



AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)



**AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY
INSTITUTION INNOVATION COUNCIL (IIC) – AVIT**

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<p>Program Driven by IIC Calendar Activity/ MIC Driven Activity/ Celebration Activity/Self driven activity</p>	<p align="center">IIC Calendar Activity</p>	
<p>Event Title</p>	<p>3 Day Workshop on “AI and 4.0 Tools for Innovators and Entrepreneurs”</p>	
<p>Resource Person</p>	<ul style="list-style-type: none"> • Dr. S. Balakrishnan, Professor & Head, Dept. of CSE, AVIT • Dr. S. Pitchumani Angayarkanni, Professor, Dept. of CSE, AVIT • Dr. K. Ramu, Professor, Dept. of CSE, AVIT • Dr. M. Muthukumaran, Professor, Dept. of CSE, AVIT • Dr. Poonguzhali S, Professor, Dept. of CSE, AVIT • Mr. B. S. Seshadri, Professor of Practice, Dept. of CSE, AVIT 	
<p>Academic year</p>	<p>2025-2026</p>	<p>I quarter</p>
<p>Program Type</p>	<p>Level 3 – Bootcamp/ Competition/ Demo Day/ Exhibition / Workshop (9 to 18 Hours)</p>	

Program Theme IPR & Technology Transfer / Innovation & Design Thinking / Entrepreneurship & Startup / Pre-Incubation & Incubation Management	Innovation & Design Thinking / Entrepreneurship & Startup		
Start date & End Date (DD/MM/YYYY)	25/11/2025		27/11/2025
Duration of the activity (in Mins) & Start Time & End Time	720 Mins	10.00 am	3.00 pm
Participants	56 Students		
Mode of session (online / offline) * Online Video Url compulsory	Offline		
Event Organizer / Coordinator Faculty Name / Department / Designation	Dr Poonguzhali S/Professor, Dept of Computer Science		
Target Participants	Students		
Objective	<ul style="list-style-type: none"> • To introduce students to fundamental concepts of AI and Industry 4.0 technologies. • To equip them with practical skills in using digital tools for innovation. • To enhance their problem-solving and creative thinking abilities. • To motivate students to apply AI and 4.0 tools in projects and entrepreneurial ideas. 		
Outcome	The workshop enabled students to understand the fundamentals of AI and Industry 4.0 technologies and their applications. They gained hands-on exposure to essential digital tools for innovation and entrepreneurship. The sessions enhanced their problem-solving, creativity, and ability to develop tech-enabled solutions. Students are now better prepared to apply AI and 4.0 tools in projects, ideation, and start-up development.		

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Vinayaka Missions Chennai Campus

DIAMOND I-GAUGE
INSTITUTION'S INNOVATION COUNCIL
UNIVERSITY OF EDUCATION INDIA

**Institution Innovation Council &
Department of Computer Science and Engineering**
Cordially welcome you to the
**3 Day Workshop on
AI and 4.0 Tools for Innovators and Entrepreneurs**

Resource Persons

 Dr. S. Balakrishnan Professor & Head Dept. of CSE, AVIT	 Dr. S. Pitchumani Angayarkanni Professor Dept. of CSE, AVIT	 Dr. K. Ramu Professor Dept. of CSE, AVIT
 Dr. M. Muthukumar Professor Dept. of CSE, AVIT	 Dr. Poenguzhali S Professor Dept. of CSE, AVIT	 Mr. B. S. Seshadri Professor of Practice Dept. of CSE, AVIT

