



INSTITUTE'S INNOVATION COUNCIL

Academic Year 2024-25



Faculty In-charge: Dr. G. S. Satheeshkumar,
Associate Professor / ECE.

Vision / Mission of IIC established at the Institute

Vision

“To cater the needs of students as well as faculty entrepreneurs with innovative ideas of social relevance and there by disseminating a culture of entrepreneurship in campus which will boost our education system and there by growing the national economic and social development”

Mission

“To develop a system with required infrastructure that can enable students and faculty to innovate and prototype their ideas with industrial standards and support from Government, industry and reputed academic institutions around the world and help them to realize their potentials”

Journey of IIC established at the Institute

The institution has started the Institute's Innovation Council (IIC) on Jun 2018 perceived by the MHRD Innovation Cell. The essential order of IIC is to empower, rouse, and sustain youthful understudies by supporting the students and faculties to work with groundbreaking thoughts and change them into models. IIC grows methodically encourage the way of life of development among the understudies. An organization of this IIC will be set up to advance development in the Institution through innumerable

modes prompting a development advancement eco-framework in the grounds. IIC motivate the students to work for social related issues as team to provide the best solution. Students are encouraged to combine with interdepartmental for the innovative research. Overall performance of the IIC was closely monitored by the head of the institution

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

Co-Working Space – Open workspace to promote collaboration and creativity.

Private Cabins – Dedicated office space for startups and incubated teams.

Board/Meeting Room – Fully equipped space for presentations, meetings, and discussions.

Computation Lab – Advanced computing infrastructure for design, modeling, and simulation.

Advanced FAB Lab – Cutting-edge fabrication and prototyping tools to turn ideas into reality.

1. **Prototyping Centre:** Equipped with state-of-the-art machinery and tools, the prototyping center allows students to bring their ideas to life by creating physical prototypes of their products or solutions.
2. **IoT and Electronics Centre:** This center provides students with the resources and expertise needed to develop Internet of Things (IoT) devices and electronic systems. From design to implementation, students can explore various applications of IoT and electronics in their projects.
3. **Manufacturing (CNC) Centre:** With advanced Computer Numerical Control (CNC) machines, the manufacturing center enables students to fabricate precise and intricate components for their projects. It serves as a hub for turning designs into tangible products.
4. **Drone Development Centre:** Drones are increasingly becoming integral to various industries, and this center offers students the opportunity to explore drone technology. From design and assembly to programming and testing,

students can delve into all aspects of drone development.

5. **VR/AR Centre:** Virtual Reality (VR) and Augmented Reality (AR) are revolutionizing industries such as gaming, education, and healthcare. The VR/AR center provides students with the tools and expertise needed to create immersive experiences and innovative applications in these domains.

ACTIVITIES ACADEMIC YEAR 2024-25

S. No	Date	Name of the Event	No. of Students Participated
1.	24.01.2025	Workshop on "Entrepreneurship and Innovation as Career Opportunity"	53
2.	29.01.2025	My story– Motivational Talk on Innovation	103
3.	03.04.2025	Workshop on “ Prototype to Product Design and Development”	103
4.	09.04.2025	Workshop on “Business Model on Honey Farm”	58
5.	18.10.2024	Workshop on “Innovations in Smart Irrigation Systems”	103
6.	29.01.2025	Seminar on “Revolutionizing Farming: Shefa Agricare's Role in Agri-innovation “	78
7.	28.02.2025	Agrivoltaics: Combining Solar Panels and Farming	97
8.	04.03.2025	Seminar on “Precision Land surveying for Sustainable Agriculture”	41
9.	07.11.2024	Prototype Development Using AI Tools	80
10.	05.02.2025	Funding Opportunities for AI Startups (NIDHI, DST, AICTE)	96
11.	06.03.2025	Workshop on AI & Intellectual Property (AI-generated IP)	84
12.	26.3.25 TO 28.3.25	Demo Day: AI Innovations & Applications	88

