

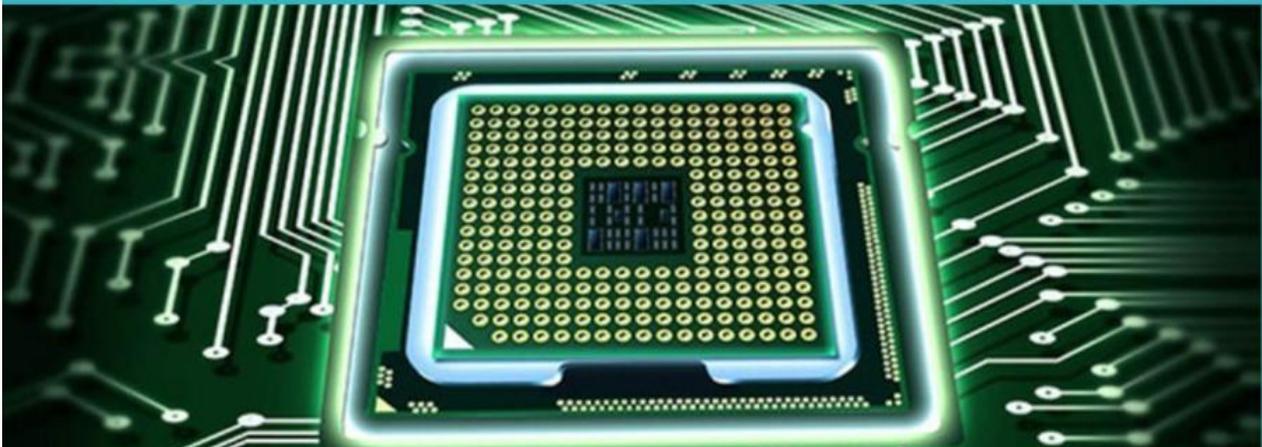


**CMR TECHNICAL CAMPUS**

**Department of Electronics and Communication Engineering**

# INSIGHT 2022

-Annual Magazine  
2022 Edition





**CMR TECHNICAL CAMPUS**

ESTD: 2009

**UGC AUTONOMOUS**

**Accredited by NBA & NAAC with 'A' Grade**



**Approved by AICTE, New Delhi and JNTU Hyderabad**

# **Department of Electronics and Communication Engineering**

## **Annual Magazine(2022-2023)**



**Chief Editor :Prof.G.Srikanth**

**Magazine Editor :Dr.Suraya mubeen**

**Student Coordinators: Sathiwka,Manohar,Rajesh**

## Message from Chairman's Desk



### Shri C.Gopal Reddy Chairman

It is rightly said by our Bharat Ratna, Dr. APJ Abdul Kalam “Dream is not that which you see while sleeping, it is something that does not let you sleep.” Yes!!! Indeed, it was my dream, goal and ambition, to establish a Knowledge Center, a Temple of learning, i.e., “CMR Group of Institutions”, which can be witnessed today on sprawling area of 70 acres on Medchal Road, Hyderabad. Currently under CMR Group of Institutions, which was established in the year 2002, have 04 Engineering Colleges and 01 Pharmacy College with over 16000 students studying in various streams of Engineering, Management and Pharmacy. The thirst for Excellence & Service has never subdued among us, thus we wish to make deeper inroads in the field of education by venturing into university, named “CMR Global University”, which will be seeing the light of day soon.

As it is said, Rome is not built in a day; CMR is also not built in a day. 20 years of dedication, commitment and hard work has resulted in CMR Group of Institutions. One of the strengths of CMRGI is its strong Alumni. Till date, CMRGI has successfully produced over 18000 Engineers and 4500 Managers and 1200 Pharmacists. As the Tagline of the Group goes, “Think Placements, Think CMR”, we have been the pioneers in training and placing the students in many reputed companies with good packages. I feel proud to see my students’ donning prominent roles in many of the reputed companies.

## Message from Secretary's Desk



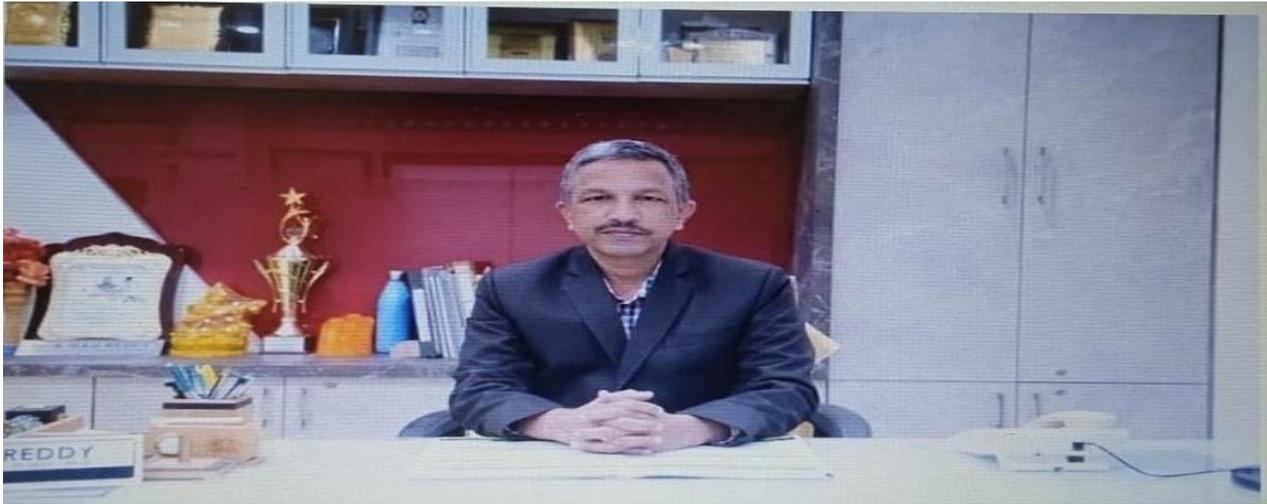
**Smt. C. Vasantha Latha**  
**Secretary**

As narrated by Swami Vivekananda, “We want the education by which character is formed, the strength of mind is increased, the intellect is expanded, and by which one can stand on one’s own feet”, we at CMR Technical Campus, believe quality education has the power to transform not only individuals but societies and the nation in large.

