

AI INSIGHTS



2022-23
DEPARTMENT OF CSE (AI&ML)
NEWSLETTER



DEPARTMENT OF CSE (AI & ML)

News Letter A.Y 2022-23

CMRTECHNICALCAMPUS

UGCAUTONOMUS

Kandlakoya (v), Medchal Road,
Hyderabad-501401 Permanently
Affiliated to JNUH, Accredited by NBA,
Approved by AICTE, New Delhi, NAAC-A,
Nirf

Message form 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 70acres on Medchal Road, Hyderabad. Currently under C M R Group of Institutions, which was established in theyear2002, have04 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. 20years 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 over18000 Engineers and 4500 Managers and 1200 Pharmacists. As the Tag line 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

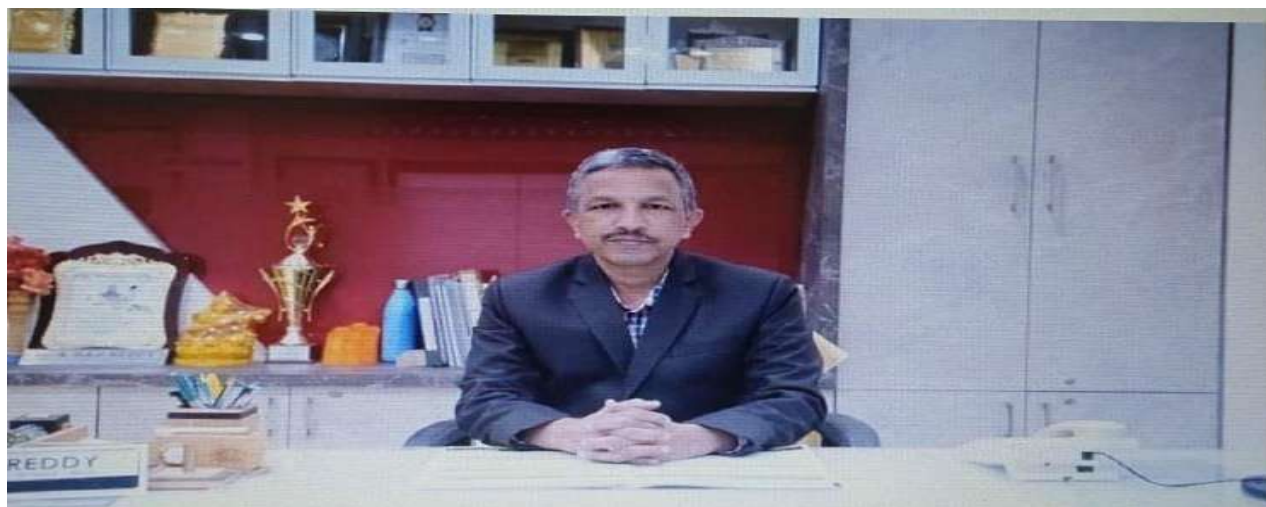
Secretary

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.

About Director



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 **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. 90Lakhas 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, Bio mass 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.

About Dean Administration



Dr. M. Ahmed Ali Baig

Professor & Dean Administration

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, NSFMFP 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.

