/business models to stakeholders including Angel Investors, Small Business Banking, Incubators & Accelerators, Mentors, Marketing Network, Customers, and MSME Support System. Strategic implementation partners include People's Trust, BASIS 3.0, AIC Jyothy, and Navya Disha. Contact information for Rtn. V Sasikumar, Rtn. Udayakumar L, and Rtn. Abhilekha Mantri is provided.

A two-day Boot camp had been organized by AIC Jyothy in association with Aroh Foundation on the 4<sup>th</sup> and 5<sup>th</sup> June 2024 to promote Women Entrepreneurship.





ATAL INCUBATION CENTRE, JYOTHY INSTITUTE OF TECHNOLOGY,  
off Kanakapura Road, Thathaguni, Bengaluru, Karnataka 560082

4-5 JUNE 2024

Time	Event	Facilitator
<b>DAY 1</b>	<b>4 JUNE 2024</b>	
9:30 AM- 10:00AM	Registrations	Niharika,
10:00 AM-10:30 AM	Inauguration and setting the tone of the event	DR. ANANTHA, CEO, AIC JITF KRISTEENA GROVER, AROH FOUNDATION
10:30 AM- 11:00 AM	Introductions	All Participants
11:00 AM- 11:15 AM	<b>Hi Tea</b>	
11:15 AM-1:00 PM	History of Entrepreneurship, Traits of an Entrepreneur and Why Entrepreneurship is Important	Kristeena Grover, Program Head, Aroh Foundation
1:00 PM-1:30 PM	<b>WORKING LUNCH BREAK</b>	
1:30 PM- 2:30 PM	Opportunity Identification and Sources for Validation	Kristeena Grover, Program Head, Aroh Foundation
2:30 PM-3:30 PM	Technology Adoption & IP Creation for a New Venture	Bindu Sharma, Founder & CEO, Origiiin IP Solutions*
3:30 PM- 4:30 PM	Introduce your Idea in 3 min	<b>ALL PARTICIPANTS</b>
<b>DAY 2</b>	<b>5 JUNE 2024</b>	
9:30 AM-11:15 AM	Design Thinking	Kristeena Grover, Program Head, Aroh Foundation
11:15 – 11:30 AM	<b>Hi-Tea</b>	
11:30 Noon -12 Noon	Group Activity	Kristeena Grover, Program Head, Aroh Foundation
12:00 Noon- 1:30 PM	Discussion on Group Activity	Kristeena Grover, Program Head, Aroh Foundation
1:30 PM- 2:00 PM	<b>WORKING LUNCH BREAK</b>	
2:00 -3:00 PM	Lean Business Model Canvas	Kristeena Grover, Program Head, Aroh Foundation
3:00 PM – 3:30 PM	Elevator Pitch	Kristeena Grover, Program Head, Aroh Foundation
3:30 PM-4:30 PM	Finance Support Available for Startups	DR. ANANTHA, CEO, AIC JITF

AIC Jyothy in association with Hand in Hand Academy, had organized an orientation program on Entrepreneurship for the Indian Army personnel on 22<sup>nd</sup> June 2024.



**FROM ARMY TO ENTREPRENEURSHIP**

**ORIENTATION PROGRAM ON ENTREPRENEURSHIP**

**FOR INDIAN ARMY PERSONNEL**

**22<sup>nd</sup> JUNE 2024 At MEG BANGALORE**

Golden Opportunity for "To Be" Retired Army Personnel to start a New Enterprise with Seed Funding of Rs.2 Lakhs

*Powered By*



ATAL INCLUSION CENTRE  
JYOTHY INSTITUTE OF  
TECHNOLOGY FOUNDATION  
Supported by Atal Innovation Mission, NITI Aayog, Govt. of India



**AIM**  
ATAL INNOVATION MISSION

*In Association With*



HAND IN HAND ACADEMY  
FOR SOCIAL ENTREPRENEURSHIP  
(Promoted by Hand in Hand India)



## Army to Entrepreneurship

AIC Jyothy in association with Hand in Hand Academy, had organized Army to Entrepreneurship Program from 20<sup>th</sup> to 27<sup>th</sup> August 2024.

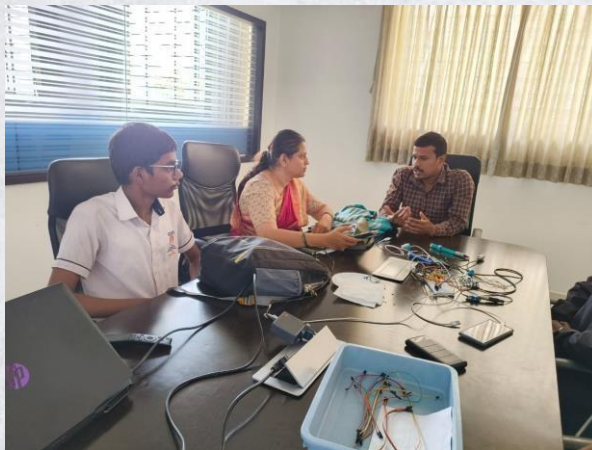
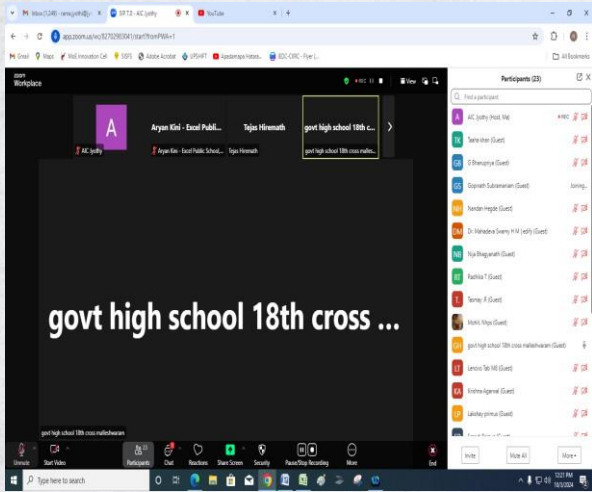


AIC Jyothy had organized a STUDENT ENTREPRENEURSHIP DEVELOPMENT PROGRAM (EDP-2024) at Guru Nanak Dev Engineering College Bidar from 15<sup>th</sup> to 19<sup>th</sup> July 2024



## Student Innovator Program 7.0

Atal Innovation Mission (AIM), NITI Aayog conducted the ATL Tinkering Innovation Marathon 2023, where the ATL students across the country submitted their innovative ideas. After 2 rounds of evaluation, the top 100 teams were selected to collaborate with Atal Incubation Centres under the ATL Student Innovator Program. AIC Jyothy was allotted 12 student teams, for whom SIP 7.0 was conducted from Nov 2024 to Feb 2025





ATIL INCUBATION CENTRE  
JYOTHI INSTITUTE OF  
TECHNOLOGY FOUNDATION  
Supports the Innovation Process, 877 8th Stage, 1st Floor



**AIM**  
ATIL INNOVATION MISSION

**STARTUP  
KARNATAKA**



## JOIN THE GROWTH STORY OF BHARATH - AWARENESS SESSION ON STARTUP ECOSYSTEM AND FUNDING OPPORTUNITIES

### TOPICS:

- Knowledge-based sessions on Startup Ecosystem in India and Proactive Measures taken up by Karnataka
- Basics of Startup Funding and Angel Investment
- Trending Opportunities for Startups

Join through this QR code



Know about how You can access support systems to bring your ideas into reality and Grow Your Business

**BIDAR CHAPTER**

23rd October | 3:30 to 5:00



ATIL INCUBATION CENTRE  
JYOTHI INSTITUTE OF  
TECHNOLOGY FOUNDATION  
Supports the Innovation Process, 877 8th Stage, 1st Floor



**AIM**  
ATIL INNOVATION MISSION

**STARTUP  
KARNATAKA**

## JOIN THE GROWTH STORY OF BHARATH - AWARENESS SESSION ON STARTUP ECOSYSTEM AND FUNDING OPPORTUNITIES



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- Trending Opportunities for Startups

Join through this QR code



Know about how You can access support systems to bring your ideas into reality and Grow Your Business

**SHIMOGGA CHAPTER**

24th October | 3:30 to 5:00

A workshop on “Idea to Startup” was organized for the students of Ramanashree Academy of Management on 24th October 2024, on the occasion of Suvarna Bharathi Mahotsava.

