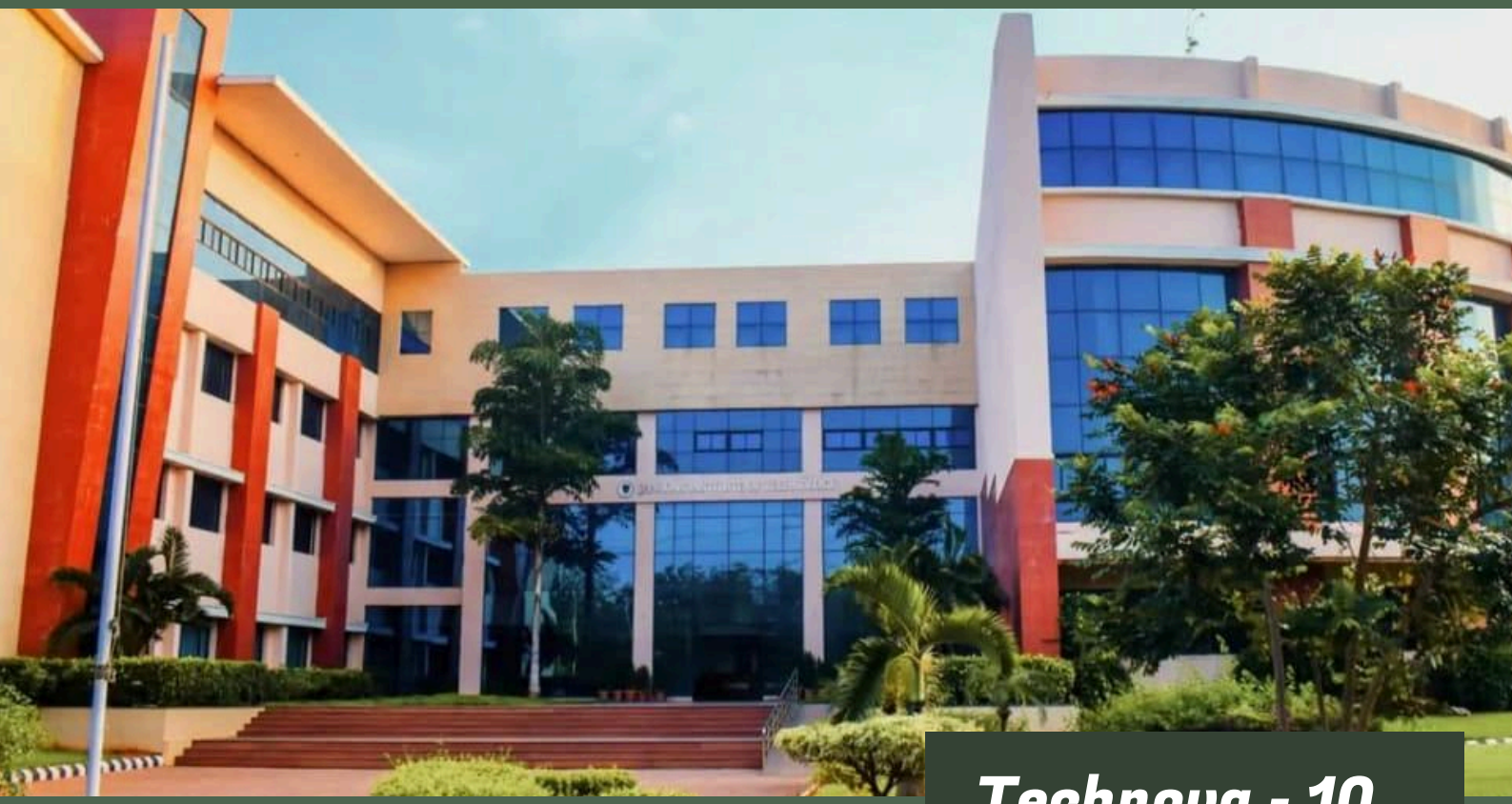
# JANSONS INSTITUTE OF TECHNOLOGY

Approved by AICTE |Affiliated to Anna University
Accrediated by NAAC with Grade "A"
An ISO 9001:2019 Certified Institution