13.	28.03.2025	Networking Event with AI Industry Leaders/Investors	60
14.	08.04.2025	Roundtable Discussion: Future of AI in Education and Startups	75
15.	14.07.2024	Orientation on AI in Innovation & Startups	114
16.	08.08.2024	Design Thinking for AI-based Product Development	92
17.	14.07.2024	Exposure and Field Visits for Problem Identification: Aligning with UN SDGs and Exploring Emerging Areas Of Technologies	118
18.	05.09.2024	Internal Hackathon on AI for Smart Cities/Smart Education	280
19.	09.05.2025	National Technology Day- Idea and Project presentation	53
20.	18.03.2025	Prototyping the Future of Oral Health: Biomedical Engineering in Dental Technology	79
21.	17.03.2025	Startup-Driven Advances in Biomedical Engineering	127
22.	06.02.2025	Research Opportunities in Healthcare	149
23.	14.10.2024	Pathway to Success as a Biomedical Engineer in Healthcare	53
24.	18.02.2025	Empowering Engineering Students through Service-Based Industry Exposure	132
25.	30.09.2024	Research and Innovation for Healthcare Transformation	84
26.	19.09.2024	Key To Become a successful software developer in IT as a Biomedical Engineer	155
27.	30.09.2024	From Ideas to Impact: Innovation in Biomedical Engineering	84
28.	12.02.2025	Human-Centered Innovation in Biomedical Signal and Image Processing with Google Colab and MATLAB	62
29.	27.08.2024	Basics of Intellectual Property Rights & Its Importance for Innovators and Entrepreneurs	60

30.	16.10.2024	Visionary Design in Pioneering the Future of Work	60
31.	06.02.2025	The Art of Achieving Solution Fit and Product Market Fit	62
32.	06.03.2025	Design Thinking, Critical thinking and Innovation Design	61
33.	08.03.2025	Women's day celebration	150
34.	13.03.2025	Solving real-world challenges through the power of creative design thinking	52
35.	09.04.2025	Business Model Canvas (BMC)	50
36.	17.04.2025	Organize an expert talk on process of Innovation development and technology Readiness Level (TRL)	51
37.	14.05.2025	Internal Hackathon on AI for Smart Cities/Smart Education	280
38.	11.11.2024	Seminar on "National Education Day"	102
39.	22.11.2024	Workshop on "Innovate IT: Applying Design Thinking for Smart Solutions"	103
40.	20.12.2024	Workshop on "Workshop on Entrepreneurship Skill, Attitude and Behavior Development"	103
41.	24.01.2025	Workshop on "Mastering Problem-Solution and Product-Market Alignment"	103
42.	04.02.2025	Seminar on "From Idea to Impact- Motivational Session by Successful Entrepreneur"	104
43.	11.02.2025	Seminar on "Dream. Build. Inspire: A Session with a Proven Entrepreneur"	110
44.	12.02.2025	Seminar on "Basics of Intellectual Property Rights and Its Importance for Innovators and Entrepreneurs"	102
45.	18.02.2025	Seminar on "Innovation and design thinking in IT Field"	256

46.	11.04.2025	Field Visit on “Exposure Visit to Incubation Unit”	102
47.	12.09.2024	Guest Lecture on “Energy” “ Scope after that Graduate Aptitude test in Engineering Exam”	142
48.	23.09.2024	Seminar on “Embedded system and Artificial Intelligence for real time applications”	145
49.	19.09.2024	Seminar on “Awareness about Cybercrime and POCSO”	148
50.	20.10.2024	Guest Lecture on “LT Billing Software in TNPDCCL”	152
51.	04.11.2024	Seminar on “A brief outlook of the Steel Industry for Electrical Engineers”	145
52.	14.12.2024	National Energy Conservation day	154
53.	03.02.2025	Awareness Program on “Higher Education In India and Abroad”	141
54.	07.03.2025	Personality Development Program on Time and Priority Management & Stress Management	143
55.	28.08.2024	Seminar on “Basics of Intellectual Property Rights and its Importance for Innovators and Entrepreneurs”	78
56.	17.12.2024	Motivation speech on“ Decision-Making Processes of Startup Entrepreneurs”	60
57.	18.12.2024	Workshop on “3D Printing in Manufacturing Entrepreneurship ”	82
58.	20.12.2024	Seminar on “Entrepreneurship Funding Social Innovation for Financial Model”	62
59.	01.03.2025	Innovation and Entrepreneurship Outreach Program in Schools by engaging active ATAL Tinkering Labs and School Innovation Council (SIC)	152
60.	14.03.2025	Seminar on “The Role of Business Plan for Entrepreneurship ”	51
61.	11.04.2025	Seminar on “Strategy for Sustainable Small and Medium Entrepreneurs”	53