About Dean Academics



Dr. D.T.V. Dharamajee Rao

Professor & Dean Academics

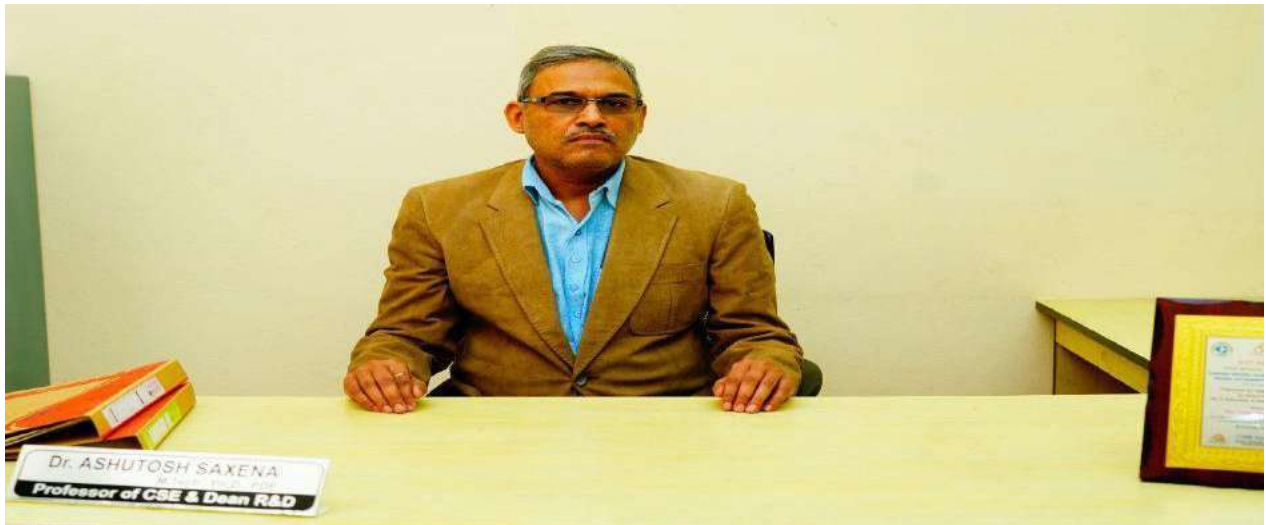
Dr. D.T.V. Dharamajee Rao is currently working as Professor in the Department of Computer Science and Engineering and Dean (Academics) at CMR Technical Campus, Kandlakoya (V), Medchal Road, Hyderabad-501401. He received B.Tech. degree in Computer Science and Engineering in 1993 and M.Tech. degree in Computer Science and Technology in 2001 from Andhra University Visakhapatnam and Ph.D. degree in Computer Science and Engineering on the topic “Computational Acceleration of Deep Neural Network Training Algorithm for Data Classification” in 2020 from JNT University, Kakinada, Andhra Pradesh.

He has over 26 years of teaching experience. During his teaching career, he taught various subjects like AIML, Data Mining, Computer Networks, Database Management Systems, Operating Systems, C, C++, and JAVA Programming, etc.

He got published more than 24 papers in National, International Conferences and Journals. His current Research interests include Artificial Intelligence, Machine Learning, Deep Learning, Data Mining and High Performance Computing (OpenMP, MPI, PThreads, CBLAS, CUBLAS, and CUDA). He guided 38 B.Tech. Students Project Batches and 20 M.Tech. Students. He played active role in organizing a couple of FDPs, seminars and conferences in the field of Computer Science and Engineering, convened various technical and cultural fests and annual day celebrations successfully. Further, he has actively monitored entire campus ICT Networking process for several years in previous organization.

He involved and played a key role in four cycles of NBA, two cycles of NAAC accreditation processes and also in two cycles UGC Autonomous status during his previous service. He is a paper setter for various private Engineering colleges. He is Life Member of various Professional bodies like ISTE (LM 55943), CSI (00174203), IE (I) (M-145250-3).

About Dean R & D



Dr. Ashuthosh 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 (TataMcGrawHill2004) 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 (tillSep.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, Queens land 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) plays 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 StartUps and Incubation Centre. He is assisted by R & D coordinators, one from each department.

About Dean Training & Placement



Dr. K. Srujan Raju

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 **20 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 every one 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 the 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 stake holders for achieving success.

About the Department-CSE(AI&ML)

CSE (Artificial Intelligence & Machine Learning) 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 along with emerging courses like Artificial Intelligence, Machine Learning and Deep learning. AI&ML students will learn about basic engineering techniques, which include Engineering Mathematics, Physics, Chemistry, Engineering Graphics and Programming for Problem Solving (C language) during First Year. In the second year, they are exposed to core computer science courses like data structures, Databases, Algorithms, Operating systems, Java, Python. In the third and final year, they will start learning emerging courses like Artificial Intelligence, Machine Learning, Soft computing, Natural Language processing, Deep Learning, Computer Vision, Cloud computing, Data Science, Social Network Analysis, NoSQL Data bases along with computer science courses. The Department adopted Outcome-Based Education (OBE) and has an adequate infrastructure with state-of-the-art laboratories and other supporting facilities to provide enhanced learning environment. The Department attracts the best of engineering aspirants from all over the country.