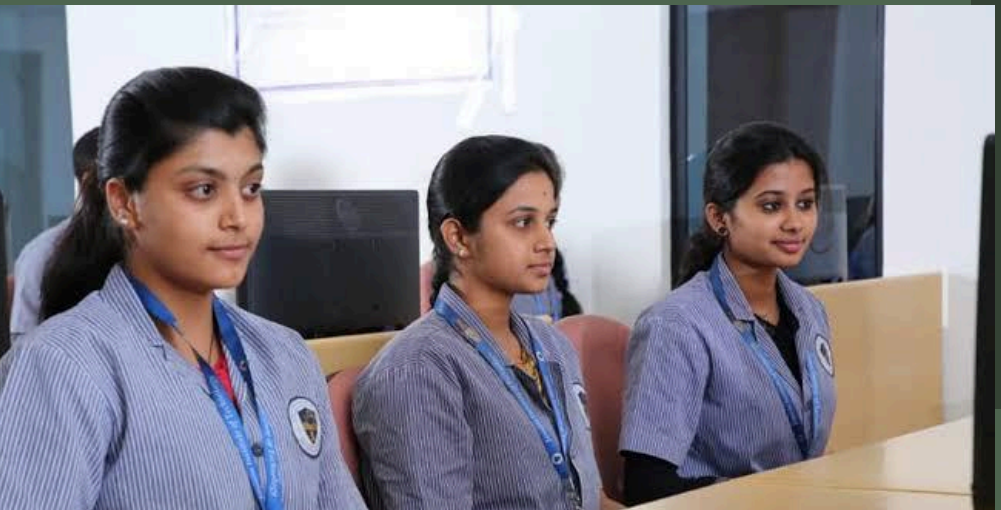


## VISION

To produce skilled and competent engineering professional in the field of Electronics and Communication.

## MISSION

Equip students with technical skills to meet current demands in the electronics industry
Cultivate ethical and moral qualities to address societal needs.



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## Newsletter

July 2023 - Dec 2023

Scientists investigate that which already is; Engineers create that which has never been.

-Albert Einstein

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# WORKSHOP

There are 64 students from Second and Third Year ECE participated Workshop on ASIC Chip Level Testing and Debugging of 5G Mobiles by NEW TECHNOLOGY from 20.03.2023 to 21.03.2023

There are 92 studentS from Third year have participated workshop on Embedded & IOT Courses for Beginners - Hands on session towards Innovation and Entrepreneurial Eco System by MANFREE

# DETAILS OF FACULTY SPONSERED FOR WORKSHOPS / CONFERENCE

A faculty Kowsalya.R have attented a Recent Trends in Antenna Engineering and its Applications (FDP) from 13-02-2023 to 23-02-2023 in RIT, Chennai.

# SYMPOSIUM

## [CAMCEE 3.0] – A Grand Success!

We are delighted to share that *[CAMCEE 3.0], held on 25/02/2023 , was a resounding success! The event brought together students, researchers, and professionals for a day filled with insightful discussions, innovative ideas, and engaging sessions.

Venue: Jansons Institute Of Technology

Time: (9:00am - 4:00pm)

🔥 Event Highlights:

- ✅ Inspiring keynote sessions by industry experts
- ✅ Thought-provoking panel discussions
- ✅ Impressive technical paper presentations
- ✅ Interactive workshops and hands-on sessions
- ✅ Exciting competitions with enthusiastic participation

The symposium provided an incredible platform for knowledge sharing, networking, and collaboration. We extend our heartfelt gratitude to all the participants, speakers, and organizers .

For event highlights and photos, visit:

[Website : https://jit.ac.in]

[Contact : 04212264900]

Thank you for being a part of [CAMCEE 3.0]

# INTERNSHIP

Akshay P, Anurag Singh undergoes internship in Wizard System, Coimbatore for a timespan of 6 days from 06.02.2023 to 11.02.2023.

Athipati  Pavan undergoes internship in Wizard System, Coimbatore for a timespan of 6 days from 13.03.2023 to 18.03.2023.

Atla Rama Sai Tejaswini undergoes internship in Wizard System, Coimbatore for a timespan of 6 days from 20.02.2032 to 25.02.2032.