**ciirc**  
CENTRE FOR INCUBATION, INNOVATION,  
RESEARCH & CONSULTANCY  
(SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION, RECOGNISED BY DSR, GOVT. OF INDIA)

**WORKSHOP ON THE OCCASION OF SUVARNA BHARATI MAHOTSAVA**

**IDEA to STARTUP**

**Innovation Entrepreneurship Development Center**

**Technical Content**

**FUNDAMENTALS**

- Introduction to Startup Ecosystem
- Idea to Startup
- Session by successful startup Founders

**HANDS ON**

- Team Activity
- Idea Generation games
- How can you effectively narrow down a list of ideas generated through divergent thinking
- Presenting your final idea

**VENUE**  
CIIRC,  
JYOTHY INSTITUTE OF TECHNOLOGY CAMPUS,  
OFF KANAKAPURA ROAD, TATHAGUNI, BENGALURU

**TEAM**

- Dr. M.G. Anantha Prasad
- Mrs. Rama Jyothis
- Mr. Nithin Kumar

SCAN TO REGISTER  
DATE: 24th Oct 2024  
TIMINGS : 9:30AM TO 4:30 PM

**ABOUT CIIRC**  
CIIRC\* is a multidisciplinary research, innovation, and incubation centre and a joint initiative by Sri Sharadha Peetham, Sringeri, and Jyothy Institute of Technology (JIT). CIIRC is recognized as a Scientific and Industrial Research Organisation (SIRO) by DSR, Govt. CIIRC\* has emerged with a promise of ushering a new philosophy by bringing, for the first time on the same platform, diverse components of science, engineering, business orientation and skill development with emphasis on innovation, incubation and research, leading to successful entrepreneurship. An understanding of all these three aspects thus forms the core of academic & research orientation at CIIRC\*, for further information visit <https://ciirc.res.in>

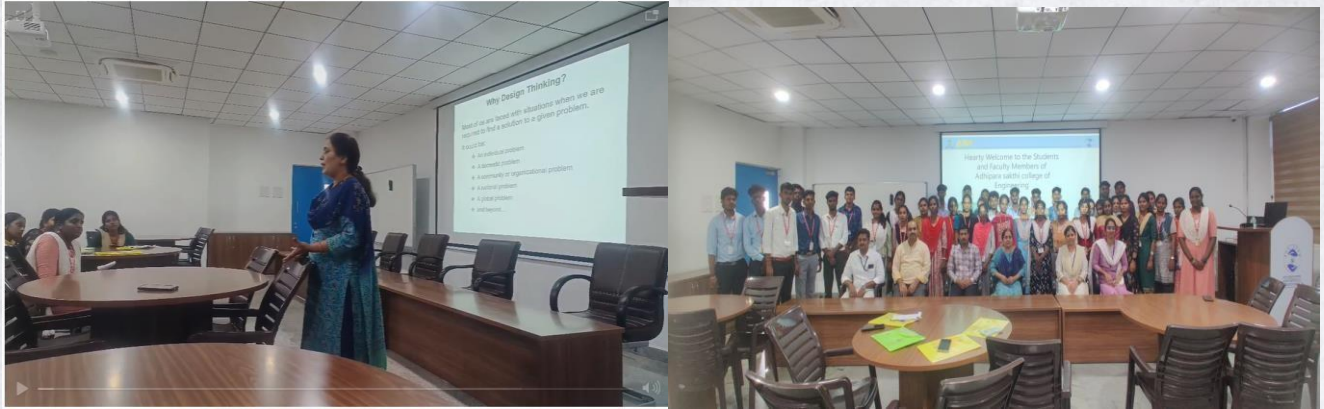
+918217553160    [suvarnabharati@ciirc.res.in](mailto:suvarnabharati@ciirc.res.in)    <https://ciirc.res.in>



An outreach program was organized to the students of Vivekananda Institute of Technology ( VKIT) on 13<sup>th</sup> December 2024



A workshop on Design Thinking had been organized to the students of Adhiparashakthi College of Engineering, Kalavai, Tamil Nadu on 21<sup>st</sup> March 2024.



## MoUs:

### MoU with St.Fransis College



### AIC Jyothy has signed MoU with Adhiparashakthi College of Engineering Kalavai, Tamil Nadu



## NEW STARTUPS ONBOARD

**Mati Carbon Pvt Ltd**

**Parna Creations Pvt Ltd**

**Magneta Mobility Solutions Private Limited**

**Cascore Bio Pvt Ltd**

**VNIR Biotechnologies Pvt Ltd**

# NATIONAL CADET CORPS



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**“Shaping Discipline, Leadership, and Service in Every Cadet.”**

# JYOTHY INSTITUTE OF TECHNOLOGY - NATIONAL CADET CORPS (JIT-NCC)



The NCC at Jyothy Institute of Technology (JIT) is an integral part of the institution, operating under the leadership of Lt. Dr. Manoj Kumar M, Associate NCC Officer. The unit maintains the highest standards of excellence, providing cadets with opportunities for adventure training, social service, and leadership development in a structured military environment. While NCC training does not impose any obligation for active military service, cadets receive preference in various selections based on their achievements in the corps. Through its multi-faceted programs, NCC plays a crucial role in nation-building by shaping young individuals into future leaders who contribute meaningfully to society.

## ESTABLISHMENT OF NCC DRONE TRAINING FACILITY

To meet the growing demand for drone technology in defense and surveillance, the 1 KAR UNIT NCC, led by Administrative Officer **Lt Col Vijay Fedricks**, initiated a new directive in April 2025 to prepare cadets for upcoming national-level drone competitions. Inspired by this vision, Jyothy Institute of Technology (JIT), Bengaluru, under the leadership of its Associate NCC Officer (ANO) **Lt Dr. Manoj Kumar M**, quickly established a dedicated Drone Training Center. With the full support of Director **Dr. Krishna Venkatesh** and Principal **Dr. Gopalakrishna K**, JIT integrated drone technology into its regular training curriculum, creating a comprehensive program that fosters hands-on skills and innovation among cadets. This collaborative effort between the NCC, the ANO, and the college management successfully created a pioneering drone training node for cadets.

## DEPUTY DIRECTOR GENERAL VISIT TO 1 KAR BN NCC

On **August 6, 2025**, the NCC unit of 1 KAR BN, Bengaluru 'A' Group, marked a momentous occasion by hosting **Air Commodore S. B. Arunkumar, VSM**, Deputy Director General (DDG) of the Karnataka and Goa NCC Directorate, in an event that stood as a proud milestone for the unit.



The DDG's visit was highly anticipated and marked a pivotal milestone in the growth of the newly established **Drone Training Facility** at Jyothy Institute of Technology (JIT), which is rapidly emerging as a model center for drone-based skill development within the NCC framework. He was accompanied by **Colonel Rajesh Sah, VrC**, Group Commander of Bengaluru 'A' Group, and **Lt. Col. R. D. Verma**, Commanding Officer of 1 KAR BN NCC. The presence of these distinguished officers added immense significance to the occasion, serving as a strong endorsement of the dedicated efforts of the training team and cadets.

## **OBSERVATIONS AND FEEDBACK**

**Air Commodore SB Arunkumar, VSM**, the Deputy Director General (DDG) of the Karnataka and Goa NCC Directorate, in his closing remarks for this segment, commended the cadets' comprehensive understanding of drone systems and praised the multi-disciplinary training model adopted at Jyothy Institute of Technology.

Concluding the visit, the Deputy Director General (DDG) addressed the unit with inspiring feedback and visionary insights, explicitly acknowledging the methodical approach taken by the Administrative Officer, **Lt. Col. Vijay Fedricks**, Associate NCC Officer, **Lt. Dr. Manoj Kumar M**, and the faculty in designing a future-proof, skill-oriented drone training curriculum. Recognizing the potential of this initiative to influence training practices across other NCC units.



**JAI HIND**



# PHYSICAL EDUCATION

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“Building champions one at a time.”

## DEPARTMENT OF PHYSICAL EDUCATION

### VISION:

To engage in relentless pursuit of excellence in Physical Education and Sports for health, fitness and wellness of the citizens.

### MISSION:

Quality teaching, learning and research in cognitive, psychomotor and affective domains in Physical Education and Sports.

### MESSAGE:

Physical Education is a vital part of holistic learning, fostering mental alertness, emotional stability, and social adaptability through physical growth and fitness. It helps students build strength, speed, endurance, and coordination while instilling values like teamwork, empathy, cooperation, and respect for rules which are essential for balanced personal and social development.

In today's technology-driven world, sports and physical activities are indispensable for maintaining health, fitness, and overall well-being. The Department of Physical Education is dedicated to the overall growth of students by promoting active participation in diverse sporting events.

Our students have proudly represented the institution at VTU, All India University, District, State, Notional levels, earning accolades and recognition. In the academic year 2024-25, they took part in several VTU-organised sports competitions, demonstrating commendable skill and sportsmanship.



