



NARSIMHA REDDY ENGINEERING COLLEGE

UGC AUTONOMOUS INSTITUTION

Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana State, India

UGC - Autonomous Institute
Accredited by NBA & NAAC with 'A' Grade
Approved by AICTE
Permanently affiliated to JNTUH



Annual Report 2023-24

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.

Major Focus of IIC:

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

Narsimha Reddy Engineering College, Secunderabad has established institution innovation council (IIC) as per the norms of Innovation cell, Ministry of HRD, Govt. Of India during IIC Calendar year 2018-19.



NRCM Established Certificate

To promote innovation and start-up in campus during the IIC calendar year 2018-19 the institution got two star rating. The IIC cell and entrepreneurship Cell undertakes various activities prescribed by Innovation cell, Ministry of Education, Govt. Of India to promote Innovation and start-up in campus during the IIC calendar year 2019-20 the institute got five stars rating, IIC calendar year 2020-21 the institute got four stars rating, IIC calendar year 2021-22 the institute got 3.5 stars rating.



3 Star Rating Certificate for the Year 2022 - 23



3.5 Star Rating Certificate for the Year 2021 - 22



4 Star Rating Certificate for the Year 2020 - 21



5 Star Rating Certificate for the Year 2019 - 20



2 Star Rating Certificate for the Year 2018 - 19

NRCM has established Institution's Innovation Council (IIC) as per the guidelines of 'MoE's Innovation Cell (MIC)' in the year 2018-19. The initiative was to create a vibrant local innovation ecosystem, start-up supporting mechanism, establish function ecosystem for scouting ideas and pre-incubation of ideas and to develop better cognitive ability for technology students. NRCM IIC is actively involved in organizing and conducting seminars, workshops, field trips, project

exhibitions, entrepreneurship bootcamps, Idea competitions etc. for its students and faculties.

After the success of IIC2.0, IIC 3.0, IIC 4.0 and IIC 5.0 the Institution's Innovation Council up-gradation meeting was held. The meeting was called upon by IIC President Dr. M. Shoban to congratulate all for attaining the 3 Rating for the academic year 2022-23 and plan the activities for the year 23-24. The IIC member details for the academic year 2023-24 are as follows:

Sr. No.	Name of Member	Member Type (Teaching/ Non-teaching / External Expert)	Key Role/ Position assigned in IIC
1	Dr. M. Shoban	Teaching	President
2	Dr Purushotham Prasad Kaliseti	Teaching	Vice President
3	Dr.P. Dileep Kumar Reddy	Teaching	Convener, IPR , ARIIA coordinator
4	Dr. N. Kavitha	Teaching	Innovation Activity Coordinator
5	Dr. Murugesan	Teaching	Internship Coordinator
6	Dr. K.Eswaramoorthy	Teaching	NIRF Coordinator
7	Mr. D Srinivas	Teaching	Social Media Coordinator
8	Mr. Bhimappa Yadahalli	Teaching	Startup Coordinator
9	V. Bhakar Reddy	External Expert	Industry Expert
10	G.Saritha	External Expert	Industry Expert
11	Kashi Rimpu	Student	Member, Incubation Centre
12	M Ajay Sai Kumar	Student	Member, IPR Coordinator
13	Shaik Jakeer	Student	Member, Social Media Coordinator
14	shiva kumar	Student	Member, Internship Coordinator
15	Navaz	Student	Member, Startup Coordinator
16	P Vinayak Yadav	Student	Member, Innovation Coordinator
17	K.spoorthi	Student	Member, Research Centre
18	Siddiqua Tabassum	Student	Member, ED Cell

The Institution's Innovation council of MHRD's Innovation Cell organised a series of training programs exclusively for IIC members. During the current academic year, six of the faculty members have completed these training sessions and are designated as "IIC - Innovation Ambassador". They are trained to play a role

of mentor or guide for young minds in their pursuit of innovation and entrepreneurship.

**Participation of NRCM- IIC in various programs of Central and Stage Govt.
Received 3.0 Star Rating & Letter of appreciation in IIC 5.0 & NIRF Ranking
apperception Letter**



Functionaries at the IIC Institute

President:

- The President will constitute the IIC council and appoint its members. He/She is responsible for ensuring that Quarterly Council Meeting is planned effectively. Conduct Council Meeting in accordance with prescribed rules and that matters are dealt with in an orderly, efficient manner.

- He/ She will lead the IIC Council.

- He/ She will have the IIC portal Login ID and will be the custodian of IIC portal login and data/ reports uploaded therein.

- He/ She will call the meetings, set meeting agenda and will monitor the deliverable.

- He/ She will be the main point of contact with MHRD Innovation Cell.

- He/ She will respond to all communication from IIC National Coordination team (MHRD Innovation Cell) and will be responsible to ensure decent performance of IIC.

- He/ She will coordinate with MHRD innovation cell and responsible for all the IIC activities in the institute.

- He/ She will ensure Institution's participation in IIC calendar activity and take lead in the institution driven activities (own initiatives).

- He/ She will ensure the effective implementation of IIC activities with the help of Convenor.