Milestones

- B.Tech CSE (AI&ML) started in 2020 with the intake of 180 seats.
- B.Tech AI&ML started in 2021 with the intake of 60 seats.
- B.Tech AI&ML increased intake to 120 seats in 2022.
- Received 32 lakhs fund from Department of Science & Technology(DST), Govt. of India.
- MoU with Artificial Intelligence Medical and Engineering Researchers Society.
- Centre of Excellence on AI&ML by Orbit Shifters.
- Dedicated state of the art laboratories.
- Digitally Equipped classrooms.
- Well qualified and trained faculty in emerging areas.

About Head of the Department



Dr. S Rao Chintalapudi

Professor & HoD CSE(AI&ML)

Dr. S. Rao Chintalapudi currently working as a Professor and Heading the department of CSE (Artificial Intelligence & Machine Learning). He received B.Tech degree from JNTU Hyderabad, M.Tech degree from JNTU Kakinada. He did his Ph.D– Full Time in Data Mining from JNTUK Kakinada under the guidance of Dr. M. H. M Krishna Prasad. His research areas are Data Mining, Social Network Analysis, Machine Learning, Deep Learning, Big Data Analytics and High Performance Computing. Presently, he is guiding one Ph.D scholar in the area of machine learning in e-commerce under JNTUK Kakinada. He is having over 12 Years of teaching experience. He published 17 publications in international indexed journals, Conferences and Book chapters. He is a member of Board of Studies in JNTUK Kakinada, BVC Engineering College Odalarevu, Ideal institute of Arts and Sciences Kakinada. He received a grant of 32 lakhs from the Department of Science & Technology (DST) as a Principal Investigator. He applied for 2 patents in the area of machine learning. Previously, he worked as a Head of AI and Deep Learning Research Group under leading india.ai project. He acted as a resource person for various workshops, FDPs and STTPs in institutes like MIT Manipal, CET Bhubaneswar, MIT Pune. He organized several guest lectures, workshops, FDPs in the areas like Big Data Analytics, High Performance Computing, Artificial Intelligence and Deep Learning. His teams selected for Smart India Hackathon Grand Finale three consecutive years i.e., 2018, 2019, 2020. He is a member of several professional bodies like IEEE, ACM, CSI, IAENG and soon. He was completed several online certification courses provided by Coursera, NPTEL such as Mining Massive Datasets, Social Networks, Introduction to Machine Learning, Deep Learning, Fundamentals of Deep Learning for Computer Vision and soon. He received Elite Academician award from AICTE, DST and Texas Instruments.

Vision of the Department

To develop competent and socially responsible engineers in the domain of Artificial Intelligence & Machine Learning for noteworthy contributions to the society.

Mission of the Department

- To educate the students in fundamental principles of computing and develop the skills needed to solve practical problems using contemporary computer-based technologies.
- To provide State-of-the-art computing laboratory facilities to promote industry-institute interaction to enhance student's practical knowledge.
- To Inculcate self-learning abilities, team spirit, and professional ethics among the students to serve society.

Program Educational Objectives (PEOs)

Sl.No.	Program Educational Objectives(PEOs)
PEO-01	Graduates will have the ability to adapt, contribute and innovate new systems in the key domains of Artificial Intelligence and Machine Learning.
PEO-02	Graduates will have the ability to pursue higher education in reputed institutions with AI Specialization.
PEO-03	Graduates will be ethically and Socially responsible solution Providers and entrepreneurs in the field of Computer Science and Engineering with AI&ML Specialization.