**Dr Gireesha S**

BA, MPEd, MPhil , PhD

Physical Education Director



Football Team



Hockey Team



Archery Team



Handball Team



Kabaddi Team



Ball Badminton Team



Cricket Team



Basketball Team (Men)



Basketball Team (Women)



Volleyball Team



Chess Team



Tug of War Team



Swimming



Taekwondo



Athletics



Powerlifting



Badminton



Yoga

## **JIT Sports Activities 2024–2025**

1. International Yoga Day was celebrated on the 21st of June, 2024 at JIT, where students demonstrated Surya Namaskar and several other Yogasanas in the auditorium.
2. VTU Bengaluru South Division PED's Meeting was held online on the 25th of April, 2024 and offline on the 30th of April, 2024 at the VTU Campus, Belagavi.
3. Men's Football Team participated in the VTU Bengaluru South Division Tournament on May 22, 2024 at T. John College of Engineering.
4. Men's Hockey Team reached the finals of the Bengaluru South Division Intercollegiate Tournament on 31st May 2024 at Sri Sairam College of Engineering, Anekal. They defeated SJBIT 2–1 in the first round and emerged Runners-Up.
5. Archery (VTU Single Zone State Level) was held on July 21, 2024 at SKSVMACET, Laxmeshwar.

Participants:

- Y. Mallikarjuna Mahadev
- Prajwal N
- Yuvashree M

6. Independence Day celebration took place in the JIT Campus on August 15, 2024 in the presence of the Management, the Principal, all the staff members, the guests, students & NCC Cadets.

7. As a part of JPL, cricket and table tennis tournaments were held for the staff of JIT. The Table Tennis tournament was conducted on August 20, 2024 at the JIT campus. The cricket tournament was conducted on the 27th of August, 2024 at Sheen Academy. Other JPL events (Volleyball, Badminton & Tug of war) were conducted in the month of September 2024 at the JIT Campus.

8. Two Men teams of JIT took part in the VTU State level Swimming Competition, which was held on the 19th & 20<sup>th</sup> of June, 2024 at RV institute of Management and Technology, J P Nagar, Bengaluru.

Participants:

- Karthik Sriram M G (1JT23CS072)
- Suhas Glanson P (1JT23CS163)

9. Two Men Taekwondo teams took part in the VTU State level Taekwondo competition for men which was held on June 21, 2024 at GAT, Bengaluru.

Participants:

- Ravi Shankar v (1JT21ME003)
- Shashank L (1JT21CS095)

10. 12 Men & 8 Women Athletics team participated in the VTU State level Athletics meet which was organised from 26th to 29th June, 2024 by the Department of Physical Education, VTU regional centre, Mysore at the VTU Campus.

11. JIT Men's badminton team consisting of 5 Players participated in the VTU Bengaluru South Division Badminton Tournament which was held on 8th July 2024 at RVITM, Bengaluru.

12. 5 Men & 5 Women Chess teams of JIT took part in the VTU State level Chess competition which was held from 16th to 19th July 2024 at BMS college of Engineering.

13. Men & Women team of JIT took part in the VTU State level Power Lifting Competition which was held on 10th & 11th July 2024 at New Horizon College of Engineering, Bengaluru.

Kavya M (1JT22CV409) of JIT secured 2nd place in 84 kg Women category.

14. Five men & five women teams of JIT took part in the Yoga competition which was held on 23rd & 24th of September 2024 at Akshaya Institute of Technology, Tumkur.

15. Our College Women Ball badminton team took part in the VTU State Level Ball Badminton tournament for Women which was held on October 4, 2024 at GSSS Engineering College for Women, Mysore.

16. Our cricket team participated in the VTU South Division Men Cricket Tournament, 2024-25. The tournament was held on October 7, 2024 at SJBIT, Kengeri, Bengaluru.

17. Students of JIT took part in the VTU Bengaluru South Division Kabaddi tournament which was held on October 19, 2024 at Sri Sairam College of Engineering, Anekal, Bengaluru. JIT played against T John College of Engineering.

18. Women Basketball team of Jyothy Institute of Technology took part in the VTU Bengaluru South Division Basketball Tournament which was held on November 5, 2024 at RVITM, J P Nagar, Bengaluru.

19. The men's Volleyball team of Jyothy Institute of Technology participated in the VTU Bengaluru South Division Intercollegiate Volleyball Tournament which was held on the 22nd & 23rd of November, 2024 at ACS College of Engineering, Bengaluru. JIT won against RRCE in the first round.

20. Men Basketball team of JIT participated in the VTU Bengaluru South Division Basketball Tournament which was held on the 18th of October 2024.

21. Men Handball team of JIT took part in the BMS College Kreedotsav Tournament which was held on November 27, 2024.

22. Men's Tug of War Team of Jyothy Institute of Technology took part in the VTU Bengaluru South division Tug of War competition which was held on December 9, 2024 at GAT, Bengaluru.

23. Women Throwball team of JIT took part in the VTU Bengaluru South Division Throwball tournament. The tournament was held on December 12, 2024 at JVIT Bengaluru.

24. Men Handball Team of JIT took part in the VTU Bengaluru South Division Handball tournament which was held on the 13th of December 2024 at GAT, Bengaluru. JIT won the first match against SJBIT and qualified for the Semi-final.

25. Republic Day was celebrated on January 26, 2025 in the presence of members of the Management, the Principal, all the staff members, students and the NCC Cadets.

Jyothy Institute of Technology actively encourages student participation in VTU sports and games, with strong support from the Management, Principal, Vice Principal, Heads of Departments, and staff.



# LIBRARY

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**"Weaving the wisdom within the walls."**

## **J.I.T Library & Information Centre**

JIT Library is a resource centre for teaching, learning & research. Being the heart of the academic centre, it is home for all the information services. The objective of our library is to provide right information/knowledge to the right users at the right time. It is equipped in an area of 400 Sq feet. The library can accommodate 200 users at a time which is well ventilated and furnished.

### **COLLECTION ORGANISATION:**

The library has adopted an Open Access System. Documents are classified as per International Classification System 'Dewey Decimal Classification'. The library has a good collection of books covering engineering subjects. international, national journals, technical magazines & newspapers are subscribed to update subject knowledge. Reference section covers the latest year books, bibliographies, dictionaries, directories and handbooks. General knowledge books are also supported with other books which are helpful to prepare for the competitive exams/personal development activities.

### **AUTOMATION:**

"LIBSOFT" software is installed and used for library management. Bar-coding labels are pasted to all books in the library. 'Digital Borrower's Cards' are issued to all staff and students. The library is fully automated covering all its areas & OPAC facility is provided for users to locate the documents.

### **DIGITAL CENTER AND INTERNET FACILITY:**

The Library's Digital Centre has a good collection of CDs/ DVDs. Users can scan and refer to information available in CD's/DVDs. Also, internet facility is provided in the digital centre for web search.

### **E-RESOURCES**

The library has subscribed to e-resources through VTU Consortium which covers major publications and also to DELNET e-resources to help students/staff to get latest or current information. Through Knimbus platform users can access VTU Question Papers using email-id as login credentials.

## **REPROGRAPHIC FACILITY:**

Users can take Xerox copies of reading material available in the library from the library's photocopier.

## **INTER LIBRARY CO-OPERATION:**

Our faculty and students can visit libraries with their ID Cards for reference and also can take Xerox copies of literature of their interest for project, study or research purpose.

## **STATEMENT SHOWING NUMBER OF BOOKS UNDER UG AND PG COURSES**

### **UG- BE**

Books:	Titles:	2161	Volumes:	13704
Handbooks	Titles:	05	Volumes:	1776
Complimentary Copy	Titles:	405	Volumes:	536
Departmental Library Books:	Titles:	75	Volumes:	800
e-books	Titles:	2500	Volumes:	5090

### **PG- M.Tech**

Books:	Titles:	34	Volumes:	65
<b>Total:</b>	<b>Titles:</b>	<b>5180</b>	<b>Volumes:</b>	<b>21971</b>

## LIST OF NATIONAL JOURNALS SUBSCRIBED FOR THE YEAR 2025

SI No	Name
	<b>COMPUTER SC/INFORMATION SC</b>
1.	Jr on Software Engg
2.	IupJnl.of Computer Sciences
3.	IupJrl of Information Technology
4.	Journal of Computer Science
5.	Data Quest
6.	PC Quest
7.	Voice and Data
8.	Open Source for You (Linux For You)
9.	Tele Net Magazine
	<b>ELECTRONICS AND COMMUNICATION ENGG</b>
10.	Journal of Electronics Engineering
11.	IEEMA Journal
12.	Electronics for You

## LIST OF E-JOURNALS SUBSCRIBED FOR THE YEAR 2025

SI No	E-Journals
1	Elsevier
2	Springer Nature
3	IEEE ASPP & POP ALL
4	Emerald
5	EBSCO Engineering Suite
6	Eduport Global-CBS
7	BSP E-Books
8	Cengage Learning
9	Cambridge University Press
10	Mint Books
11	Quiklrn
12	IEEE Blended e-Learning Platform
13	Knimbus
14	Drillbit