- He could change the council members as per the decision taken in council meetings and update the information on portal.

- He/ She will be responsible for submitting the monthly progress/activity reports on the IIC portal.

Vice President:-

- It is an Honorary post for a senior expert representative from Industry/Ecosystem enablers. He/She can be from faculty representative as well in case no experts are available.

Convenor: -

- The Convenor will work in close coordination with IIC president and will provide help wherever required for smooth conduction of activities.

- He/ She will ensure the participation in the meeting and will prepare the meeting agenda at least 10 days prior to meeting with the inputs from all valuable council members and President.

- He/ She will ensure that the internal examination dates would not interfere with the IIC activities and coordinate with all departments to ensure the same.

- He/ She will collect the inputs from all the members of the council at regular interval, especially external members for better planning of IIC activities and effective delivery of results.

Faculty Member/Faculty representatives/ Non teaching staff: -

Following members will work in close coordination with President and Convener to develop a comprehensive ecosystem of innovation and synergy in efforts to boost entrepreneurship. They will work as per the responsibilities assigned in council meeting.

Innovation activity coordinator -

Will work to promote innovation related activities on campus or as mandated in IIC council meeting.

Start-up activity coordinator -

Will work to boost startup generation among students and related activities or as mandated in IIC council meeting.

Internship coordinator -

Will work to arrange student internships in startups, so to expose them with startup ecosystem in India, real-life challenges in startup and their success stories or as mandated in IIC council meeting.

IPR activity coordinator -

To promote awareness about IPRs and conduct related activities on campus or as mandated in IIC council meeting.

Social Media Coordinator -

Will create and manage IIC page/account on Facebook, Twitter and YouTube and other relevant social media platforms. He / She will be responsible for posting all the relevant information about council meeting resolution and action plan, IIC activities and follow/tag MIC/IIC page and posts on these platforms. He/ She will also ensure that all students follow MIC/IIC page/account on social media to get first-hand information.

Detail of Social Media & Connections of IIC institute

<https://www.facebook.com/NarasimhaReddyEngineeringCollege.NRCM/>

https://twitter.com/nrcm_college?lang=en

https://www.instagram.com/narsimhareddycollege_nrcm/?hl=en

The IIC Calendar Activities are distributed in four quarters. Every quarter comprises IIC Calendar activity, MIC Driven Activity and Self Driven activity. IIC Calendar activity and Self driven activities are planned and conducted by the IIC members for the benefit of its students and faculty members

The Faculty Innovation Ambassador online training 2021-21 completed are:

Dr. Tiwari Durgaprasad Honey

Dr.R.Rajagopal

The institute has every year participated in various programs of Central and State Govt. programs like ARIIA Ranking, Smart India Hackathon etc.

Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2020-21
 Institute Name: Narsimha Reddy Engineering College [ARI-C-27180]

List all the departments / centers / units are part of innovation and startup ecosystem of the institute

Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Beneficiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
Department of Computer Science and Engineering	Academic Department with lab facility	Computer Science	UG / PG / PHD	Technical	642	35	2
Department of Electronics and Communication Engineering	Academic Department with lab facility	Electronics and Communication Engineering	UG / PG / PHD	Technical	359	24	1
Department of Civil Engineering	Academic Department with lab facility	Civil Engineering	UG / PG / PHD	Technical	185	12	1
Department of Electrical and Electronics Engineering	Academic Department with lab facility	Electrical and Electronics Engineering	UG / PG / PHD	Technical	178	10	1
Department of Mechanical Engineering	Academic Department with lab facility	Mechanical Engineering	UG / PG / PHD	Technical	274	27	4
Narsimha Reddy Engineering College Incubation Centre	Incubation Unit	CSE,IOT,EEE,ECE, Mechanical,Civil	UG / PG / PHD	Technical	96	24	7
Nriom EDC Cell	Industry Institute Interface Unit	CSE,EEE,ECE, Mechanical, Civil	UG / PG / PHD	Both	56	12	0
Nriom IPR Cell	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	CSE,EEE,ECE, Mechanical, Civil	UG / PG / PHD	Technical	56	26	0
Department of Management Studies	Academic Department with lab facility	Management Studies	UG / PG / PHD	Both	72	10	1
Department of Humanities and Science	Academic Department with lab facility	Humanities and Science	UG / PG / PHD	Technical	642	10	4

Participation of HEI in Innovation & Entrepreneurship Initiatives of Ministry of Education (Till Today)

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	Yes	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	Yes	IIC Registration ID : IC201810047
Trained Innovation Ambassadors at HEI	Yes	Not Required
Participation in Smart India Hackathon (SIH)	No	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	Yes	Not Required

IIC Regional Meet held on 11th December 2023 @ INSTITUTE OF AERONAUTICAL ENGINEERING. 4 Faculty Members were attended, it's a Knowledge sharing session on IIC, NISP, ARIIA and IP and Technology Transfer also explained the features of YUKTI in the IIC Regional Meet.