Program Outcomes (POs)

Sl.No.	Program Outcomes(POs)
PO-01	Engineering Knowledge: Apply the knowledge of Mathematics, Science, Engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO-02	Problem Analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of Mathematics, Natural Sciences, and Engineering Sciences.
PO-03	Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified

	needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO-04	Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO-05	Modern Tool Usage : Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO-06	The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the Consequent responsibilities relevant to the professional engineering practice.
PO-07	Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of ,and need for sustainable development
PO-08	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice
PO-09	Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO-10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to Comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO-11	Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO-12	Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

Sl.No.	Program Specific Outcomes(PSOs)
PSO-01	Apply the fundamental knowledge for problem analysis andconductinvestigationsincomputerscienceengineeringforsustainabledevelopment.
PSO-02	Design and development of solutions by using modern software for the purpose of execution of the projects in specialized areas.
PSO-03	Inculcate effective communication and ethics for lifelong learning with social awareness

Faculty Details

Sl. No.	Emp. Id.	JNTU Reg. Id.	Name of Faculty	Designation	Highest Qualification
1	2161	6786-210812-154233	Dr. S Rao Chintalapudi	Professor &HOD	Ph.D
2	2151	9355-210503-092839	Dr. G VinodaReddy	Professor	Ph.D
3	2110	01150402-162427	Dr. K. Mahesh	Assoc. Prof.	Ph.D
4	2128	1195-160303-231436	Dr. Rafath Samrin	Assoc. Prof.	Ph.D
5	2209	6944-200915-120524	D Babu Rao	Assoc. Prof.	M.Tech, (Ph.D)
6	2143	7828-210304-111918	T. Deepika Roy	Asst. Prof	M.Tech
7	2130	1831-161216-113151	SK. Sharif	Asst. Prof	M.Tech
8	2139	3043-160224-115827	G. Parvathidevi	Asst. Prof	M.Tech
9	2159	9725-210407-100721	M. Ravindran	Asst. Prof	M.Tech
10	2156	3764-210401-110903	Syeda Sumaiya Afreen	Asst. Prof	M.Tech
11	2167	0445-211115-122915	KRM Nagendra Kumar	Asst. Prof	M.Tech
12	2168	6515-50404-51345	V. Ravinder Naik	Asst. Prof	M.Tech
13	2194	212604-21501	M. Sreenu	Asst. Prof	M.Tech
14	2193	0903-170213-140020	Srikanth shekka	Asst. Prof	M.Tech
15	2195	9764-150420-120719	B.Swaroop Rani	Asst. Prof	M.Tech
16	2197	8304-180717-122939	Hafeena Mohammad	Asst. Prof	M.Tech
17	2199	6380-150409-155153	B. Prashanth	Asst. Prof	M.Tech
18	2202	4710-220705-153009	Gangaram Goda	Asst. Prof	M.Tech
19	2210	3615-040712-0859	S Ramachandra Reddy	Asst. Prof	M.Tech
20	2216	9242-221213-150503	Gumpula Aravind	Asst. Prof	M.Tech
21	2212	1566-221215-175003	Yaramala Neeraja	Asst. Prof	M.Tech

22	2221	4851-160311-085551	Bushra Tarannum	Asst. Prof	M.Tech
----	------	--------------------	-----------------	------------	--------

Board of Studies (BoS)

Department of CSE (AI&ML)

