



DEPARTMENT OF CSE

NEWS LETTER-2022

CMR TECHNICAL CAMPUS
UGC AUTONOMOUS
Kandlakoya(v),Medchal Road,Hyderabad-501401
Permanently Affiliated to JNUH, Accrediated by NBA
Approved by AICTE,New Delhi,NAAC-A,Nirf

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

About the Department

Computer Science and Engineering is one of the top performing departments of the Institute and the most sought over branch by the students. This program is designed to provide students with the fundamentals of computer science, both hardware, and software, and the application of Engineering concepts, Techniques, and Methods to both computer systems Engineering and Software system design. Computer science and engineering students will learn about basic engineering techniques, which include Engineering Mathematics, Physics, Chemistry, and Engineering drawing during First Year. From the second year onward, they are exposed to core computer science subjects like programming, data structures, Digital logic, Theoretical computer science, Algorithms, Computer networks, Operating systems, Web technologies, Databases and Computer Architecture are few to mention.

The department proudly boasts the presence of its Alumni in many reputed Companies like SAP, WIPRO, INFOSYS, etc. with package varying from 8 to 15 Lakhs per Annum. Not only Alumni, the current students have also let the head of Department high by wining many competitions across the country like Hackathons, Codethons, Poster presentations, Paper presentations and many more. The department has even mentored the students to the stage of 'APP Developers' through 'Patent filers.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Shri C.Gopal Reddy

B.E (ECE), Manipal Institute of Technology
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 strength 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.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



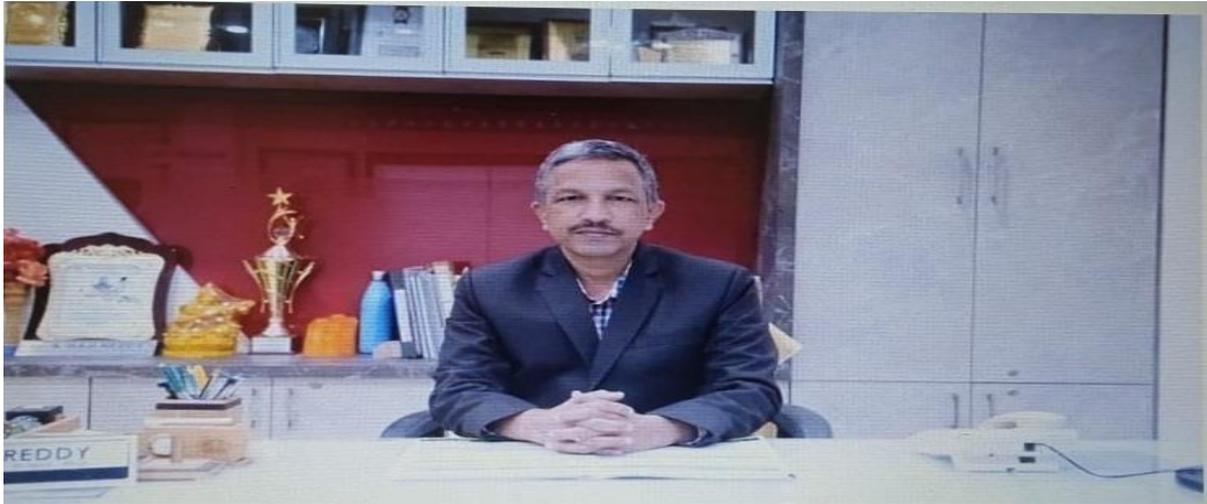
Smt. C. Vasantha Latha
Secretary

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.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Dr. A. Raji Reddy

Professor & 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 **27 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.

Recognitions and awards have been part of his career, which highlights the dedication and commitment he has laid down in fulfilling the responsibilities assigned to him. He is entitled as life member of Indian Society for Technical Education, Solar Energy Society of India and International Solar Energy Society of India. It was indeed an avenue to receive an **award from Deputy Chief Minister of Telangana** for effective leadership qualities in 2018. Received **Acharya Ratna Award** from Indian Servers in the year 2019.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Dr. M. Ahmed Ali Baig

Professor & Dean Academics

Dr. M. Ahmed Ali Baig has obtained **Bachelor of Engineering [B.E] in Mechanical Engineering** and Master of Technology [**M. Tech] in Energy Systems Engineering**, from B.V.B College of Engineering & Technology, Visvesvaraya Technological University (VTU), Belgaum, Karnataka; **Ph.D.** degree from Jawaharlal Nehru Technological University, Hyderabad [**JNTUH**], in the **year 2014**.

He has published over 100 papers in International/National Journals/Conferences and attended more than 30 Workshops/FDP's in various institutions across the country. He has 12 patents filed to his credit. He is carrying out a research Project as Co-Investigator which is granted by DST, Govt. of India. Dr. Baig is on Editorial/ Reviewer Board for various Journals/Conferences of repute. He received **“Outstanding Contribution in Reviewing”** award from Editors of Applied Thermal Engineering Journal, Elsevier. His research interests include Energy Systems, Fluid Mechanics, Sudden Expansion Flows, Non-Conventional Energy Sources, Heat Transfer through Porous Media and 3D Printing. He is member of Professional/International bodies like ISTE, SSWR, SESI, NSFMP and few others. Mentored a team, which participated consecutively two times in National Convention of **AICTE- Chhatra Vishwakarma Awards** held at AICTE HQ, New Delhi.

Dean (Academics) plays an important role in framing of Academic Regulations, Syllabus, Academic Calendar and effective conduct of class work in coordination with Head of Departments and Department Academic coordinators.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Dr. Ashutosh Saxena Professor & Dean (R & D)

Dr. Ashutosh Saxena is an industry expert and academician with over two decades of experience, 100+ international publications, 30+ filed Patents out of which 26 are US Granted Patents, and a book on PKI: Concept, Design and Deployment (Tata McGraw Hill 2004) to his credit. His research interest is in the areas of Information Security and Privacy. He worked at IUC-DAE facilities at Indore, IDRBT Hyderabad and supervised two PhD Scholars. He served as Adjunct Faculty at NIT Warangal. He Joined Infosys in June 2006 and worked as Principal Research Scientist & AVP, at Infosys Labs, Hyderabad (till Sep. 2016). He is Five times winner of the Infosys Excellence Award. In 2014 he received Award for maximum publishing in CSI-Communication from Computer Society of India. He earned a Master of Science (1990), Master of Technology (1992), and a Doctorate (PhD) in computer science (1999) from DAVV, Indore, and has qualified CSIR-UGC examination. He also received the BOYSCAST Post- Doctoral Fellowship (2001 – 2002) from Ministry of Science and Technology, Government of India, to conduct research at Information Security Research Centre, Queensland University of Technology, Australia. He is Life Member of Computer Society of India, Life Member of Cryptology Research Society of India and Senior Member of IEEE Computer Society.

Dean (R&D) play an active role in framing guidelines for R& D policies like IPR policy, Consultancy policy, Publication Reward policy and their execution. He also guides faculty and students in preparing Project Proposals, Patents, Establishment of Start Ups and Incubation Center. He is assisted by R&D coordinators, one from each department.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Dr. K. Srujan Raju (CSE – HOD)

Professor & Dean of Training and Placement

Dr K Srujan Raju is currently working as Dean Training and Placement and Heading Department of Computer Science & Engineering at CMR Technical Campus. He obtained his Doctorate in Computer Science in the area of Network Security. He has more than **19 years** of experience in academics and research. His research interest areas include Computer Networks, Information Security, Data Mining, Cognitive Radio Networks, and Image Processing. Dr. Srujan Raju worked on 2 projects funded by Government of India under CSRI & NSTMIS has also filed **12 patents. 1 copyright and 1 Patent** granted at **Indian Patent Office**, edited more than 24 books published by Springer Book Proceedings of AISC series, LAIS series and other which are indexed by Scopus also authored books in C Programming & Data Structure. I am immensely delighted to inform everyone CSE department of our college has doing great in all aspects and the results were quite encouraging. We all certainly know that this is the collective effort of all of us. Let all of us be the strong pillars of th is institute in taking it further great heights and make every student come out in flying colors, In future as well as, we shall strive to bring new dawn in the student’s lives. Finally, I thank and congratulate all the stakeholders for achieving success.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

VISION

To provide quality education and a conducive learning environment in Computer Engineering that foster critical thinking, creativity and practical problem-solving skills.

MISSION

M1: To educate the students in fundamental principles of computing and induce the skills needed to solve practical problems.

M2: To provide State-of-the-art computing laboratory facilities to promote industry-institute interaction to enhance student's practical knowledge.

M3: To Inculcate self-learning abilities, team spirit, and professional ethics among the students to serve society.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

PEO1	Excel in professional career and/or higher education by acquiring in depth knowledge in computer-base technologies.
PEO2	Apply design and development principles in the construction of software systems of varying complexity.
PEO3	Practice the profession with ethics and make them responsible citizens to promote Industrial progress growth and societal transformation.

PROGRAM OUTCOMES (PO)

P01	An ability to apply knowledge of Science, Mathematics, Engineering & Computing fundamentals for the solutions of Complex Engineering problems.
P02	An ability to Identify, formulate and analyze complex engineering problems using first principles of mathematics and engineering sciences.
P03	An ability to design solutions to complex process to meet desired needs.
P04	Ability to use research-based knowledge and methods including design of experiments to provide valid conclusions.

PO5	An ability to use appropriate techniques, skills and tools necessary for computing practice.
PO6	Ability to apply reasoning informed by the contextual knowledge to assess social issues & responsibilities relevant to the professional engineering practice.
PO7	Ability to understand the impact of engineering solutions in a global, economic, environmental, and societal context with sustainability.
PO8	An understanding of professional, ethical, Social issues and responsibilities.
PO9	An ability to function as an individual, and as a member or leader in diverse teams and in multidisciplinary settings.
PO10	An ability to communicate effectively on complex engineering activities with in the engineering community.
PO11	Ability to Demonstrate and understanding of the engineering and management principles as a member and leader in a team.
PO12	Ability to engage in independent and lifelong learning in the context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSO)

PSO1	Apply the fundamental knowledge for problem analysis and conduct investigations in computer science engineering for sustainable development.
PSO2	Design and development of solutions by using modern software for the purpose of execution of the projects in the specialized areas.
PSO3	Inculcate effective communication and ethics for lifelong learning with social awareness

Teaching Faculty

The department has qualified and well-experienced faculty with Post Graduate and Doctoral Degree in the field of Computer Science and Engineering. Faculty members are actively involved in research activities in the fields of their specialization. They have published a good number of research papers in International / National Journals and Conferences.

List of Faculties -(2021-22)

S.No	Name of the Faculty	Highest degree	Present Designation
1	Dr.K. Srujan Raju	PhD	Professor
2	Dr. Ashuthosh Saxena	PhD	Professor
3	Dr.B. Laxmaiah	Ph.D	Associate Professor
4	Dr M.Malyadri	Ph.D	Associate Professor
5	Dr. M. Varaprasad Rao	Ph.D	Professor
6	Dr. Raj Kumar Patra	Ph.D	Associate Professor
7	Dr.T.S. Mastan Rao	Ph.D	Associate Professor
8	Dr.Punyaban Patel	Ph.D	Professor
9	Dr.G. Madhukar	Ph.D	Associate Professor
10	Dr.G . Soma Shekar	Ph.D	Associate Professor
11	Dr.Suwarna Gothane	PhD	Associate Professor
12	Dr.K . Maheswari	Ph.D	Associate Professor
13	Dr.A. Prabhu	Ph.D	Associate Professor
14	N. Bhaskar	M.Tech	Assistant Professor
15	Chikati. Madhava Rao	M.Tech	Assistant Professor
16	J. Narasimha Rao	M.Tech	Assistant Professor
17	V. Naresh Kumar	M.Tech	Assistant Professor
18	J. Srividya	M.Tech	Assistant Professor
19	K.Karunakar	M.Tech	Assistant Professor
20	B.P Deepak Kumar	M.Tech	Assistant Professor
21	K. Ranjith Reddy	M.Tech	Assistant Professor
22	A. Kiran kumar	M.Tech	Assistant Professor
23	M. Madhusudhan	M.Tech	Assistant Professor
24	D. Sandhya Rani	M.Tech	Assistant Professor
25	G. Vijay Kumar	M.Tech	Assistant Professor
26	A.Uday Kiran	M.Tech	Assistant Professor
27	Najeema Afrin	M.Tech	Assistant Professor
28	P.Shilpa	M.Tech	Assistant Professor
29	K.Pravallika	M.Tech	Assistant Professor
30	B.Sampath Kumar	M.Tech	Assistant Professor
31	G. Vinesh Shanker	M.Tech	Assistant Professor
32	G. Pavan Kumar	M.Tech	Assistant Professor