Our endeavor at CMRTC is to provide the right blend of education and all such necessary components which make students stay in the campus fruitful. The existence of various associations and Clubs, Departmental Associations, Professional Chapters in the campus ensure all-round development which an individual requires. Being in the field of Education for more than a decade, I strongly feel, Education is the key for women to achieve economic independence. CMRTC strongly supports women’s education and all such measures for their safety are taken care by our well functional Women Empowerment Cell of the institute.

I extend a warm welcome to Engineering and Management aspirants to join CMR Technical Campus.

## Director



**Dr. A. Raji Reddy Director**

Dr. A. Raji Reddy, is a 1990 Batch Mechanical Engineer from Nagpur University. He obtained his Masters' Degree from Regional Engineering College [NIT] Warangal in the year 1992 and Doctoral degree from Osmania University in Mechanical Engineering with Solar Energy as specialization in the year 2008.

In his 28 years of service, he has served in various capacities of administration, research, and academic roles. He even has two years of Industrial experiences in M/s. Ashok Ley Land Ltd., (Ductron Casting Unit), Uppal, Hyderabad. Currently he has 10 Patents filed on his name and is Investigator of 03 Research Projects to the tune of Rs. 90 Lakh as Grant from Govt. of India. He has successfully guided 10 M. Tech Projects and is currently guiding 03 Research Scholars for their Ph.D. His research areas include solar thermal applications, Biomass conversion technologies, Solar cooking and Heat transfer. There are over 40 Research Articles to his credit in peer reviewed & reputed Journals & Conferences. He is reviewer of few Elsevier published Journals.

## Head of the Department



### **G.Srikanth,Professor &HOD-ECE**

G. Srikanth, having 20 years of Teaching and research experience. His area of Specialization is VLSI & Embedded Systems. He has 16 International and national Journals to his credit. Life time member of IETE, ISTE and Member of IEEE. Currently He is working on 2 projects Funded by Department of Science & Technology. He worked as convener for several Faculty Development Programs conducted by the department in association with premier institutes like IITs & NITS and worked as convener for several Conferences. He also has 2 patents filled in his account.

Under his guidance department Centre's are executing various Activities like proposal writing for different funding agencies, research publication, Execution of students' academic project in the Centre's, conducting incubation & innovation activates and organizing Faculty Development Programmes and conferences.



## **Department of Electronics and Communication Engineering**

**Vision:** The Department of Electronics and Communication Engineering endeavors to become a centre of academic excellence and research.

**Mission:**

- To provide the students with the state of art technologies to meet the growing challenges of the industry and society.
- To promote research and consultancy through constant interaction with the outside world.
- To inculcate self-learning abilities team spirit, and professional ethics among the students to serve the society

### **Program Educational Objectives (PEOs)**

**PEO1:** Graduates will be able to Progress in professional career and higher education in Electronics and Communication Engineering and allied fields.

**PEO2:** Graduates will solve real life problems of Electronics and Communication Engineering and allied fields resulting in significant societal benefit.

**PEO3:** Graduates will demonstrate self learning skills, team spirit and professional ethics for beneficial development of the society.

### **Program Specific Outcomes (PSOs)**

**PSO1:** Understand and apply core concepts of Electronics and Communication Engineering in allied fields.

**PSO2:** Ability to solve complex Electronics and Communication problems with modern tools and cost-effective solutions.

**PSO3:** Equipped with soft, aptitude and technical skills for effective work in core and IT sectors, individually or in teams.



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## **Department of Electronics and Communication Engineering**

### **Program Outcomes**

- PO1: Engineering knowledge: To apply the knowledge of Mathematics, Science, and Engineering concepts in solving Complex Engineering problems.
- PO2: Problem analysis: Identify, formulate, and solve complex problems to achieve demonstrated conclusions using mathematical principles and engineering sciences.
- PO3: Design/development of solutions: To design solutions for complex engineering problems with appropriate consideration for society.
- PO4: Conduct investigations of complex problems: To use research-based knowledge and research methods including the design of experiments to provide valid conclusions.
- PO5: Modern tool usage: To select and apply appropriate techniques for the design & analysis of systems using modern CAD tools.
- PO6: The engineer and society: Apply the contextual knowledge to assess societal, health, safety, and cultural issues and endure the consequent responsibilities relevant to the professional engineering practice.
- PO7: Environment and sustainability: To understand that the solutions have to be provided taking the environmental issues and sustainability into consideration.
- PO8: Ethics: Develop consciousness of professional, ethical, and social responsibilities as experts in the field of Engineering.
- PO9: Individual and team work: To function effectively either as a member or a leader in multidisciplinary activities.
- PO10: Communication: To communicate effectively to both the peers and the others.
- PO11: Project management and finance: To apply engineering & management principles in their own / team projects in a multidisciplinary environment.
- PO12: Life-long learning: To Realize the need for lifelong learning and engage them to adopt technological change.



ESTD: 2009



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## **Department of Electronics and Communication Engineering**

### **About the Department:**

Department of Electronics and Communication Engineering in CMRTC is popularly known as 'Branch of Consistency'. Consistency in all perspectives. In the current world scenario of Digitalization, Media & Communication, 5G Technologies and many more advancements in technologies related to automation, an ECE Graduate plays an important role in building of Nation through Science & Technology. The skills acquired by the students of ECE has landed them in many reputed companies like Mentor Graphics, L&T metro, DSP, Bosch, TCS, Hyundai, etc.. The experienced faculty are the driving force of the department. The Department offers **M.Tech in Embedded Systems** with an intake of 18.