Avinash A undergoes internship in Wizard System, Coimbatore for a timespan of 6 days from 17.04.20233 to 22.04.2023.

Bala Siva Krishna undergoes internship in Wizard System, Coimbatore for a timespan of 6 days from 13.02.2023 to 18.02.2023.

Bandi Midhun undergoes internship in Wizard System, Coimbatore for a timespan of 6 days from 06.03.2023 to 11.03.2023

Bala Siva Krishna undergoes internship in Vijayalakshmi Enterprises, Coimbatore for a timespan of 6 days from 13.02.2023 to 18.02.2023

Bandi Midhun undergoes internship in Vijayalakshmi Enterprises ,Coimbatore timespan of 6 days from 06.03.2023 to 11.03.2023

Boomija .R S undergoes internship in Vijayalakshmi Enterprises, Coimbatore for a timespan of 6 days from 20.03.2023 to 25.03.2023

Preem undergoes internship in Wizard System, Coimbatore for a timespan of 6 days from 20.03.2023 to 25.03.2023

Pranesh undergoes internship in Vijayalakshmi Enterprises , Coimbatore for a timespan of 6 days from 06.03.2023 to 11.03.2023

Subarna C undergoes internship inWizard System, Coimbatore for a timespan of 6 days from 06.02.2023 to 11.02.2023

Abishek G undergoes internship in Horizon Power System, Coimbatore for a timespan of 6 days from 13.02.2023 to 18.02.2023

Arella jaya Prakash undergoes internship in Horizon power System, Coimbatore for a timespan of 6 days from 6.02.2023 to 11.02.2023

Balaji J undergoes internship in Horizon power System, Coimbatore for a timespan of 6 days from 13.02.2023 to 18.02.2023

Ashwin Kumar undergoes internship in Horizon Power System, Coimbatore for a timespan of 6 days from 13.02.2023 to 18.02.2023

Aitha Ramesh undergoes internship in New Technology, Coimbatore for a timespan of 6 days from 06.02.2023 to 11.02.2023

Alampally Sai Neeraj undergoes internship in New Technology, Coimbatore for a timespan of 6 days from 06.02.2023 to 11.02.2023

# PAPER PRESENTATION / PROJECT PRESENTATION

*Brinda Prakhasa Dharsini T, Monika J, Ilavarasan K, Soumya.R attend the event of International Conference on Science, Technology, Engineering and Mathematics 2.0 (ICSTEM 2.0) organised by JIT and Institute for Engineering Research and Publication (IFERP) on 04.03.2023.*

*M.S.Veshnu, S.Priyadharshini, V.Mahiba, L.Parameshwari joined a Conference on Recent Innovations in Science, Engineering and Technology (ICRISET) for Paper Presentation at JIT and Institute for Engineering Research and Publication (IFERP) on 05.03.2023*

*Elakkiya S, Gokulakrishnan S, Jothika N, Sathish Kumar B joined a International Conference on Science, Technology, Engineering and Mathematics 2.0 (ICSTEM 2.0) for Paper Presentation at JIT and Institute for Engineering Research and Publication on 04.03.2023*