S. No.	Name	Designation	Role
1	Dr. A. Raji Reddy	Director, CMR Technical Campus director@cmrtc.ac.in Ph: 9248727220	Special Invitee
2	Dr. S Rao Chintalpudi	Professor & Head, Dept. of CSE(AI&ML), CMR Technical Campus, Hyderabad. hod.aiml@cmrtc.ac.in Ph: 9014668066	Chairman
3	Dr. B. Sateesh Kumar	Professor of CSE, JNTUH College of Engineering, Jagtial. sateeshbkumar@jntuh.ac.in Ph: 9885165193	University Nominated Member
4	Dr. P. Radha Krishna	Professor of CSE, NIT Warangal, prkrishna@nitw.ac.in Ph:9704988816	Subject Expert
5	Dr. K. Srujan Raju	Professor & Head, Dept. of CSE, CMR Technical Campus, Hyderabad. hod.cse@cmrtc.ac.in Ph: 9246874862	Subject Expert
6	Dr. K. Srinivas	Professor & Head Dept. of DS, CMR Technical Campus, Hyderabad. hod.ds@cmrtc.ac.in Ph: 7660002211	Subject Expert
7	Dr. B. Kavitha Rani	Professor & Head, Dept. of IT, CMR Technical Campus, Hyderabad. hod.it@cmrtc.ac.in Ph: 9963302414	Subject Expert
8	Mr. K. Raja Sekhar	DDG, State Information Officer, Telangana & HOG Center for Data Governance, NIC, MeitY, Govt. of India sekhar@nic.in Ph: 8019994466	Industry Representative
9	Mr. K.V.N Dattu	Application Development, Senior	Alumnus

	(107R1A0525)	Analyst, Accenture, Hyderabad. kvn.dattu@gmail.com Ph: 8008700122	
10	Dr. M. Ahmed Ali Baig	Professor & Dean Academics, CMR Technical Campus dean.academics@cmrtc.ac.in Ph: 9886503510	Special Invitee

Department of AIML

S. No.	Name	Designation	Role
1	Dr. A. Raji Reddy	Director, CMR Technical Campus director@cmrtc.ac.in Ph: 9248727220	Special Invitee
2	Dr. S Rao Chintalpudi	Professor & Head, Dept. of CSE(AI&ML), CMR Technical Campus, Hyderabad. hod.aiml@cmrtc.ac.in Ph: 9014668066	Chairman
3	Dr. K Suresh Babu	Associate Professor, CSE, School of Information Technology, Ph: 9949886161	University Nominated Member
4	Dr. P. Radha Krishna	Professor of CSE, NIT Warangal, prkrishna@nitw.ac.in Ph:9704988816	Subject Expert
5	Dr. K. Srujan Raju	Professor & Head, Dept. of CSE, CMR Technical Campus, Hyderabad. hod.cse@cmrtc.ac.in Ph: 9246874862	Subject Expert
6	Dr. K. Srinivas	Professor & Head Dept. of DS, CMR Technical Campus, Hyderabad. hod.ds@cmrtc.ac.in Ph: 7660002211	Subject Expert
7	Dr. B. Kavitha Rani	Professor & Head, Dept. of IT, CMR Technical Campus, Hyderabad. hod.it@cmrtc.ac.in Ph: 9963302414	Subject Expert
8	Mr. K. Raja Sekhar	DDG, State Information Officer, Telangana & HOG Center for Data Governance, NIC, MeitY, Govt. of India	Industry Representative

		sekhar@nic.in Ph: 8019994466	
9	Mr. K.V.N Dattu (107R1A0525)	Application Development, Senior Analyst, Accenture, Hyderabad. kvn.dattu@gmail.com Ph: 8008700122	Alumnus
10	Dr. M. Ahmed Ali Baig	Professor & Dean Academics, CMR Technical Campus dean.academics@cmrtc.ac.in Ph: 9886503510	Special Invitee

Laboratories

S.No.	Room No.	Name of the Lab	Lab Incharge
1	130	Data Structures Lab Operating Systems Lab	Mr. M. Ravindran
2	131	Java Lab Artificial Intelligence Lab	Miss. Syeda Sumaiya Afreen
3	132	Data Mining Lab R Programming Lab Database Management Systems Lab	Mr. S. Ramachandra Reddy
4	021	CN&WT Lab R Programming Lab Big Data Analytics Lab Software Testing Methodologies Lab Network Programming Lab Mobile Application Development Lab Scripting Languages Lab	Mrs. MD Hafeena
5	023	Python Programming Lab Database Management Systems Lab Operating Systems Lab	Mr. G Arvind