### **Achievements of the Department are:**

- Department is accredited twice by National Board of Accreditation [NBA], New Delhi.
- 25 Patents filed by the Department till date.
- Over 150 Papers published in reputed Journals.
- Established 03 Research Centres: 1. Centre for VLSI & Embedded System Design Centre for Signal & Image processing 3. Centre for advanced Communication System
- Signed MoUs with more than 15 Companies.
- Won 1<sup>st</sup> prize in Robotics Competition held by IIT Hyderabad, BITs Hyderabad.
- More than 2000 students are facilitated with Internship in companies like HAL, NRSC, BDL, NFC, DRDL, BHEL, ECIL, etc.
- Received funding from government bodies to a tune of 1 crore.
- Industrial Visits to Satellite launch station SreeHarikota, NRSC Shadnagar, Door Darshan Kendra, Ramanthapur, Air force Station, Hakimpet, Hyderabad Radio Station, L&T Metro Signalling and Control station, Nagole and many more places.
- Highest package of 11 lacks in Microsoft.
- Ongoing Consultancy work worth of 16 Lakhs.
- Over 400 students cleared the NPTEL certified Course with Elite Rating.
- Equipment worth 43.5 L from National Instrument laboratory under DST- FIST Scheme
- Established 03 Research Centres: 1. Centres for VLSI & Embedded System Design Centres for Signal & Image processing 3. Centre for advanced Communication System

**Professional Memberships:27**

**List of Faculty members as resource person in STTP/FDP events:11**

**Faculty Attended FDP in Various Organizations:31**

**Faculty Development Programme Organised :02**

**Faculty members obtained certification of MOOC:17**

**Faculty Members involved in Student Innovative Projects:31**

**Faculty Awards / Recognitions / Prizes (if any):**

<b>S. No</b>	<b>Name of Faculty</b>	<b>Description</b>	<b>Year</b>	<b>Agency</b>
1	Dr.Sudha Arvind	Apperication from MIC,AICTE towards carryout I&E Activities at Institution as a Convener	2022	MIC, AICTE
2	Dr.Sudha Arvind	Among Top5 Innovation Ambassadorsin Telangana State, Received Appreciation as selected for presentation at IIC Regional Meet	2022	MIC ,AICTE
3	Dr.Sudha Arvind	As a SPOC towards SIH 2022 ,Best Oustanding Contribution	2022	MIC,AICTE
4	Dr.Sudha Arvind	Best Paper Award in International Conference for the paper “ Li-FI Based Voice Communication”	2022	International Conference on Robotics and Communication Technology
5	Dr.Mahesh V Sonth, Dr.P.Venkata Krishnan, Dr.Sudha Arvind	Certificate of Appreciation in Recognition to the contribution towards Research and Innovation Activities- 15	2022	CMR Technical Campus
6	Dr.Mahesh V Sonth	NPTEL - Python for Data Science - Elite - Silver Medal - Apr	2022	NPTEL

		2022		
7	Dr.K.Bharath Kumar	INSO Award	2022	Young Scientist Award
8	Dr.Suraya Mubeen	I2OR Award	2023	Outstanding Teacher Award
10	Dr.K.Mohana Lakshmi	Awarded PH.D in Image Processing	2022	Acharya Nagarjuna University ,Guntur
11	M.Sravanthi	Lecturership	2022	UGC
12	D.Sreekanth	NET Qualified	2022	NTA, India
13	D.Sreekanth	Innovation Ambassador	2022	MOE,IIC, India
14	S.Mallesh	Research Scholar	2022	Registered PH.D at Anurag University
15	T.Nagarjuna	Research Scholar	2022	Registered PH.D at Andhra University
16	Ravi Chinkera	Awarded PH.D	2022	CSS University
17	G.Srikanth,B.Karuna Sree, Md.Ameenuddin S.Venkatesh	Teachers Day	2022	CMR Technical Campus
18	Dr.Sudha Arvind	Innovator Award	2022	CMR Technical Campus
19	Dr.Mahesh V sonth, Dr.P.Venkata krishnan	Researcher Award	2022	CMR Technical Campus

## Academic Research

S.N.o	Journal/Conference/Book Chapter	2022-23
1	No. of peer reviewed journal papers published	23
2	No. of peer reviewed conference papers published	38
3	No. of books/book chapters published	3
4	Patents	9

## Academic Toppers

Sno.	Hall Ticket No.	Branch	Name of the Student	CGPA
1	197R1A0454	ECE	JALLY BRAHMANI	9.21
2	197R1A0467	ECE	ANUGULAANJALI	8.78
3	197R1A04G1	ECE	MOHAMMAD SAJEED	8.69
4	197R1A0468	ECE	ANKUSH KUMAR SINGH	8.67
5	197R1A0425	ECE	SUNKIREDDY SAHITHI	8.50

**SWAYAM-NPTEL Student Online Course Certifications :04**

**Placements:109**

**Higher Studies:15**

**Students Joined Internship:80**

**Sports Participation:11**

**Participation in Inter-Institute Events by Students of the program of Study:**

S.No	Name of the student	Name of the Event	State/ National/ International Level	Date	Name Of the Award
1	A Praveen Kumar	Hackathon In MLRIT	National	02/12/2022	2 <sup>nd</sup> Prize
2	Bandi Sai Krishna	Hackathon In MLRIT	National	02/12/2022	2 <sup>nd</sup> Prize
3	Bethi Anirudh	Hackathon In MLRIT	National	02/12/2022	2 <sup>nd</sup> Prize

## Events/Activities Conducted by Department of ECE

<b>s.no</b>	<b>Name of the professional societies/ bodies/ chapters/clubs</b>	<b>Name of the event</b>	<b>National/international level</b>	<b>Date of event</b>
1.	IIC	World Environment day	National	05/06/2023
2.	Akriti	Pegasis02k23	National	02/04/2023
3.	Akriti club	Palooza 2k23	National	07/04/2023
4.	ISTE	Guiding the students on career Opportunities	National	21/04/2023
5.	Robotics club	Expo Meister-A project expo	National	02/04/2023
6.	ISTE	Skill development	National	10/03/2023
7.	AECE	Drone Technology	National	17/03/2023
8	ISTE	Prototype and Process development	National	12/02/2023
9.	IIC	Workshop on Entrepreneurship Skills, Attitude and Behavioral Development	National	28/02/2023
10.	AECE&ISTE	Guest lecture on –Career guidance on embedded systems and IOT	National	30/12/2022
11	IIC	Session on “critical thinking for innovations in construction materials”,	National	05/12/2022
12.	Robotics club and Innovation club	Ardubotics-Robotics	National	11/11/2022
13.	Robotics club	AR-BOT	National	14/10/2022
14	IIC	Online awareness program on entrepreneurship and innovation.	National	11/11/2022
15	IIC	My story – motivational session by successful entrepreneur/start-up founder	National	28/11/2022
16	IIC	Innovation in Robotics - Shaping the Future of Our Society	National	09/11/2022
17	IIC	Exposure and field visit for problem identification	National	14/11/2022
18.	IIC	Innovation in Robotics	National	11/09/2022
19.	Innovative club	Higher education opportunities	National	10/08/2022
20	IIC	Session on problem solving and ideation workshop	National	11/07/2022

