



**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



**INSTITUTION'S INNOVATION COUNCIL (IIC) ANNUAL REPORT  
2021 - 22**

**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.

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### **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: 52
- Total No. of IAs: 12
- Total No. of faculty Mentors from Portal: 01
- Pre-Incubation Units, If any: 01
- Incubation Units, If any: 01
- IP Facilitation Unit, If any: 01

  
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**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

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

- Number and Different types of I&E and IPR activities Conducted:
- No. of student's & faculty ideas generated: 14
- No. of student's & faculty Innovation/prototypes developed: 04
- No. of IPs generated, published and granted: 19
- No. of Student & Faculty Start-ups/Ventures established: 01
- Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus: Rs. 2,00,000/-
- Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR: Rs. 2,00,000/-
- No. of Technology Transfer and Commercialization happened: NIL

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

IIC Faculty members	Achievements
Dr. Akhil Khare Professor, CSED	Awarded a Merit for Grade - A in Task Based Training (TBT-2020) part of e-Yantra Lab Setup Initiative (eLSI) Teacher Training and got National Patent numbered 202141024084 dated 30-05-2021 ID 2-18- 32/F/306. Also received one copyright.
Dr. Chepuri Samson	Chaired Technical Session in the International Conference on Computational Intelligence & Data Analytics (ICCIDA - 2022). Received Rs. 19,37,000/- from AICTE for Upgradation of Database Management System Laboratory.
Students	Achievements
Karthik Laxmisetti	Smart India Hackathon 2022 senior software edition winner
G. Lohith Reddy	Smart India Hackathon 2022 senior software edition winner
K. Padma Shriya	Smart India Hackathon 2022 senior software edition participation

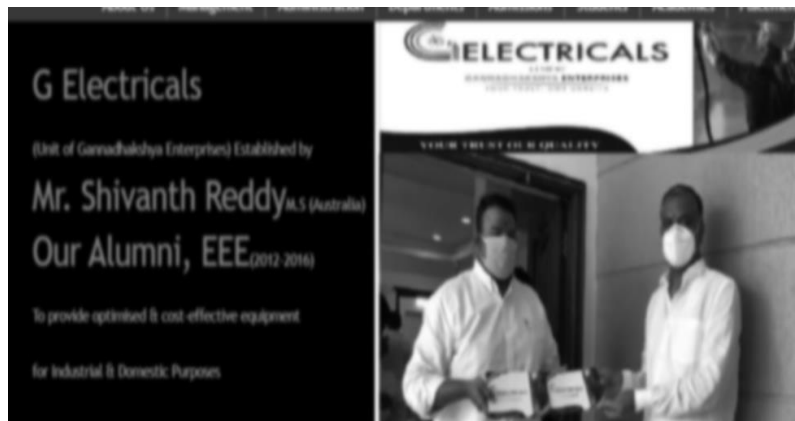
  
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**G. Highlight selected best Innovations & images with mention of inventor/innovation name**



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

- [Entrepreneurship Dev. Cell \(mvsredc.blogspot.com\)](http://mvsredc.blogspot.com)



*T. K. M. A. S.*

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

1. 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]
  - [ARIIA 2021 Report. \(mvsrec.edu.in\)](#)
- NISP Adoption status - Trained Faculty, Policy Formulation, Policy Implementation
  - Policy framework and implementation under process
- Smart India Hackathon etc.
  - Participated in all editions, won one prize in 5<sup>th</sup> edition

**K. Detail of Social Media & Connections of IIC institute**

- [MVSREC \(@MVSRCConnect\) / 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**

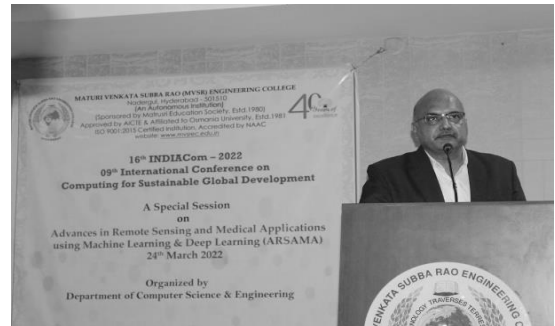
- IIC has been a great contributor to the development of Innovation and Entrepreneurship Ecosystem in our campus - Sri C.V. Gopalakrishna Rao, President
- I feel proud that our IIC has been instrumental in providing the students interaction with entrepreneurs and industry experts - Dr. M. Sree Ramdevi, Vice President
- The IIC MVSREC nurture and incubate Entrepreneurs and helps in building a successful business enterprise - Dr. Ch. Samson, Convenor
- IIC is an excellent initiative of AICTE, MoE, Govt. of India for organizing Entrepreneurial and Start-up activities - Dr. Zahoorullah S MD, Chief Innovation Officer, Atal Incubation Centre ALEAP WE Hub
- IIC is one best initiative by MoE, Govt. of India to create a vibrant local innovation ecosystem and achieve better ranking among Higher Education Institutions – Dr. P.V.V. Rama Rao, IIC Coordinator and ARIIA Nodal officer