CSE(AI&ML) Fully Equipped Labs



Workshops/FDPs Organized

S. No	Workshop/FDP/Webinar Title	Date	Duration	Resource Person & Organization Name	Coordinators
1	One Day Workshop on “ Build a Machine Learning Model from Scratch”	04-06-2022	1 Day	Mr. Nitin Mishra 360 DigiTMG, Sr. Vice President Analytics at Innodatatics, Hyderabad	Mrs. T.L. Deepika Roy
2	Online Technical Quiz on Machine Learning	10-08-2022	1 Day	AI Club	Mrs. T.L. Deepika Roy
3	Session on “How to Protect Innovation using IPR”	23-08-2022	1 Day	Dr S Rao Chinthalapudi, CMRTC	Mrs G Parvathi Devi
4	Session on “Session with Innovation and Startup Ecosystem Enablers from the State Level	24-08-2022	1 Day	P Ashish Kumar, Manager-Technology & Innovation AIC-CCMB	Mrs. Rafath Samrin
5	One Day Handson Workshop on Data Analytics using R	30-08-2022	1 Day	Dr S Rao Chinthalapudi, CMRTC	Mrs. T.L. Deepika Roy
6	One day workshop on Machine Learning with python	18-10-2022	1 Day	Pantech e Learning	Mrs. T.L. Deepika Roy
7	Induction programme Industry Expert Talk	04-11-2022	1 Day	Mr. Vijay Yalamuri, Software Architect, CAPGEMINI	Mrs. Dr. Rafath Samrin Mr. M. Ravindran
8	Online awareness programme on intellectual property rights (IPR)	18-11-2022	1 Day	Ms. A. Hima Bindu, Managing Director, Noval Patent Services	Mrs. Dr. Rafath Samrin Mr. B. Prashanth
9	Online session on Internship Opportunities @ CodeTantra	24-11-2022	1 Day	Mr. Ravi Shankar Chilmakuri, CEO & Co-founder CodeTantra	Ms. Syed Sumaiya Afreen

10	Motivational session by Successful innovators	25-11-2022	1 Day	Mr. Am Govind Kumar, Founder & CEO SeaportAI	Mrs. Rafath Samrin Mr. B. Prashanth
11	Guest Lecture on Drone Technology & Innovation	02-01-2023	1 Day	Javvadi Venkat, NGAGE Technovations	Dr. G. Vinod Reddy
12	Techgenix 2K23 – Paper Presentation	09-01-2023	1 Day	CSE (AI&ML)	Dr. G. Vinoda Reddy & Dr. K. Mahesh
13	National Youth Day Celebrations	12-01-2023	1 Day	Essay writing and online Quiz for students	Dr. Rafath Samrin & B. Prashanth

Faculty Patents

S. No.	Title	Appciation No.	Faculties
1	Detecting and Monitoring/ Controlling sound pollution by making use of Machine Learning	202241035708	1. Dr. S Rao Chintalapudi 2. Mr. Ravindran M 3. Mr. V Ravindernaik
2	Autonomous Vehicle Control(AVC): A System to prevent Accidents in the context of Autonomous Vehicle	202241058757	Dr. G Vinoda Reddy
3	Design and Implementation of Smart card based automobile parking system using RFID Reader	202341002755	Dr. G Vinoda Reddy
4	Artificial Intelligence and Machine Learning to secure IOT in industrial Environment	202241070205	Swaroop Rani B
5	A Bio-Information Data Transferring System Based on Multiple BlockChains and Method thereof	202241027781	Swaroop Rani B

Professional Body Memberships

Sl. No.	Name of the Faculty	Designation	Professional Body Memberships
1	Dr.S Rao Chintalapudi	Professor & HoD	LM-CSI, LM-ISTE
2	Dr. G. Vinoda Reddy	Professor	LM-ISTE
3	Dr.Rafath Samrin	Associate Professor	LM-ISTE

4	Dr. K. Mahesh	Assistant Professor	LM-ISTE
5	Mrs. T. L. Deepika Roy	Assistant Professor	LM-ISTE
6	Sk.Sharif	Assistant Professor	LM-ISTE
7	Mr. Ravindran M	Assistant Professor	LM-ISTE
8	B. Swaroopa Rani	Assistant Professor	LM-ISTE

