



A. V. C. COLLEGE OF ENGINEERING

(Approved by AICTE, Affiliated to Anna University,
Re-Accredited by NAAC with “B++” Grade (2nd Cycle),
MANNAMPANDAL, MAYILADUTHURAI.



Institution's Innovation Council

Introduction

Ministry of Human Resource Development (MHRD), Govt. of India has established 'MHRD's Innovation Cell (MIC)' to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs). The primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are informative years.

MIC has envisioned encouraging creation of 'Institution's Innovation Council (IICs)' across selected HEIs. A network of these IICs will be established to promote innovation in the Institution through multitudinous modes leading to an innovation promotion eco-system in the campuses.

Major focus of IIC

- To create a vibrant local innovation ecosystem.
- Start-up supporting Mechanism in HEIs.
- Prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework.
- Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas.
- Develop better Cognitive Ability for Technology Students.

Journey and Highlights of IIC

A.V.C. College of Engineering has established the IIC in the year 2019 and started functioning on IIC related activities. IIC Cell of A.V.C. College of Engineering has secured four star rating in the year 2020, two star rating in the year 2021 and three star rating in the year 2022.

A.V.C. College of Engineering has continuously participated in the Smart India Hackathon (SIH) event since the year 2017. In the year 2020, A.V.C. College of Engineering won the first prize in the SIH-software edition and secured the first prize in SIH software edition on a shared basis in the year 2022.

- Members of IIC have attended Ambassador Training Programmes and advanced level training programmes and received the certificates.
- Organized various workshops, Impact Lecture Series, Design and Prototype Competitions and short-term trainings for faculty members and students.
- Received the financial grant of Rs.12,000 from MHRD – IIC for the year 2021- 2022 and organized Two impact online lecture series.
- Ambassador trainings for members of IIC, various workshops and short-term trainings were offered to the faculty members and students.
- Based on the performance report of various activities conducted in the year 2021 -2022, MHRD- IIC has rated the institution with Three Star Rating.
- Smart India Hackathon – Internal Hackathon were conducted and Solutions for the various Ministry Problems were addressed. Six teams were selected for final round of Smart India Hackathon. In the Smart India Hackathon Grand finale, One of our team got the first prize on shared basis for the year 2021 -2022

Vision

To promote the wheel of excellence in Innovation, Incubation, startups and entrepreneurship to uplift the institution towards eminence of excellence in technical education.

Mission

- Encourage the faculty participation in Ambassador training Programmes at different levels
- Creation of Mentor-Mentee System using technology transfer approach.
- Conduct workshops/seminars to expose and promote innovative thinking at regular intervals
- Create Business model and Network with entrepreneur development cell
- Organize idea contests to showcase the innovations.

Functions of IIC

- Promote innovation in the Institution through multitudinous modes leading to an innovation promotion eco-system in the campus.
- To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in time bounded fashion.
- Identify and reward innovations and share success stories.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- Network with peers and national entrepreneurship development organizations.
- Create an Institution's Innovation portal to highlight innovative projects carried out by institution's faculty and students.
- Organize Hackathons, idea competition, mini-challenges etc., with the involvement of industry.
- Benefits to Institute, Faculty and Students No major capital investment required for establishing IIC as it will make use of existing local ecosystem.
- Students/Faculty associated with IIC will get exclusive opportunity to participate in various Innovation related initiatives and competitions organized by MHRD.
- Meet/Interact with renowned Business Leaders and top-notch academicians.

Benefits to Institute, Faculty and Students

- No major capital investment required for establishing IIC as it will make use of existing local ecosystem.
- Students/Faculty associated with IIC will get exclusive opportunity to participate in various Innovation related initiatives and competitions organized by MHRD.
- Win exciting Prizes/Certificates every month.
- Meet/Interact with renowned Business Leaders and top-notch academicians.
- Opportunity to nurture and prototype new ideas.
- Mentoring by Industry Professionals.
- Experimentation with new/latest technologies
- Visit new places and learn a new culture.

Diversified representation in the IIC established at the institute from industry, Interdisciplinary & Departments/ Units etc.

Brief mention of key functionaries at the IIC Institute

S.No.	Name of the Member	Member Type	Key Role / Position assigned in IIC
1	Dr.G.Pradeep	Faculty	IIC President
2	Dr.S.Padmapiya	Faculty	Vice - President
3	Dr.N.Dhanasekar	Faculty	NIRF Coordinator

4	Dr.M.Latha	Faculty	Start-up Activity Coordinator
5	Dr.K.Keerthi	Faculty	Entrepreneurship Activity Coordinator & ARIIA Coordinator
6	Dr.A.Balaji	Faculty	NISP Coordinator
7	Mrs.R.Renukadevi	Faculty	NISP Activity Coordinator
8	Dr. R. Kanimozhi	Faculty	Innovation Activity Coordinator
9	Mr.R.Saravanan	Faculty	Internship Activity Coordinator
10	Mr.S.Rameshwaran	Faculty	IPR Activity Coordinator
11	Mrs.R.Sudha	Faculty	Social Media Coordinator
12	Dr.T.Venkatesan	Faculty	Member
13	Mrs. R. Ramya	Faculty	Member
14	Mr.S.Surya Prakash	Faculty	Member

Events Conducted Details for the year 2021 -2022:

Quarter 1 (Sep – Nov)

- IIC Driven Event – 02

Quarter 2 (Dec – Feb)

- IIC Driven Event – 01
- MIC Driven Event – 00
- Celebration Event – 01
- Self Driven Event – 02

