MATURI VENKATA SUBBA RAO ENGINEERING COLLEGE - NADERGUL, HYDERABAD

An Autonomous Institution
(Sponsored by Matrusri Education Society, Estd.1980)
Approved by AICTE & Affiliated to Osmania University, Estd.1981
ISO 9001:2015 Certified Institution, Accredited by NAAC

Report Summary on MVSREC IIC 7.0 Calendar Activities for Academic Year 2024-25

Semester -1 (September – February)

Quarter 1 (1st September 2024 - 30th November 2024)

Sr. No	Activity	Mode	Organizing Department	Date(s) Organized
1	Workshop on "Entrepreneurship and Innovation" as Career Opportunity	Offline	EDC Cell	29.11.2024
2	My Story - Motivational Session by Successful Innovators	Offline	MBA Department	28.11.2024
3	From Idea to Impact - Motivational Session by Successful Entrepreneur/Start-up founder	Offline	IT Department	28.11.2024
4	Session on Problem Solving and Ideation Workshop	Offline	ME & AE Departments	26.11.2024
5	Session on " Basics of Intellectual Property Rights and its importance for Innovators and Entrepreneurs	Offline	IPR Cell	28.11.2024
6	Exposure and field visit for problem identification	Offline	CE Department	28.11.2024
7	Organize an Inter/Intra Institutional Idea Competition/ Challenge/ Hackathon and Reward Best Ideas and deposition in the Institution'sYUKTI Innovation Repository	Offline	MSME Idea Hackathon 4.0 Internal	02.11.2024
8	Idea Showcase: Demo Day/Exhibition/Poster Presentation of Ideas/PoC & linkage with Innovation Ambassadors/Experts for Mentorship Support	Offline	EEED & IEEE	27.11.2024
Quarter 2 (1st December 2024 - 28th February 2025)				
1	Workshop on Design Thinking, Critical thinking and Innovation Design	Offline	ECE Department	02.12.2024
2	Organizing Innovation & Entrepreneurship Outreach Program in Schools/Community	Offline	IIC,SESREC, EEE	07.02.2025
3	Organize an Expert talk on Process of Innovation Development, Technology Readiness Level (TRL); Commercialization of Lab Technologies & Tech-Transfer	Offline	CSE Department	22.02.2025
4	Workshop on Effective Sales and Marketing Strategies for Entrepreneurs/startups	Offline	MBA Department	06.01.2025
5	Conduct a Session on Achieving Problem-Solution Fit and Product-Market Fit	Offline	IT Department	27.02.2025
6	Field/Exposure Visit to Pre-incubation units such as Ideas Lab, Fab lab, Makers Space , Design Centres, City MSME clusters, workshops etc.	Offline	EEE Department	25.02.2025
7	Organize an Inter/Intra Institutional Innovation Competition/Challenge/Hackathon and Reward Best Innovations.	Offline	RD Cell & ECE	17.09.2024
8	Mentoring Event: Demo Day/Exhibition /Poster Presentation of Innovations/Prototypes & linkage with Innovation Ambassadors/Experts for Mentorship Support.	Offline	IEEE	10.02.2025

Important Day Celebration Activities for IIC 7.0 Academic Year 2024-25 – Q1 & Q2 – Semester 1

S. No.	Date	Celebration Activity Name	Month	Quarter	Organizing Department/ IIC Member
1	15th October	National Innovation Day	October	Q1	**15.10.2024**
2	09th November	National Entrepreneurship Day	November		**09.11.2024**
3	11th November	National Education Day	November		**11.11.2024**
3	2nd December	National Pollution Control Day	December	Q2	**02.12.2024**
4	14th December	National Energy Conservation Day	December		**21.12.2024**
5	12th January	National Youth Day	January		**10.01.2025**
6	16th January	National Startup Day	January		**16.01.2025**
7	28th February	National Science Day	February		**28.02.2025**

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INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

MVSREC IIC 7.0 Calendar Activities for Academic Year 2024-25

Semester -2 (March – August)

Quarter 3 (1st March – 31st May 2025)