Activity Planner for Quarter I

IIC 6.0 NRCM Activities for Academic Year 2023-24					
Semester -1 (September – February)					
Quarter 1 (1st September - 30th November)					
Sr. No	Activity	Association with	Month-Week	Mode of Conduct	Thrust Area
1	Workshop on “Entrepreneurship and Innovation” as Career Opportunity	ME Dept.	Sep-Week-3	Offline/Online	Inspiration, Motivation and Ideation
2	My Story - Motivational Session by Successful Innovators	EEE Dept.	Sep-Week-3	Offline/Online	
3	My Story - Motivational Session by Successful Entrepreneur/Start-up founder	ECE Dept.	Sept-Week-4	Offline/Online	
4	Session on Problem Solving and Ideation Workshop	Civil Dept.	Oct-Week-1	Offline/Online	
5	Exposure and field visit for problem identification	Emerging Dept	Oct-Week-2	Offline	
6	Organise an Inter/Intra Institutional Idea Competition and Reward Best Ideas - Manage through YUKTI-NIR	ECE Dept.	Nov-Week-2	Offline	
7	Mentoring Event: Demo Day/Exhibition/Poster Presentation of Ideas/PoC & linkage with Innovation Ambassadors/Experts for Mentorship Support - Manage through YUKTI-NIR	CSE Dept.	Nov-Week-3	Offline/Online	

Important Day Celebration Activities for IIC Academic Year 2023-24					
Sl. No	Date	Celebration Activity Name	Association with	Month	Quarter
1	15th October	Institution's Innovation Day (Dr APJ Abdul Kalam's birth anniversary)	MBA Dept	October	Q1
2	9 th November	National Entrepreneurship Day	Emerging Dept.	November	
3	11th November	National Education Day	H&S Dept.	November	

Self-Driven Activities Quarter 1 (1st September - 30th November)					
1	Any Motivational Seminar or workshop or webinar on Innovation, Ideation & Entrepreneurship		Mec Dept	Inspiration, Motivation and Ideation	Q1
2	Field Visit for problem identification and Solution fit		EEE Dept.		

3

Any Motivational Seminar or workshop or webinar on Innovation, Ideation & Entrepreneurship

H&S Dept



Activity Planner for Quarter II

IIC 6.0 NRCM Activities for Academic Year 2023-24					
Semester -1 (September – February)					
Quarter 2 (1st December- 28th February)					
Sr. No	Activity	Association with	Month-Week	Mode of Conduct	Thrust Area
1	Workshop on Design Thinking, Critical thinking and Innovation Design	EEE Dept.	Dec-Week-1	Offline/Online	Validation and Concept Development
2	Organizing Innovation & Entrepreneurship Outreach Program in Schools/Community	EEE Dept.	Dec-Week-2	Offline	
3	Organise an Expert talk on Process of Innovation Development, Technology Readiness Level (TRL); Commercialisation of Lab Technologies & Tech-Transfer	ECE Dept.	Dec-Week-1	Offline/Online	
4	Workshop on Entrepreneurship Skill, Attitude and Behaviour Development	ECE Dept.	Dec-Week-2	Offline/Online	
5	Conduct a Session on Achieving Problem-Solution Fit and Product-Market Fit	Civil Dept	Jan-Week-4	Offline/Online	
6	Field/Exposure Visit to Pre-incubation units such as Ideas Lab, Fab lab, Makers Space, Design Centres, City MSME clusters, workshops etc.	Civil Dept.	Feb-Week-1	Offline	
7	Organise an Inter/Intra Institutional Innovation Competition and Reward Best Innovations - Manage through YUKTI-NIR	MBA Dept	Feb-Week-2	Offline	
8	Mentoring Event: Demo Day/Exhibition/Poster Presentation of Innovations/Prototypes & linkage with Innovation Ambassadors/Experts for Mentorship Support - Manage through YUKTI-NIR	MBA Dept.	Feb-Week-2	Offline/Online	

Important Day Celebration Activities for IIC Academic Year 2023-24

Sl. No	Date	Celebration Activity Name	Association with	Month	Quarter
1	2nd December	National Pollution Control Day	CSE Department	December	Q2
2	14th December	National Energy Conservation Day (India)	CSE Department	December	
3	12 th January	National Youth Day	Emerging Department	January	
4	16th January	National Startup Day	Emerging Department	January	
5	28th February	National Science Day	FME Department	February	

Self-Driven Activities Quarter 2 (1st December- 28th February)

1	Any Motivational Seminar or workshop or webinar on Innovation, Ideation & Entrepreneurship	Emerging Department	Inspiration, Motivation and Ideation	Q2
2	Field Visit for problem identification and Solution fit	FME Department		
3	Any Motivational Seminar or workshop or webinar on Innovation, Ideation & Entrepreneurship	ME dept.		



