



AICTE- IDEA LAB



(An Autonomous Institution)



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AICTE-IDEA (Idea Development, Evaluation and Application) Lab

VISION

To become Centre of Excellence through quality education and research expertise in the field of Science, Technology, Engineering, Mathematics and Management to meet the global challenges and transform the young aspirants into skilled professionals.

MISSION

- To create awareness and promote business opportunities for young startups and produce sustainable, resilient and competitive entrepreneurs.
- To encourage self-employment inclinations, acquire managerial skills and provide training for operating business.
 - To comprehend the vision of “Make-in-India” in manufacturing sectors.
- To be a superlative university leading to technological and socio-economic developments of the nation by enhancing the universal keenness of technical manpower and by ensuring quality technical education to all sectors of the society.

Chief Mentor



Dr. SHENBAGA EZHIL.S
PROFESSOR & DIRECTOR - IQAC

Faculty coordinator:

S.NO	PERSONNEL	DETAILS
1	Faculty Coordinator – IDEA Lab	Mr. S.Arun, M.E,(Ph.D) Assistant Professor,
2	Faculty Co-Coordinator – IDEA Lab	Ms. M. Indumathi,M.E,(Ph.D) Assistant Professor

Tech Gurus:

S.NO	PERSONNEL	DETAILS
1	<u>Tech Guru</u> – IDEA Lab	Mr.D.Ajith kumar , M.E,(Ph.D) Assistant Professor Department of Mechanical Engineering
2	Tech Guru – IDEA Lab	Mr.P.Gobi, M.E,(Ph.D) Assistant Professor <u>Department of Electronics and Communication Engineering</u>
3	Tech Guru – IDEA Lab	Ms. M. Revathy,<u>M.E,(Ph.D)</u> <u>Assistant Professor</u> Department of Electronics and Communication Engineering
4	Tech Guru – IDEA Lab	Mr. M. Sudhakar ,M.E Assistant Professor Department of Electronics and Communication Engineering

Student Ambassadors:

S.NO	REG No	NAME	DEPT	YEAR
1	210623114009	R.KIRUBANITHI	<u>MECH</u>	III
2	210623114012	V.PREM NARAYANAN	MECH	III
3	210624114302	D.THOMAS	MECH	II
4	<u>210624106021</u>	M.JANANI	ECE	II
5	<u>210624106055</u>	D.USHARANI	ECE	II
6	210623106022	LARINA MARY J	ECE	III
7	210623106033	KARTHIKEYAN B	AIDS	II
8	210624205147	SUMANTH RAAJ	IT	II
9	210624204028	R.BHARANI DHARAN	AIDS	II
10	210624106031	S.NANDHIKHA	ECE	II
11	210623106018	KALAIARASAN C	ECE	III

PLAN FOR SUSTENANCE OF IDEA LAB:

1. To enhance a Centre of Excellence through IDEA laboratory.
2. Availability of IDEA laboratory to the students for 24×7 to enhance their skills and competencies.
3. To organize continuous skill development courses for the students and faculty members of the host and other institutes.
4. To meet out the requirements of industries' needs / expectations, value-added courses will be organized for students.
5. To facilitate networking with professional resources which include mentors, experts, and consultants for carrying out research and consultancy works in the college.
6. To provide training to small scale industries, polytechnic colleges, and nearby schools.
7. We will train students and staff from other institutions in the use of the lab's advanced facilities, broadening our impact and sharing our resources with a wider audience.
8. The lab will operate 24/7 to provide comprehensive manufacturing trials and rapid prototyping services, thereby maximizing the lab's utility.
9. We will develop and market cost-effective educational models for schools, medical colleges, and technical institutions.
10. By partnering with industry leaders, we will tackle real-world challenges and offer internships focused on prototyping and project engagement. This collaboration will provide valuable hands-on experience and address current industry demands, ensuring long-term success

Mandatory Equipment's:

CNC Router

CO2 Laser Cutter



CNC ROUTER



CNC LASER CUTTER