33	M. Sunitha	M.Tech	Assistant Professor
34	K. Praveen Kumar	M.Tech	Assistant Professor
35	J. Prasanna Babu	M.Tech	Assistant Professor
36	Gadepaka Latha	M.Tech	Associate Professor
37	G. Kalpana Devi	M.Tech	Assistant Professor
38	J. Swarnalatha	M.Tech	Assistant Professor
39	R Dileep Kumar	M.Tech	Assistant Professor
40	G. Lavanya	M.Tech	Assistant Professor
41	P.Vijay Iranna	M.Tech	Assistant Professor
42	Ch. Rekha	M.Tech	Assistant Professor
43	G. Poornima	M.Tech	Assistant Professor
44	Sanjana S. Nazare	M.Tech	Assistant Professor
45	D. Mounika	M.Tech	Assistant Professor
46	Rakshitha Okila	M.Tech	Assistant Professor
47	B.K Bhagyashree	M.Tech	Assistant Professor
48	Tabeen Fatima	M.Tech	Assistant Professor
49	Sultana Saba	M.Tech	Assistant Professor
50	Raheem Unnisa	M.Tech	Assistant Professor
51	K. Shilpa	M.Tech	Assistant Professor

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACHIVEMENTS OF THE DEPARTMENT

- Department is accredited twice by National Board of Accreditation [NBA], New Delhi.
- Digitally Equipped Class Rooms and State of Art Laboratories.
- Trained and Certified Faculty Members by WIPRO, Virtusa, Servicenow, Zensor, Google etc.
- Star Grade by IIT Bombay Spoken Tutorials, Top 3 performer Award by IIIT Virtual Labs, Google recognized Campus for GCP.
- Filed 23 patents and 1 Copyright Granted under Software
- 200+ Papers published in reputed peer reviewed indexed Journals.
- Established Research Center's cum Center of Excellences in collaboration with industry in Mobile & Web Technologies, Data Analytics, Internet of Things, Cyber Security and Robotic Process Automation.
- MoU's with 20+ Industries and 8 Foreign Universities.
- 1 Crore + Research Grant from Govt of India.
- 20 Lakh + Consultancy from various organizations for Application Development.
- Continuous improvement Faculty Training programs through TTT model, FDPs and STTPs on latest cutting-edge technologies.
- Won first prize in NEURALHACK of VIRTUSA 2020 on JAVA Technology by Venkata Sai Sowmya 2017-21 CSE.
- Team NARCODES participated in Virtual Hackathon – Interacted virtually with our Honorable Prime Minister Sri Narendra Modi. This team is one team among the 15 teams shortlisted.

- 2000+ students are facilitated in 40+ MNC companies with Internships and employment.
- Our Frequent internship providers and recruiters are Capgemini, Wipro, DxCT, Virtusa, IBM, NIC, TCS, Value Labs, GGK Technologies, Opentext, EPAM, BNY MELLON, Pactera Technologies India pvt ltd, Travel Tripper, Cloudchip, Ctrl S, Zensor, Smartbridge, Internshala, TASK, Orbit Shifters and many more.
- Member of reputed professional bodies like IEEE, ISTE, IETE, ACM and CSI.
- Best Accredited Student Branch Award from Computer Society of India Continuously for 4 times.
- Recognized IEEE WIE (**Women In Engineering**) CMRTC Affinity Group.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

FACULTY ACHIEVEMENTS

1. Dr. K. Srujan Raju Co-Authored a Textbook on “Exploring Internet”.
2. Dr. K. Srujan Raju Co-Authored a Textbook on “C Programming and Data Structures” is under published by Lakshmi Publishers, Delhi.
3. Dr. K. Srujan Raju is the Chief Editor for Springer Journal.
4. Dr. K. Srujan Raju has been the Chief Guest for RCI Conference.
5. Dr.T. Mastan Rao has DST project An AI enabled low-Cost Mechanized Manufacturing of Leather Products Hub to Empower SC Community.
6. Latha Manipal Raj Pulla has Submitted PhD thesis in the area of Privacy Preserving Data Mining from Hyderabad Central University
7. N. Bhaskar has Submitted PhD thesis in the area of Medical Image Processing.
8. V. Naresh Kumar has Submitted PhD thesis in the area of Network Security.
9. J. Narsimha Rao has submitted PhD thesis in the area of Image Processing.
10. Najeema Afrin has enrolled PhD.
11. Ms Ramya R, Assistant Professor, received Certificate of Participation for successfully completing RPA Design and Development V 3.0 – Educator Readiness Program organized by UI Path Academic Alliance on 24- Jan-2022.

Sl. No	FACULTY NAME	ACHIEVMENT	CERTIFICATE
1	K. Ranjith Reddy	International Conference on AI and Data Science(ICAIDS-2022) paper presented Spam detection based on Deep Learning Technique	
2	V.Naresh Kumar	IPR Organizing Certificate-2022	

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

STUDENT ACHIEVEMENTS

1. Nithin Chandra of CSE I year 1st Runner up for 10 km Marathon conducted on 20th March 2022.
2. Mukul Chaubey of CSE IV year Secured Runner place in FootBall event in the SPORTS BLITZ 2K22-INTER COLLEGIATE SPORTS FEST held during March 04—5,2022 at MRCET, Hyderabad.
3. D.Kumar of CSE II year have won First Prize in Kho-Kho event in the SPARKS-INTELLIGENTIA SPORTS INTERCOLLEGE FEST held during 16th-18th March 2022 at MallaReddy University.
4. Mukul Chaubey of CSE IV Year has Secured Runner place in FootBall event in the SPORTS BLITZ 2K22-INTER COLLEGIATE SPORTS FEST held during March 04—5,2022 at MRCET, Hyderabad.
5. D.Hanumu, M. Tharun,P.ManojReddyandK.Vamshi Krishna of CSE II Year have won 1st Prize in Basket Ball competition held at CMRTC.
6. ELE Gowtham Kumar of CSE II year has Successfully Completed Course in WEB DEVELOPMENT Organized by IIT Hyderabad faculty.
7. Meghana ankam of CSE IV year has participated in Prelims of the Techonomic Quotient 8.0 organized by National Institute of Technology (NIT),Raipur
8. Meghana Ankam of CSE IV Year has participated in the Walmart CodeHers organized by Walmart Global Tech India.
9. Organized by Dept of IT, G.Narayamma Institute of Technology and Science,Hyderabad.
10. Meghana ankam of CSE IV year has participated in Prelims of the Techonomic Quotient 8.0 organized by National Institute of Technology (NIT),Raipur.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

RESEARCH CENTERS

A dedicated Research Centre is the backbone for productive research outcomes. CMR Technical Campus is no exception in establishing Centres in allied areas of current technologies. To match the requirement of the industry, the institute has initiated several centers in every department.

CMR Technical Campus had Inaugurated “Center of Excellence-Mobile and Web Technologies” Center. which is an emerging disruptive phenomenon of the present trend. The main motto of establishing an **MWT** is to implement creative development ideas of students.

It is not only useful for academic projects but also used for implementing real-time ideas with latest technologies like Android, IOS and much more.

MOBILE APPLICATIONS DEVELOPMENT

Just imagine your life for a second without a phone, no right. So, in the same time a smartphone holder cannot open his phone without the opening the apps installed in his phone. So, when there is no chance of us going through the phones without using the apps, why not develop them on our own according to our needs? So, let 's have a brief view of what is, why we need, how to and what's the use of a mobile app.

Mobile app development is an act or process by which an app is developed for mobile devices, such as personal digital assistants, enterprise digital assistants or mobile phones. As part of the development process, mobile user interface (UI) design is also essential in the creation of mobile apps. Mobile UI considers constraints, contexts, screen, input, and mobility as outlines for design. The user is often the focus of interaction with their device, and the interface entails components of both hardware and software. User input allows for the users to manipulate a system, and device 's output allows the system to indicate the effects of the users ' manipulation.

Front-end development tools are focused on the user interface and user experience (UI-UX) and provide the following abilities:

- UI design tools
- SDK's to access device features
- Cross-platform accommodations/support

Through these mobile apps we have many advantages of having solutions to a lot of problems on our fingertips. We can develop apps based on the problems we face in our daily life e.g.: the REDBUS app for booking tickets, the various apps for study materials for competitive exams, the apps for ordering food without the need to call up on phone like we do for pizza orders, the apps for hospital-appointments...etc.

We have to run with ever fast- yet comfort providing technology developments, as of today we can never imagine our life without smartphones so MOBILE APPLICATIONS (MOBILE APPS) are an ever increasing and never -failing business for a lot of companies and employees.

Internet of Things

CenterLead: Mr B.P Deepak Kumar

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CMR Technical Campus had Inaugurated “Center of Excellence-Internet of Things” Lab at Room No.204, Block-D, which is an emerging disruptive phenomenon of the present trend. The main motto of establishing an IoT -Club is to provide a multidisciplinary platform to implement creative ideas of students.

It is not only useful for academic projects, but also used for implementing real -time ideas with sensors, microcontrollers, communication protocols and cloud technologies and much more.

History

The term “the Internet of things” was coined by Kevin Ashton of Proctor & Gamble, later MIT’s Auto-ID Center, in 1999. As of 2016, the vision of the Internet of things has evolved due to a convergence of multiple technologies, including ubiquitous wireless communication, real-time analytics, machine learning, commodity sensors, and embedded systems means that the traditional fields of embedded systems, wireless sensors networks, control systems, automation(including home and building automation), and others all contribute to enabling the Intern et of things.

Fundamental components of Internets of Things

Hardware

Making physical objects responsive and giving them the capability to retrieve data and respond to instructions

Software

Enabling the data collection, storage, processing, manipulating and instructing

Communication Infrastructure

Most important of all is the communication infrastructure which consists of protocols and technologies which enable two physical objects to exchange data.

Applications

- Enterprise
- Media
- Infrastructure Management
- Manufacturing
- Agriculture

- Energy management
- Environmental monitoring
- Metropolitan scale deployments
- Building and home automation
- Architecture

The implementation of IoT in CMRTC several workshops were conducted on IoT were large number of students tuned up for the workshop few of the students implemented their creative ideas effectively with the help of the workshops conducted . the outgoing students are working on their major projects with the help of IoT lab under the guidance of faculty.

Data Analytics

Center Lead:SuwarnaGothane

Associate Professor : +91 – 9885887281

: suwarnagothane.cse@cmrtc.ac.in

Objective

To provide suggestion for data analytics projects from business problem formation to predictive model development.

To determine common problems in the data analytics and develop novel solutions.

To provide help for implementation of data analytics projects to aid project funding.

Centre Outcome

Improve students and faculty skill set in recent technology related with data analytics.

Ability to understand various kinds of tools, and apply mining techniques for realistic data.

Provide Domain knowledge with subject experts from industry and make ready for role of Business Analyst and Business Intelligence

Gives exposures for becoming ready for entrepreneurship and startup

Change behavior, capture opportunities, respond to threats, and improve skill

Knowledge Engineering & Deep Learning

CenterLead: Dr Raj Kumar Patra

Professor – Department of CSE

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Industries all over the world are facing a huge scarcity of skilled manpower in the field of machine intelligence. Companies are short of skilled professionals in the field of image and video analytics, vehicle industry, data analytics etc. The whole spectrum of applications is waiting for new innovations and ideas by using the potential of the newly found technology called Deep Learning.

By looking into the vast scope and industry demand in the field of artificial intelligence and deep learning for the students, CMR Technical campus has taken an initiative to establish a centre of excellence in Artificial Intelligence and Deep Learning. The centre of excellence has been named as Knowledge Engineering and Deep Learning (KEDL). To establish the centre KEDL, CMR Technical Campus has been tied up with Bennett University, New Delhi. The Centre KEDL has been started in April 2018.

The Centre focuses on foundational AI, thematic areas such as language, speech and vision, and application verticals such as banking, business, crime, cybersecurity, healthcare, transportation, manufacturing, image analytics, Video analytics, agriculture, climate studies, oil & gas, etc.