Activity Planner for Quarter III

IIC 6.0 NRCM Activities for Academic Year 2023-24					
Semester II (March – August)					
Quarter 3 (1st March - 31st May 2024)					
Sr. No	Activity	Association with	Month -Week	Mode of Conduct	Thrust Area
1	Workshop on Prototype/Process Design and Development.	CSE Dept.	March-Week-2	Offline/Online	Validation and Concept Development
2	Session/ Workshop on Business Model Canvas (BMC)	Emerging Dept.	March Week-4	Offline/Online	
3	Field/Exposure Visit to Incubation Unit/Patent Facilitation Centre/Technology Transfer Centre such as Atal Incubation Centre etc.	Mec Dept.	April-Week-2	Offline	
4	Session on “How to plan for Start-up and legal & Ethical Steps”	ECE Dept.	April -Week-3	Offline/Online	
5	Workshop on Intellectual Property Rights (IPRs) and IP management for start up	Civil Dept	April -Week-4	Offline/Online	
6	Organize an Inter/Intra Institutional Business Plan Competition and Reward Best Innovations.	Civil Dept.	May-Week-1	Offline	
7	Mentoring Event: Demo Day/Exhibition/Poster Presentation of Business Plans & linkage with Innovation Ambassadors/Experts for Mentorship Support.	MBA Dept	May-Week-2	Offline/Online	
Important Day Celebration Activities for IIC Academic Year 2023-24					
Sl. No	Date	Celebration Activity Name	Association with	Month	Quarter
1	8th March 2024	International Women’s Day	SAC	March	Q3
2	21st April 2024	World Creativity and Innovation Day	SAC	April	
3	26th April 2024	World Intellectual Property Day	SAC	April	
4	11th May 2024	National Technology Day	SAC	May	



Advantages / Legal management of IPR to start-ups

- Provides protection from copying of an idea/IPR
- Gives ability to defend in the court to claim your sole right.
- Legally stops others to use, make, sell or import without your prior permission.
- One can use trademark for strategic alliances.
- Improves knowledge through studying other IPR literature
- Can be sold or licensed for creating revenue
- Offering distinctive products/services to your customers
- Become an essential part of your marketing or branding
- Can be used as an asset as security against loans
- Increase valuation of technology transfer
- Increase trust of inventors
- Image of start-up in society
- Improves confidence of start-up

22 - Kishori Naik has left the meeting

hdq-bhcc-kuq

Meeting participants: Narendra Choughule, SRBS Programme, Madha Ali, SHIVANI KADAM, Debesh Pradhan, Vikas Gita, 49 others, You

Activity Planner for Quarter IV

IIC 6.0 NRCM Activities for Academic Year 2023-24					
Semester II (March - August)					
Quarter 4 (1st June - 31st August)					
1	Session on Innovation/Prototype Validation – Converting Innovation into a Start-up or Session on Achieving “Value Proposition Fit” & “Business Fit”	Civil Dept.	June-Week-1	Offline/Online	Awareness about Startup and related Ecosystem Support Services for Startup Development
2	Session on Accelerators/Incubation - Opportunities for Students & Faculties - Early-Stage Entrepreneurs	Civil Dept	June-Week-2	Offline/Online	
3	Organize Session on “Lean Start-up & Minimum Viable Product/Business”- Boot Camp (or) Mentoring Session	EEE Dept.	June-Week-3	Offline/Online	
4	Session on Angel Investment/VC Funding Opportunity for Early-Stage Entrepreneurs.	EEE Dept.	June-Week-4	Offline/Online	
5	Session/ Panel discussion with innovation and Start-up Ecosystem Enablers from the region/state/national level	ECE Dept.	July-Week-1	Offline/Online	
6	Organizing Innovation & Entrepreneurship Outreach Program in Schools/Community	ECE Dept	July-Week-2	Offline	
6	Organize an Inter/Intra Institutional Start-up Competition and Reward Best Start-ups - Manage through YUKTI-NIR	MBA Dept.	July-Week-3	Offline	
7	Mentoring Event: Demo Day/Exhibition/Poster Presentation of Start-Ups & Linkage with Innovation Ambassadors/Experts for Mentorship Support - Manage through YUKTI-NIR	MBA Dept..	July-Week-4	Offline/Online	
Important Day Celebration Activities for IIC Academic Year 2023-24					
Sl. No	Date	Celebration Activity Name	Association with	Month	Quarter
1	5th June	World Environment Day	CSE	June	Q4
2	29 th July	4 th Anniversary of National Education Policy (NEP) 2020	SAC	July	
3	15th August	Independence Day- Celebrating Aazadi KaAmritkal	SAC	August	
4	21st August	World Entrepreneurs Day	CSE	August	

Self-Driven Activities Quarter 4 (1st June - 31st August)

1	Any Motivational Seminar or workshop or webinar on Innovation, Ideation & Entrepreneurship	MEC Dept.	Inspiration, Motivation and Ideation	Q4
2	Field Visit for problem identification and Solution fit	MEC Dept.		
3	Any Motivational Seminar or workshop or webinar on Innovation, Ideation & Entrepreneurship	MEC Dept.		