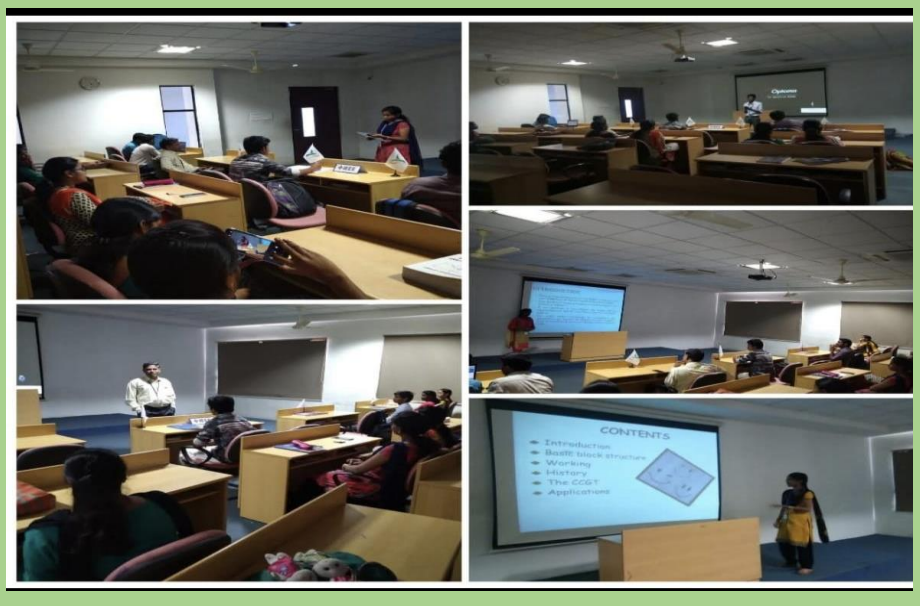
*Arathi K Nair, Jenith Ebinesh S, Venkatesh R, Narmadha S joined a International Conference on Science, Technology, Engineering and Mathematics 2.0 (ICSTEM 2.0) for Paper Presentation at JIT and Institute for Engineering Research and Publication (IFERP) on 04.03.2023.*

*V.Loguprakash, R.Rabinram, V.Thenamuthan, Sujith Kharsan joined the Conference on Recent Innovations in Science, Engineering and Technology (ICRISET) at JIT and Institute for Engineering Research and Publication (IFERP)*

*N. Lakshmi Narayanan, R. S. Boomija, E. Kiruba, V. Haripriya, V. Haripriyanga, Atla Rama Sai Tejaswini, P. Dhanasri attend the International Conference on Recent Innovations in Science, Engineering and Technology (ICRISET)for Paper Presentation at JIT and Institute for Engineering Research and Publication (IFERP)*

*S.Vibin Anto, S.Pranesh, S.Pranesh, P.Preem attend the Conference on Recent Innovations in Science, Engineering and Technology (ICRISET)*

*for JIT and Institute for Engineering Research and Publication (IFERP) 05.03.2023.*



# OTHER ACHIEVEMENTS

Hamsadurga S, Jawahar S, Mouli Shankar V, and Sri Janani J S, final-year B.E. Electronics and Communication Engineering (ECE) students, achieved a remarkable feat by securing the Second Place in the Umagine - Naan Mudhalvan State-Level competition, organized by the Government of Tamil Nadu in collaboration with IBM and ICTACT. Their outstanding performance earned them a cash prize of ₹30,000, bringing pride to the institution.

Jawahar S, Mouli Shankar V, Sri Janani J S, and Bhanu Prasad Reddy, final-year B.E. Electronics and Communication Engineering (ECE) students, showcased their technical excellence by securing *Second Place* in the *Two-Day Femina Hack Fest 2023, organized by **KGISL*. Their achievement highlights their innovative skills and commitment to problem-solving in the field of technology.

# PUBLICATIONS BY THE FACULTY MEMBERS

***Shanmugam Chellamuthu's study explores fault detection in electrical equipment using infrared thermography and spiking neural networks. Published in the Journal of Circuits, Systems and Computers (2023), it employs a hybrid feature selection method to improve accuracy and efficiency. This approach enhances early fault detection, reducing failures and ensuring industrial safety.***

# VALUE ADDED PROGRAMS

The Modelling Methods in CMOS Technology using HDL Programming (IRC) course was offered to II-year students (Batch 2021-2025) at Jansons Institute of Technology.

Hardware Modeling using Verilog (IRC) course was offered to III (Batch 2020-2024) at Jansons Institute of Technology.

RF Circuit Design using ADS Simulation Software (IRC) was offered to IV (Batch 2019-2023) at Jansons Institute of Technology.

# PROGRAM OUTCOMES

- ✓ Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- ✓ Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- ✓ Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- ✓ Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- ✓ Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- ✓ The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- ✓ Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- ✓ Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- ✓ Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- ✓ Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- ✓ t Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

# PROGRAM SPECIFIC OUTCOMES

- ✓ Analyse, design, and develop solutions for electronic systems by applying fundamental concepts of electronics and communication engineering.
- ✓ Apply design principles and best practices for developing quality products for scientific and business applications.
- ✓ Adapt emerging electronics and communication technologies and develop innovative solutions for existing and newer problems.