History of AI & Deep Learning

John McCarthy widely recognized as the father of Artificial Intelligence (AI). He has presented the definition of Artificial Intelligence in a conference at Dartmouth College Campus in 1956 for the first time. Artificial intelligence (AI) can be defined as an area of computer science that emphasizes the creation of intelligent machines that work and react like humans. The applications of artificial intelligence are Machine Learning and Deep Learning that uses neural networks (NN).

Machine learning is an application of artificial intelligence (AI) that provides systems with the ability to automatically learn and improve from experience without being explicitly programmed.

Deep learning is a subset of machine learning in Artificial Intelligence (AI) that has networks capable of learning unsupervised manner from the data that is unstructured or unlabeled. Also known as Deep Neural Learning or Deep Neural Network. Deep Learning was first coined by Geoffrey Hinton and referred as father of Deep Learning. He was one of the first researchers who demonstrated the use of generalized back propagation algorithm for training multi-layer neural nets.

To build the deep learning models for different AI applications various frameworks have been used. The various frameworks used are

- TensorFlow
- Caffe
- The Microsoft Cognitive Toolkit
- Keras

All the above frameworks can be easily interfaced with python. CNN and RNN deep learning models are frequently used to build the AI applications. The advantage of Deep learning models are that it can handle large Dataset and provides better results compared to the conventional neural network models

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

PLACEMENTS

PLACEMENT SUMMARY IN THE YEAR 2021-22

Total Students Placed – 154* in various companies

S.No	Name	Roll No	Photo	Company	Package
1	D Rohith Reddy	187R1A05K0		OC Tanner	6.8 LPA
2	A V Prathyusha	187R1A0501		Plan ON	8 LPA
3	G Aditi Sai	187R1A0580		Infosys	5 LPA
4	Ankita Mishra	187R1A0509		Opentext	9 LPA
5	P Tushar	187R1A05G8		MAQ Software	4.3 LPA
6	Chinni Vani	187R1A0513		Optum	5 LPA

7	G Sai Chand Goud	187R1A0522		Virtusa	5 LPA
8	N Vivek	187R1A0538		Wipro	3.5 LPA
9	P Rakesh	187R1A0544		Virtusa	5 LPA
10	A Haripriya	187R1A0561		Accenture	4.5 LPA
11	G Sai Sampreethi	187R1A0586		Broadridge	8.5LPA
12	K Teja Niranjana	187R1A0589		Virtusa	5 LPA
13	Mohd Sufiyan	187R1A0598		Wipro	3.5 LPA
14	Sai Rakshitha Kulkarni	187R1A05B0		Capgemini	7.5 LPA
15	KYashwanth Reddy	187R1A05C0		Wiley Mthree	7 LPA

16	Ch Sainath	187R1A05C9		Wipro	3.5 LPA
17	N Rajesh	187R1A05H2		Virtusa	4 LPA
18	G Sai Karthik Goud	187R1A05K3		Accenture	6.5 LPA
19	MVP Sai Sriram	187R1A05L6		TCS	3.3 LPA
20	S Sruthi	187R1A05N6		Accenture	4.5 LPA
21	V Pavan Kumar	187R1A05P3		Capgemini	4 LPA
22	V Phanindra Shivaji	187R1A05P5		Accenture	6.5 LPA
23	P Sai Dinesh	197R5A0503		Persistent Systems	4.7 LPA
24	A Manasa	187R1A0505		Accenture	6.5 LPA

25	B Abhisha Winslet	187R1A0508		Capgemini	4 LPA
26	Ch Shravika	187R1A0511		Capgemini	4 LPA
27	Paridhi Wahi	187R1A0530		Wipro	3.5 LPA
28	Roshan	187R1A0542		Accenture	4.5 LPA
29	P Shyamala	187R1A0546		Capgemini	4 LPA
30	Salendra Neha	187R1A0549		Capgemini	4 LPA
31	Tatvarty Sri Mahi Harini	187R1A0551		Capgemini	4 LPA/
32	S Uday Sai	187R1A0552		Capgemini	4 LPA
33	V Tejaswini	187R1A0560		Capgemini	4 LPA

34	A Meghana	187R1A0564		Accenture	6.5 LPAA
35	B Vinod Kumar	187R1A0565		Cognizant	4.5 LPA
36	Ch. Raghavi	187R1A0571		Capgemini	4 LPA
37	D Jayendra Sai Varma	187R1A0574		Accenture	4.5 LPA
38	E Vamshi Yadav	187R1A0577		Capgemini	4 LPA
39	G Praveesha	187R1A0585		Accenture	6.5 LPA
40	Pratyasha Panda	187R1A0590		Optum	5 LPA
41	M Prathyusha	187R1A0597		Capgemini	4 LPA
42	N Madhuri	187R1A05A3		Capgemini	4 LPA

43	S Tharun	187R1A05B3		Accenture	6.5 LPA
44	S Vedashrith Goud	187R1A05B8		Capgemini	4 LPA
45	Abhinav Joel T	187R1A05C1		Capgemini	4 LPA
46	Aditya Singh	187R1A05C4		Accenture	6.5 LPA
47	S Akshitha	187R1A05C7		Accenture	6.5 LPA
48	A Aparna	187R1A05C8		Capgemini	4 LPA
49	D Abhinav	187R1A05E0		TCS	3.36 LPA
50	E Harika Chowdary	187R1A05F3		Capgemini	7.5 LPA
51	Kalyani Yash	187R1A05F4		Winwire	3 LPA

52	K Shivani	187R1A05F7		Accenture	4.5 LPA
53	K Thanuja	187R1A05G0		Capgemini	4 LPA
54	Neeraj Kumar K	187R1A05H0		Tcs	3.36 LPA
55	Praveen Kumar Sahu	187R1A05H1		Maq Software	4.3LPA
56	P Lakshmi Dharani	187R1A05H3		LTI	5 LPA
57	V Aishwarya	187R1A05H8		Accenture	4.5 LPA
58	Vishesh Kumar Jain	187R1A05J0		Capgemini	4 LPA
59	J Tejaswini	187R1A05K6		Accenture	4.5 LPA
60	K Suswambica	187R1A05L5		Accenture	6.5 LPA

61	M BalaSravani	187R1A05M1		Capgemini	4 LPA
62	RamakaManasa	187R1A05M3		EPAM	6 LPA
63	U Sreeja	187R1A05M9		Wipro	5.5 LPA
64	Valle Uma	187R1A05N5		Capgemini	4 LPA
65	S Ruchitha	187R1A05N7		Accenture	4.5 LPA
66	E Srikala	187R1A05P9		Capgemini	4 LPA
67	Ch. Mahesh	197R5A0511		Capgemini	4 LPA
68	Ch. Savitha	197R5A0523		Capgemini	4 LPA
69	Manoj Bhargav	187R1A0534		Mad Scientist	5 LPA

70	MVS Bharadwaz	187R1A0592		Accenture	6.5 LPA
71	N Dinakar	187R1A05A4		TCS	3.60 LPA
72	Ch Lakshmi Sravya	187R1A0567		Accenture	6.5 LPA
73	R Bhargava Chary	187R1A05A9		Accenture	4.5 LPA
74	A Sushmitha	187R1A05D0		Accenture	4.5 LPA
75	Sai Hanuman	187R1A05C2		Accenture	6.5 LPA
76	Kiran Lenka	187R1A05A2		Accenture	6.5 LPA
77	N Devi	187R1A05A0		Cognizant	6.75 LPA
78	Saquib Ahmed Khan	187R1A0599		Accenture	4.5 LPA

79	P Keerthana	197R5A0505		Accenture	6.5 LPA
80	MD Abdul Haseeb	187R1A05G4		Accenture	4.5 LPA
81	M Abhigna	187R1A0594		Accenture	4.5 LPA
82	V Shiva Teja	187R1A05P6		Accenture	4.5 LPA
83	Rajshree Mondal	187R1A0539		Accenture	6.5 LPA
84	G Sravani	187R1A05K4		Accenture	6.5 LPA
85	M Sanjay	197R5A0524		Accenture	4.5 LPA
86	B Ashritha Reddy	187R1A05J4		Wipro	3.5 LPA
87	N Sai Kumar	187R1A05A1		Accenture	6.5 LPA

88	Ch. Geethanjali	187R1A0570		Accenture	6.5 LPA
89	M Shivani	187R1A05G3		Accenture	4.5 LPA
90	G Vijay	187R1A0523		Accenture	4.5 LPA
91	Adi Pranay	197R5A0515		Accenture	4.5 LPA
92	P Likhitha Krishnaja	187R1A05M4		Wiley	7 LPA
93	N Krishna Lekha	187R1A05G9		Accenture	4.5 LPA
94	K Saikat Kumar	187R1A0545		Accenture	4.5 LPA
95	J Krishna Mohan	187R1A05F1		Wipro	3.5 LPA
96	P Neeshma	197R5A0513		Accenture	4.5 LPA

97	Syed Yusuf Ali	187R1A0587		Accenture	6.5 LPA
98	P Shree Ram	187R1A05M7		Accenture	6.5 LPA
99	Himanshu Kumar	187R1A0521		Accenture	6.5 LPA
100	B Suresh	187R1A05D1		Wipro	3.5 LPA
101	G Srikar	187R1A05E3		Intellect Design	5 LPA
102	K Pavan Kumar	187R1A05K5		Wipro	3.5 LPA
103	M Chandana	187R1A05L9		Wipro	3.5 LPA
104	B Ravali	187R1A05D6		Wipro	3.5 LPA
105	A Mahesh	197R5A0507		Accenture	6.5 LPA

106	Y Sadhika	187R1A05N2		Wipro	3.5 LPA
107	K Sai Harshitha	187R1A0528		TCS	3.60 LPA
108	ModhiSathvik	187R1A05G5		Wipro	3.5 LPA
109	S Anusha Reddy	187R1A0553		Wipro	3.5 LPA
110	S Akhila	187R1A05H6		Cognizant	4 LPA
111	D Rohit	187R1A0519		Wipro	3.5 LPA
112	Satyam Srivastava	187R1A0515		Cognizant	4 LPA
113	D Kishan Prasad	187R1A05D5		TCS	3.60 LPA
114	Mukul Chaubey	187R1A0524		Wipro	3.5 LPA

115	E Ram Charan	177R1A0511		ACMEGRADE	4 LPA
116	P Manoj Reddy	177R1A05A2		Wipro	3.5 LPA
117	N Prerana	187R1A0569		Accenture	4.5 LPA
118	P Rajeshwar Reddy	187R1A05N0		Hexa ware	3.5 LPA
119	DV Rithika	187R1A05B4		Meadvaristy	3 LPA
120	Thota Avilash	197R5A0501		Accenture	4.5 LPA
121	HumeraNaaz	187R1A05E6		Accenture	4.5 LPA
122	K Dharani	187R1A05E7		Accenture	6.5 LPA
123	G Anjana	187R1A0583		Accenture	6.5 LPA

124	M Venkat	187R1A05F6		Wipro	3.6 LPA
125	RayiSupriya	187R1A05H5		Cognizant	4 LPA
126	P Mukundh	187R1A0566		CTS	4 LPA
127	ANDREW DOMINIC FERNANDEZ	187R1A0578		CTS	4 LPA
128	KeerthKoumudh	187R1A0506		Intellect Design	5 LPA
129	N Meghana	187R1A05B1		CTS	4 LPA
130	V Rajesh Reddy	187R1A0554		CTS	4 LPA
131	J Navaneeth	187R1A05E1		CTS	4 LPA
132	B Shruthi	187R1A05D7		CTS	4 LPA

*133	D Adarsh	187R1A0516		CTS	4 LPA
134	Md Adnan	187R1A05M2		CTS	4 LPA
135	B Madhav	187R1A05J7		CTS	6.75 LPA
136	D Vinay	187R1A05J3		CTS	4 LPA
137	Ch Ashritha Reddy	187R1A05A8		CTS	4 LPA
138	Mote Naresh	187R1A05G6		CTS	4 LPA
139	K Vamshi Naik	187R1A0529		CTS	4 LPA
140	A Dharani Laxmi	187R1A0562		CTS	4 LPA
141	B Ritesh	187R1A0527		CTS	4 LPA

142	A Madhu	187R1A05C5		CTS	4 LPA
143	P Vidya	187R1A0543		CTS	4 LPA
144	T Sai Charitha	187R1A0556		CTS	4 LPA
145	S Prathyusha	187R1A05B6		CTS	4 LPA
146	A Sivasankar	187R1A05C3		CTS	4 LPA
147	V Guru Pavani	187R1A05H7		CTS	4 LPA
148	B Sunil	187R1A05J1		CTS	4 LPA
149	L Shivani Goud	187R1A05J2		CTS	4 LPA
150	P Shashidhar	187R1A05M8		CTS	4 LPA
151	Lavanya	18C21A0510		ICICI	2.4 LPA