Sr. No	Activity	Mode of Conduct	Organizing Department/ IIC Member	Date(s)
1	Workshop on Prototype/Process Design and Development	Offline	ECE Department	13.03.2025
2	Session/ Workshop on Business Model Canvas (BMC)	Offline	MBA Department	26.04.2025
3	Field/Exposure Visit to Incubation Unit/Patent Facilitation Centre/Technology Transfer Centre such as Atal Incubation Centre etc.	Offline	Civil Department	11.04.2025
4	Session on "How to plan for Start-up and legal & Ethical Steps"	Offline	IT Department	14.05.2025
5	Workshop on "Raising Capital and Managing Finance for startups"	Offline	EEE Department	17.04.2025
6	Workshop on Intellectual Property Rights (IPRs) and IP management for start up	Offline	IPRCell	22.04.2025
7	Organize an Inter/Intra Institutional Business Plan Competition and Reward Best Innovations	Offline	AIMER Hackathon/CSE	06.03.2025
8	Mentoring Event: Demo Day/Exhibition/Poster Presentation of Business Plans & linkage with Innovation Ambassadors/Experts for Mentorship Support	Offline	RDC Cell & CSE Department	25.04.2025
Quarter 4 (1st June – 31st August 2025)				
1	Session on Innovation/Prototype Validation – Converting Innovation into a Start-up or Session on Achieving "Value Proposition Fit" & "Business Fit"	Offline	IT Departments	18.07.2025
2	Session on Accelerators/Incubation - Opportunities for Students & Faculties - Early-Stage Entrepreneurs	Offline	Civil Department	30.07.2025
3	Organize Session on "Lean Start-up & Minimum Viable Product/Business"- Boot Camp (or) Mentoring Session	Offline	ECE Department	17.07.2025
4	Session on Angel Investment/VC Funding Opportunity for Early-Stage Entrepreneurs	Offline	MBA Department	06.08.2025
5	Session/ Panel discussion with innovation and Start-up Ecosystem Enablers from the region/state/national level	Offline	ME Department	30.08.2025
6	Organizing Innovation & Entrepreneurship Outreach Program in Schools/Community	Offline	CSE Department	30.08.2025
7	Organize an Inter/Intra Institutional Start-up Competition and Reward Best Start-ups	Offline	Internal SIH 2024/ EEE Department (MSME/SIH)	30.08.2025 & 25.08.2025
8	Mentoring Event: Demo Day/Exhibition/Poster Presentation of Start-Ups & Linkage with Innovation Ambassadors/Experts for Mentorship Support	Offline		

Important Day Celebration Activities for IIC 7.0 Academic Year 2024-25 – Q3 & Q4 – Semester 2

S. No.	Date/ Month	Celebration Activity Name	Quarter	Organizing Department
1	8th March 2025	International Women's Day	Q3	**Women Cell**
2	21st April 2025	World Creativity and Innovation Day		**ECE Department**
3	26th April 2025	World Intellectual Property Day		**IPR Cell & CSE Department**
4	11th May 2025	National Technology Day		**EEE Department**
5	5th June 2025	World Environment Day	Q4	**CE Department**

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INSTITUTION's INNOVATION COUNCIL (IIC) ANNUAL REPORT 2024-25

A. About IIC Institute

Institution Innovation Council (IIC) at MVSR Engineering College is established with a Vision to develop a Centre of Excellence for Innovations development. At IIC, our Mission is to promote creativity, innovations and develop successful Entrepreneurs contributing to economic prosperity. To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in a time bound fashion and Organizing Hackathons, idea competition, mini-challenges etc. with the involvement of industries.

Vision:

To be a premier Innovation Centre by fostering a vibrant ecosystem for the creation and development of Enterprise

Mission:

M1: Promotion of Creativity and Innovation among Students, Alumni and Faculty members.

M2: To create a climate conducive to excellent teaching - learning Process.

M3: To Support and Facilitate Innovative Product development.

Objectives:

- To inculcate the spirit of innovation.
- To Encourage and support innovations through guidance and mentorship.
- To establish functional ecosystem for scouting and pre- incubation of ideas.
- To develop Technology based Incubation (TBI) centers.
- To encourage innovative projects with commercial viability.

B. Brief mention of key functionaries at the IIC Institute

President

- Holds an important position and is in contact with MIC
- Responsible to ensure a decent performance of IIC and will respond to all the communication from IIC National Coordination Team (MHRD Innovation Cell).

Vice President

- Takes the role of building and strengthening the in-house mentor pool and human resource capacity to drive campus Innovation and Entrepreneurship activities.
- Strengthen the intra and inter-institutional partnership and collaboration to encourage innovation and enabling environment of easy access to resources within and outside the institute.

Convener

- Ensure the participation in the meeting and will prepare the meeting agenda at least 10 days prior, taking valuable inputs from all the council members and President.
- Collect ideas from all the members, Documentation and maintenance of the proceedings like photographs and minutes of the meetings.