## STAFF DETAILS

Mr. Mohan Kumar S	Librarian	MLISc, Phil
Mr. Rajshekar K L	Asst- Librarian	MLISc

### SARASWATHI POOJA @LIBRARY IN DIFFERENT THEMES

BOOKS GOPURA THEME



ONLINE CLASSES & e-RESOURCES THEME



BOOKS & JOURNAL THEME



VANA MAHOTSAV THEME



GREENARY THEME



MUSIC INSTRUMENTS THEME



READING TABLE & CHAIRS THEME



PEACOCK THEME



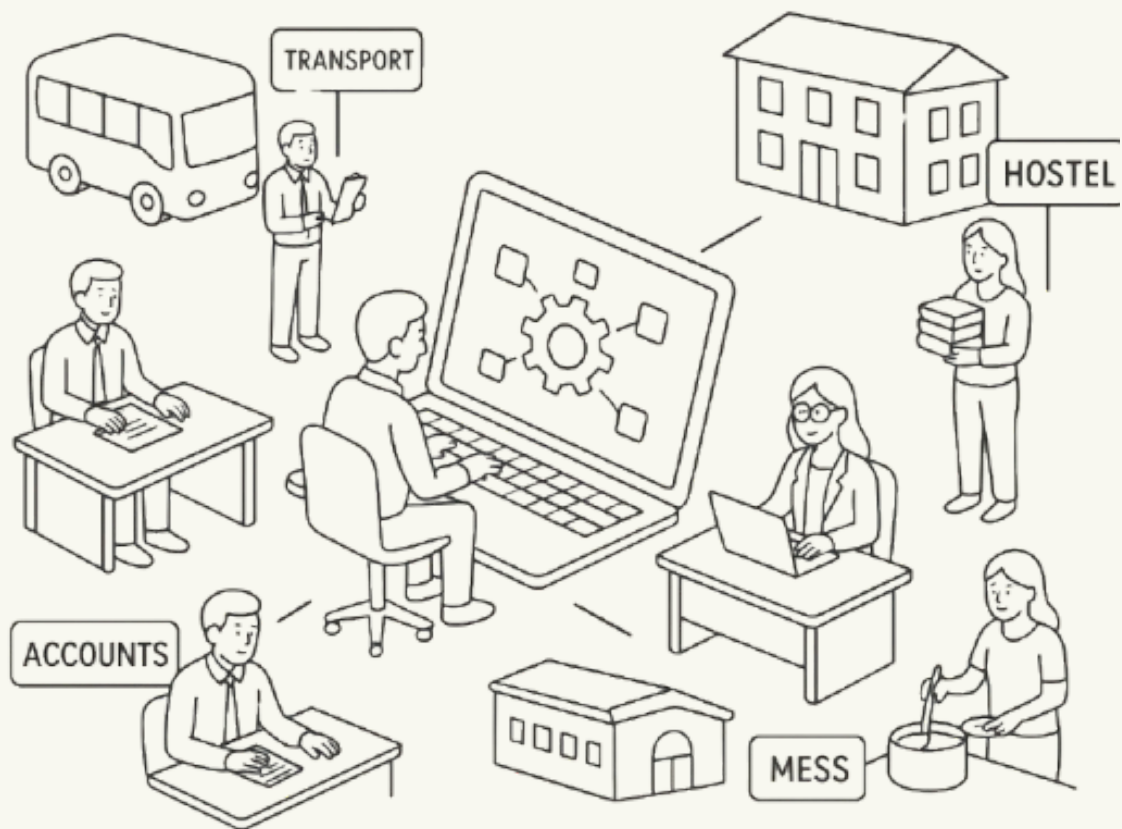
BOOK MANTAPA THEME



AMBARI THEME



# EXTENDED FAMILY



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**“The unsung heroes who keep our campus alive.”**



# ADMINISTRATION

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"Adminstrivia: where efficiency meets compassion."



# HOSTEL-IN-CHARGE

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"Dorm life diaries: Hostel hustle and bustle."



# TRANSPORT DEPT.

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"Transporting dreams: Connecting students ,one ride at a time."



# SUPPORT STAFF

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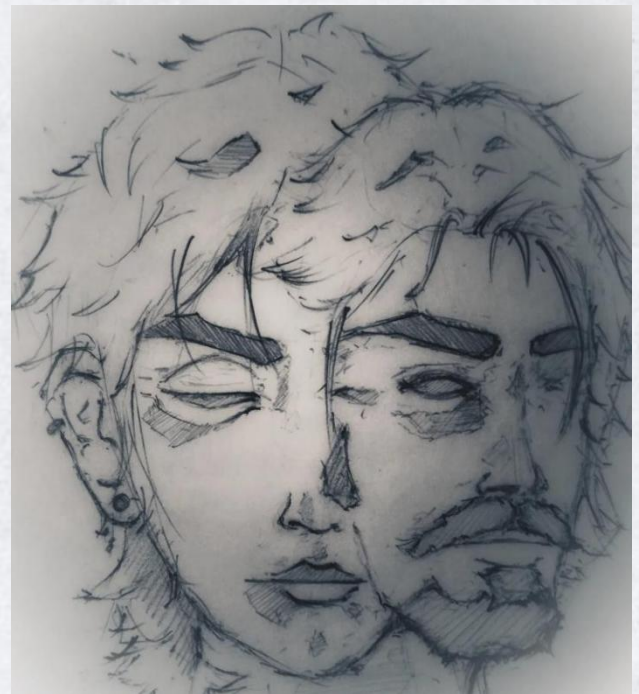
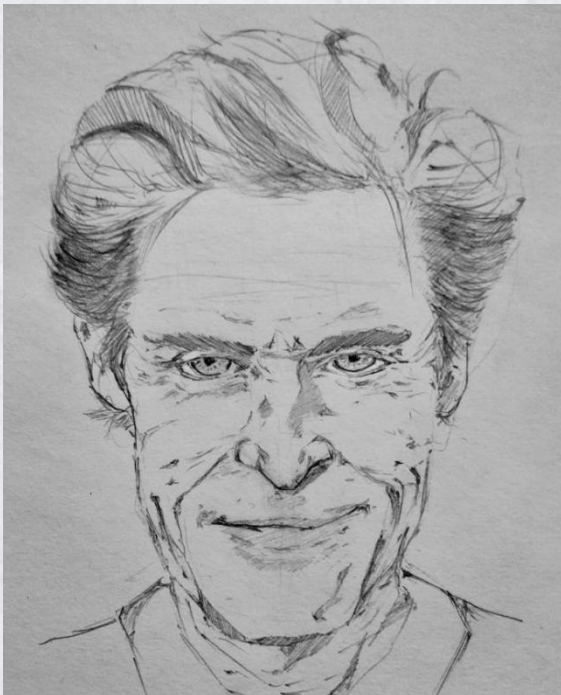
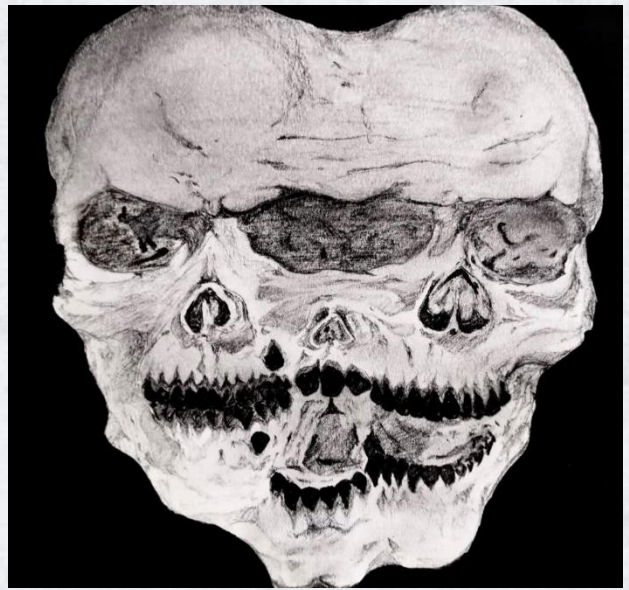
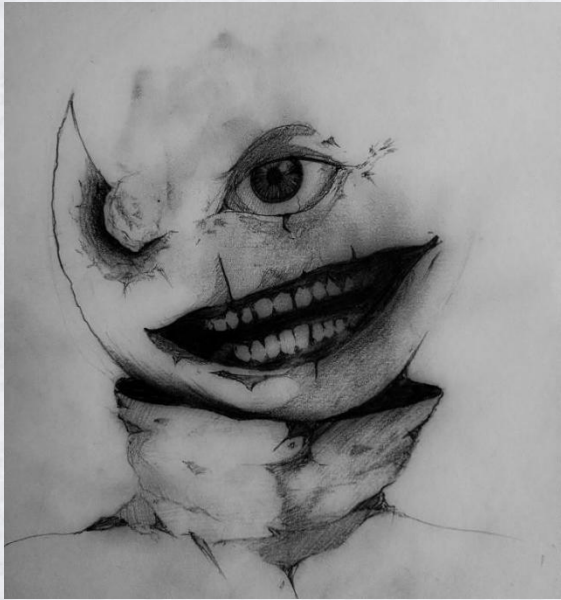
**"Supporting dreams, creating smiles:  
The unsung champions."**



# STUDENTS' ARTICLES

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"Expressions of intellect and imagination."