152	Shaik Afroz	187R1A05B5		ICICI	2.4 LPA
153	B Shiva	197R5A0521		ICICI	2.4 LPA
154	P Sharanya	187R1A0541		LTI	4 LPA

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

INTERNSHIPS

Internships SUMMARY IN THE YEAR 2021-22

Sl.no	H.T. No	Internship	DOJ
1	187R1A0506	CTS	26.02.2022
2	187R1A0508	Capgemini	08.03.2022
3	187R1A0509	OpenText	13.01.2022
4	187R1A0511	Capgemini	08.03.2022
5	187R1A0513	Virtusa	07.01.2022
6	187R1A0515	Persistent Systems	17.02.2022
7	187R1A0519	Wipro	10.03.2022
8	187R1A0522	Virtusa	07.01.2022
9	187R1A0524	KEKA	17.01.2022
10	187R1A0528	Wipro	10.03.2022
11	187R1A0530	CTS	26.02.2022
12	187R1A0538	Virtusa	12.01.2022
13	187R1A0541	CTS	17.02.2022
14	187R1A0542	Capgemini	02.03.2022
15	187R1A0544	Virtusa	07.01.2022
16	187R1A0546	Capgemini	08.03.2022
17	187R1A0549	Capgemini	08.03.2022
18	187R1A0550	Wipro	10.03.2022
19	187R1A0551	Capgemini	02.03.2022
20	187R1A0552	MAQ Software	17.01.2022
21	187R1A0560	Capgemini	08.03.2022
22	187R1A0565	Wiley Mthree	14.03.2022
23	187R1A0574	Capgemini	08.03.2022
24	187R1A0577	Capgemini	01.03.2022
25	187R1A0580	Colruyt	07.03.2022
26	187R1A0589	Virtusa	07.01.2022
27	187R1A0597	Capgemini	07.03.2022
28	187R1A0598	Virtusa	07.01.2022
29	187R1A05A0	CTS	26.02.2022
30	187R1A05A3	Capgemini	08.03.2022
31	187R1A05B0	Capgemini	02.03.2022
32	187R1A05B8	Capgemini	08.03.2022
33	187R1A05C0	Wiley Mthree	14.03.2022

34	187R1A05C2	Wiley Mthree	14.03.2022
35	187R1A05C5	CTS	26.02.2022
36	187R1A05C8	Capgemini	08.03.2022
37	187R1A05D5	Wipro	17.03.2022
38	187R1A05D6	Wipro	10.03.2022
39	187R1A05D7	CTS	18.02.2022
40	187R1A05E3	Colruyt	07.03.2022
41	187R1A05F1	Persistent Systems	17.02.2022
42	187R1A05F3	Capgemini	07.03.2022
43	187R1A05F6	Wipro	10.03.2022
44	187R1A05F7	Capgemini	08.03.2022
45	187R1A05G3	CTS	18.02.2022
46	187R1A05G5	Wipro	10.03.2022
47	187R1A05G6	CTS	26.02.2022
48	187R1A05H3	Capgemini	07.03.2022
49	187R1A05H6	Wipro	10.03.2022
50	187R1A05J4	Opentext	06.01.2022
51	187R1A05J7	CTS	12.02.2022
52	187R1A05k6	Capgemini	08.03.2022
53	187R1A05L5	Capgemini	08.03.2022
54	187R1A05L9	Wipro	17.03.2022
55	187R1A05M3	Epam	03.01.2022
56	187R1A05M4	Wiley Mthree	14.03.2022
57	187R1A05M9	Wipro	08.03.2022
58	187R1A05N2	Wipro	10.03.2022
59	187R1A05N5	Capgemini	08.03.2022
60	187R1A05N7	Capgemini	08.03.2022
61	187R1A05P3	Virtusa	07.01.2022
62	187R1A05P9	Capgemini	08.03.2022
63	197R5A0503	Virtusa	12.01.2022
64	197R5A0511	Capgemini	08.03.2022
65	197R5A0522	Primesoft solutions	24.01.2022
66	197R5A0523	Capgemini	08.03.2022

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

PUBLICATIONS

Sl. No	Title of paper	Name of the author/s	Name of Journal	Year of Publication	ISSN/ ISBN No.
1	Investigations on Brain Tumor Classification Using Hybrid Machine Learning Algorithms	Dr.K.Maheswari	Hindawi Journal of Healthcare Engineering .(SCOPUS)	Volume 10 1-9,February 2022	2040-2309

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

PATENTS

Sl. No	Application no	Title	Faculty	status	Date
1	712/CHE/2015	AN OPTIMUM ENERGY SAVING SYSTEM AND METHOD FOR A WIRELESS COMMUNICATION NETWORK	Dr.K.Srujan Raju	Published	Granted

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

RESEARCH GRANTS

Ongoing and Completed Research Projects and Consultancies

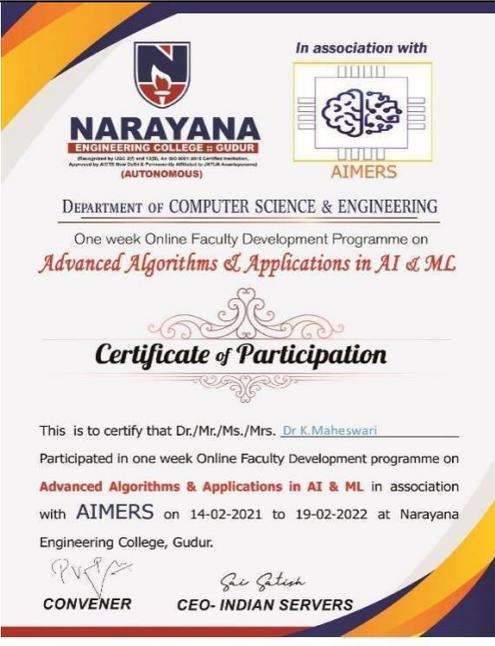
Sl. No	Title	Sanction Agency	Names of the Principal and Co-Investigators	Grant / Amount Mobilized (Rs. Lakh)	Status of the Project
1	Context Vector Machine for Thematic Traits in Multimedia Files and Documents	DST	Dr.K. Srujan Raju Dr. Parag Kulkarni Mr. Md. Rafeeq Mr. Ravikanth M	37,73,600/- -	Completed
2	An AI enabled low-Cost Mechanized Manufacturing of Leather Products Hub to Empower SC Community	DST	Dr T S Mastan Rao	67,00000/-	Ongoing
3	National Conference on Cyber Security, Image Processing, Graphics, Mobility, and Analytical (NCCSIGMA-2016)	DST	Dr.K.Srujan Raju	1.00000/-	Completed
4	Second Expert Committee Meeting Biobliometrics	DST	Dr.K.Srujan Raju	1200000/-	Completed
5	National Conference on Cyber Security, Image	SERB	Dr.K.Srujan Raju Mr. V. Naresh	1.00000/-	Completed

	Processing, Graphics, Mobility, and Analytical(NCC SIGMA-2K19)	DST	Kumar Mrs. A. Anusha		
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Faculty FDP Attended

S. No	Faculty Name	Certificate
1	U.Krishnaveni	 <p>The certificate is titled "CERTIFICATE OF PARTICIPATION" and is issued by CMR Technical Campus. It certifies that U. KRISHNAVENI has attended a faculty awareness session on "Outcome Based Education" held on 26th February 2022, organized by the Department of CSE(A&ML) of CMR Technical Campus. The certificate features the CMR logo, accreditation details, and signatures of three officials: Dr. Mahesh K. Coordinator, Dr. S. Rao Chintalapudi, HoD CSE(A&ML), and Dr. A. Raji Reddy, Director.</p>

2	Dr.K.Maheshwari	 <p>NARAYANA ENGINEERING COLLEGE - GUDUR <small>Approved by AICTE New Delhi & UGC, New Delhi. Affiliated to JNTUA Anaparthi (AUTONOMOUS)</small></p> <p>In association with AIMERS</p> <p>DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING</p> <p>One week Online Faculty Development Programme on <i>Advanced Algorithms & Applications in AI & ML</i></p> <p>Certificate of Participation</p> <p>This is to certify that Dr./Mr./Ms./Mrs. <u>Dr. K. Maheshwari</u> Participated in one week Online Faculty Development programme on Advanced Algorithms & Applications in AI & ML in association with AIMERS on 14-02-2021 to 19-02-2022 at Narayana Engineering College, Gudur.</p> <p><i>P. V. S. S. S.</i> CONVENER</p> <p><i>Sri Satish</i> CEO- INDIAN SERVERS</p>
3	Dr.K. Maheshwari	 <p>CERTIFICATE OF PARTICIPATION VNR VJiet</p> <p>This is to certify that Dr K. Maheshwari has participated in One Week Faculty Development Programme on Recent Advancements in Machine Learning & Deep Learning organised by department of CSE in collaboration with VNR CSI SC during 26th - 30th April, 2021.</p> <p><i>N. Sandeep Chaitanya</i> Mr. N Sandeep Chaitanya Co-ordinator</p> <p><i>P. Tejaswi</i> Mrs. P Tejaswi Co-ordinator</p> <p><i>B. V. Kiranmayee</i> Dr. B V Kiranmayee Head, Dept. of CSE</p>

4	 <p>N. Bhaskar</p>	 <p>NUTHANAKANTI BHASKAR</p> <p>has attended a faculty awareness session on "Outcome Based Education" held on 26th February 2022 organized by Department of CSE(AI&ML) of CMR Technical Campus.</p> <p>Dr. Mahesh K Coordinator CMR Technical Campus</p> <p>Dr. S Rao Chintalapudi HoD CSE(AI&ML) CMR Technical Campus</p> <p>Dr. A. Raji Reddy Director CMR Technical Campus</p>
5	<p>V.Naresh Kumar</p>	 <p>V. Naresh Kumar</p> <p>CMR Technical Campus , Hyderabad, Telangana</p> <p>has successfully completed</p> <p>Machine Learning Faculty Development Program</p> <p>an online credit based course offered through COIGN during the period from 16-Aug-2021 to 21-Aug-2021</p> <p>K. SESHU SANYASI NAIDU Program Head</p>
6	<p>V.Naresh kumar</p>	 <p>Voruganti Naresh Kumar</p> <p>Participated in one week Online Faculty Development programme on Advanced Algorithms & Applications in AI & ML in association with AIMERS on 14-02-2022 to 19-02-2022 at Narayana Engineering College, Gudur.</p> <p>CONVENER CEO- INDIAN SERVERS</p> <p>Made for free with Certify'em</p>

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Events Conducted

Name of the Event: THINK TANK-2022

THINK TANK-2022 is the event for pooling of innovative ideas and concepts linkage with innovative ambassadors for mentorship.

1. Objective of the Program

- Creating an online or offline platform to ignite innovative thinking.
- The best platform to pool new ideas, business plans and technical concepts from the participants.
- To improve the ability of technical thinking, innovative thought process and real time applicability.

2. Benefits /Outcome of the Program

- All the participants are given chance to register their innovative concepts through the program.
- The ability of thinking has been enhanced and motivated to implement while providing real time solutions through their concepts.