Social Media Coordinator

- Create and manage the IIC page/account on Facebook, Twitter and YouTube and other relevant social media platforms.
- Post all the relevant information about the council meeting resolution and action plan, IIC activities and follow/tag MIC/IIC page and posts on these platforms.

Start-up Activity Coordinator

- Identifying and guiding potential/early-stage entrepreneurs, student innovators at the Institute on a regular basis.
- Encourage faculty members and students to pursue research studies related to Entrepreneurship.

IPR Activity Coordinator

- Organize events on IPR related activities as per IIC calendar and plan awareness programmes on a regular basis.
- Commercialize innovations through technology transfer, technology licensing and Start-ups, etc.

Members

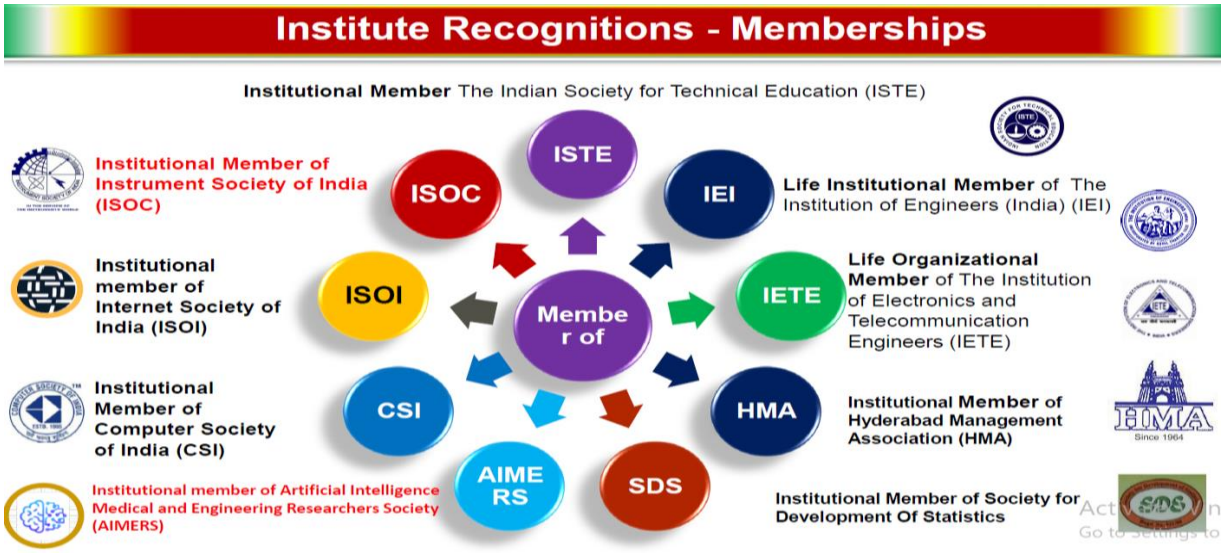
- Ensure the Institution's Innovation Council's logo and the words "in association with Institution's Innovation Council, Ministry of Education (MoE), Govt. of India", is included in the brochure without fail for all the academic activities of their respective departments like webinars, seminars and workshops related to Industry Interaction, Start-up, Entrepreneurship, Research and Innovation/Intellectual Property Rights (IPRs).
- Establish Innovation Clubs for students with all the facilities and equipment needed for Innovation and Entrepreneurship (I & E) activities in their respective departments.
- Develop an Innovative and Entrepreneurial mind-set through a series of activities like workshops, awareness, market outreach events, orientation, advocacy meetings, campus Hackathons and networking events (Intra and Inter-institutional, enablers, stakeholders).
- Develop short term certificate courses on Innovation and Entrepreneurship.
- Persuade departments to offer Major or Minor Specializations or credit courses related to Innovation and Entrepreneurship (I & E) and IPR.
- Organize entrepreneurial skill development/employment generating programmes for external participants (local residents, community members, alumni etc.)
- Procure grants from Government and Non-Govt. Bodies towards promoting and supporting innovations.