Dhiraj B S  
5<sup>th</sup> sem ECE

## The Beauty of Serenity

Serenity is not just a feeling; it is the art of staying quiet and calm in a world full of chaos. It's the art of breathing between the lines, cherishing in silence, feeling the moment, simply existing. Serenity isn't about being in a noise-free environment; it's about finding peace amidst the noise. True serenity is not about capturing moments for a social media post; it's about living the moment and truly feeling it. Serenity is the silence after an unexpected goodbye, and even after an expected one. We smile at our happiest memories in silence, question ourselves quietly, rethink decisions alone, and notice the little things when no one else is watching. Serenity teaches us to listen, not just to others, but to ourselves, especially when the world is spinning chaotically fast. It is the art of living a life full of conversations, deadlines, and expectations, yet still pausing to breathe. Though we often find ourselves running endlessly for nothing, real life often happens in the between the pauses, the silence and calm in chaos. Just as the pauses between verses make a song more beautiful letting us rewind and truly feel the lyrics, the pauses in life make it meaningful. Pauses are not the end; they are often the beginning of something more beautiful. In speeches, a pause adds value to emotions. To pause is to trust that life doesn't always have to be rushed in order to be constant. Just like a song without a pause becomes noise, a life without rest becomes chaos. Serenity is the silent warmth of a hug when you miss someone the most. It's the familiar ache in your chest when you close your eyes and imagine what it would be like to hold them again, just once more even tighter than before if life gave one more chance. It's sitting in the quiet of your own solitude, realizing how impactful their presence was how their laughter, their voice, even their silence, touched your soul. It's also understanding that things have changed, and letting go of things not with loud grieving, but with silent love. No regrets, only cherished memories. Serenity is moving forward with a soft smile not because you've forgotten, but because you've remembered enough to be grateful. It reminds us that resting is also a form of growth. That being gentle with ourselves and with the world is a quiet kind of strength. Sometimes, doing nothing but simply breathing is the most powerful act of all. In simple words, the art of serenity is the art of living. It is not something we chase. It is something we choose.



Bhoomika Kulkarni  
2<sup>nd</sup> sem ISE

## Soaring High: Our Journey in Drone Training at Jyothy Institute of Technology

At Jyothy Institute of Technology, innovation meets opportunity. Under the directives of the Directorate General of NCC, our college recently introduced a Drone Training Facility, giving cadets the chance to explore one of the most exciting frontiers of technology.

We—CPL Tarun Subramanya BM, CPL Shreyas Pralhad Joshi and CDT Manish—had the privilege of being among the first to undergo this training. The journey began with a flight simulator, where we practiced rigorously and logged over 120 hours of virtual flying. This phase helped us build precision, confidence, and an understanding of drone dynamics. Once we were proficient in simulation, we moved on to the real challenge: assembling a drone from scratch. From wiring and sensor calibration to configuring the flight controller, each step tested our patience and problem-solving skills. We encountered multiple hurdles but, with persistence and teamwork, overcame them. The moment our drone finally lifted off was a truly unforgettable experience.

This success would not have been possible without the constant guidance of Mr. Naveen Reddy, Mr. Balamurlikrishna, and Mr. Harinand, whose expertise kept us motivated. We also extend heartfelt gratitude to our ANO, Lt. Dr. Manoj Kumar M, and the management of Jyothy Institute of Technology for entrusting us with this opportunity and supporting us throughout.

Beyond technical skills, the training taught us invaluable lessons in discipline, teamwork, and perseverance—qualities that define an NCC cadet. It also opened our eyes to the immense potential of drones in areas such as defense, agriculture, disaster response, and environmental monitoring. Being part of this initiative has been a matter of pride and inspiration. We hope our experience encourages more cadets to step forward and take advantage of this facility. With gratitude and excitement for the future, we look forward to soaring even higher.



Shreyas Pralhad Joshi

## POETRY COLLECTION

Four Reflections on Life, Death, and Purpose

### Death

When we are born,  
we are but a drop of water  
torn gently from the vast ocean,  
set adrift — alone, yet full of possibility.

That single drop begins its journey —  
flying, falling,  
meeting other drops along the way.

For a fleeting moment,  
they move together —  
this is what we call life.

It dances in clouds,  
it races through storms,  
it kisses leaves and climbs mountains,  
soaring as high as it dares,  
carried by winds of dreams and time.

But all journeys bend.  
And slowly,  
the drop begins to fall once more —  
older now, softer,  
no longer resisting gravity.

It falls not in fear,  
but in grace.  
Not as an end,  
but as a return.

For when it touches the earth again —  
it rejoins the stream,  
the river,  
the sea.

It becomes one with what it was separated  
from.

And this return,  
this quiet reunion,  
is what we call death.

Just 75

We get 75 years, if we're lucky.  
75 autumns painting the ground gold,  
75 summers wrapped in sunburns and mangoes,  
75 springs singing in petals and promises,  
75 winters that remind us how to breathe.

That's it?  
Just a blink —  
in a universe that's been humming for 70 billion years.

We arrive, we breathe, we laugh,  
we panic about exams,  
we fall in love with the wrong person at least once —  
and then we're gone.

But maybe that's the joke.  
Maybe that's the beauty.

Because it's this shortness  
that makes every cold wind feel like a secret.  
Every sunny morning like a second chance.

Even the irritating classes,  
the stupid assignments,  
the half-slept nights before a test —  
they're all chapters  
in the most absurd, brilliant book we never meant to write.

Life doesn't wait for us to figure it out.  
It dances,  
and dares us to laugh with it.

And in the end,  
it's not the length of the ride,  
but how loud we screamed when it dipped,  
how much we noticed on the way,  
and how often we remembered  
that even a blink —  
can hold a universe.

Just One Life

You get one shot.  
Not a rehearsal.  
Not a test.  
One breath-spun miracle  
wrapped in skin and lightning.

Everyone who could've existed —  
trillions of maybes —  
never did.  
But you?  
You're here.  
Awake.  
Alive.

So drink the sunrise  
like it was poured just for you.  
Count stars like confessions.  
Laugh at stupid jokes.  
Get your hands messy in things that make you feel.

Fall in love with silly.  
Cry when it hurts.  
Dance when it doesn't make sense.

And give.  
Give everything —  
to a dream,

to a person,  
to the fire in your gut that won't shut up.

Don't let anyone make you feel small.  
You are stardust with direction.  
You are chaos wrapped in purpose.

And they don't matter —  
those who try to dim you.  
They're just background noise  
in the symphony you're writing  
with every step you take.

So burn bright.  
Burn real.

Because this one life?  
It's yours.  
And that's the rarest thing in the universe.

## We Rise

We weren't born with crowns,  
nor handed gold-lined plans.

We came with calloused hopes  
and ink-stained hands.

No spotlight shined when we began,  
just flickers of belief —  
fragile, quiet,  
but ours.

We made a circle,  
not of comfort,  
but of challenge —  
of "keep going,"  
even when the night felt endless.

We rise —  
not because the path is smooth,  
but because we've decided  
failure won't define our truth.  
One hour, one page, one push at a time,  
we carve our way —  
not just to a degree,  
but to a future that feels like ours.

So if the world forgets us now,  
that's fine.

We'll remind it soon —

with results that echo louder  
than our silence ever could.



Amruth S Gowda  
3<sup>rd</sup> sem ECE

ಜೀವನ

ಹಿಂದೆ ನಡೆದಿರುವ ಬಗ್ಗೆಯೇ ಚಿಂತಿಸಬೇಡಿ  
ಮುಂದೆ ನಡೆಯುವುದರ ಬಗ್ಗೆ ಚಿಂತಿಸಬೇಡಿ

ಇಂದು ನಡೆಯುವ ಸಮಯ ಮುಂದೆ ಬರುವುದಿಲ್ಲ  
ಕಳೆದುಹೋದ ಸಮಯ ಮತ್ತೆ ಸಿಗುವುದಿಲ್ಲ

ಸೋಲು ಬಂದಾಗ ನಿಲಬೇಡಿ,  
ಗೆಲುವು ಬಂದಾಗ ಮೆರೆಯಬೇಡಿ,  
ದುಃಖ ಬಂದಾಗ ಕುಗ್ಗಬೇಡಿ,  
ಸುಖ ಬಂದಾಗ ಹಿಗ್ಗಬೇಡಿ.