## Institution's Innovation Council 5.0

Convener:Dr.Sudha Arvind

Coordinators:Dr.K.Mohana Lakshmi ,D.Sreekanth

(1) Conducted IDEATHON-2023 on February 25<sup>th</sup> 2023 for CMR Technical Campus Inter Departmental Students organized by ECE Department in association with Institution's Innovation Council 5.0



The poster for IDEATHON 2023 features logos for CMR Technical Campus, NAAC, Institution's Innovation Council, ARILA, and NBA. The main title is 'CMR TECHNICAL CAMPUS ECE Department in Association with IIC 5.0 Organizes IDEATHON 2023 INNOVATION COMPETITION (Through YUKTI NIR)'. It lists ten themes: Health Care, Agriculture & Rural Development, Smart Vehicles, Food Processing, Robotics & Drones, Waste Management, Clean & Portable Water, Renewable Energy, IoT-based Technology, and ICT, Cyber-Physical Systems, Block Chain, Cognitive Computing, Cloud Computing, AI & ML. Key dates are 15th January 2023 for team registrations and 10th February 2023 for idea submission. A QR code is provided for registration. The poster also lists the Chief Patron, Patron, President IIC, Vice-President IIC, and HOD ECE, along with their contact details. Rules for the competition are listed at the bottom.

**Themes**

1. HEALTH CARE
2. AGRICULTURE & RURAL DEVELOPMENT
3. SMART VEHICLES
4. FOOD PROCESSING
5. ROBOTICS & DRONES
6. WASTE MANAGEMENT
7. CLEAN & PORTABLE WATER
8. RENEWABLE ENERGY
9. IOT BASED TECHNOLOGY
10. ICT, CYBER-PHYSICAL SYSTEMS, BLOCK CHAIN, COGNITIVE COMPUTING, CLOUD COMPUTING, AI & ML

**Prizes:**

- BEST IDEA/INNOVATION/Start up will be Rewarded, at College Level
- Top one's at National Level will be funded by MIC, AICTE

scan the QR code to register

Idea Competition Event Mandated by MOE's Innovation Cell

**last date for team Registrations**  
15 th January 2023

**last Date for Idea Submission**  
10th February 2023

**REGISTER NOW!**

**CHIEF PATRON:**  
Ch. Gopal Reddy, Chairman  
Ch. Vasantha Latha, Secretary  
Ch. Abhinav Reddy, CEO CMRGI

**PATRON:**  
Dr. A. Raji Reddy, Director  
Dr. D T V Dharmajee Rao, Dean Academics

**PRESIDENT IIC - Dr. M. Ahmed Ali Baig**  
**VICE - PRESIDENT IIC - Dr. K. Srujan Raju**

**HOD ECE-Prof.G.srikanth**  
**Convener IIC - Dr. Sudha Arvind**  
**Event Coordinators**  
Dr.K.Mohana lakshmi  
D.Sreekanth  
K.Prasanna kumari  
**Student Co-ordinators:**  
P.Manikanta-8919691730  
R.Mamkar-9396395665  
Jathin - 9959436211  
Shashank - 9100627950

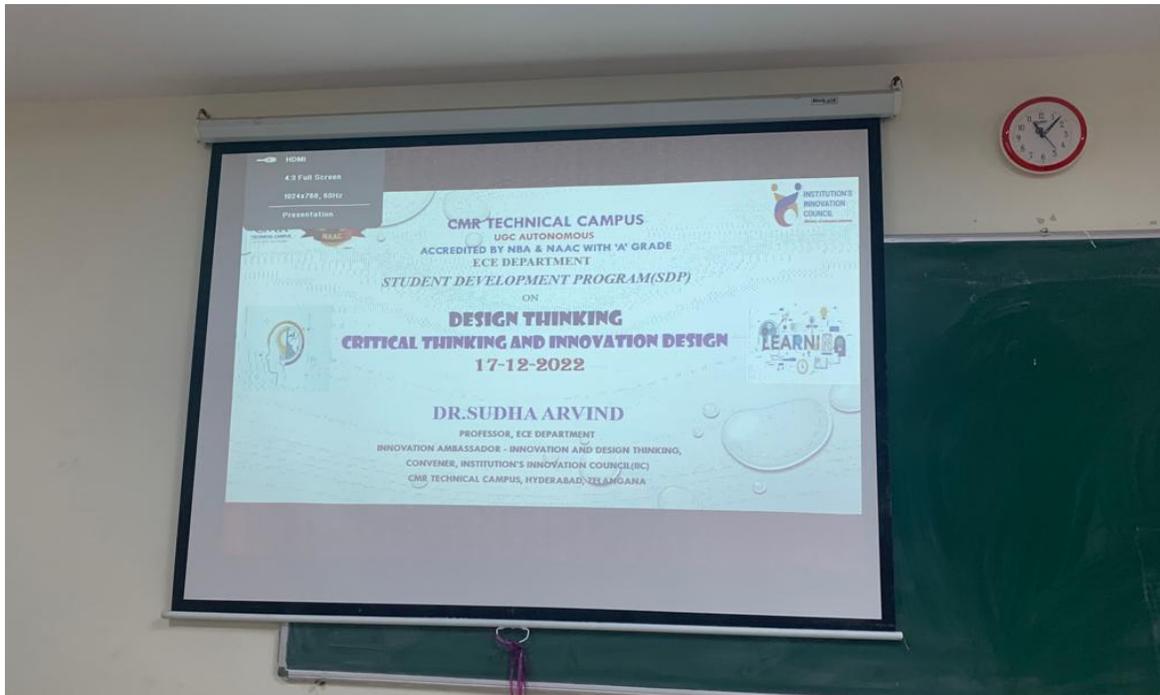
**Health Care**  
**AI**  
**Renewable Energy**  
**Environment**