62.	21.04.2025	Session on “Accelerators/Incubation- Opportunities for Students & Faculties– Early-Stage Entrepreneurs”	82
63.	28.08.2024	Seminar on “Basics of Intellectual Property Rights and its Importance for Innovators and Entrepreneurs”	78
64.	12.02.2025	Workshop on “Problem Solving and Ideation	158
50.	20.10.2024	Guest Lecture on “LT Billing Software in TNPDCCL”	152
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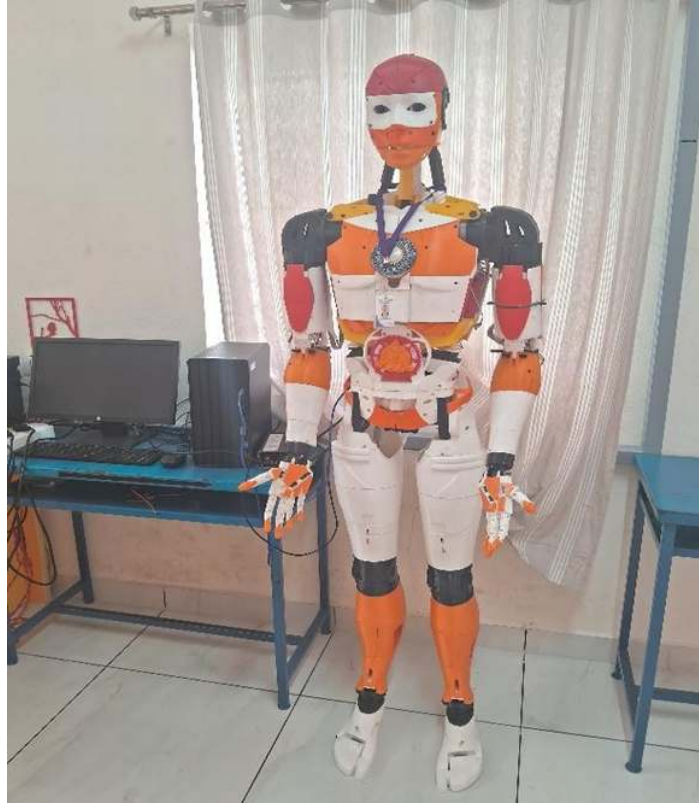
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64.	12.02.2025	Workshop on “Problem Solving and Ideation Workshop”	158
65.	28.02.2025	Workshop on Design Thinking, Critical thinking and Innovation Design”	133
66.	03.04.2025	Session/Workshop on Business Model Canvas (BMC)	121
67.	28.04.2025	Session on “How to Plan for Startup and legal & Ethical Steps”	121
68.	02.05.2025	Workshop on“ Protecting Intellectual Property Rights (IPRs) and IP Management for Startups”	158
69.	05.05.2025	Plan Pitch: Demo Day/ Exhibition/ Poster Presentation of Business Plans & linkage with Innovation Ambassadors/Experts for Mentorship Support.	133
70.	19.08.2024	Innovative Ideas in new projects	124
71.	22.01.2025	Securing Your Startup’s Future: A Guide to Funding	144
72.	13.08.2024	Seminar on IPR & Technology Transfer	111
73.	28.02.2025	Workshop on Pre – incubation & Incubation Management	124
74.	27.09.2024	Innovator's Nexus : Where The Idea Meets Execution	153
75.	03.10.2024	INNOSTRIDE - Step into Innovation, March towards impact	153
76.	24.10.2024	Tech Trailblazers Igniting Startup Journeys	153
77.	5.11.2024	Startup Genesis Crafting Tommorow's Tech	153
78.	17.02.2025	Entrepreneurial Code Building The Future	153

79.	22.04.2025 FN	NEXUS Tech to Enterprises - The startup link for future coders	153
80.	22.04.2025 AN	START BYTE - Small ideas, Big Ventures	153
81.	08.05.2025	Design Thinking and Innovation for Problem Solving	153
82.	12.05.2025	Entrepreneurship and Startup Development :	153
83.	16.05.2025	Prototype to Product: Innovation Commercialization Strategies	153
84.	22.11.2024	Motivational Session On "My story"	120
85.	27.11.2024	Workshop on "Entrepreneurship and Innovation"	121
86.	09.12.2024	Seminar on "Critical Thinking"	133
87.	18.02.2025	Seminar on "Communication and Career Attributes"	100
88.	07.03.2025	Seminar on "Marketing Strategies"	98
89.	12.03.2025	Seminar on Bridging the Gap:From Campus to Corporate"	122
90.	26.03.2025	Seminar on Process Design and Development"	120
91.	21.04.2025	Seminar on "Howto plan for Start -up"	110
92.	22.04.2025	Motivational Programme On "The Next Generation Leader"	104
93.	22.11.2024	Motivational Session On "My story"	120
94.	10.09.2024	Motivation Speech-Freshers Awakening	57
95.	12.09.2024	Motivation Speech- Soft Skills for Manager	45
96.	05.12.2024	"The Art of Excel: Advanced Skills for Data-Driven Decision Making"	58
97.	24.02.2025	Guest Lecture On "Operational Excellence and sustainability of Business"	47