ಜೀವನ ಚಿಕ್ಕದ್ದು  
ಕನಸುಗಳು ದೊಡ್ಡದ್ದು  
ಮತ್ತೆ ಅವಕಾಶ ಸಿಗದು

ಸಿಕ್ಕ ಸಮಯವನ್ನು ಉಪಯೋಗಿಸಿಕೊಳ್ಳಿ,  
ನಿಮ್ಮ ಜೀವನವನ್ನು ನೀವೇ ರೂಪಿಸಿಕೊಳ್ಳಿ,

ದೇವಕೊಟ್ಟ ಜೀವ  
ತಾಯಿಕೊಟ್ಟ ಧನ  
ತಂದೆ ಕೊಟ್ಟ ಜೀವನ  
ಗುರು ಕೊಟ್ಟ ಜ್ಞಾನ

ಸಮಯ ಕಲಿಸಿದ ಪಾಠ  
ಸೋಲು ಗೆಲುವಿನ ಆಟ  
ಇದೇ ಜೀವನದ ಪಾಠ

ಪೂಜಾ.ಡಿ.ಕೆ  
2<sup>nd</sup> sem CSE

My country

I love my country  
We are its boundaries  
Our flag flies across the land  
Shows the freedom and pride

We live with peace  
With cool green breeze  
Rivers and fountains  
Is a land of high mountains

Whatever caste or religion  
All live in union  
Temples are gold  
And we are bold  
Lets work hard  
For its safety be on guard

गर्मी भागी सर्दी आई  
घर घर में निकली रजाई  
सर्दी लगी रंग जमाने  
दाँते लगे किटकिटाने

पंखा छुप गये भाई  
कैसे आफत आई  
दिन लगी जल्दी जाने  
रात लगी पैर चलाने

बच्चे लगे कप कपाने  
ठंड से खुद को बचाने  
ढूँढ़कर लकड़ी लाए  
बैठे सब आग जलाने

चाय बजाने लगी शनाई  
कॉपी ने उत्सव मनाई  
सूट बूट मे सूरज चमका  
जन जन मे खुशियाँ दमका

दिया ज्ञान का भंडार हमें  
किया भविष्य के लिए तैयार हमें  
आप देते हो हमको शिक्षा  
फिर लेते हो हमारी परीक्षा

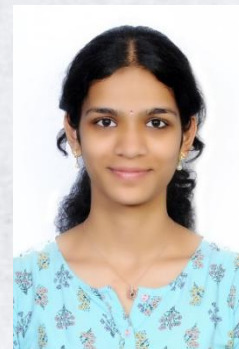
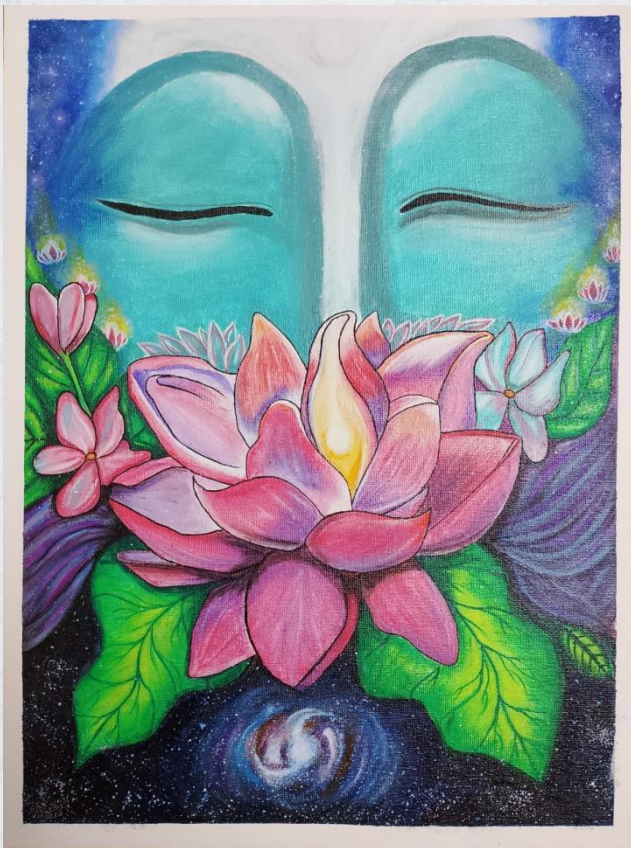
मेरी शिक्षक है बहुत बेचारे  
बच्चों की हरकतों की मारे  
है लेकिन बहुत ही प्यारे  
हम सब का जीवन सँवारे

अच्छे शिक्षक ये हमारे  
हम सब को रोज़ पढ़ाते  
शैतानी करने पर वो डाटते  
इसलिए वो हमको भाते

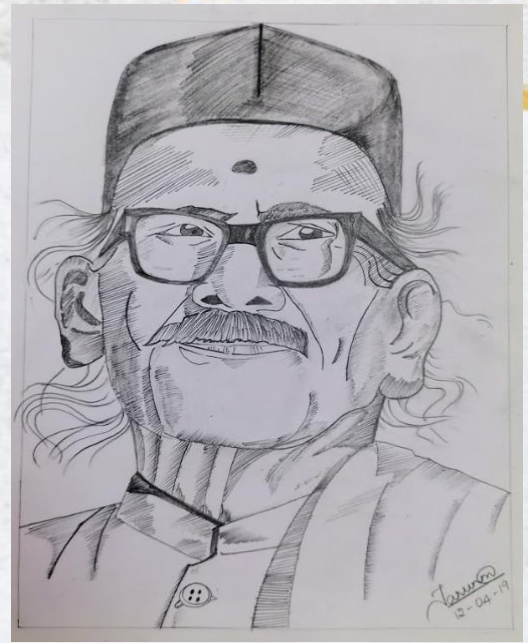
इस सब मे छिपा है एक  
आपका असीम प्यार  
धन्यवाद गुरुजी



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3<sup>rd</sup> sem ISE



Prerana Nagaraj Reddy  
3<sup>rd</sup> sem ECE





Tarun M  
3<sup>rd</sup> sem CSE

## The divine proportion

As I flipped through the pages of “The Da Vinci Code”, I came across a flashback that Langdon had about one of his lectures in Harvard. Before we dive deeper into what the lecture was about, let me tell you that Dan Brown has undoubtedly made me question my choice of career.

Robert Langdon (a fictional character) is a professor at Harvard who, through his obviously fascinating classes, teaches symbolism. Symbolism has managed to pique the interests of critiques and curious minds all the same. It has existed since the beginning of mankind. In one of his classes, Langdon speaks about a mathematical symbol, popularly known as the **divine proportion**.

Also known as the **golden ratio**—often symbolized as the Greek letter Phi ( $\Phi$ )—it is a mathematical constant approximately equal to 1.618033987. It is an irrational number and comes from the Fibonacci sequence of numbers. This number is very important in art, science, math, and nature. It is considered the most beautiful number in the universe. The most mind-boggling aspect of phi is its role as the fundamental building block of nature. Plants, animals and even humans possess dimensional properties that adhere with the eerie exactitude to the ratio of Phi to 1.

Still don't believe me? Well, here are a few examples. The female bees always outnumber the male bees in a honeybee community. If we divide the number of female bees by the number of male bees in any beehive in the world, you always get the same number – *Phi*.

Another instance is that of a nautilus (pl. nautili) – a rare aquatic animal. It has a rather interesting spiral anatomy, where the ratio of each spiral's diameter to the next is equal to **1.618**, *the divine proportion*.

As I mentioned earlier, Phi is closely related to several famous paintings that we see today. Leonardo Da Vinci's *The Vitruvian Man* is a good example to prove my point. Nobody understood the structure of the human body like Da Vinci did. He literally *exhumed* corpses to measure the exact proportions of the human bone structure. He was the first to show that the human body is made of building blocks whose proportional ratios always equal *Phi*.

In this tech savvy era, we often tend to ignore the wonders around us. This weekend, grab a book, get comfortable and read it. You might as well end up doing a frenzy research about a symbol that traumatised you in Physics and Math.

## **You Just Noticed It — Now It's Everywhere**

Ever learned a new word and then suddenly started seeing it everywhere? I always found it weird how I saw a girl for the first time — and then she began appearing everywhere, out of nowhere. I honestly thought I was hallucinating. Little did I know, there's actual science behind it.

This is known as the frequency illusion, or in more scientific terms, the Baader-Meinhof effect. Andreas Baader and Ulrike Meinhof were key members of a far-left militant group in 1970s West Germany called the Red Army Faction (RAF), sometimes referred to as the Baader-Meinhof Group. In 1994, a commenter on a forum mentioned that he had just heard about this group — and then started seeing references to them everywhere. Then others admitted experiencing the same thing. Since there was no official name for this phenomenon, people started calling it the Baader-Meinhof effect, and the name stuck.