C. Portfolio/graphical/Tabular representation of Resource strength (human capital and Physical capital) of the IIC institution

- Total No. of IIC Members: 29
- Total No. of IAs: 12
- Total No. of faculty Mentors from Portal: 02
- Pre-Incubation Units, If any: 01
- Incubation Units, If any: 01
- IP Facilitation Unit, If any: 01

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

S. No.	Name of Pre-Incubation & Incubation Facility	Year of Establishment	Type of Facilities Available	Total No.s of Dedicated Executive/ Management team available	Funding Support for Idea/Prototype/ Innovation Development and implementation (own resource/ received fund from external agencies)
1	Tinkering Lab	2018	3D Printing & Prototype Equipment	3	Yes - Own resources
2	Maker's Space	2019		3	Yes - Own resources
3	EDC Idea club	2018	Computing labs, Electrical & Electronics labs, Civil Engg. & Mech. Engg labs	20	Yes - Own resources



<u>Role of Institutional Memberships in Fostering Innovation and Entrepreneurship</u>

Institutional memberships with reputed professional bodies such as **ISTE, IEI, IETE, CSI, ISOI, ISOC, HMA, AIMERS, SDS**, and others provide a strong foundation for students to enhance their learning beyond the classroom. These memberships create a bridge between academia, industry, and research organizations, enabling students to develop essential **innovation and entrepreneurial competencies**.

Access to Professional Networks
Skill Development through Workshops & Conferences
Exposure to Research & Innovation Platforms
Entrepreneurial Mindset Development
Interdisciplinary Learning
Career Readiness & Employability

E.Highlight Achievements (Narrative/Graphical/tabular representation)

1.	Institution has established the Incubation/Pre-Incubation facility after Constitution of IIC	Yes	
	Number and Different types of I&E and IPR activities Conducted:	**60**	
2.	**Highlight Achievements**	**2023-2024**	**2024-2025**
a.	No.of Ideas Generated	58	122
b.	No.of Innovation Prototype developed	72	25 teams
c.	No.of startups/Venture established/supported	6	0
d.	No. of startup raised angel & VC Investment		0
e.	No. of IPs generated/ published/granted	18(2023)	
i	No. of copyright registered	19	
ii	No. of Industrial designs obtained	1	
iii	No. of Patents filled	3	
iv	No. of Patents Published	190	
v	No. of Patents granted	4	
f	No. of Technology transfer and commercialization happened	0	
3.	**Funding details**		
	Amount spent on awareness and promotion generation on Innovation entrepreneurship in the campus	12,82,000	15,00,000
	Amount grant or fund supported to students & faculty lead innovations, startups and IPRs	12,82,000	14,30,000
4.	**Total cost/Expenses spent towards Innovation and start-ups (2024-2025)**		
	Total Program Implementation Cost		15,00,000
	Total Infrastructure Cost		20,00,000
	Total grant supported to Innovation and start-up cost		14,30,000
5.	**Source of fund contribution to support Innovation and startup (2024-2025)**		
	Total fund received from external agency and sources(3rd Party quality control consultancy services for the year 2024-2025)		52.5 Lakhs

	Total fund spent from own resources (Smart India Hackathon)		1,50,000

F.Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the innovations at different forum

Two teams shortlisted for SIH Grand Finale one team in Hardware and one another team in Software

IIC Faculty members	Achievements
Institution	• Recognized by MSME as Host Institute/ Business Incubator. MSME MVSREC H1/B1(HIBITS003421) • Our B.E programs are accredited 6 times. • No. of Ph.d Supervisors:06 • No.of Research Scholar Awarded:13 • AI Community outreach award presented to our college by Artificial Intelligence Medical and Engineering Research societies • Certification of Appreciation presented to our college for securing all India rank 73 among 1100 participating colleges across India. • Rated in AAA+ in career360's India's Best Engineering College 2025. • World Books of Records has given Certification of participation in conducting five lakh Internship in three years joined organized by Eduskills foundation and AICTE, Ministry of Education, Government of India. • CSI Hyderabad Chapter Excellence Award 2025. • Largest Students Branch Award – 941 Student Members
Faculty	• Dr. Daggubati Sirisha – Best Students Branch Counsellor Award • Dr.K.V.G Rao – Best Research Award
Students	• HIMAMBOT: Identifying Ice Thickness in Frozen Lakes", developed by K.Sri Lasya, Securing 2nd Position in the E-Jignaysa Project Expo held on 3rd May 2025, IEEE , Hyd Section at JNTUH. • Societal outreach Award to A.Bhoomika , Student CSED • Award to L.S.D.Siva Tej Varma , Adopted Nadergul Govt.school, Digital Literacy Program • Outstanding student volunteers – P.Dimple Sri, K. Harshitha, G. Sahithya, Akifa Iram

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

Two teams shortlisted students for SIH 2024 Grand Finale.