CMR TECHNICAL CAMPUS **nirf** **AACSB** **INSTITUTION'S INNOVATION COUNCIL**

CSE DEPARTMENT
IIC 4.0

THINK TANK
POOL OF CONCEPTS 2022

REGISTER ANY IDEA/CONCEPT
PRESENT YOUR CONCEPT PROOF
WIN AWARDS & CERTIFICATES
WIN MENTORING CERTIFICATES

SPECIAL AWARDS FOR TOP 5 CONCEPTS

DATE OF EVENT: 19-FEBRUARY 2022, SATURDAY
TIME: 10:00AM
LOCATION: CMRTC AUDITORIUM

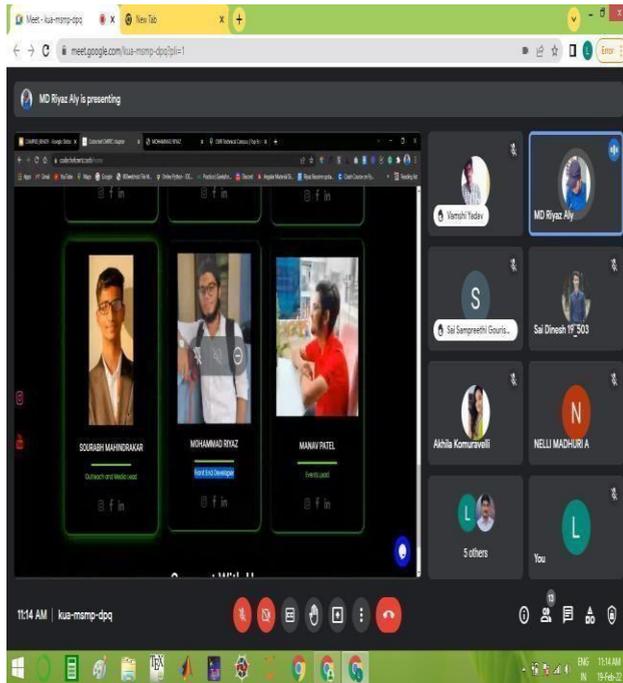
Registration Link
<https://forms.gle/Kaf1MCCV1X8U1L8K2K>
www.cmrtc.ac.in
/cmrtechnicalcampus

PROGRAM CONVENORS
Latha Gadepaka
Associate Professor
IIC Faculty Member, CMRTC
phone:9989524340
DR. T. S. Mastan Rao
Professor & Innovation
Ambassador, IIC, CMRTC
phone:9000404339

CHIEF PATRON
Shri. C. Gopal Reddy

PATRONS
Smt. C. Vasantha Latha
Mr. C. Abhinav Reddy
Dr. A. Raji Reddy

PRESIDENT, IIC, CMRTC
Dr. M. Ahmed Ali Baig
VICE PRESIDENT, IIC, CMRTC
Dr. K. Srujan Raju
CONVENOR, IIC, CMRTC
Dr. Sudha Arvind



Name of the Event:

TECHNOVANJA-2.0 International Hackathon for SIH 2022

Objective: Idea Submission for the prescribed problem statement

On SIH portal

Benefits: The Top 15 teams will be nominated for smart India Hackathon-2022

A colorful promotional poster for "Technovanja-2.0 Internal Hackathon for SIH 2022". The poster features logos for CMR Technical Campus, NAAC, NIRF, ARIIA, and the Institution's Innovation Council. It lists various themes such as Agriculture & Rural Development, Blockchain & Cyber-Security, Clean & Green Technology, Fitness & Sports, Heritage & Culture, MedTech / Biotech / Health Tech, Miscellaneous, Renewable / Sustainable Energy, Robotics and Drones, Smart Automation, Smart Vehicles, Travel & Tourism, Transportation & Logistics, Disaster Management, and Smart Education. Key dates include a last date for team registration on 10th March 2022 and a last date for idea submission on 15th March 2022. The hackathon is held on 18th & 19th March 2022. The poster also lists the names of the conveners, program convener, event coordinators, chief patron, patrons, president, and vice president. A QR code is provided for registration, and contact information for student coordinators is listed. The poster is categorized into Agriculture & Rural Development, Health Care, Environment, Miscellaneous, Blockchain & Cybersecurity, and Smart Education.





**INSTITUTION'S INNOVATION COUNCIL (IIC)
CMR TECHNICAL CAMPUS
UGC Autonomous**

Accredited by NBA & NAAC with 'A' Grade
Approved by AICTE & Affiliated to JNTUH
Kandlakoya, Medchal Road, Hyderabad-501401



IC201811279

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Sri. C. Gopal Reddy
Chairman

PATRON:
Smt. C. VasanthaLatha
Secretary

Head of the Institute:
Dr. A. Raji Reddy
Director

President:
Dr. M. Ahmed Ali Raig
Dean (Academics) &
Professor of Mechanical Engg.

Vice President:
Dr. K. Srujan Raju
Dean Student Welfare
Professor & HOD of CSE

Convener:
Dr. Sudha Arvind
Professor of ECE

Expert Members:
Sri. R Bubeesh Kumar
Director - Food & Agriculture, RCH
Sri. D. Rajesh Reddy
Scientist- SE, ISRO
Sri. C. Narsimulu
CEO, CloudChip Technologies Pvt. Ltd.
Sri. Ch. Aravind Babu
Chartered Accountant

Faculty Co-ordinators:

Internship Activity Co-ordinator
Dr. Ch. Srinivas Rao
Professor of Civil Engg.

Innovation Activity Co-ordinator
Dr. T. S. Mastan Rao
Asso. Professor of CSE

Start-up Activity Co-ordinator
Dr. A. Praveen Kumar
Asso. Professor of Mechanical Engg.

IPR Activity Co-ordinator
Dr. D. Kishore Kumar
Asso. Professor of MBA

NIRF Co-ordinator
Dr. M.Ahmed Ali Raig
Dean, Academics and Professor of
Mechanical Engg.

ARIIA Co-ordinator
Dr. B. Kavitha Rani
Professor of CSE

Social Media Co-ordinator
Mr. V. Nareesh Kumar
Asso. Professor of CSE

Ref: CMRTC/IIC 4.0/IH/Nominations

Date: 19/03/2022

Technovanza 2.0
Top 10 Teams nominated from Juries for PS under Ministry/Organizations
towards Samrt India Hackathon 2022

Sl. No.	Team Name	Team Leader Name	PS Number	SW/ HW	Mentor Name
1.	Elementary	Uday Sai	AT896	SW	Dr.T.S.Mastan Rao
2.	Sparkling Soon	Manoj Bhargav Ram	GM754	SW	Dr.T.S.Mastan Rao
3.	Tiny Coders	Gaurav Mandal	AK1207	SW	Dr.Prabhu A
4.	/dev/null	D. Rohith Reddy	AK1107	SW	V.Nareesh Kumar
5.	Team Ignite	Manav	SS594	HW	K.Murali
6.	Profiled Jarvis	P.Shreshtha Reddy	DA1066	HW	T.L.Deepika Roy
7.	Adventures 2.0	Jaloth Kshwar	G8899	HW	M.Ajay Kumar
8.	Techno Crew	Kommavar Roshini	AT992	SW	M.Ravindran
9.	Span Bytes	L.Poolamma	DV909	HW	Dr.Sudha Arvind
10.	Velocity	P.Tushar	DR705	SW	Dr. T. S. Mastan Rao

Top 5 Teams nominated from Juries for PS under
Student Innovation towards Samrt India Hackathon 2022

Sl. No.	Team Name	Team Leader Name	PS Number	SW/ HW	Mentor Name
1.	Innersats	Neeraj Kumar	SM91X	SW	Dr.T.S.Mastan Rao
2.	New Dimension	Veda Mukhi	SM989	HW	M.Ajay Kumar
3.	Educare	G.Gaichand Goud	SM945	SW	Dr.T.S.Mastan Rao
4.	Team Amigos	Krishna Chaitanya	SM963	HW	Dalli Sravani
5.	Keem Caster	Akhila Balla	SM96X	HW	Dr.Sudha Arvind

Arreddy
Dr.A.Raji Reddy
Director, CMRTC

DREAM

DESIGN

INNOVATE

Name of the Event: **IDEAtion** 2021

IDEAtion-2021 event is for scouting innovative ideas and linkage with innovative ambassadors for mentorship.

3. Objective of the Program

- Creating a platform to scout new innovative ideas from participants.
- To improve the thinking ability towards the innovation.
- An innovative session arranged to discuss the ideas to be formed and carried out for the right purpose.
- Contest among ideas to encourage for the realistic use in the form of real time application.

4. Benefits /Outcome of the Program

- Participants got chance of generating ideas for the good cause.
- Thinking abilities are upgraded and gathered the knowledge of designing real time ideas.
- Innovative session which was an interactive session helped participants to understand what is invention and innovation.
- The session focused on solutions to some problems and designs an application.
- There are 117 students and 5 faculty participated in this event.



The banner features logos for CMR Technical Campus, NAAC, NBA, Institution's Innovation Council, and NIRF. The main title is 'IDEAtion' in large red and black letters, with a lightbulb icon. Below it, the subtitle is 'Innovation - Interaction' and the event name is 'Innovative Idea Contest'. The organizing body is 'IIC 4.0 - CMRTC, Department of CSE'.

Theme PITCHING INNOVATIVE IDEAS FOR TECHNICAL STARTUPS	SCAN/CLICK THIS QR FOR REGISTRATION 	Innovation Session Ambassador DR. M.A.H. FARQUAD DIRECTOR, DATA DIVISION INI LABS INC. ONTARIO, CANADA 
<ul style="list-style-type: none">• Idea Presentation in Offline mode.• Any UG/PG Student can join the Contest.• Students & Faculty can join the Event as a Participant/Viewer.	Date of Event 20 - November - 2021 Time: 10:00 AM Venue: CMRTC Auditorium D-Block	FREE REGISTRATION Exciting Prizes, Quality Interaction with Session Ambassador Participation Certificates
Program-Conveners Latha Gadepaka Associate Professor CSE Dept. - CMRTC +91 9989624240 Dr. T. Subha Mastan Rao Innovation Co-ordinator, IIC, CMRTC +91 9000404339	CHIEF PATRON Shri C. GOPAL REDDY PATRONS Smt. C. VASANTHA LATHA Mr. C. ABHINAV REDDY Dr. A. RAJI REDDY PRESIDENT, IIC, CMRTC Dr. M. AHMED ALI BAIG VICE-PRESIDENT, IIC, CMRTC Dr. K. SRUJAN RAJU CONVENER, IIC, CMRTC Dr. Sudha Arvind	Student Coordinators A. Arun Deepak +91 8304067918 B. Vivekananda +91 8179130223 CMR TECHNICAL CAMPUS UGC AUTONOMOUS NIRF Ranked Institution Kandlakoya, Hyderabad Telangana - 501401  /cmrtechnicalcampus



Name of the Event: Session on Design Thinking, Institution's Innovation Council

Speakers:

Mr. Anirban Pal

Objective of the Program

- To understand the human needs involved and learn emerging trends of design thinking process.
- To improve student and faculty's ability in the problem solving.
- To learn defining the problem in human-centric ways and creating many ideas in ideation sessions.

Benefits /Outcome of the Program

- Participants got familiar with Design Thinking to tackle complex problems.
- Design thinking session helps to create feasible and user-focused solutions to design problems.

- There are 60 students and 5 faculty participated in this event.



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KANDLAKOYA (V), MEDCHAL RD, HYDERABAD, TELANGANA 501 401.



Department of Computer Science & Engineering
in association with
Institution's Innovation Council (IIC 4.0) Organizing Session