This illusion is the result of cognitive bias. For example, one night I heard a weird noise while sleeping. Now, every single night, I *think* I hear the same sound (creepy, I know). Why? Maybe because I keep thinking about it way too much. Or maybe... there's a ghost in my room. We'll never know.

When you learn something new, your brain starts noticing it all around you. It feels like it appeared out of nowhere, but in reality, your brain simply ignored it until now. Once it registers as “important,” your subconscious begins scanning for it — everywhere.

Let's say there's a specific car you want to buy. Suddenly, everyone owns that exact model and is driving it around town like they're mocking you. That's the frequency illusion at play.

So, the next time this happens to you—relax. It's not your brain trying to gaslight you. It's just two random people giving you a tiny existential crisis.

## **Is scrolling endlessly really worth the “Dopamine”?**

Have you ever picked up your phone, opened Instagram or YouTube, and scrolled through short-form videos like there's no tomorrow? While this itself is a major issue, what's even worse is not being able to put your phone down, even after knowing it's wrong—and feeling bad about yourself for giving in to the abyss of brain-rot (yes, “brainrot” is not an official term).

It's almost like we've trained our brains to seek dopamine from short-form content without giving it a second thought. There are so many other ways one can unwind after a long day's work (provided one has actually worked a long day and not just spent most of the time scrolling again), and yet, our phones seem to be the most accessible and apparently fun way of doing so. I've found myself getting annoyed after scrolling for too long, closing Instagram, only to open it again the very next minute. It is absolutely frustrating.

There's a theory that if you reward yourself after completing a task, it will not only boost your confidence and make you more productive but will also increase the dopamine levels in your brain. Now, what is dopamine? In layman's terms, it's the feel-good hormone. In this context, “rewarding yourself” would typically mean eating your favorite snack, reading your favorite book, or calling your favorite person.

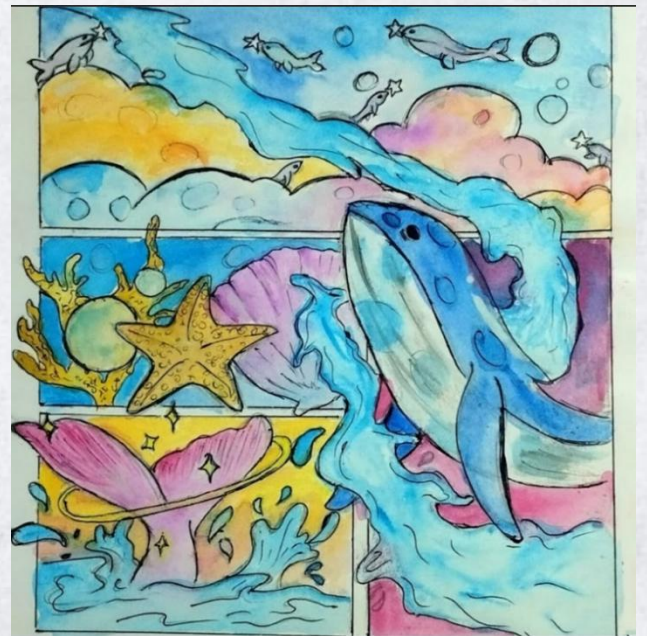
However, nowadays, people have begun rewarding themselves by endlessly scrolling and absorbing negative news. In fact, we tend to spend more time “rewarding ourselves” than actually completing the task. It’s like: 5 minutes of work, 30 minutes of scrolling. Many of us don’t even realize how much time we’re wasting.

The effects this has on our health are serious. Your brain and eyesight begin to deteriorate at a rapid pace. Like my mom puts it, “**It eats away your brain.**” By continuously consuming short-form content, we’ve lost our attention spans. You may not notice it now, but are you still reading this article, or did you give up way back, thinking it’s too long? How many of you can watch a 20-minute video without increasing the speed, skipping ahead, or just closing it? I know I couldn’t until a few months ago. Your lowered attention span is a clear indication of **how dull your brain has become.**

It’s high time we stop giving in to this cycle and reinvent ourselves for good. Instead of seeking dopamine in your phone, look for it in things that actually make you happy and *keep* you happy for a long time.

Eat a small candy. Play with your pets. Talk to your family. Call your loved ones. Go for a walk. Draw something. Read something. Or just write something! Remember, it’s the damn phone.





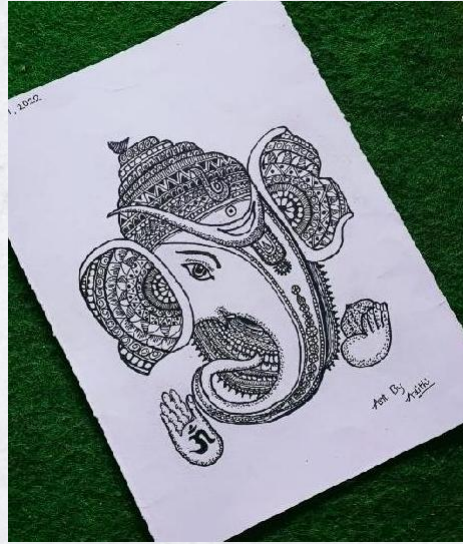
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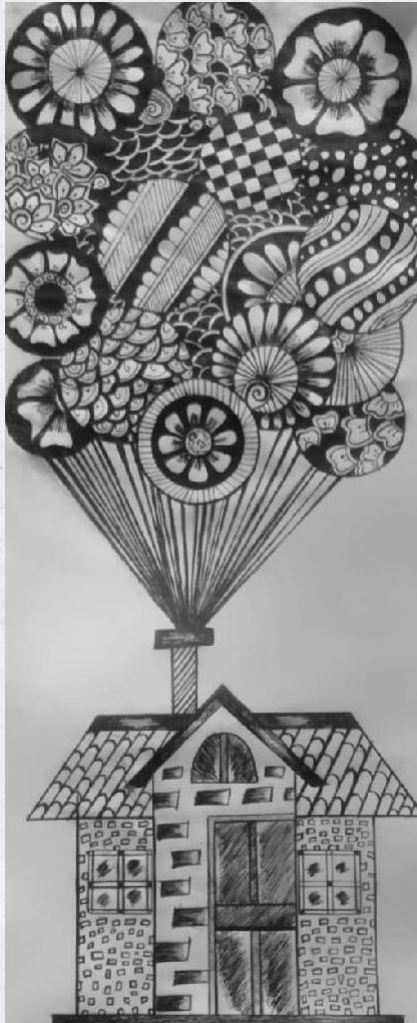
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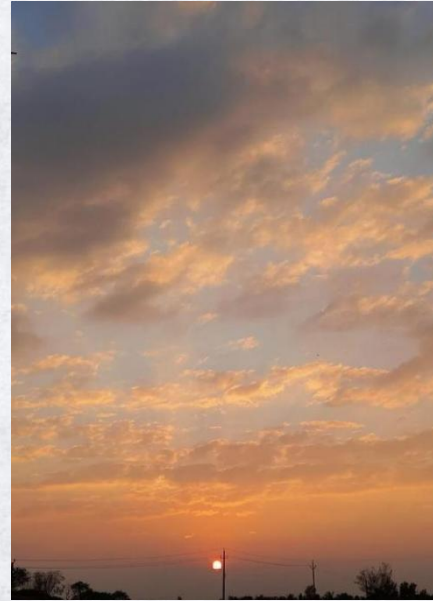