Achievements:

Field description	Data
Number and Different types of Innovation & Entrepreneurship and IPR activities Conducted	66
No .of student's & faculty ideas generated	40
No. of student's & faculty Innovation/prototypes developed	40
No.of IPs generated, published and granted develop	46
No.of Student & Faculty Start-ups/Ventures established.	2
Entrepreneurship in the campus	3
Amount grant or fund supported to student &Faculty lead Innovations, start-ups and IPR	Nil

Best IIC Faculty/Student members and their achievements/Rewarded Student Achievements

Student Activities

- Student Activity Center (SAC):
Student Activity Center is a platform where student get an opportunity to develop character, critical thinking, problem solving, team building and leadership skills.
National Youth Conclave held on 03rd & 4th March 2023.
Hackathon
Freshers Week
Project Expo
Technical Fest
Traditional Day
Annual Day etc.
- NREC extending outreach activities to the local community through our NSS unit.
The various activities conducted through NSS unit are Blood Donation Camps at Institution to serve the needs of Government Hospital and Red Cross Society.
- Tree Plantation.

Faculty Achievements

- **73 Research Papers** were published in SCI / SCOPUS and Web of Sciences Research Journals by our faculty members.
- We are proud to present that **14 patents of National / International** were published and **1 Patent is Granted** by our faculty members in various domains, and that added glory to the fame of the college.

- In order to promote high quality Teaching Learning Process and Research Culture among the Students and Staff, the college is recruiting faculty with Ph.D from top institutions like IITs, NITs and reputed universities.
- All M.Tech faculty are encouraged to register for Ph.D. programme in reputed universities.
- Faculty are encouraged to participate in Faculty Development Programmes like certification courses offered by NPTEL, Project Dhrona through TASK, Govt. of Telangana.

Awards:

- 1) Dr. P. Dileep Kumar Reddy, Professor, CSE Department, Received Award “Best Researcher Award” for contribution in the field of engineering for technical papers, citations and patents Computer Society of India, Hyderabad- Excellence Awards 2024 to be held at Potti Sreeramulu Telugu University is an approved State University located at Hyderabad, Telangana 4 PM on 29th June 2024 (Saturday).
- 2) KUDITHIKUNTA ANUSHA, Rising Star Educator Award, Artificial Intelligence Medical and Engineering Researchers Society March 2024.

FDP/ Workshops and Conferences Conducted:

- 1) Dr. P. Dileep Kumar Reddy Organized a One Week Workshop on " Societal applications of Block Chain Technology and Cyber Physical Systems " organized by Department of Computer Science and Engineering , Narsimha Reddy Engineering College, Hyderabad, in association with DST- SERB 10-Jul-2023 to 15-Jul-2023, as **Convener**.
- 2) Dr. P. Dileep Kumar Reddy organized a One Week Offline Workshop on Societal application of Artificial intelligence and Machine Learning in Mechanical and Civil Engineering organized by Department of Computer Science and Engineering , Narsimha Reddy Engineering College, Hyderabad, in association with CSIR-HRDG 18th –23rd December, 2023, as **Convener**.
- 3) Dr. P. Dileep Kumar Reddy Organized a One Week Online Faculty Development Programme on Emerging Tools & Techniques in Cloud Computing & Data Science (19th -24th February 2024) School of Computer Science, Narsimha Reddy Engineering College (Autonomous) Hyderabad as **Convener**.
- 4) Dr. P. Dileep Kumar Reddy Organized a One Day National Conference on Emerging Trends in Computer Science & Engineering [NCETCSE 2024] by School of Computer Science, Narsimha Reddy Engineering College (Autonomous) Hyderabad from 16th April 2024, as **Convener**

On-going & completed projects 2023-2024 Sanction Amount:

- 1) Received an amount of Rs. 50000/- for organizing a One week Workshop on “Societal application of Artificial intelligence and Machine Learning in Mechanical and Civil Engineering” from “18th December 2023 to 23rd December 2023” Grant sanction letter No. Sym/12223/23 Dated: 28/11/2023 Sponsored by CSIR- HRDG, Coordinated by Dr. P. Dileep Kumar Reddy.

- 2) Technology to take off CO2, Waste to wealth creation, circular solutions 7 waste management, MSME, Government of India an amount Rs. 1500000 Coordinated by Dr. Murugesan R.
- 3) Received an amount of Rs. 150000/- for organizing a One week Workshop on “Societal applications of Block Chain Technology and Cyber Physical Systems” File Number: SSY/2023/000308, Submission Date: 27-Mar-2023, Application for Financial Assistance for Seminar/Symposia 150000/- in the year 2023-2024. File No: SERB/F/5060/2023-2024 Dated: 19/08/2023, Sponsored by DST-SERB, Coordinated by Dr. P. Dileep Kumar Reddy.
- 4) Entitled “Eco- Friendly India” Sustainable fashion Bhukya Jasvath (Student) MSME Idea Hackathon 2.0 Under the incubation Component of MSME Innovative scheme GoI Assistance. The total Project cost is 1500000/- File No: 17(2)/MSME Innovation/PMAC/2021-22 Dated:13/07/2023. Dr. P. Dileep Kumar Reddy (Mentor of the Project).
- 5) Submitted on Proposal (RFP) for Special Projects under Pradhan Mantri Kaushal Vikas Yojana 4.0 PMKVY 4.0, The Ministry of Skill Development & Entrepreneurship (MSDE), Govt. of India, for FY 2023-24 PIA - Jakkula Educational Society, IT-ITeS, AI - Data Engineer, Cloud Application Developer, Web Developer for the Target 1440.

