



JANSONS INSTITUTE OF TECHNOLOGY

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Technova - 12

July 2024 - Dec 2024

"Design is not about what you add, but about what you remove."

- Vitaly Friedman



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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GUEST LECTURE

On October 5, 2023, Mr. K. Ranjithkumar conducted a motivational seminar on entrepreneurship, sharing his journey in Moringa-based wellness products. He inspired aspiring entrepreneurs with insights on challenges, opportunities, and success strategies.



EVENT

- A **Skill Development Bootcamp** on "**Design Thinking Approach on Innovation and Product Development in the AI Sector**" was conducted by **Mr. NMK Theyzeswarr**, Founder & Managing Director of **Clover Technologies**, and **Mrs. S. Sandra**, Assistant Professor, ECE. The bootcamp, held on **March 14, 21, 28, and April 4, 2024**, attended by 52 students focused on **enhancing creativity, problem-solving, and AI-driven innovation**. Participants gained hands-on experience in **design thinking methodologies**, enabling them to develop AI-based solutions efficiently. The event provided **valuable industry insights**, fostering a **practical approach to AI product development**.
- A seminar on "**Unique Solutions and Market-Fit Products Based on Artificial Intelligence**" was conducted by **Mr. Aberlin**, CEO & Data Scientist at **Beapel, Bangalore**, on **February 22, 2024**. The session, attended by **50 students**, focused on **AI-driven innovation, product-market fit strategies, and real-world applications**. Mr. Aberlin shared insights on leveraging **AI technologies to create impactful and scalable solutions**, inspiring students to explore AI's potential in various industries.

A skill development Bootcamp on”
Design Thinking Approach on
Innovation and Product Development in
AI sector”

Mr.NMK
Theyzeswarr
Founder and
Managing
Director
Clover
Technologies

28.03.2024

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Unique Solution and Market fit
Products Based on Artificial Intelligence

Mr. Aberlin
CEO/Data
Scientist
Beapel, Bangalore

22.02.2024

50

STUDENT PARTICIPATION

Jayasuganthan S	Pcb design workshop	Psg itech	16/3/2024	2 days
Kamalesh P	Surajana - 2024	Jansons school of busineses	9/3/2024	participated
Alaguseenivasha S	Idea Pitching	Ngp college of arts and science	13/3/2024	1 st pLace
Karnala Reethika	Symposium inter 'o' fest Project contest	Sree sakthi engineering college	23/3/2024	2nd
Katragunta Jahnavi	Technical symposium Paper presentation	Sree sakthi engineering college	23/3/2024	Participation
Katragunta Jahnavi	Symposium inter 'o' fest Project contest	Sree sakthi engineering college	23/3/2024	2nd

Nadipi Bhargava	Thirgathan – Startup Thiruvizha	Forge Innovation & Ventures- Startup TN	20.08.2024	Participation
Subarna C	Thirgathan – Startup Thiruvizha	Forge Innovation & Ventures- Startup TN	20.08.2024	Participation
Puvitharani M	Think Wild Ideathon'24	FORT, Hosur	26.03.2024 & 27.03.2024	Participation
Puvitharani M	Technical symposium CRYPTERA	Coimbatore Institute of Technology	01.03.2024	Participation
Sadurthika G	Technical symposium CRYPTERA	Coimbatore Institute of Technology	01.03.2024	Participation
Siranjeevi CS	Technical symposium CRYPTERA	Coimbatore Institute of Technology	01.03.2024	Participation
Vasanth Priya R	Technical symposium CRYPTERA	Coimbatore Institute of Technology	01.03.2024	Participation
Vasanth Priya R	Think Wild Ideathon'24	FORT, Hosur	26.03.2024 & 27.03.2024	Participation
Sathish Kannan B	Think Wild Ideathon'24	FORT, Hosur	26.03.2024 & 27.03.2024	Participation

CONFERENCE PUBLICATIONS

- ❖ Dr. Shanmugam C, " Gamified App for Learning by Persons with Disabilities," in the Proceedings of the International Conference on Science, Technology, Engineering and Mathematics 3.0, ICSTEM, Coimbatore, India, April 30, 2024, pp.39.
- ❖ Krishnapriya.N, " Sustainable Textile Waste Management through IoT Integration," in the Proceedings of the International Conference on Science, Technology, Engineering and Mathematics 3.0, ICSTEM, Coimbatore, India, April 30, 2024, pp.21.
- ❖ Mrs. V. Vidhya Gowri, " Integrated Monitoring System for Ammonia and H₂S Gas Emission from Bird Litter with Chicken Disease Detection using Deep Learning," in the Proceedings of the International Conference on Science, Technology, Engineering and Mathematics 3.0, ICSTEM, Coimbatore, India, April 30, 2024, pp.24.
- ❖ Mrs. Berlin. A, " IoT Based Electricity Theft Monitoring System Using Raspberry PI," in the Proceedings of the International Conference on Science, Technology, Engineering and Mathematics 3.0, ICSTEM, Coimbatore, India, April 30, 2024, pp.25.
- ❖ Mrs.R.Kowsalya, " Transformer Monitoring System Using GSM Module," in the Proceedings of the International Conference on Science, Technology, Engineering and Mathematics 3.0, ICSTEM, Coimbatore, India, April 30, 2024, pp.35.

BOOK CHAPTERS

T. Meenakshi, "A Review of Electric Vehicles" in the book titled Electric Vehicle Design: Design, Simulation and Applications, Wiley, April 2024, Print ISBN:9781394204373 |Online ISBN:9781394205097

T. Meenakshi, "Hybrid Electrical Vehicle Designs" in the book titled Electric Vehicle Design: Design, Simulation and Applications, Wiley, April 2024, Print ISBN:9781394204373 |Online ISBN:9781394205097

PATENT

Dr. G. Vetrichelvi received an Indian patent (202441009135 A) on **March 8, 2024**, for the invention titled "**Smart Home Health Care Automation System with Advanced Security Features.**" This innovation focuses on integrating automated healthcare solutions within smart homes, enhancing patient monitoring, safety, and convenience.

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.
- ✓ 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.

SPECIFIC PROGRAM 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.

EDITORIAL MEMBERS

Editor In-Chief

Dr.G.Vetrichelvi , HOD/ECE

Editorial Committee Members

Mr.S.Prakash , AP/ECE &
Mrs.V.VidyaGowri,AP/ECE

Student Members

Ms.Ahalya.M.A , II year ECE
Mr.Deepak.S, II year ECE
Ms.Dhaarani.R.V, II year ECE
Mr.Gowtham Durai.S, II year ECE
Mr.Harikrishnan.B, II year ECE
Ms.Harini.B, II year ECE