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- 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 – Ms. Tahmina Fatima, Student member, Automobile Engineering.
- IIC MVSREC is the right platform to explore ourselves and develop our entrepreneurial skills – Mr. P. Amruth, Student member, ECE
- 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. Vuppala Vivek, Student member, EEE
- IIC activities encouraged and inspired HEI's students like me to transform the ideas into prototypes – Ms. N. Pravallika, Civil Engineering
- We gained valuable insights on Innovation ecosystem related to start-up, entrepreneurship, and IPR - Ms. Buseti Harshitha, Student member, IPR Cell

## M. Images



## N. Contact

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 Professor, EEED & IIC Coordinator  
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 Mobile: 7569508112

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**INSTITUTION INNOVATION COUNCIL (IIC)**

**REPORT OF ACTIVITIES ORGANISED UNDER IIC, SELF DRIVEN AND MIC FOR THE ACADEMIC YEAR  
2021-22**

**Quarter I & II**

Dt: 28.02.2022

Institution Innovation Council organised activities under IIC, Self-Driven and MIC categories prescribed by IIC, Ministry of Education, and Govt. of India for Quarter 1 and Quarter 2 to promote Innovation and start-up in campus during IIC calendar year 2021-22 is as follows:

S. No.	Title of the Event Organized	Dates Organized		No of Days	Activity Type	Quarter
		From	To			
<b>IIC Activities (Q1 &amp; Q2)</b>						
1	IIC Council Upgradation Meeting	28-08-2021	28-08-2021	01	IIC	Q1
2	IIC Council Meeting with New Council (Planning for Q1 Activities)	22-10-2021	22-10-2021	01	IIC	Q1
3	Workshop on "Entrepreneurship and Innovation as Career Opportunity"	20-11-2021	20-11-2021	01	IIC	Q1
4	My Story - Motivational Session by Successful Innovators.	25-11-2021	25-11-2021	01	IIC	Q1
5	My Story - Motivational Session by Successful Entrepreneur/Start-up founder	29-11-2021	29-11-2021	01	IIC	Q1
6	Exposure and field visit for problem identification	1-12-2021	3-12-2021	03	IIC	Q1
7	IIC Council Meeting with New Council ( Review of Q1 Progress & Planning for Q2)	3-12-2021	3-12-2021	01	IIC	Q2
8	Workshop on Design Thinking, Critical thinking and Innovation Design	27-12-2021	27-12-2021	01	IIC	Q2
9	Session on Achieving Problem-Solution Fit & Product-Market Fit	11-02-2022	11-02-2022	01	IIC	Q2
10	Innovations Ambassador Session- Workshop on Entrepreneurship Skill,	23-02-2022	23-02-2022	01	IIC	Q2

	Attitude and Behaviour Development					
11	Expert talk on "Process of Innovation Development & Technology Readiness Level (TRL)" & "Commercialisation of Lab Technologies & Tech-Transfer	26-02-2022	26-02-2022	01	IIC	Q2
<b>Self- Driven Activities (Q1 &amp; Q2)</b>						
1	Innovative Methods in Teaching and Learning	31-07-2021	31-07-2021	01	Self Driven	Q1
2	Innovative Applications in Artificial Intelligence and Machine Learning in the field of Mechanical Engineering	18-10-2021	23-10-2021	06	Self Driven	Q1
3	Systematic Navigation from Innovations Research to Research Proposal	22-11-2021	26-11-2021	05	Self Driven	Q1
4	Field Visit by Brig. Ganesham, President, Pellasrujana	01-12-2021	01-12-2021	01	Self Driven	Q1
5	Session on Entrepreneurship Development	03-12-2021	03-12-2021	01	Self Driven	Q1
6	Innovation Technology adapted in construction industry- Tunnel construction	17-06-2021	17-06-2021	01	Self Driven	Q2
7	Innovative methods in Teaching and Learning through Field visit at BDL P Ltd	18-12-2021	18-12-2021	01	Self Driven	Q2
8	Energy Conservation week by EEE Dept- An Awareness programme	14-12-2021	14-12-2021	04	Self Driven	Q2
9	Orientation Session on Smart India Hackathon	15-02-2022	15-02-2022	01	Self Driven	Q2
10	Online Workshop on "Role of ODOP in making India Self-reliant" for Rural Entrepreneurship Development Cell (REDCs) of Higher Education Institutions	22-02-2022	22-02-2022	01	Self Driven	Q2
11	Innovations Ambassador Session Entrepreneurship Skill development for Young Entrepreneurs	23-02-2022	23-02-2022	01	Self Driven	Q2
<b>MIC Activities</b>						
1	E-Symposium on Building Innovation Ecosystem in	11-01-2022	12-01-2022	02	MIC	Q2