2023-2024 Proposal Submission for the Faculty:

- 1) “Braille Link Mobile Embosser Pad: Transforming Digital Literacy Access for the Visually Impaired through Mobile Embossing in Braille” Temporary Registration No. : TPN / 100053, Submission Date: 26/09/2023, Division: SEED, Programme or Scheme : Technology Interventions for Disabled and Elderly (TIDE), Total Amount in Rs. 5674902/-, Project Interview Completed on : 28/05/2024, Principal Investigator: Dr. P. Dileep Kumar Reddy , Co- Investigators: Dr. G. Ramu, Dr. Srinivas Rao Nidamanuru.
- 2) Applied on Indian Space Research Organization (ISRO), on “Societal application of Atomic Object detection With Deep Learning” from 5th – 10th February, 2024. The proposed FDP, if approved, will be coordinated by **Dr. P. Dileep Kumar Reddy**, Associate Professor in CSE (**Not approved**).
- 3) Applied on AICTE Training and Learning (ATAL) FDP (Advanced) on “Hybrid Deep Learning Based Model to identifying and naming activities based on Human Activity Recognition” from 09/10/2023 to 14/10/2023. The proposed FDP, if approved, will be coordinated by **Dr. P. Dileep Kumar Reddy**, Associate Professor in CSE (**Not approved**).
- 4) "Science Technology and Innovation Hub for Development of Scheduled Caste Community in An Artificial Intelligence enabled low Cost mechanized manufacturing of leather products in Ponnaram Mandamarri Mandal Block, Adilabad District, Telangana State" Temporary Registration No. : TPN / 97971, Submission Date: 19-August-2023, Division: SEED, Programme or Scheme : STI Hub for SC Community Total Amount in **Rs. 9423079/-**. By **Dr Veeraswamy Gollamudi, Dr. P. Dileep Kumar Reddy (Not Approved)**.

- 5) “Science Fair for Creating Awareness Among Rural Communities of Telangana”,
 Division :NCSTC Programme or Scheme : Temporary Registration No. : TPN /
 96035 TRADITIONAL AND NOVEL MODES OFHANDS ON STEMM
 DEMONSTRATIONS SCIENCE MEDIA AND SCIENTIFIC LITERACY.
 Submission Date :15/07/2023, /-(Not approved). **Dr. Shoban Mude,** **Dr.**
K Purushotham Prasad

**MSME IDEA HACKATHON 3.0 (Women) Proposals Submitted by Students AY:
 2023-2024**

S.No	Name of the students & Roll Numbers	Department	Idea of the Sector	Title of the Proposal	Reference ID	Status
1	D. Sowmya 21X01A0580 M.Sowmya 21X01A05A2 P.Abinaya Roll:-21X01A05B4 N.Tejaswi Roll:-21X01A05A9 P.Kashish Roll:-21X01A0596	CSE	Miscellaneous Sector (Environment, Forests, Water & Sanitation; Foods, Beverages, FMCG, Consume Goods, Telecommunication; Metals, Engineering, Machinery, Automation and Transportation	WASTE PLASTICS INTO FUEL CONVERSION	INC23CTS024947	Submitted
2	S.Siri Chandana- 21X01A05I8 M.Seetha-21X01A05G7 B.Harshitha- 21X01A0505 Hemalatha- 22X01A0511	CSE	Healthcare & Life sciences, Medical Devices, Pharmaceuticals, Biotech, AYUSH and any related sub-sector	SMART INHALER FOR ASTAMA MANAGEMENT	INC23CTS025643	Submitted
3	Y.Ramya 21X01A05D3 K.kavvasri 21X01A0595 K.Chandana 21X01A0595 K.haripriya 21X01A059	CSE	Miscellaneous Sector (Environment, Forests, Water & Sanitation; Foods, Beverages, FMCG, Consumer Goods; Infrastructure, Construction, Housing; IT, ITES, Electronics, White Goods, Telecommunication; Metals, Engineering, Machinery, Automation and Transportation, Automotive, E Vehicles, Railways, Aviation, UAV and any other sub-sector)	SMART GARBAGE SUSTENTATION SYSTEM	INC23CTS025536	Submitted
4.	Varsha -21X01A6608 Gundreddy Samyutha- 21X01A6626 Shruthi rao- 21X01A6616 Manju sree- 21X01A6633	CSE- AI ML	Healthcare & Life sciences, Medical Devices, Pharmaceuticals, Biotech, AYUSH and any related sub-sector	MIND OVER APPLIANCES	INC23CTS025829	Submitted
5	Kurra Asritha 21X01A05G2 Mamidipally Ashwitha 21X01A05A0 M.Rudraksha 21X01A05H1 Ruchitha 21X01A0540	CSE	Miscellaneous Sector (Environment, Forests, Water & Sanitation; Foods, Beverages, FMCG, Consumer Goods; Infrastructure, Construction, Housing; IT, ITES, Electronics, White Goods, Telecommunication; Metals, Engineering, Machinery, Automation and Transportation, Automotive, E Vehicles, Railways, Aviation, UAV and any other sub-sector)	INTELLIGENT RANGE ESTIMATOR CRASH DETECTOR	INC23CTS026259	Submitted
6.	S.Vyshnavi (5C0) B.Harini(574) A.Akshitha(568) S.Sruthi(554) K.Nandini(22x05a0508) G.LaxmiPrasanna(582)	CSE	Miscellaneous Sector (Environment, Forests, Water & Sanitation; Foods, Beverages, FMCG, Consumer Goods; Infrastructure, Construction, Housing; IT, ITES, Electronics, White Goods, Telecommunication; Metals, Engineering, Machinery, Automation and Transportation, Automotive, E Vehicles, Railways, Aviation, UAV and any other sub-sector)	Smart Parking App	INC23CTS026790	Submitted