25th to 27th November 2025 @ NEC LAB, AVIT

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AI NEXUS CLUB

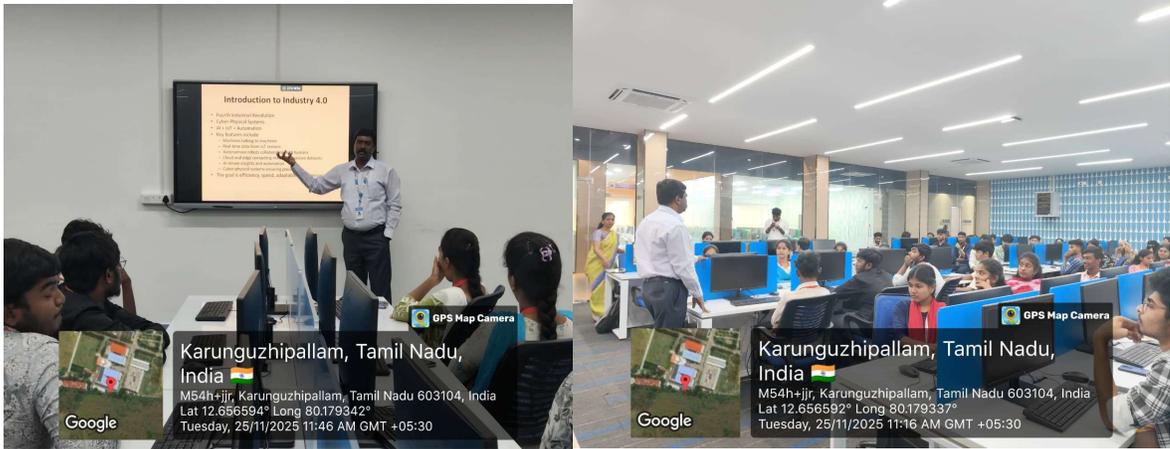
GIEC
GIANESAN INCUBATION AND ENTREPRENEURSHIP CENTER
IN THE UNIVERSITY OF EDUCATION INDIA

The workshop aimed to introduce first-year engineering students to the foundational concepts of Artificial Intelligence and emerging Industry 4.0 technologies. It focused on enhancing innovation skills through creative use of AI tools, offering hands-on experience with digital platforms for design, research, and prototyping. Students were guided to apply user-centered design thinking supported by AI insights and encouraged to explore entrepreneurial opportunities by developing pitch-ready ideas. The sessions were structured to build technical confidence and inspire future-ready innovation.

Day 1 – 25th November 2025

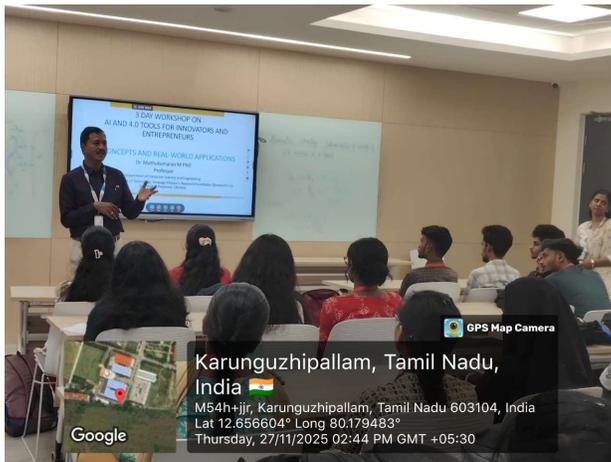
Session 1: Introduction to Artificial Intelligence and Industry 4.0

Dr. S. Balakrishnan, Prof and Head, Dept. of Computer Science in his session introduced students to the evolution, significance, and real-world impact of Artificial Intelligence (AI) and Industry 4.0. To enhance understanding, the speaker used real-world industrial examples to demonstrate how AI, IoT, and automation are transforming sectors such as manufacturing, healthcare, logistics, and smart infrastructure. These examples helped students relate theoretical concepts to practical implementations. The session was highly interactive, with students actively participating in discussions and question-and-answer segments. This engagement helped clarify doubts and improved awareness of future technological trends and career opportunities in AI-driven domains.



Session 2: AI Concepts and Real-world Applications:

Dr. M. Muthukumaran, Professor, Dept. of CSE, delivered an informative session on core Artificial Intelligence concepts, focusing on data-driven decision-making and intelligent systems. The session highlighted practical AI applications across healthcare, agriculture, and smart cities, demonstrating how AI addresses real-world challenges. Students actively engaged with interactive case studies, gaining hands-on insight into problem-solving using AI technologies. Emphasis was placed on the ethical use of AI and its societal impact, encouraging responsible innovation. The session enhanced students’ understanding of AI’s practical relevance and future potential.