Quarter 3 (Mar – May)

- IIC Driven Event – 05
- MIC Driven Event – 01
- Celebration Event – 01
- Self Driven Event – 03

Quarter 4(June – Aug)

- IIC Driven Event – 05
- MIC Driven Event – 02
- Celebration Event – 03
- Self Driven Event – 02

Quarter	IIC	MIC	Celebration	Self Driven	Topic
Q1	✓				Motivational session by successful Entrepreneur – My Story - EEE Date: 15.11.21 – Entrepreneur Programme
	✓				Workshop on Entrepreneur and innovation as career opportunity - IT
Q2	✓				Workshop on Design Thinking, Critical Thinking and Innovation Design - EEE
				✓	Design Thinking, Critical Thinking and Innovation Design - IT
			✓		National Environment conservation day - Civil
			✓		National Pollution control day - Civil
				✓	Workshop on Cryptography and Cyber Security -
		✓			Orientation session on IIC 4.0 and its features
				✓	Entrepreneurship Opportunity – My Story

Q3	✓				Demo Day
				✓	Invited workshop on API and Rest - CSE
	✓				Workshop on business model canvas
			✓		World IPR Day - EEE
	✓				Field Visit - EEE
	✓				Workshop on prototype design and development - EEE
				✓	Invited Lecture on Micro Services with Devops tools - MCA
	✓				Developing online Repository of Business plan / Prototype developed
Q4	✓				Demo Day - EEE
				✓	Node.js - IT
		✓			Participation on IIC institutions in IIC Regional meet 08.08.2022
		✓			Out of box Thinking for Problem Solving
			✓		World Environmental day - Civil
	✓				Session on Innovation startup from the region / state level
	✓				Session on accelerators / Incubation -
					Session on Innovation/Prototype Validation Prototype Design and Innovative Model Validation - MCA Date 04.08.2022
				✓	Innovation and Entrepreneurship in HEIs for Aatmanirbhar Bharat & Celebrating 75 years of Independence- Azadi ka Amrit Mahotsav : Case Study: Social Media Integrated Search Engines Date: 10.08.2022
			✓		Innovation and Entrepreneurship in HEIs for Aatmanirbhar Bharat & Celebrating 75 years of Independence- Azadi ka Amrit Mahotsav : Painting/ Drawing competition, Essay Writing, Speech Competition. Date:12.08.2022
			✓		Celebrating World Entrepreneur Day – MBA Date: 24.08.2022
	✓				AICTE IIC 4.0 Sponsored Online Impact Lecture Series I – 2 Sessions Date: 01.07.2022
	✓				AICTE IIC 4.0 Sponsored Online Impact Lecture Series II – 2 Sessions Date: 12.07.2022

Highlight Achievements

- Number and Different types of I&E and IPR activities Conducted - 14
- No. of student's & faculty ideas generated – 06 – Yukti Innovation Repository
- No. of student's & faculty Innovation/prototypes developed
 - ✓ 36 Students and 6 faculty members acted as mentors for the project

Highlight selected best Innovations & images with mention of inventor / innovation name

Title: Social media integrated search engine

Team: Baraniraj B, Sasikumar S, Dharanika S, Priyadharshini B, Parkavi P T and Sandhiya B

Event : Smart India Hackathon

Won the first prize in the grand finale



- Smart India Hackathon

Internal hackathon for the Software and Hardware Editions were conducted.

Six SIH teams were selected for the grand finale of AICTE Smart India Hackathon Event during August 25-26, 2022 and one team named SmartCoders22 developed the coding titled” Social media integrated search engine” won the first prize.

S. No	Dept	Team Name	Name of the Team Members	Title of the Project	SIH PS Number	Nodal Centre
1.	CSE	CodErroRepeat	Akshaya. V Santhini Devi.S Sneha. V Haritha.G Sharitha.G Santha Rajani.N	Gaming app etc .for elderly	DA1071	Anand Institute of Higher Technology, Chennai
2.	CSE	TECHNOMADRID	Viswavengadesh D Sathish S Gokulakrishnan V Gopinath B Monika T Parvadhavarthini S	Aadhaar Data Vault (E&IT)	PK835	Vignana Bharathi Institute of Technology, Telangana
3.	CSE	CONQUERS	Abinaya.M Arul.M Vasanth.S Ramaprabhakaran.R Kiruthiga C Samyuktha G U	e-Buddy for rescued child labour (Ministry of labour and employment)	DH1042	IIT (ISM) Dhanbad Jharkhand
4.	IT	VISION2SMART	Mohamed Jasim J Aravinthan A Baraneeswaran C Gokulakrishnan V Karthikeyan V Nishanthini R	Develop a Software for Keyword based retrieval of judgements (E-Court)	AK1212	Sikkim Manipal Institute of Technology, Sikkim
5.	IT	SmartCoders22	Baraniraj B Sasikumar S Dharanika S Priyadharshini B Parkavi P T Sandhiya B	Social media integrated search engine	TK1046	Presidency University, Bengaluru
6.	MCA	SCREENAGERS	Ajith P Kavitha B Senthil Raj S Mahalakshmi M Hemavarshini S Radha Rukmani V	Software for Vocational Training for persons with visual impairment (Retina Icon app)	RK774	Sri Eshwar College of Engineering, Coimbatore

Testimonials



AICTE – IIC 4.0 sponsored online Impact Lecture Series Session I and Session II held on July 1st 2022 and July 12th 2022 respectively.



IIC Rating Certificate for the year 2021 -2022