				No				
1	Dr.Nidamanuru Srinivasa Rao	An Approach of Stipulation Change Management Using Cloud Computing	International Journal on Recent and Innovation Trends in Computing and Communication, Auricle Global Society of Education and Research	ISSN: 2321-8169 Volume: 11 Issue: 8s, Pg.No: 232-235	July 2023	0.8	https://ijritcc.org/index.php/ijritcc/article/view/7194/6119 DOI: https://doi.org/10.17762/ijritcc.v11i8s.7194	Scopus
2.	Dr.Nidamanuru Srinivasa Rao	Health Informatics And Social Determinants Utilizing Big Data To Address Health Disparities	Journal of Namibian Studies, Otjivanda Presse	35 S1 (2023),: 2398-2414 ISSN: 2197-5523 (online	Aug 10, 2023	0.50	https://namibian-studies.com/index.php/JNS/article/view/3994 https://doi.org/10.59670/jns.v35i.3994	Scopus
3	Ms. Revathy Pulugu M Venu Naveen Kumar A	Prediction Of Air Pollution Using Machine Learning	Turkish Journal of Computer and Mathematics Education	<i>Vol.14 No.03 (2023),630- 635</i> 1309-4653	August 2023	0.148	https://turcomat.org/index.php/turkbilmat/article/view/14101/10152	UGC
4	Ms. Revathy Pulugu M Venu Naveen Kumar A	Machine Learning Based Approaches For Detecting Covid-19 Using Clinical Text Data	Turkish Journal of Computer and Mathematics Education	Vol.14 No.03 (2023),598-603 1309-4653	August 2023	0.148	https://turcomat.org/index.php/turkbilmat/article/view/14094/10148	UGC
5.	Ms. Revathy Pulugu	Ecological Impact Assessment in Business Operations: A Framework Combining Zoological Insights and	Journal of Advanced Zoology, Assoc Advancement Zoology, Azadanagar Colony Rustampur, Gorakhpur,	ISSN: 0253-7214 Volume 44 Issue S-5 Year 2023 Page 2947:2957	29 Nov 2023	0.2	http://jazindia.com/index.php/jaz/article/view/2241/1766	Scopus

		AI Algorithms	India, 273001					
6.	Ms. Revathy Pulugu	Artificial Intelligence -Driven Drug Discovery: Identifying Novel Compounds for Targeted Cancer Therapies	Journal of Advanced Zoology, Assoc Advancement Zoology, Azadanagar Colony Rustampur, Gorakhpur, India, 273001	ISSN: 0253-7214 Volume 44 Issue S-5 Year 2023 Page 3008:3021	29 Nov 2023	0.2	http://jazindia.com/index.php/jaz/article/view/2246/1771	Scopus

**NPTEL Certificates: (2023-2024)
Text Books**

S. No.	Name of the Faculty	Title of the course	Year Month	Course Remarks
1	P. Revathy	Problem Solving Through Programming In C	Jul-Oct 2023	Elite
2	Kudithikunta Anusha	The Joy of Computing Using Python	Jul-Oct 2023	Elite
3	T Krishna Murthy	The Joy of Computing Using Python	Jul-Oct 2023	Elite
4	Dyavarashetty Sunitha	The Joy of Computing Using Python	Jul-Oct 2023	Completed
5	Srilakshmi Cherukuri	The Joy of Computing Using Python	Jul-Oct 2023	Elite
6.	K. Raju	Programming In Java	Jul-Oct 2023	Completed
7.	Dr. Kavitha N	Problem Solving Through Programming In C	Jul-Oct 2023	Elite
8.	Barkathulla A	Introduction to Machine Learning (Tamil)	Jul-Sep 2023	Elite
9.	Dr B Rama Subba Reddy	Accreditation and Outcome Based Learning	Aug-Oct 2023)	Elite

2023-2024

Name of the Faculty	Title of the Book	National / International	Year and month of publication	ISBN	Name of the Publisher
Dr. Venkateswarulu Naik B	Cyber Security	National	July 2023	9789355775344	Charulatha Publishers, India
Dr. Kavitha Nallamothe	Fundamental of Machine Learning: For Beginners	International	October 2023	9789357579186	Scientific International Publishing