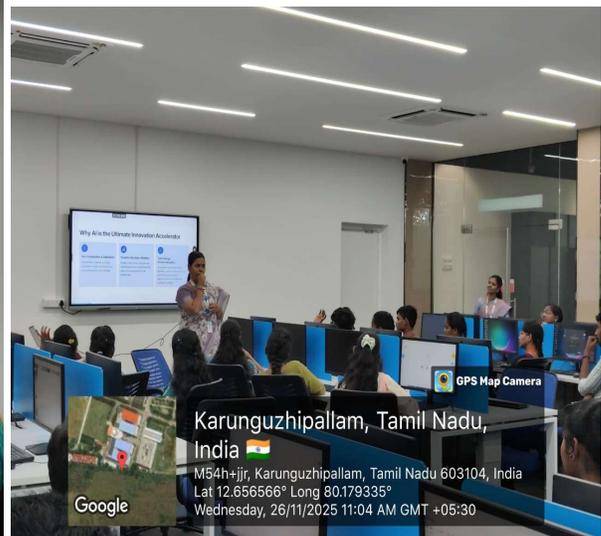


Day 2 – 26th November 2025

Session 1: Exploring AI Tools for Innovators

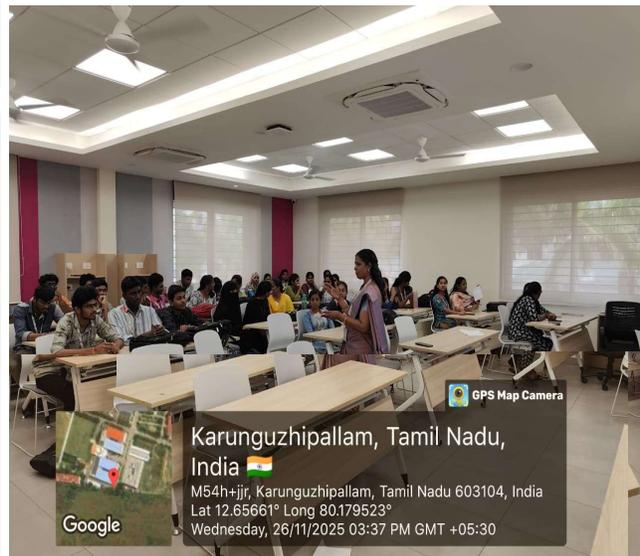
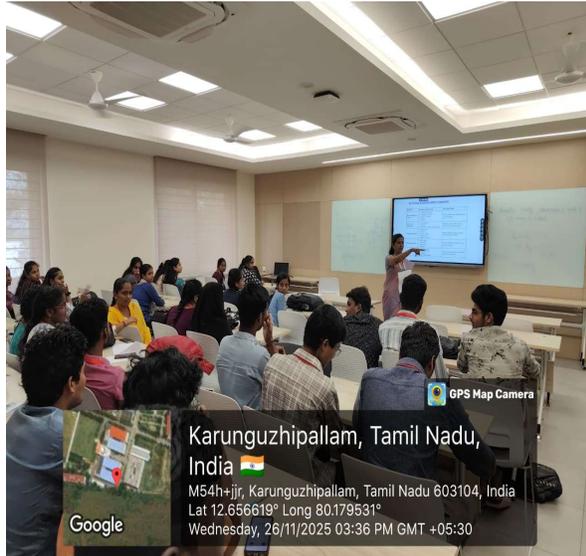
The session was conducted by Dr. S. Pitchumani Angayarkanni with the objective of introducing students to beginner-friendly AI-powered platforms that includes Lovable, Onspace, Base44, Replit, and other open-source AI assistants enable rapid prototyping of mobile and web applications without requiring extensive programming knowledge. The focus was on demonstrating how AI combined with no-code and low-code tools can significantly accelerate innovation and make application development more inclusive and accessible. ive demonstrations showcased real-time application generation, backend automation, and AI-assisted coding using ChatGPT/Copilot-style tools. Hands-on activities enabled students to actively engage with the platforms, allowing them to:

- Experiment with basic app creation
- Explore AI-supported design and simulation features
- Understand practical use cases of AI in development workflows