First team has developed prototype on Hardware

Second team has developed a prototype on Software

H.Highlight selected start-ups established by students/faculties with mention of founder/cofounder name

*4 startups has been established by students from EEE, Mech.

Roll Number	Name of the Student	Name of the Firm/Company	Particulars
2451-21-736-001 2451-21-736-028	Kuram Tirumala Sampath Ragl Dachepalli Likhitram	SHATPADH TECHNOLO LIMITED	Corporate Identity Numb U63030TG2023PTC1701

I.List if any break through Innovations / Technology Developed at the institute (2-3 technology with 2-3 lines about technology and innovation

MVSREC-SOP This MVSREC-SOP can sharpen educators and institutions to possibly disrupt inquiries and can give an admonishing of likely clashes. Moreover, MVSREC-SOP urges understudies to indirectly find students own assessments about issues, to contrast their suppositions and those of their class-mates, and to test their feelings against proof and well-qualified assessment.

2. IoT Deployment Technology: A System for Controlling Deployment of IoT Devices Over Wireless Networks with an Adaptive Gateway

3. Cloud sharing network: A System for Sharing Images and Multimedia Message in a Cloud Network

J.Participation of IIC-institute in various programs of Central and Stage Govt. Highlighting specially for the schemes or programs

- ARIIA – participation and Rank –Participated in ARIIA - MVSR Engineering College [ARI-C-25615]
- NISP Adoption status - Trained Faculty, Policy Formulation, Policy Implementation
- Smart India Hackathon etc. Participating in SIH 2024 two teams selected for grand finale

  MSME Idea Hackathon 3.0(women) , Project Low cost ventilator using IoT, Sanctioned amount of Rs.4.5 lakhs yet to be received
  Ongoing Consultancy –Research Projects

Department	Project Title	Organization	Duration	Amount
CSE	Defect Prediction Using Source Code metrics Using Machine Learning Approaches	DRDL, DRDO	1 year from 24.11.2024	9.8 lakhs

K.Detail of Social Media & Connections of IIC institute

- MVSREC (@MVSRConnect) / Twitter
- Maturi Venkata Subba Rao Engineering College - Home | Facebook
- MATURI VENKATA SUBBA RAO (MVSR) ENGINEERING COLLEGE | LinkedIn
- https://www.instagram.com/mvsrconnect/

L.Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell

- IIC is doing a great work to the develop Innovation and Entrepreneurship Ecosystem in our campus – Dr.P.V.V.Rama Rao, President
- IIC MVSREC nurtures and incubate early stage entrepreneurs and helps in building a successful business enterprise - Dr. Ch. Samson, Convenor
- IIC, Department coordinators are organsing various programmes under IIC Calendar activity to motivate the students to become Entrepreneurs and to come up with Innovative Ideas.
- We enlighten students' about sustainable living by conducting awareness sessions, celebration days and interactive activities that encourage them to adopt eco-friendly practices. Through these initiatives, students not only gain awareness but also actively participate in developing ideas that contribute to sustainability and community well-being – Mrs.S.E.Pravena
- IIC is an excellent initiative of AICTE, MoE, Govt. of India for organizing Entrepreneurial and Start-up activities - Dr. R. Hafeez Basha, Incubation Manager (IM), Osmania Technology Business Incubator (OTBI), Hyderabad.
- One of the best initiative ever seen by the Ministry of Education, Govt. of India to create a vibrant local ecosystem to nurture professional students and achieve better ranking among Higher Education Institutions – Dr. P.V.V. Rama Rao
- It is a great opportunity for me to be a part of IIC MVSREC, great path for future innovations and a great initiative from our institution – Mr. P.Vikhyath Reddy, Student member, ECE.

- IIC MVSREC is the right platform to explore ourselves and develop our entrepreneurial skills – Mr. K. Pranavi, Student member, MBA
- IIC is one of the best initiatives from our institution, which is a great platform for innovations in our country. It is a pleasure to be a part of MVSREC IIC – Mr. Vishisht Jupudi., Student member, CSE.
- IIC activities encouraged and inspired HEI's students like me to transform the ideas into prototypes – Ms. D. Maduri, Civil Engineering
- We gained valuable insights on Innovation ecosystem related to start-up, entrepreneurship, and IPR - Ms. Navya L., Student member, IPR Cell

M.Images

IIC President

Entrepreneurship Development Cell
&
Innovation and Incubation Cell
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