					House
K. Anusha, G. Sangeetha, A. Radhika, G. Sunil Kumar	Machine Learning	International	November 2023	9789355779106	Charulatha Publishers, India
Dr. Kavitha Nallamothu	Operating System	International	December 2023	9780618260300	Well Tech International Publishing House
Srilakshmi Cherukuri, Malla Sowmya, Dandu Srinivas, K. Priyanka	Introduction to Artificial Intelligence	International	December 2023	9788196740917	Deccan International Academic Publisher

**Patent:
2023-2024**

S. No.	Name of the inventor	Title of the Patent	Patent Registration Number	Date of filing of Application, Publication Date, The Patent Office Journal No	Status of the Patent
1	Naveen Kumar Aream	Machine Learning And Data Mining Based Approaches For Crime Prediction And Prevention	202341036798 A	Date of filing of Application :27/05/2023 Publication Date : 18/08/2023 The Patent Office Journal No. 33/2023 Dated 18/08/2023	Published
2	Kavitha Nallamothu	Method For Privacy-Preserving Data Analysis With Additive Homomorphic Public-Key Cryptosystem	202342070 275 A	Date of filing of Application :16/10/2023 Publication Date : 24/11/2023 The Patent Office Journal No. 47/2023 Dated 24/11/2023	Published
3	Kandukuri Seshagiri Rao	Implementation of Deep Learning Based Techniques For Analysis Of The Role Of Travel, Tourism And Hospitality In Economical Growth Of An Organization	202341034310 A	Date of filing of Application :16/05/2023 Publication Date : 18/08/2023 The Patent Office Journal No. 33/2023 Dated 18/08/2023	Published
4	Kandukuri Seshagiri Rao	Artificial Intelligence-Based Maintenance Of Electric Vehicle Battery Charging Systems	202341035634 A	Date of filing of Application :23/05/2023 Publication Date : 01/09/2023 The Patent Office Journal	Published

				No. 35/2023 Dated 01/09/2023	
5	Dr. P.Venkat Rao	ELEVATING NANOSTRUCTURED CDS THIN FILMS: ADVANCES IN PHYSICAL AND PHOTOELECTROCHEMICAL FEATURES FOR OPTOELECTRONIC INNOVATION	202441004198 A	Date of filing of Application :20/01/2024 Publication Date : 09/02/2024 The Patent Office Journal No. 06/2024 Dated 09/02/2024	Pub lish ed
6	Dr. R Lokanadham	STUDY AND ANALYSIS FOR DEVELOPMENT OF SUSTAINABLE MATERIALS FOR CONSTRUCTION OF GREEN BUILDINGS USING AGRICULTURAL RESIDUES	202341047868 A	Date of filing of Application : 16/07/2023 Publication Date : 01/09/2023 The Patent Office Journal No. 35/2023 Dated 01/09/2023	Pub lish ed

Sports & Games:

NRCM is at home with excellent games, sports and fitness facility that include many outdoor / indoor playgrounds. A 2-acre plot with a 100 m athletic track, and separate courts for Cricket, Volley Ball, and Basket Ball are installed to maximize student interest and excitement. It has all facilities needed to prepare sports persons to participate in high-level competition. The students of our college have set up an impressive and consistent record to come together and compete in the University, State and College & International level tournaments & have won many laurels.

The spirit of social service

- NRCM, has established NSS at institute level.
- Provides insights into global issues.
- Actively participate in community development projects with A-Cube as its prime.

Future Programs:

We Travel an extra mile to interact with the industry through Seminars, Guest Lectures, Conferences, Corporate Meets etc. Collaborate with industry for more live projects, Research work, Workshop or any academic alliance, Industrial visit with many industrial organizations. To ladder placement ratio with alumni interaction. To ladder placement ratio with alumni interaction Our placement rate reflects NRCM exemplary academic programs and the commitment of the faculty and the staff who tirelessly provide a top notch level of service to the students.

In the nut shell the core values and strengths of NRCM are

- Good Infrastructure
- State of the art laboratories & R&D
- Voluminous Library with abundant Titles, Volumes, Journals, Digital Library
- Placement training from first year onwards
- More emphasis on developing communication skills and soft skills
- conduction of various events like guest lectures by eminent academicians, industry experts, workshops, conferences, symposiums etc.,

- For all round development we also encourage and facilitate the students to take active part in extracurricular activities like sports meet, cultural fests which render organizing skills, leadership qualities which bring out inherent talents of students.
During the Academic Year 2023-24, 81% of eligible students got placed in various reputed MNCs.

We, IIC a NRCM dedicated to develop Start Up & Entrepreneurship eco system in and around college premises.

Contact Details:

NARSIMHA REDDY ENGINEERING COLLEGE

UGC Autonomous Institution

**Maisammaguda (V), Dhulapally Post,
Near Kompally, Medchal (M), R. R. Dist,
Secunderabad, Telangana - 500 100.**

Landline:040-29705454

Fax:040-29705454

E-mail: principal@nrcmec.org

Web: www.nrcmec.org