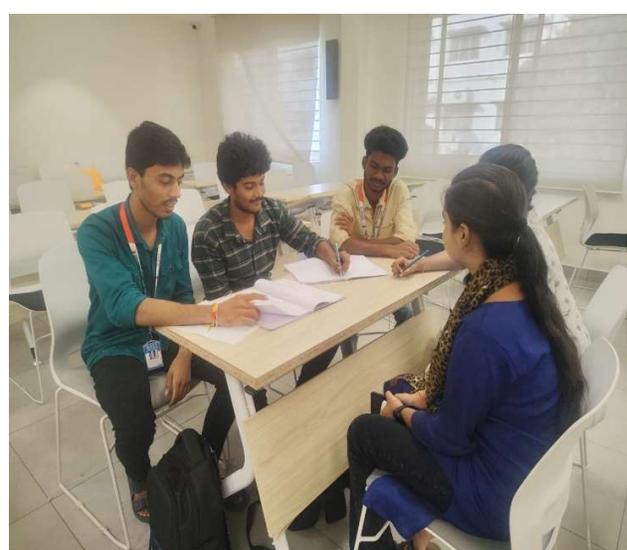


Session 2: Design Thinking with AI Integration

Dr. Poonguzhali S conducted an engaging session introducing students to the principles of design thinking, emphasizing a user-centered approach to problem-solving. The session demonstrated how AI-assisted insights can enhance key stages of the design thinking process, including empathy, ideation, and prototyping.



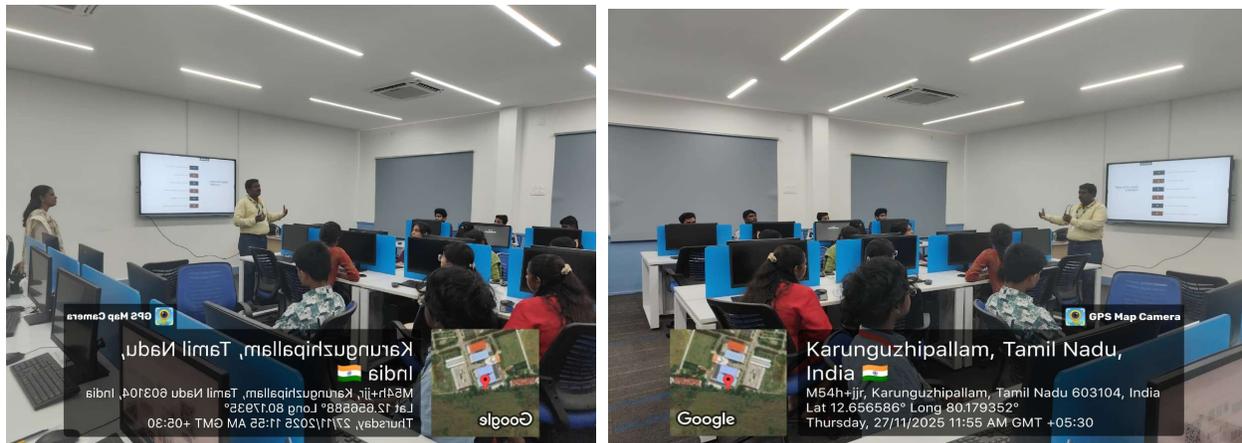
Students worked collaboratively in teams to apply design thinking methodologies to technology-based challenges, encouraging creativity, critical thinking, and innovation. The session effectively bridged AI-driven innovation with user-centric design strategies, enabling students to develop practical, scalable solutions aligned with real user needs.



Day 3 – 27th November 2025

Session 1: AI in Entrepreneurship and Startup Development

Dr. K. Ramu delivered an insightful session on the role of Artificial Intelligence in driving modern startups and business models. The discussion covered key frameworks related to innovation, incubation, and market readiness, helping students understand the startup lifecycle. Through analysis of AI-powered venture case studies, students gained strategic insights into business planning and scalability. The session fostered entrepreneurial thinking, opportunity identification, and innovation-oriented mindsets among participants



Session 2: Idea Pitching using AI Tools

Mr. B. S. Seshadri guided students through the process of pitching tech ideas using AI support. Participants developed and presented their concepts with feedback from faculty. Tools for visualization, prototyping, and storytelling were introduced. The session concluded with a panel discussion and motivational insights.