**RULES**

1. Team Size limit 3 members mandatorily
2. Team leader should submit idea details.
3. E-certification to All participants
4. Team leader should Register team details



**(2) Conducted Workshop on “Design Thinking,Critical thinking and Innovation Design” on 17<sup>th</sup> December 2022 at CMRTC in Offline mode for ECE Students.**



		<p><b>CMR TECHNICAL CAMPUS</b>  <b>UGC Autonomous</b>          Accredited by NBA &amp; NAAC with 'A' Grade          Approved by AICTE, New Delhi and JNTUH, Hyderabad          Kandalkoya, Medchal Road, Hyderabad -501401          Telangana</p>	
<b>ECE Department Organizes</b>			
			
<p><b>Workshop on</b>  <b>“Design Thinking, Critical Thinking and Innovation Design”</b>  <b>17-12-2022 @ 11:30 am</b>          ECE Department Seminar Hall          Under</p>			
			
<p><b>Research Centre for Advanced Communication Systems(RCACs)</b>  <b>Speaker</b>  <b>Dr.Sudha Arvind</b>          RCACS Lead, Convener IIC-CMRTC          Innovation Ambassador-Innovation and Design Thinking          CMR Technical Campus, Hyderabad          In Association with  <b>Institution's Innovation Council (IIC 5.0)</b>          CMR Technical Campus, Hyderabad, Telangana</p>			
<p><i>D.Sreekanth</i>          IIC &amp; RCACS Faculty Member</p>		<p><i>Prof.G.Srikanth</i>          HoD-ECE</p>	
<p><i>Dr.K.Srujan Raju</i>          Vice President, IIC-CMRTC</p>	<p><i>Dr.M.Ahmed Ali Baig</i>          President, IIC-CMRTC</p>		<p><i>Dr.A.Raji Reddy</i>          Director, CMRTC</p>

(3) Conducted Orientation session on IIC on November 3<sup>rd</sup> 2022 at Offline at CMRTC for First year ECE Students



**CMR**  
TECHNICAL CAMPUS  
EXCELLENCE TO INVENT



**NAAC**  
ACCREDITED

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Kandalkoya, Medchal Road, Hyderabad -501401  
Telangana



**INSTITUTION'S  
INNOVATION  
COUNCIL**  
Primary of Education Institute

## IIC Orientation Session

On  
**03-11-2022**  
@ 3:00 PM, D Block Seminar Hall  
For  
**First Year ECE Students**

Organizing By  
**ECE Department**  
Speaker  
**Dr. Sudha Arvind**  
Convener, IIC  
CMR Technical Campus, Hyderabad

In Association with  
**Institution's Innovation Council (IIC 5.0)**  
CMR Technical Campus, Hyderabad, Telangana

# Orientation

*Dr. K. Srujan Raju*  
Vice President IIC, CMRTC

*Dr. Sudha Arvind*  
Convener, IIC CMRTC

*Dr. M. Ahmed Ali Baig*  
President IIC, CMRTC

*Prof. G. Srikanth*  
HoD - ECE

*Dr. A. Raji Reddy*  
Director-CMRTC



### Function of IIC

- To conduct various Innovation, IPR and entrepreneurship-related act prescribed by MIC in time bound fashion.
- Identify and reward innovations and share success stories.
- Organize periodic workshops/ seminars/ interactions with entrepre investors, professionals and create a mentor pool for student innovators
- Network with peers and national entrepreneurship develop organizations.
- Create an Institution's Innovation portal to highlight innovative pr carried out by institution's faculty and students.
- Organize Hackathons, idea competition, mini-challenges etc. wit involvement of industries.

03-Nov-22 IIC Orientation Session for First Year ECE Students



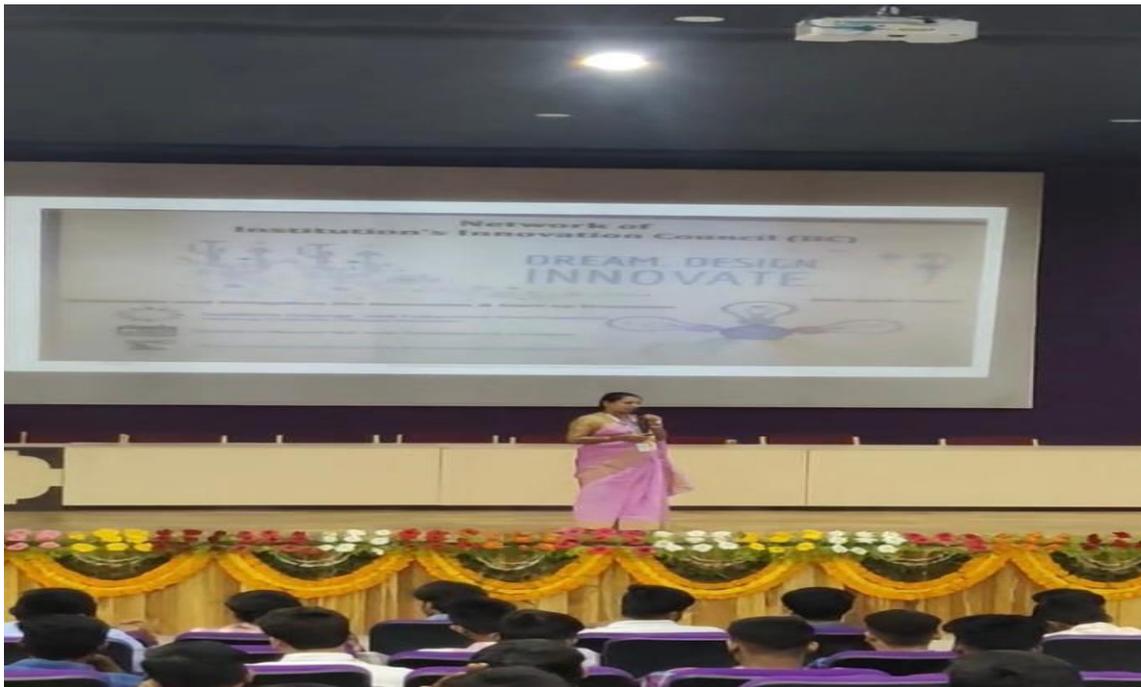
03-Nov-22 IIC Orientation Session for First Year ECE Students