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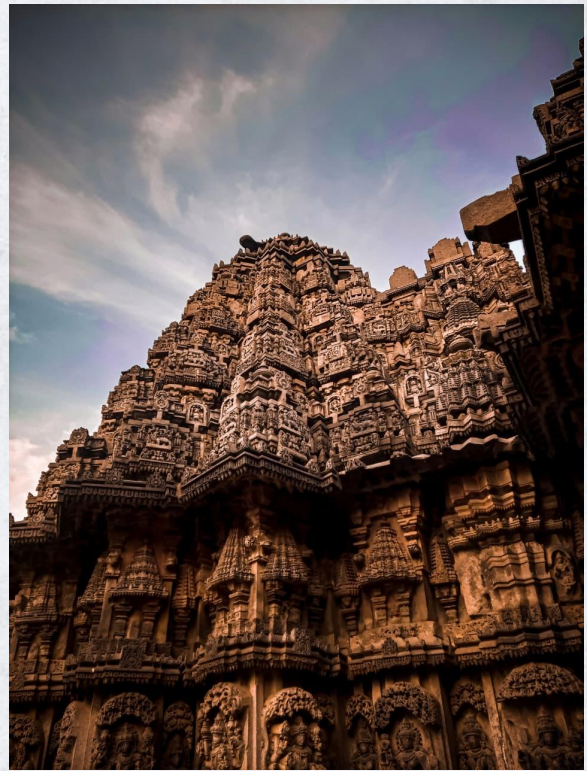
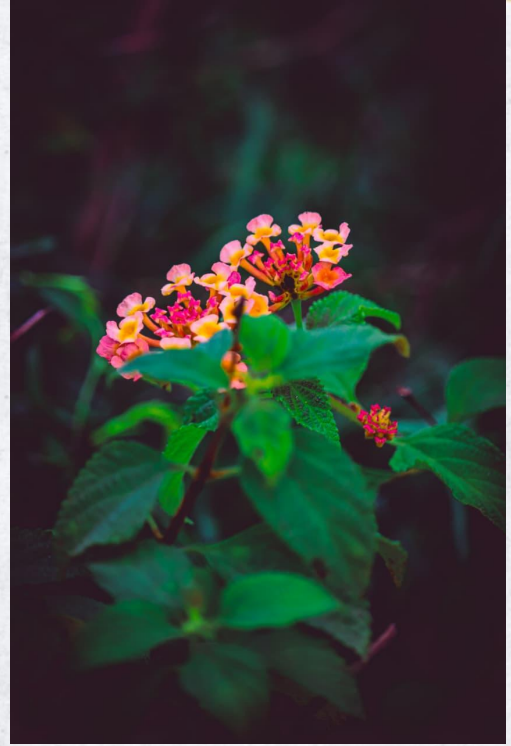
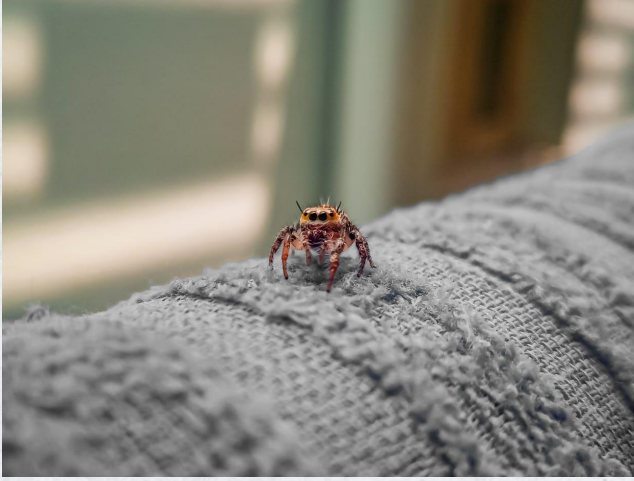


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**THROUGH THE LENS**



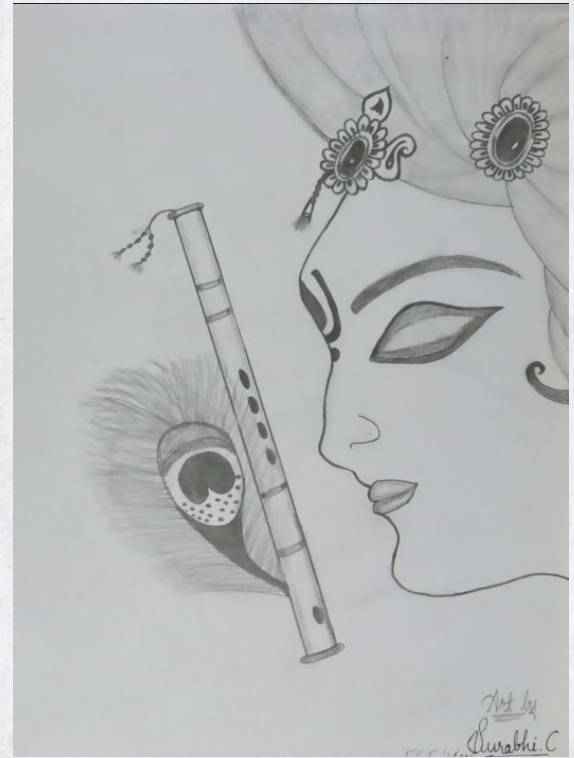
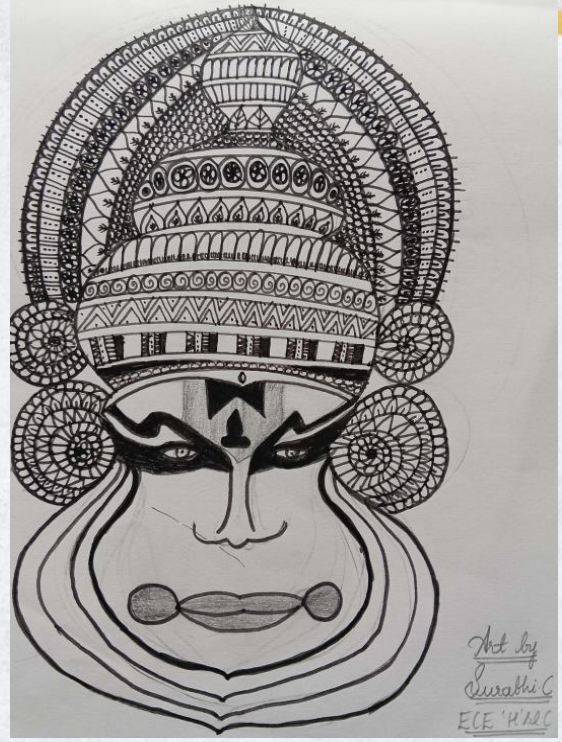
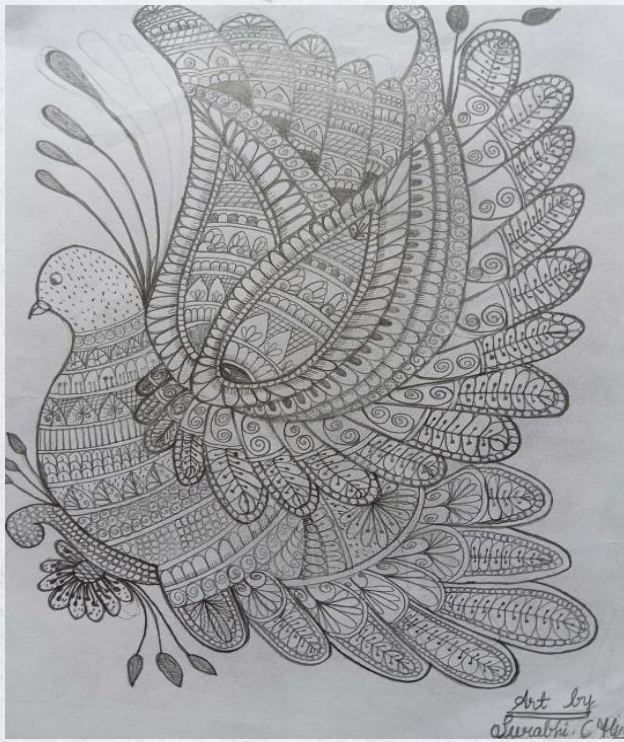
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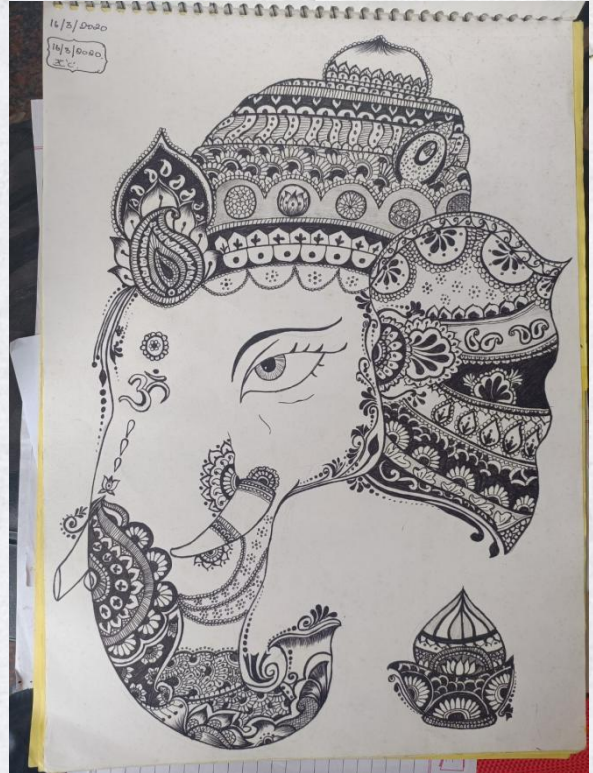
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Vismaya M  
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Anusha R  
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S Thanushree  
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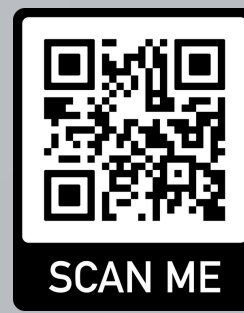
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