Participants gained a clear understanding of incubation and accelerator opportunities available at both institutional and national levels. The session highlighted the importance of mentorship, networking, funding, and infrastructure in shaping early-stage entrepreneurial journeys. Students and faculty were motivated to pursue their innovative ideas with confidence, supported by incubation centres and government-led innovation missions.

S.NO	REG NO	NAME	BRANCH & SEC	25-11-2025		26-11-2025		27-11-2025	
				FN	AN	FN	AN	FN	AN
19	AVITUG12718	AMULYA P	BIOTECH & A	Amulya P					
20	AVITUG14350	A N SAI ANANYA	BIOMED & A	A. Ananya					
21	AVITUG12666	D NAVEEN KUMAR	ECE & B	D. Naveen					
22	AVITUG13814	G SAI YASWANTH	ECE & B	G. Sai					
23	AVITUG12759	D MANEESH	CSE(DS) & I	D. Maneesh					
24	AVITUG13609	SK BARI SAIDA	CSE(DS) & I	Sk. Barisaid					
25	AVITUG12031	SK SHAFIYA	CSE(DS) & I	Sk. Shafiya					
26	AVITUG12605	M NASIRA	CSE(AIML) & K	M. Nasira					
27	AVITUG13246	G ANUSHKA	CSE(AIML) & K	G. Anushka					
28	AVITUG14267	G SRAVANTHI	CSE(AIML) & K	G. Sravanti					
29	AVITUG13321	N LOKESH REDDY	CSE(AIML) & K	N. Lokesh					
30	AVITUG14219	SK MASTHAN	BIOTECH & A	Sk. Masthan					
31	AVITUG13751	B PARDHURAJ	CSE(AIML) & M	B. Pardhuraj					
32	AVITUG13912	G NAVEEN KUMAR	CSE(AIML) & M	G. Naveen					
33	AVITUG13143	V CHIRU SRI CHAITANYA	CSE(AIML) & M	V. Chiru					
34	AVITUG13362	MANVITHA Y	CSE(DS) & M	Manvitha	Manvitha	Manvitha	Manvitha	Manvitha	Manvitha
35	AVITUG14033	SYED SAMJIDA	CSE(DS) & M	Syed Samjida					
36	AVITUG12552	M MONICA	CSE(CS) & H	M. Monica					
37	AVITUG12111	N HALEEMA	CSE(CS) & H	N. Haleema					
38	AVITUG14188	K GOVARDHAN REDDY	CSE(CS) & H	K. Govardhan					
39	AVITUG12429	I KUSHAL KUMAR	CSE(CS) & H	I. Kushal					
40	AVITUG12238	CH GANESH Koushik	CSE(AIML) & J	Ch. Ganesh					
41	AVITUG11921	GRUS NASHNA M	CSE(AIML) & J	Grus Nashna					

S.NO	REG NO	NAME	BRANCH & SEC	25-11-2025		26-11-2025		27-11-2025	
				FN	AN	FN	AN	FN	AN
42	AVITUG13505	CH REVANTH	CSE(AIML) & M	Ch. Revanth					
43	AVITUG13760	TEJESH	CSE & N	T. Tejesh					
44	AVITUG13761	T THARUN	CSE & N	T. Tharun					
45	AVITUG13585	P NAGA BHUSHANAM	CSE & N	P. Naga					
46	AVITUG13357	P SARANYA	CSE & G	P. Saranya					
47	AVITUG14233	P SIVA PRANATHI	CSE & G	P. Siva					
48	AVITUG12017	S POOJA	CSE & G	S. Pooja					
49	AVITUG14238	P V V DURGA PRASAD	CSE & G	P. V. V.					
50	AVITUG12793	N HARSHA	EEE & A	N. Harsha					
51	AVITUG12794	P N V SUKASH REDDY	EEE & A	P. N. V.					
52	AVITUG12034	M ANAND	ECE & B	M. Anand					
53	AVITUG13243	Y LONITHA REDDY	CSE(AIML) & J	Y. Lonitha					
54	AVITUG13373	BHANUSHREE S P	CSE(DS) & I	B. Hanushree					
55	AVITUG14284	T LEELA KRISHNA REDDY	CSE & N	T. Leela					
56	AVITUG13870	TANGEELA	BIOTECH & A	T. Tangeela					

S. Pray
SIGNATURE OF CO-ORDINATOR

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