### Major Activities

- Innovation Ambassador
- Impact Lecture Series
- National Innovation Contest
- International Exposure
- Mentor-Mentee Program
- Internal Hackathon
- Workshops, Seminars, SDP's ,Contest rel: e Innovation, IPR, Entrepreneurship, Des

**(4) Conducted Session on “Design Thinking “on November 4<sup>th</sup> 2022Offline at CMRTC for all the branches of Students**

 <p>CMR TECHNICAL CAMPUS EXPLORE TO INVENT</p>	 <p>NAAC ACCREDITED</p>	<p><b>CMR TECHNICAL CAMPUS</b> UGC Autonomous Accredited by NBA &amp; NAAC with 'A' Grade Approved by AICTE, New Delhi and JNTUH, Hyderabad Kandalkoya, Medchal Road, Hyderabad-501401 Telangana</p>	 <p>INSTITUTION'S INNOVATION COUNCIL</p>
 <p>DESIGN THINKING</p>			
<p><b>Student Development Program(SDP)</b> On <b>“Design Thinking, Critical Thinking and Innovation Design ”</b> <b>04-11-2022 @ 11:00 am</b> ECE Department Seminar Hall</p> <p><b>Organizing By</b> <b>ECE Department</b> <b>Speaker</b> <b>Dr.Sudha Arvind</b> Convener,IIC Innovation Ambassador-Innovation and Design Thinking CMR Technical Campus, Hyderabad</p> <p><b>In Association with</b> <b>Institution's Innovation Council (IIC 5.0)</b> CMR Technical Campus, Hyderabad, Telangana</p>			
<p><i>Dr.Sudha Arvind</i> Convener IIC, CMRTC</p> <p><i>Dr.K.Srujan Raju</i> Vice President IIC, CMRTC</p>		<p><i>Prof.G.Srikanth</i> HoD – ECE</p> <p><i>Dr.M.Ahmed Ali Baig</i> President IIC, CMRTC</p> <p><i>Dr.A.Raji Reddy</i> Director-CMRTC</p>	





(5) Conducted Workshop on "Problem Solving and Ideation" on 26<sup>th</sup> November 2022 Online for Mentee Institution Vaaageswari College of Engineering.



**VAAGESWARI COLLEGE  
OF ENGINEERING**



**INSTITUTION'S  
INNOVATION  
COUNCIL**

Ministry of Education Innovation

**Institution's Innovation Council**

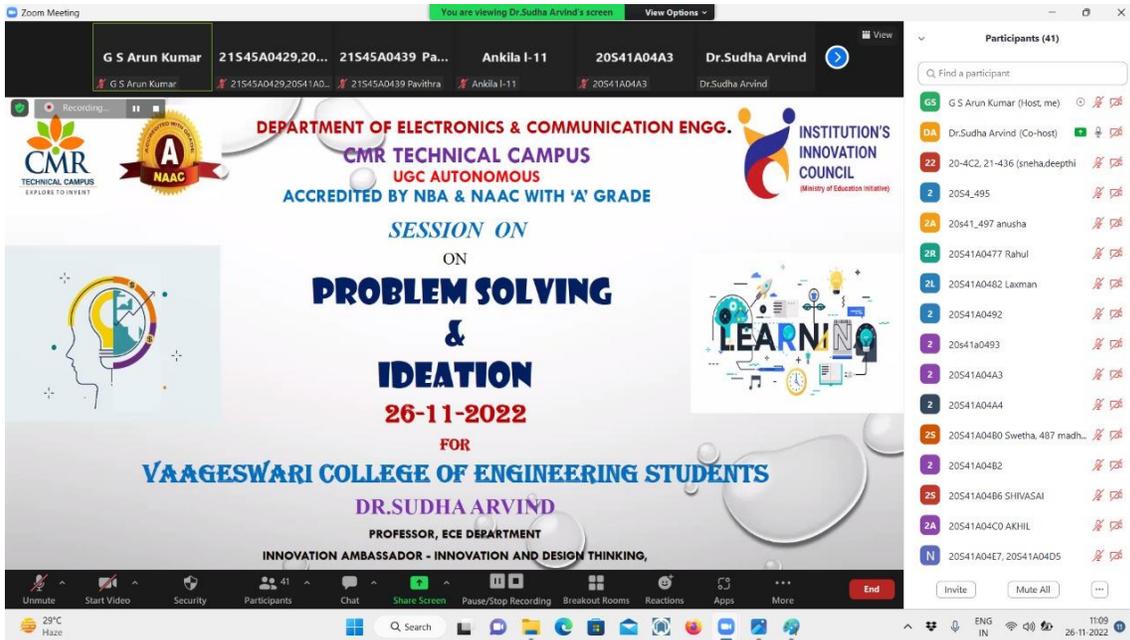
**Organizes a Workshop  
on**

**"PROBLEM SOLVING  
AND IDEATION"**



**DATE & TIME**  
**26th November 2022**  
**11 AM**

*Speaker:*  
*Dr. Sudha Arvind,*  
*Convenor IIC,*  
*CMR Technical Campus, Hyderabad*



(6) Conducted SIH 2022 Internal Hackathon as a SPOC, CMRTC on March 19<sup>th</sup> 2022 CMR Technical Campus, Internal Hackathon governed by MIC, AICTE towards SIH 2022 Technovanza 2.0, Internal Hackathon 2022 for Smart India Hackathon 2022 was conducted on 19th March 2022, organized by Institution's Innovation Council 4.0 (IIC 4.0). Students from various departments of CMR Technical Campus has participated in the number of 270 with 45 teams each comprising of 6 members, 35 Faculty Advisors, 50 Idea Submissions for the Hardware and Software problem statements given in SIH Portal.