98.	05.03.2025	Motivational Talk on ACE THE TEST,OWN THE FUTURE: “Exam Success & Career Planning”	54
99.	26.09.2024	Expert Talk on Entrepreneurship and Innovation: Opportunities and Challenges	122
100.	08.10.2024	Carrier Opportunities in Design	115
101.	18.10.2024	Start-up Opportunities in India	120
102.	30.10.2024	Design Thinking for Startups	126
103.	03.12.2024	Workshop on Design Thinking, Critical thinking and Innovation Design	105
104.	12.12.2024	Design and Innovation	124
105.	28.02.2025	IDEATHON-2025	64
106.	14.03.2025	Session on “How to plan for Start-up and legal & Ethical Steps”	115
107.	09.04.2025	Workshop on “Protecting Intellectual Property Rights (IPRs) and IP Management for Startups”	124
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116.	04.03.2025	Seminar on “Precision Land surveying for Sustainable Agriculture”	41
117.	19.09.2024	Seminar On “Exploring Robotics Startup Opportunities For Future Innovation”	84
118.	19.09.2024 & 20.09.2024	Workshop On “Drone Engineering And Piloting”	35
119.	26.12.2024 & 27.12.2024	Drone Technology In Agriculture Farming	35
120.	21.01.25 TO 22.01.25	Seminar On “Mobilitymate: A Tech-Driven Business Model For Assisting The Visually Impaired”	45
121.	17.02.25 TO 18.02.25	Seminar On “Robomed: A Research-Driven Robotic Solution For Remote Medical Support”	52
122.	27.02.2025	Guest Lecturer On “Cervisafe: A Patentable Path To Cervical Cancer Awareness”	100
123.	05.03.2025 & 06.03.2025	Drone Design And Development	40
124.	21.04.2025 & 22.04.2025	Drone Design And Development	40
125.	25.04.2024 & 26.04.2024	Drone Development Workshop	35
126.	2.05.25 TO 03.05.25	Workshop On “Neurobot: A Cognitive- Inspired Robotic System For Assistive Autonomy”	40

PHOTO GALLERY



3D Printed Humanoid Robot



FPV Drone for Surveillance



IoT Based Pre-Identification of Thread Based Problems In Traditional Handlooms



Prosthetic hand



Vacuum Bot



Center of Excellence in Electrical Vehicle Technology

Event Photos



Work shop on “Innovations in Smart Irrigation Systems” by Mr. K. S. Selvan, Assistant General Manager, Narmada Pipes, KM Garden, Vellakkalpatti, Omalur, Salem on 18.10.2024.



Work shop on “Business Model on Honey Farm” by Mr. R. Annamalai, AO Honey Farm, Vatrampalayam, Edapadi, Tamil Nadu on 09.04.2025.



Seminar on “Learn Start-up & Minimum viable products” by Mr.Edwin Bros D S, Branch Manager Bluestone Overseas Consultants Salem and Coimbatore on 04.06.2025.



Work Shop on “Business Model Canvas-Solution Fit and Product- Market Fit” by Mr. Serajtheen, Managing Director, Agencies on 04.06.2025.



Tech Fest on Innovation on “Exhibition of Startups & Linkage with Innovation” by Shri. Shubham Gupta & Shri. Suman Pandit, Innovation Lead & Young Professional, Atal Innovation Mission on 05.05.2024.



Workshop on “NeuroBot: A Cognitive-Inspired Robotic System for Assistive Autonomy” by Gowtham Ragupathiraj, Recruiter & Professional Consultant , TEXMO Industries, Coimbatore on 02.05.2025 to 03.05.2025.



Work shop on “Design Thinking and Innovation for Problem Solving” by Mr.K.Gokul,
Assistant Professor Erode Sengunthar Engineering College on 08.05.2025.



Contes on “Business Plan Competition” by Mr. Devarshi, AR Associate Analyst, Omega
Health care PvtL imited, Coimbatore on 22.04.2025.



Work shop on “From Pitch to Profit: Winning Sales and Marketing Tactics for Startups” by Mr.N.Devaraj, Managing Partner, Sivalinga Tea Industries-Kotagiri on 10.09.2024.



Seminar on “How to plan for Start-up and legal & Ethical Steps” by Mr.Vignesh Waran, Founder & CEO, Virtual Frontiers Robotics, Coimbatore on 14.03.2025.



Work shop on “Drone Technology in Agriculture Farming” by Mr.S.Manikandan, Assistant Professor, Erode Sengunthar Engineering College on 26.12.2024 to 27.12.2024.



Field Visit on “Field Visit” by Erode Sengunthar Engineering College on 22.11.2024.