	Educational Institutions					
2	Orientation Session on IIC4.0 & Features	24-01-2022	24-01-2022	01	MIC	Q2
<b>Celebration Day Activities</b>						
1	India Start-up Day	21-08-2021	24-08-2021	04	Celebration Day	Q1
2	National Education Day	11-11-2021	11-11-2021	01	Celebration Day	Q1
3	National Pollution Control Day	02-12-2021	02-12-2021	01	Celebration Day	Q2
4	National Science Day- Mathematics Day Celebration	22-12-2021	22-12-2021	01	Celebration Day	Q2

Report Submitted By:

Dr. Menaka Bammidi  
ARIIA Coordinator & Innovations Ambassador IIC- MVSREC.  
MVSREC

Mr. T. Murali Mohan Raju  
NISP Coordinator

Report Verified By:

Mr. C. V. Gopala Krishna Rao  
Head EEE and President IIC,

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**INSTITUTION INNOVATION COUNCIL (IIC)**

**LIST OF ACTIVITIES ORGANISED UNDER IIC, SELF DRIVEN AND MIC FOR THE  
ACADEMIC YEAR 2021-22**

**QUARTER III & IV**


Dt.: 15.09.2022

Institution Innovation Council organised activities under IIC, Self-Driven and MIC categories prescribed by IIC, Ministry of Education, and Govt. of India to promote Innovation and start-up in campus during *Quarter III & IV* is as follows:

S. No.	Title of the Event Organized	Dates Organized		No of Days	Activity Type	Quarter
		From	To			
<b>IIC Activities</b>						
1	Session on Prototype Development and Business Model Canvas by Innovations Ambassador to MVSREC Hyd and ITM University Raipur	03-03-2022	03-03-2022	01	IIC	Q3
2	Start Up Opportunities for MBA Students in association with KVIC	04-03-2022	04-03-2022	01	IIC	Q3
3	Demo Day/Exhibition/Poster Presentation of Business Plan/Prototype developed & linkage with Innovation Ambassadors for mentorship support.	29-04-2022	29-04-2022	01	IIC	Q3
4	Session on IPR in association with ITD & CSED MVSREC.	12-05-2022	12-05-2022	01	IIC	Q3
5	Incubation - Opportunities for Students & Faculties – Early Stage Entrepreneurs	18-06-2022	18-06-2022	01	IIC	Q4
6	Angel investment/ Venture Capital funding opportunity for early stage Entrepreneurs	25-06-2022	25-06-2022	01	IIC	Q4
7	Demo Day/Exhibition/Poster Presentation of Start-ups developed & linkage with Innovation Ambassadors for mentorship support.	08-07-2022	08-07-2022	01	IIC	Q4
8						
<b>Celebration Day Activities</b>						
1	World Earth Day	22-04-2022	22-04-2022	01	Celebration Day	Q3
2	National Technology Day	11-05-2022	11-05-2022	01	Celebration Day	Q3
3	World Environment Day	28-05-2022	28-05-2022	01	Celebration Day	Q4
4						

Self-Driven Activities						
1	One week workshop on Innovative methods in Finite Element Analysis using ANSYS & ABACUS by AED	21-03-2022	25-03-2022	05	Self-Driven	Q3
2	Innovative Process Design and Development and its application- ARDUINO	28-03-2022	01-04-2022	05	Self-Driven	Q3
3	Research Symposium 2022	08-04-2022	08-04-2022	01	Self-Driven	Q3
4	Women in Entrepreneurship in association with ACM of MVSREC	09-04-2022	09-04-2022	01	Self-Driven	Q3
5	Poster Design Competition for Business Ideas	11-04-2022	11-04-2022	01	Self-Driven	Q3
6	Session on IPR Filling and process	26-04-2022	26-04-2022	01	Self-Driven	Q3
7	MVSR Internal Hackathon 2022	30-04-2022	30-04-2022	01	Self-Driven	Q3
8	IPR AWARENESS PROGRAM	29-08-2022	29-08-2022	01	Self-Driven	Q4
9						
10						
MIC Activities						
1	Creation of e-Repository of e-Learning Sessions on I&E at IIC Institute	March 2022	March 2022	01	MIC	Q3
2	Out of the box thinking for problem solving	28-06-2022	28-06-2022	01	MIC	Q4
3	Participation of IIC Institutions in IIC Regional Meets	12-08-2022	12-08-2022	01	MIC	Q4
4	Building Institute Level YUKTI - National Innovation Repository (NIR)	Aug. 2022	Aug. 2022	01	MIC	Q4
5	IIC Annual Report 2021-22	Aug. 2022	Aug. 2022	01	MIC	Q4

Report Submitted By:



Dr. P.V.V. Rama Rao

ARIIA Nodal Officer & Innovations Ambassador IIC- MVSREC.



CV GOPALAKRISHNA RAO

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