(7) Awareness program on Rocket Science by ISRO Speaker on 16<sup>th</sup> June 2022 for ECE Students in Offline mode






## CMR TECHNICAL CAMPUS

**UGC AUTONOMOUS**  
Kandlakoya, Medchal Road, Hyderabad,  
Telangana 501401

### ECE Department

Organizing SDP towards

AWARENESS PROGRAM ON ROCKET  
SCIENCE- DESIGN THINKING FOR ROCKET  
SCIENCE AND IT'S INNOVATIONS

under RCACS in association with  
Institution's Innovation Council (IIC 4.0)



**Speaker:**  
**YALLA SHIVA PRASAD**  
Former Scientist,  
Vikram Sarabhai Space Centre (VSSC)  
Indian Space Research Organization (ISRO)  
Department of Space (DOS), Government of India  
Thiruvananthapuram



Registration Link:  
<https://forms.gle/P5A2mkVC2PCKo6PF6>

**Faculty Co-ordinators**  
**Dr. K. Mohana Lakshmi**  
**D. Sreekanth**

**Free Registration with**  
**Certificate of Participation**

**16th June 2022**  
**10:00 am**

**Prof. G. Srikanth**  
HoD-ECE Department  
CMRTC

**Dr. K. Srujan Raju**  
Vice President, IIC  
CMRTC

**Dr. M. Ahmed Ali Baig**  
President, IIC  
CMRTC

**Dr. A. Raji Reddy**  
Director  
CMRTC



**(8) E-Poster Competition on “India’s Efforts for Fostering Innovation” From 10<sup>th</sup> August 2022 to 14<sup>th</sup> August 2022 for CMRTC Students in Online mode**



## Innovative Club Event:

Coordinator: **A.Vamsidhar Reddy**

**Higher Education Careers and Opportunities Event held on August 10, 2022**

Name of the Event: Higher Education Careers and Opportunities

Number of persons attended: 64

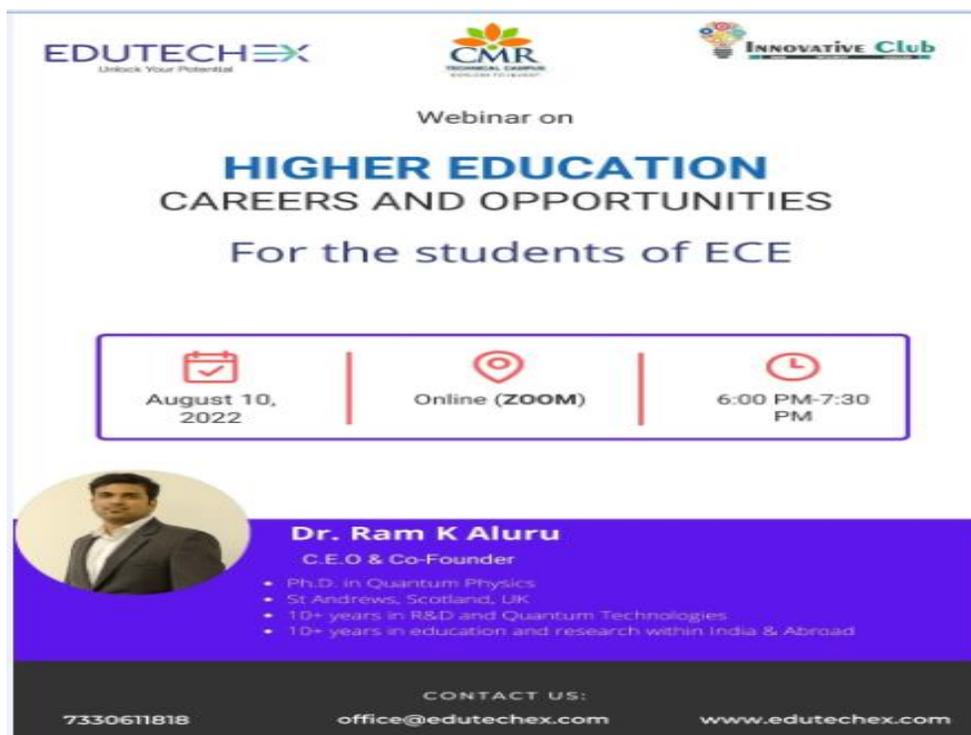
Speaker Name: Dr Ram K Aluru, CEO and Co- Founder, EdutechEX

Organized Club: Innovative club, CMR Technical Campus

Google meet ID: [https://us02web.zoom.us/meeting/register/tZ0uc-2tpjIpE9FdruULxZuONNhiO\\_Jd3ttS](https://us02web.zoom.us/meeting/register/tZ0uc-2tpjIpE9FdruULxZuONNhiO_Jd3ttS)

The event " Higher Education Careers and Opportunities " organised by Innovative club CMR Technical Campus conducted in virtual mode on 10<sup>th</sup> August 2022 in the presence of Director Dr A.Rajireddy ,Head of Department(ECE),Prof. G.Srikanth and teaching staff across all branches. The event was led and executed successfully under the guidance of Assistant Prof. A.Vamshidhar Reddy. This event organised with the objective to provide Higher Education careers and Opportunities for the students to study in abroad. The event was successful enough to attended by more than a 60 students.

The team of Innovative Club feels proud to organize such a successful event convey thanks to Director and management for their timely advice.



The poster features logos for EDUTECHEX (Unlock Your Potential), CMR TECHNICAL CAMPUS, and INNOVATIVE Club. The main text reads: "Webinar on HIGHER EDUCATION CAREERS AND OPPORTUNITIES For the students of ECE". A central box contains three icons: a calendar for "August 10, 2022", a location pin for "Online (ZOOM)", and a clock for "6:00 PM-7:30 PM". At the bottom, a circular portrait of Dr. Ram K Aluru is shown next to his name and title "C.E.O & Co-Founder". Below this, a list of his qualifications and experience is provided: "• Ph.D. in Quantum Physics", "• St Andrews, Scotland, UK", "• 10+ years in R&D and Quantum Technologies", and "• 10+ years in education and research within India & Abroad". The footer includes contact information: "7330611818", "office@edutechex.com", and "www.edutechex.com".