DESIGN THINKING

GUEST SPEAKER

Mr. Anirban Pal

Enterprise Architect & Solution Integrator
Tech Mahindra Limited



12th Nov , 2021



2:00PM - 3:00 PM

Registration Link: bit.ly/design_thinking_cmrtc

Dr. K. Maheswari

Co-Ordinator, IIC
CMR TECHNICAL CAMPUS
Hyderabad

Dr. Suwarna Gothane

Co-Ordinator, IIC
CMR TECHNICAL CAMPUS
Hyderabad

Dr. Sudha Arvind

Convener, IIC
CMR TECHNICAL CAMPUS
Hyderabad

Dr. K. Srujan Raju

Vice President, IIC
CMR TECHNICAL CAMPUS
Hyderabad

Dr. M. Ahmed Ali Baig

President, IIC
CMR TECHNICAL CAMPUS
Hyderabad

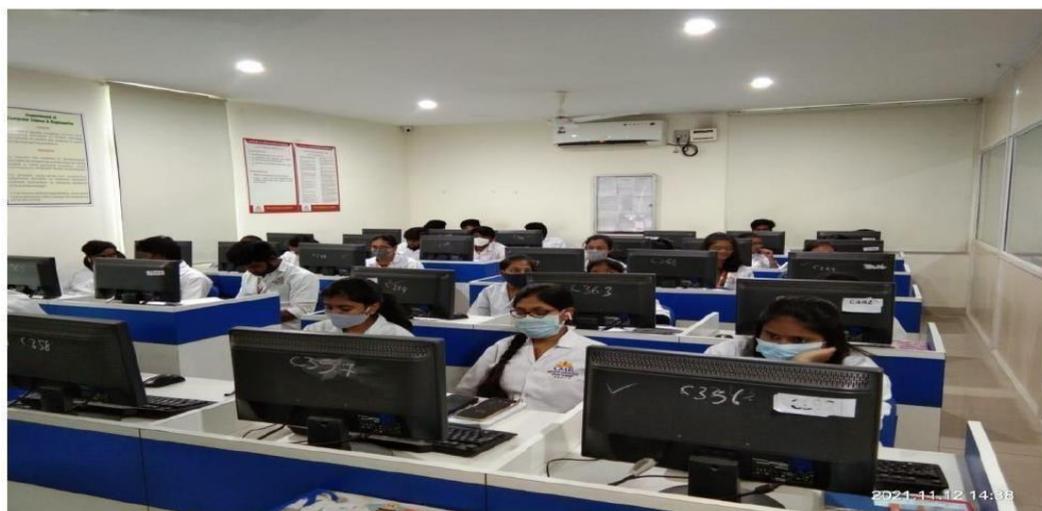
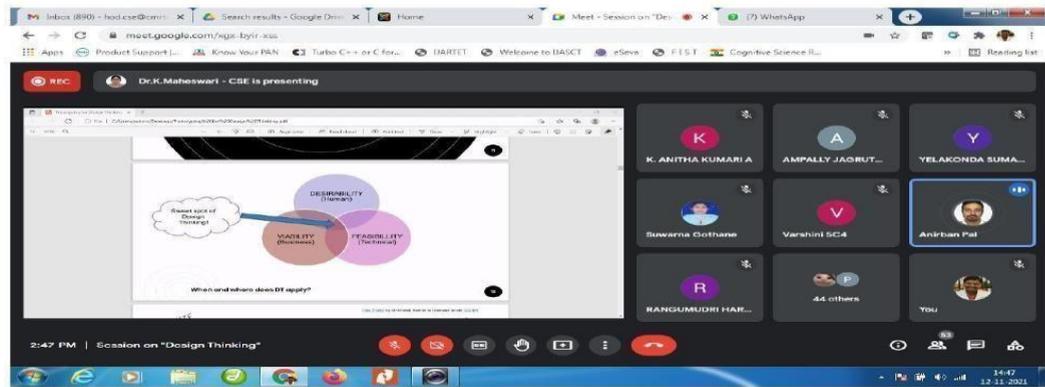
Dr. A. Raji Reddy

Director
CMR TECHNICAL CAMPUS
Hyderabad



/ [cmrtctechnicalcampus](https://www.instagram.com/cmrtctechnicalcampus)

www.cmrtc.ac.in



Name of the Event:

Workshop on Process Design and Development-Prototyping, Institution's Innovation Council (IIC 3.0), Ministry of Education (MOE's), Govt. of India.

Speakers:

Mr. Anirban Pal

Objective of the Program

- To offer learning on basic, emerging trends of design thinking process.
- To improve student and faculty's ability in the area of design process and development prototype.
- To provide hands on design engineering using open source online tools miro and wireframe.

Benefits /Outcome of the Program

- Participants will be familiar with Prototyping which offers designers the opportunity to bring their ideas to life, test the practicability of the current design, and to potentially investigate how a sample of users think and feel about a product.
- Hands on experience on miro and wireframe tools to offer structuring at design level.

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KANDLAKOYA (V), MEDCHAL RD, HYDERABAD, TELANGANA 501 401.

DEPARTMENT OF CSE & IT
Organising a Workshop on
PROCESS DESIGN & DEVELOPMENT - PROTOTYPING
in Association with Institution's Innovation Council (IIC)

29
APRIL
2021

2:00 - 4:00 PM
Through Google Meet

GUEST SPEAKER
Mr. Anirban Pal
Enterprise Architect & Solution Integrater,
Tech Mahendra Limited

Dr. Suvarna Gothone
Co-Ordinator IIC, CMRTC

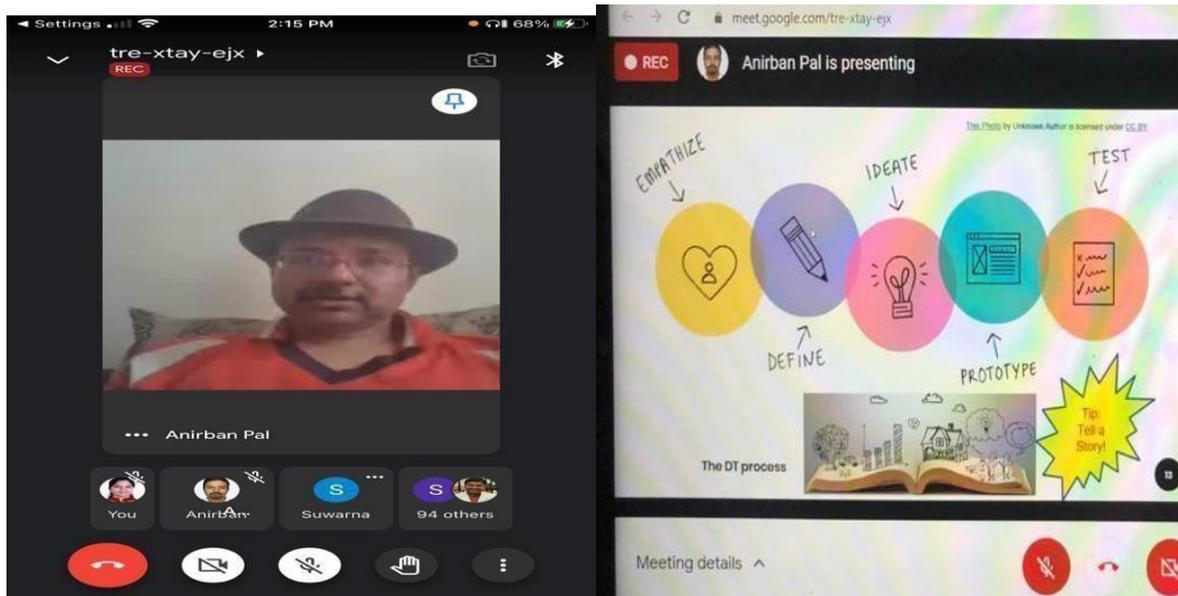
Dr. K. Srujan Raju
Vice President IIC, CMRTC

Dr. Sudha Arvind
Convener IIC, CMRTC

Dr. M. Ahmed Ali Baig
President IIC, CMRTC

Dr. A. Raji Reddy
Director, CMRTC

[/cmrtechnicalcampus](#) www.cmrtc.ac.in



Name of the Event: INNOVATION AND DESIGN THINKING

Speakers:

Mr. Biju CEO Renodo consulting Pvt Ltd

Gist of the Event:

Objectives:

1. To recognize the State of art and challenges in innovation.

2. To expose ideas, concepts, and solutions related to the design and execution of innovation design thinking principles.

3. To develop mind-set for problem identification and reframing, forethought, hindsight and insight generation.

This event was conducted on 30-12-2020 at 10-12pm on zoom meetings, Resource person to this event is Mr.Biju CEO Renodo consulting Pvt Ltd. There are 140 students from 2,3 B.Tech,10 faculty participated in this event. Session was conducted very effectively by involving students in the discussions. Students understand how to think innovatively, how to explore opportunities around us through design thinking.

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INSTITUTION'S INNOVATION COUNCIL
Empowerment of Education Institution

IIC - CMRTC
DEPARTMENT OF CSE
Conducting session on

To Join Scan me

Innovation and Design thinking

Biju Rema Balagoopal
Renodo Consulting Pvt Ltd.

Dr. A. Raji Reddy
DIRECTOR
CMR TECHNICAL CAMPUS

Dr. M. Ahmed Ali Baig
PRESIDENT, IIC
CMR TECHNICAL CAMPUS

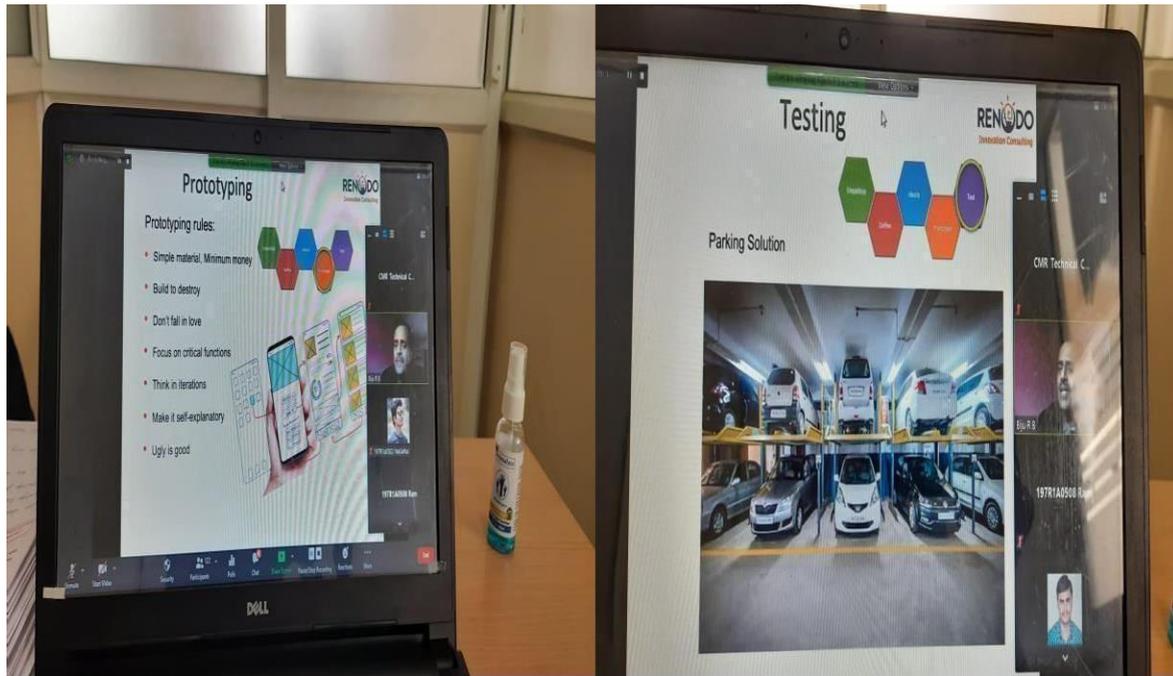
30th, Dcember 2020
10 AM - 12 PM

Dr. K. Srujan Raju
VICE-PRESIDENT, IIC

Dr. Sudha Arvind
Convener, IIC

Dr. T.S. Mastan Rao
Coordinator, IIC

cmrtechnicalcampus <https://www.cmrtc.ac.in>



Event Title: A webinar on “Idea validation and creating viable business plan”

Speakers:

Mr.Roshan founder Scroll well, Mr. kashish Co-founder scroll well

Gist of the Event:

Objectives:

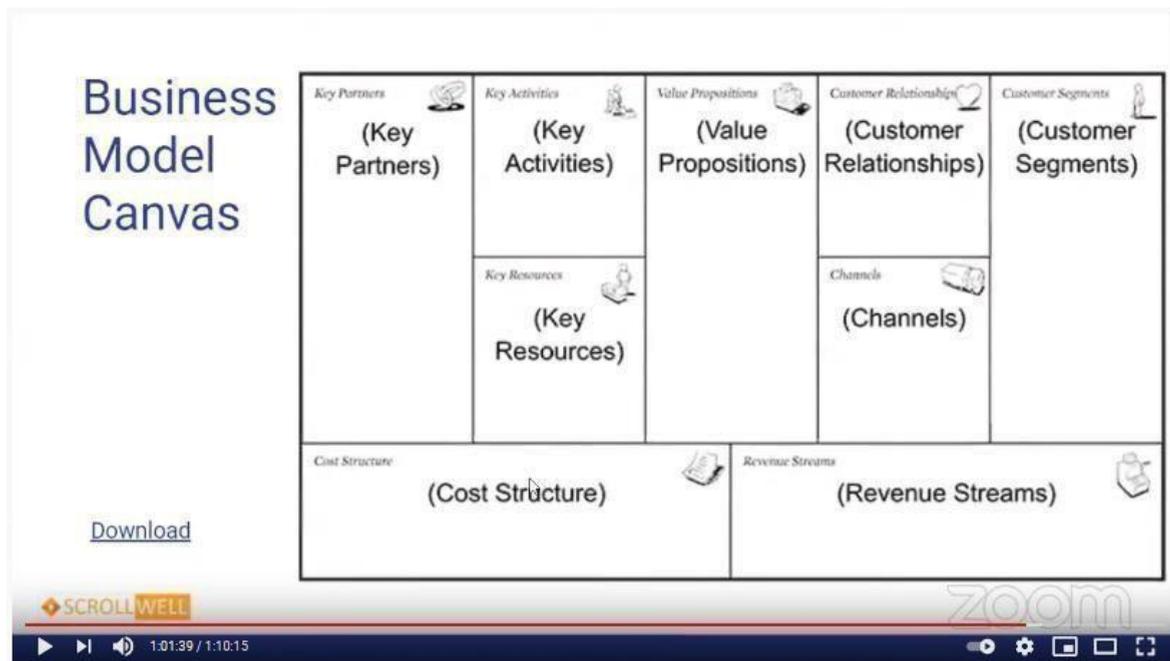
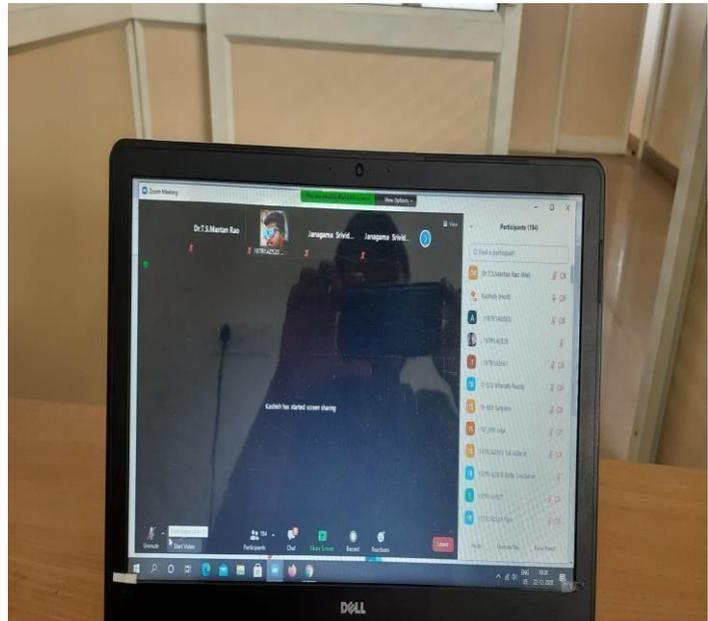
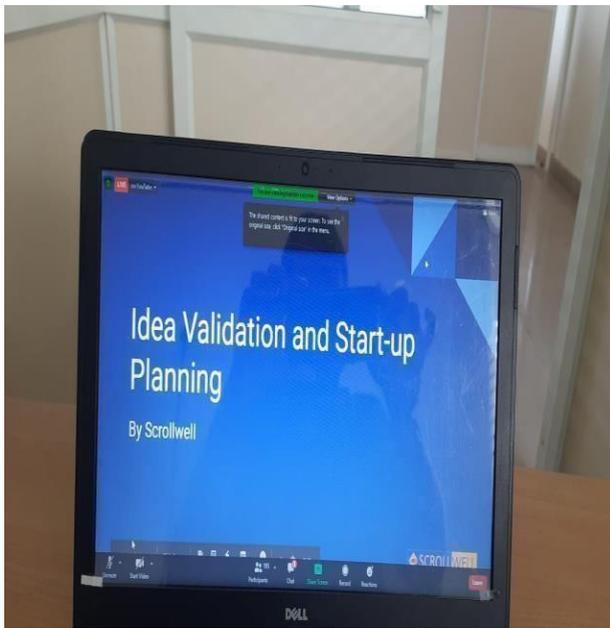
- To make the students to understand the need of validating the problem
- To understand how to validate the market
- To understand how to validate the product and its efficiency

In this session speaker explain in detail about need of validating the problem and standard practises for validating the problem. In this regard he explained about product/service canvas with real world example, process of adding value proportion to the product. Different approaches to study the market.

Outcomes:

- Able to validate the problem
- Able to survey the market

- Able to estimate product performance and efficiency



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Workshops Conducted

Name of the Workshop: UI/UX Workshop

Speaker:

B. Srinivas CEO Game Pros

Objective:

This workshop gives a Complete knowledge on UI/UX.

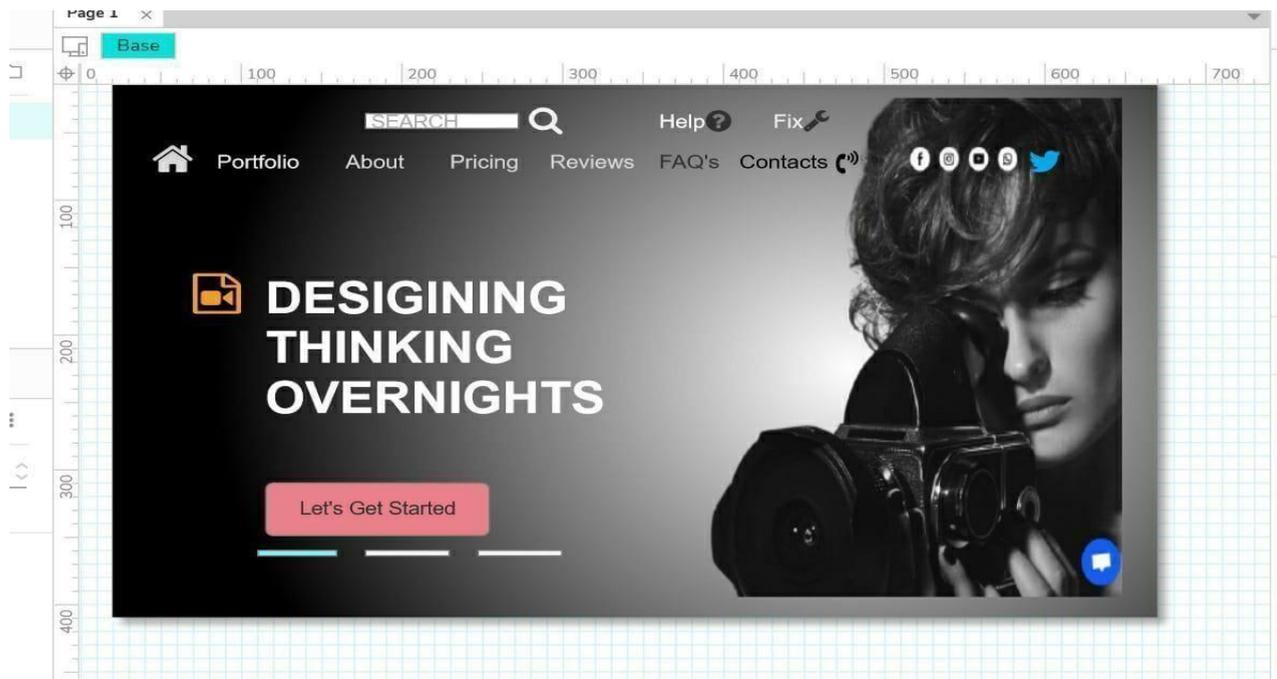
By the End of the workshop, the aspirant will have a full-fledged project in their portfolio and working capability of handling any project from scratch using various UI methodologies.

Benefits: Students able to design Interactive user Interface.

There are 46 students and 5 faculty participated in this work shop

The poster is for a 'WORKSHOP ON UI/UX DESIGN' held at CMR Technical Campus. It features logos for CMR, CSE, NIRF, and NAAC. The text includes the workshop title, organizer information (Department of Computer Science and Engineering), instructor name (B. Srinivas), dates (5th-6th Jan, 2022), location (CMR Technical Campus), coordinators (Dr. T. Subha mastan Rao and Dr. B. Laxmaiah), contact number (+91 8374760365), student coordinators (Gowtham and Sai Deepa), and a registration fee of Rs 500/-. The background has a light blue pattern of icons related to technology and design.

The Below USER Interface Design by students



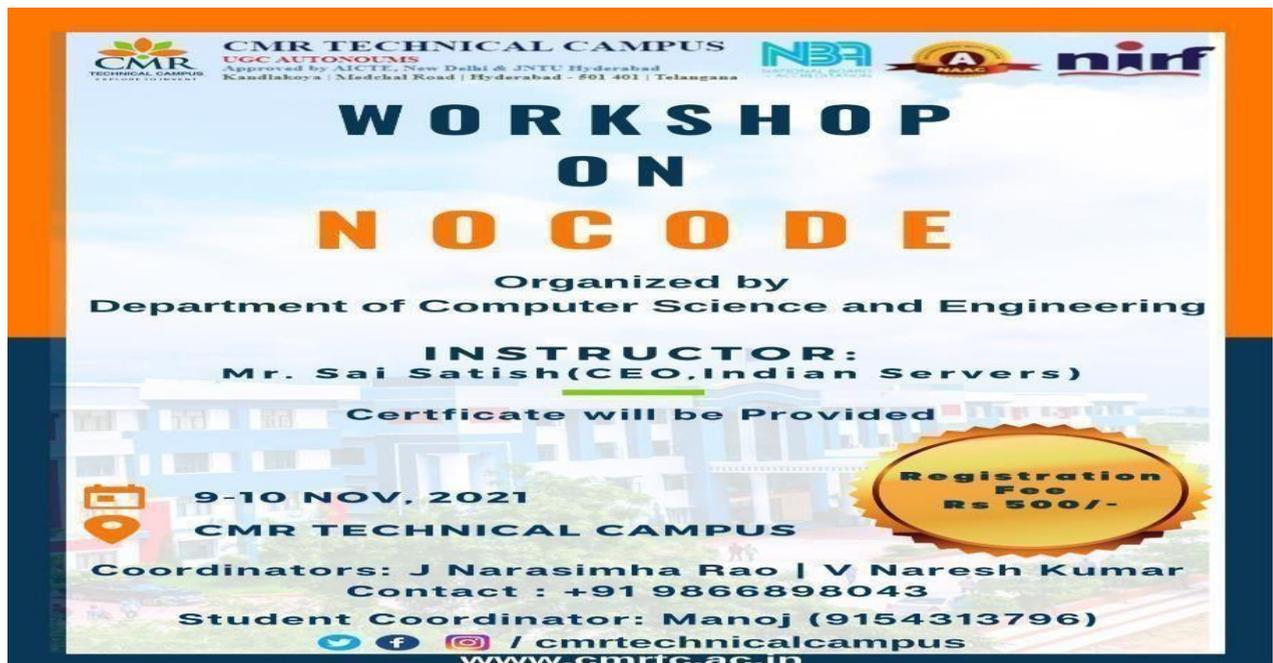


Name of Workshop: NO CODE

Instructor: MR. Sai Satish (CEO. Indian Server)

Objective :

Students able to design the applications with out CODE



The poster is for a workshop titled "WORKSHOP ON NO CODE". It is organized by the Department of Computer Science and Engineering at CMR Technical Campus. The instructor is Mr. Sai Satish (CEO, Indian Servers). The workshop is scheduled for 9-10 Nov 2021 at CMR Technical Campus. A registration fee of Rs 500/- is mentioned. The poster also lists coordinators J Narasimha Rao and V Naresh Kumar, and a student coordinator Manoj. Contact information and social media links are provided at the bottom.

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WORKSHOP ON NO CODE

Organized by
Department of Computer Science and Engineering

INSTRUCTOR:
Mr. Sai Satish (CEO, Indian Servers)

Certificate will be Provided

9-10 NOV, 2021
CMR TECHNICAL CAMPUS

Registration Fee
Rs 500/-

Coordinators: J Narasimha Rao | V Naresh Kumar
Contact : +91 9866898043
Student Coordinator: Manoj (9154313796)

[www.cmrtc.ac.in](#)





DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

IPR Awareness Program

STUDENTS OF CMR Technical Campus, CSE Dept Hyderabad has successfully participated in IP Awareness/Training program under

NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION ON MARCH 10,2022 ORGANIZED BY INTELLECTUAL PROPERTY OFFICE, INDIA



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CSE Induction Program

CSE Induction Program Session conducted by Sri. Bhubesh Kumar,
Director (Food & Agri research & innovation circle) and

Ms Manisha Krishnapurkar (Trainer, counsellor& administrator)





DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

PROJECT EXPO

Objective:

B. TechIV -Year Students of CSE Dept.

Demonstrating their Projects Execution to the Students of B.Tech I Year.