## **Industrial Visit By Third Year Students on 23.03.2023 at NRSC Jeedimetla**

### **NATIONAL REMOTE SENSING CENTRE(NRSC), JEEDIMETLA CAMPUS VISIT:**

**Faculty Coordinator: Mr. S. Mallesh, Assistant Professor.**

**Faculty Participants:Dr.Mahesh V Sonth ,Dr.K.Mohana Lakshmi,SK.Dilshad,Md.Ameenuddin**

With the intention to give real time industry experience to the students on 22<sup>nd</sup> February 2023 requested NRSC, Jeedimetla Campus for a industrial visit. NRSC Approved our request and confirmed the date of visit is 23.03.2023. In addition to the permission NRSC also given chance to our five students to give their presentations on the occasion of Azadi Ka Amrit Mahotsav which is being organized by on the same day of our visit. i.e. 23.03.2023.

We, 69 IIIYear students and 5 faculty members started from CMR Technical Campus at 9.40am and reached NRSC Jeedimetla campus by 1.10pm. We got great welcome by the staff of NRSC and also displayed their wishes on the TV screen which is kept at the entrance.



NRSC Scientists explained about the origin of satellites, types and its



applications of various satellites. After their talks, given chance to our students presentations. Five students presented their presentations in which they have given prizes to 3 students and NRSC caps to remaining two students.



Later they guided us for the exhibition. Scientists shown, explained about various satellite images, payloads, dummy satellites and some parts of equipment used in the launching.



Finally NRSC team gave us hard and soft copies of our group photos and as a token of respect we also presented our college mementos and shawls to the NRSC scientists. Our students took some photographs inside and outside the campus, students got some real time experience during exhibition and expressed their happiness towards the trip. At 2pm we started from NRSC and reached CMRTC by 2.40pm concluded the visit.

**Third year A Section student Karthik(207R1A0459) got second prize in Narcotic Drugs Essay writing Competition held at JNTU Hyderabad**



## Association Events

## SKILL DEVELOPMENT

### Objective of the Program

- The Program focuses on making Students aware of Communication Skills and Soft Skills.





## Drone Technology:

 **CMR TECHNICAL CAMPUS**  
UGC AUTONOMOUS  
ACCREDITED BY NBA & NAAC WITH 'A' GRADE APPROVED BY  
AICTE, NEW DELHI AND JNTUH

 **NIRF** NATIONAL  
INSTITUTION  
RANKING  
FRAMEWORK

**DEPARTMENT OF ECE**

ASSOCIATION SESSION ON  
**DRONE TECHNOLOGY**

*Presenting by*  
**VENKAT JAVVADI**  
FOUNDER AND CEO OF  
NGAGE TECHNOVATIONS

 **17 MAR 2023**  
 **02:00 - 04:00 PM**

**VENUE:**  
**A.P.J.ABDUL KALAM  
SEMINAR HALL**

**B.KARUNA SREE**  
CO-ORDINATOR, ECE  
CMRTC

**PROF.G.SRIKANTH**  
HOD OF ECE DEPARTMENT  
CMRTC

**DR.A.RAJI REDDY**  
DIRECTOR  
CMRTC



**Awards/Medals for outstanding performance in sports activities at university/state/national / international level**

Name of The Student	Roll Number	Year	Name of the award/ medal	Team / Individual	University/State/National/ International	Sports
J.Vijay kumar	217r1a0426	2022	Winnner	Team	State	Volley Ball
Junaid	217r1a0429	2022	Winner	Team	National	KHO-KHO
S.V.Narasimha Rao	217r1a0455	2022	Winner	Team	National	KHO-KHO
D.Naveen	207R1A0479	2023	Award	individual	local	Cultural
R.Meghana	207R1A04A8	2022	Award	Team	Local	Cultural
T.Avanthi	207R1A04		Award	individ		Cultural

	B3			ual	Local	
R.Meghana	207R1A04 A8	2022	Award	individ ual	Local	Cultural
L.Vijaya Lakshmi	207R1A04 93	2022	Award	Team	Local	Cultural
T.Avanthi	207R1A04 B3		Award	individ ual	JNTU Hyderabad	cultural
G. Vijaysagar	207R1A04 16	2022	Award	Team	University	KHO-KHO
S. Prashanth	207R1A04 52	2022	Award	Team	University	KHO-KHO
K.RUTHIKA KANDULA	217R1A04J 4	2022	AIVSC- IGC	INDIVI DUAL	NATIONAL	NCC
E.RAJINIKAN TH	217R1A04 E4	2022	FIRST AT SPORTS BOUT - 9.0	TEAM	NATIONAL	KHO-KHO





**Awards/Medals for outstanding performance in cultural activities at university/state/national / international level**

<b>Name of The Student</b>	<b>Roll Number</b>	<b>Year</b>	<b>Name of the award/ medal</b>	<b>Team / Individual</b>	<b>University/State/National/ International</b>	<b>Cultural/ Literary</b>
Ch.Akhil	217r1a0408	2022	Certificate of excellence	Team	local	Literary
Ch.Kavya	217r1a0412	2022	Certification of appreciation	Team	local	Literary
G.karthikeya Reddy	217r1a0419	2022	Certification of appreciation	Team	local	Literary
G.karthikeya Reddy	217r1a0419	2022	certificate	Individual	local	Cultural
G.Deepika	217r1a0420	2022	Certificate of appreciation	Team	local	Literary
G.Deepika	217r1a0420	2022	Certificate of volunteering	Individual	local	Cultural
G.Manikanta Vardhan reddy	217r1a0424	2022	Certificate of excellence	Team	local	Literary
K.Vedhamukhi	217r1a0431	2022	Certificate of apprenticeship	Team	local	Literary
P.Ajay	217r1a0441	2022	Certificate of excellence	Team	local	Literary

P.Tejaswini	217r1a0442	2022	Certificate of participation	Team	local	Literary
P.Tejaswini	217r1a0442	2022	Certificate of volunteering	Individual	local	Cultural
K. Megha	187R1A0493	2022	Award	Individual	college	Cultural
V. Bhanu	207R1A0458	2022	Award	Individual	CMRTC	Cultural
S. Nikitha	207R1A0453	2022	Award	Individual		Cultural
T. Shravani	207R1A0455	2022	Award	Individual	CMRTC	Cultural
K. Deepika	217R5A0404	2022	Award	Individual	CMRTC	Cultural
P. Mounav	207R1A0445	2022	Award	Individual	CMRTC	Cultural
K. Krishna teja	207R1A0427	2022	Award	Individual	CMRTC	CMRTC