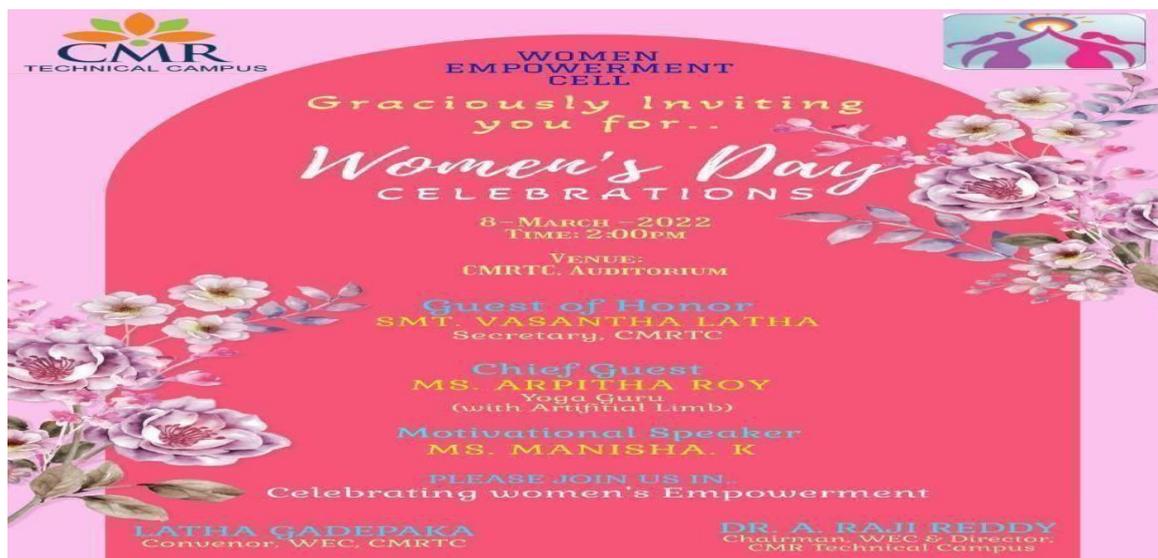
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

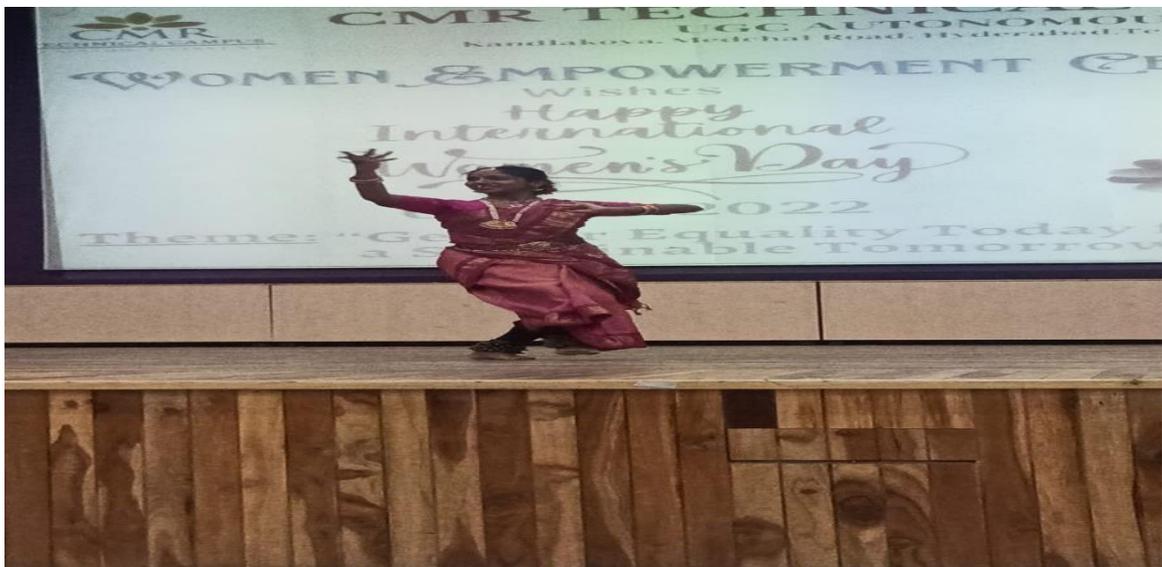
Women's Day Celebrations

Name of the Event:

International Women's Day Celebrations

Women Empowerment Cell (WEC) of CMR Technical Campus





DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

MOUs



For an institute to explore happenings around the world technologically and to update its student and faculty fraternity, it is very much necessary to proceed with collaborations and Memorandum of Understandings [MoUs] and Associations [MoAs], even all such programs where international exposure has become obligatory. CMR Technical Campus has always been proactive in signing MoUs with national and global institutions/ universities/ Corporations in the nature of Training, Certification, Joint research, Student exchange, Faculty development programs, Conference & Webinars. CMRTC is currently executing 50+ active MoUs with different organizations of National & International repute.



ARTIFICIAL INTELLIGENCE MEDICAL AND
ENGINEERING RESEARCHERS SOCIETY

ARTIFICIAL INTELLIGENCE MEDICAL AND ENGINEERING
RESEARCHERS SOCIETY

is delighted to Certify that

CMR Technical Campus

(Autonomous)

Kandlakoya (V), Medchal Road, Hyderabad
is Institution member

Membership ID : INS1002

- Purpose of this membership is to promote research activities among members on medical domain
- Any medical data shared to Institution should be not be misused and bound to Indian laws
- Should be HIPAA compliant while store, process, retrieve or dealing medical data
- Should follow guidelines provided by Ethical Committee
- **Compliance with Policies.** Member agrees to abide by, and shall have all applicable rights and obligations as set forth in, the Bylaws, AIMER Society Intellectual Property Rights Policy (the "IPR Policy"), the Privacy Policy, and any and all additional policies and procedures adopted by AIMER Society, as any of these may be amended from time to time, all of which are hereby incorporated by reference (the "AIMER Society P&Ps").
- Compliance with Laws. Anything contained in this Agreement to the contrary notwithstanding, the obligations of AIMER Society and Member shall be subject to all laws, present and future, of any government having jurisdiction over AIMER Society and Member including, It is the intention of AIMER Society and Member that this Agreement and all referenced documents shall comply with all applicable laws and regulations.

Valid from Nov-2021 to Nov-2022

Place : Hyderabad, Telangana

Sai Satish
President,
AIMER Society



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(Sponsored by CMR Technical Education Society)
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Approved by AICTE, New Delhi and JNTU, Hyderabad

ESTD: 2009



MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (herein after referred to as MoU) is entered into on 12th June, 2020

BETWEEN

CMR TECHNICAL CAMPUS located at Kandlakoya(V), Medchal Road, Hyderabad- 501401, Telangana (herein referred as "CMRTC") established under the laws of Govt. of Telangana, India and shall include its lawful representatives and permitted assigns.

AND

ORBIT SHIFTERS INDIA PVT LTD located at #742, Opposite to Indian Public School, OU Colony, Manikonda, Hyderabad - 500008, (herein referred as "ORBIT SHIFTERS") established under the laws of _____, India and shall include its lawful representatives and permitted assigns.

(CMRTC and ORBIT SHIFTERS are hereinafter jointly referred to as "Parties" and individually as "Party")

WHEREAS:

- a) CMRTC is a Higher Educational Institution established under CMR Technical Education Society.
- b) CMRTC & ORBIT SHIFTERS believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- c) ORBIT SHIFTERS intent to cooperate and focus their efforts on cooperation within establishing **Center of Excellence** and be an effective **Knowledge Partner** in Education and Research on Artificial Intelligence for CMRTC.

Kandlakoya (V), Medchal Road, Hyderabad, Telangana - 501401
Ph.No: 9247033440/41; www.cmrtc.ac.in

- d) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interests.
- e) Orbit Shifters is engaged in Business, Skill Development and R&D Services in the fields of Artificial Intelligence and related fields.
- f) Orbit Shifters also has its headquarters at #12204, Lake Street Ext, Minnetonka, MN, 55305.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERE TO AGREE AS FOLLOWS:

ARTICLE - I: COOPERATION

This MoU details the modalities and general conditions regarding collaboration between CMR TECHNICAL CAMPUS and ORBIT SHIFTERS INDIA PVT LTD for enhancing the following in the field of Artificial Intelligence:

1. Establishment of Center of Excellence at CMR Con Artificial Intelligence by ORBIT SHIFTERS.
2. ORBIT SHIFTERS shall be the prestigious knowledge partner on Artificial Intelligence with CMRTC

These would be undertaken without any prejudice to prevailing rules and regulations in CMRTC and ORBIT SHIFTERS, without any disregard to any mechanism evolved and approved by the competent authorities under Govt of India in so far such mechanism applies to CMRTC and ORBIT SHIFTERS. The areas of cooperation can be extended through mutual consent.

ARTICLE - II: SCOPE AND TERMS OF INTERACTIONS

CMRTC and ORBIT SHIFTERS shall encourage interactions between the Engineers, Scientists, Research Fellows, Faculty members and students/trainees of both the organizations through the following arrangements:

1. ESTABLISHMENT OF ORBIT SHIFTER'S CENTER OF EXCELLENCE ON ARTIFICIAL INTELLIGENCE AT CMRTC

Objective:

To set up a **Center of Excellence** for **Artificial Intelligence** at CMRTC.

Interactions:

- a) CMRTC will provide necessary space to set up a Center of Excellence at its campus.
- b) Operations of CENTER OF EXCELLENCE shall be handled by the respective personnel of ORBIT SHIFTERS along with CMRTC respective personnel upon training.

2. ORBIT SHIFTERS TO BE CMRTC'S KNOWLEDGE PARTNER

Objective:

ORBIT SHIFTERS shall partner with CMRTC as an effective knowledge partner.

INTERACTIONS:

- a) ORBIT SHIFTERS will give valuable inputs to CMRTC in teaching / training methodology and suitably customize the curriculum about Artificial Intelligence so that the students fit into the industrial scenario meaningfully.
- b) ORBIT SHIFTERS shall up-grade the skill sets of faculty members and Students of CMRTC by training.
- c) ORBIT SHIFTERS shall promote Research and Development and Innovation among the students and Faculty members of CMRTC on Artificial Intelligence.
- d) ORBIT SHIFTERS shall train the students of CMRTC to improve employability.
- e) ORBIT SHIFTERS shall render internships and Projects to Students and Faculty members of CMRTC.
- f) ORBIT SHIFTERS shall extend the necessary support to deliver guest lectures to the students of CMRTC on the technology trends and in house requirements.
- g) ORBIT SHIFTERS shall train the Faculty members of CMRTC for imparting training as per the industrial requirement considering the National Occupational Standards in concerned sector, if available.

ARTICLE - III: SHARING OF FACILITIES

- a) CMRTC and ORBIT SHIFTERS shall make provisions to share their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation.
- b) CMRTC and ORBIT SHIFTERS shall permit the sharing of software and other materials and components developed in-house in the areas of cooperation, if permissible within the rules governing the two organizations. However, responsibility for safety of software and other materials during the exchange will rest on the Concerned CMRTC and ORBIT SHIFTERS Directors.

ARTICLE -IV: CO-ORDINATION OF PROGRAMME INCLUDING FINANCIAL ARRANGEMENTS

- a) The collaborative programme between CMRTC and ORBIT SHIFTERS shall be coordinated by a coordination committee appointed by Directors of both the organizations.
- b) Financial arrangements for each specific collaboration will be decided on a case-to-case basis and will be brought on record each case after due approval from Heads of both the organizations.

ARTICLE – V: EFFECTIVE DATE OF DURATION OF MoU

- a) This MoU shall be effective from the Date of its approval by competent authorities at both ends.
- b) The duration of MoU shall be for a period of 2 years from the effective date.
- c) During its tenancy, the MoU may be extended or terminated by a prior notice of not less than 6 months by either party. However, termination of the MoU will not in any manner affect the interests of the students/faculty/scientists who have been admitted to pursue a programme/training under the MoU.
- d) Any clause or article of the MoU may be modified or amended by mutual agreement of CMRTC and ORBIT SHIFTERS.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Alumini

Alumini Interaction with Students



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Sports & Events



Vice President of Hyderabad Runners Association Felicitated Mr. L. Nithin Chandra Student of CMRTC with the 1st Runner-up Medal and memento for 10km Marathon conducted on 20th March 2022



Dr A Raji Reddy, Director and V Yugendar Reddy, Physical Director Congratulated the Runner-up Mr L Nithin Chandra, B.Tech CSE I Year



Shot on OnePlus
By VSS