MOOCS Courses:(NPTEL/Coursera)

Faculty

S. No.	Name of Faculty	Platform	Course Title
1	Dr. S Rao Chintalapudi	NPTEL	1. Distributed Systems 2. Natural Language Processing
2	Dr. G vinoda Reddy	NPTEL	Introduction to Machine Learning
3	Mahesh Kotha	NPTEL	1. Introduction to Machine Learning 2. Distributed Systems
4	Mr. Ravindran M	NPTEL	Ethical Hacking
5	Badam Prashanth	NPTEL	Distributed Systems
6	Swaroopa Rani B	NPTEL	Introduction to Machine Learning
7	G Parvathi Devi	NPTEL	1. Introduction to Machine Learning 2. Distributed Systems
8	Md. Hafeena	NPTEL	Introduction to Internet of Things

Students

S. No.	Name of Student	Platform	Course Title
1	Govula Lokesh	Coursera	Google Data Analytics
2	Ramya Annaboina	Coursera	1. Google Data Analytics 2. From data to

			insights with google cloud
3	Anusha Nampally	Coursera	From data to insights with google cloud
4	Ramya Annaboina	MS Azure	Azure AI Fundamentals
5	Guggila Sandeep	MS Azure	Azure AI Fundamentals
6	1. Ramya Annaboina 2. Nampally Anusha	Infosys Spring Board	Python data structures and Algorithms

“85 Students have Successfully Completed Google Cloud Certifications”

Faculty Publications

SI. NO	Name Of The Authors	Title of the Paper	Name Of The Journal	Volume No.Issue No.	Page no	Month&Year of Publications
1	D Hemanand, G.Vinoda Reddy , S. Sathees babu, Kavitha Rani Balmuri , T.Chitra, S.Gopalakrishnan	An Intelligent intrusion Detection and Classification System using CSGO-LSVM model for Wireless Sensor Networks	IJISAIE	Vol No. 10, no. 3,	pp. 285–293	Oct 2022
2	G.Vinoda Reddy , SreedeviKadiyala , ChandraSrinivasan Potluri, P. ShanthiSaravanan , G.Athisha , M.A.Mukunthan, M.Sujaritha	An Intrusion Detection Using Machine Learning Algorithm Multi-Layer Perceptron (MIP): A Classification Enhancement in Wireless Sensor Network (WSN)	IJRITCC	ISSN: 2321-8169 Volume: 10 Issue: 2s	pp. 139-145	November 2022
3	Annapurna Gummadi, Dr.GangoluYedukondalu, G Vinoda Reddy , Ravindra Changala, Ch Swetha,	A Novel Prediction Model to Analyze Evolutionary Trends and Patterns in Forecasting of Crime Data Using Data Mining and Big Data Analytics	Mukt Shabd Journal	Volume XI, Issue X, ISSN NO : 2347-3150	pp 703 t0713	OCTOBER/2022

4	G. Vinoda Reddy ,Sreedevi Kadiyala,Dr.Chandra Srinivas Potluri,,P. Shanthi Saravanan,G.Athisha,M.A.Mukunthan, M.Sujaritha	An Intrusion Detection Using Machine Learning Algorithm Multi-Layer Perceptron (MIP): A Classification Enhancement in Wireless Sensor Network (WSN	IJRITCC	Volume: 10 Issue: 2s	PP2321-8169	December 2022
5	G.Vinoda Reddy , Bodla Kishor , G.Parvathi Devi , Kovuri Praveen Kumar , Annapurna Gummadil	BRAS : Development of Prototype Cloud Model for Failure Recovery Management by Using Backup Resource Allocation Strategy”	IJSRST	Volume 9, Issue 3	Page Number : 61-72 ISSN: 2395-6011	JUNE 2022
6	Manthandi Periannasamy, ChitraThangave,SahukarLatha, G.VinodaReddy ,S.Ramani, SiChandline, S.Gopalkrishnan	Analysis of Artificial Intelligence Enabled Intelligent Sixth Generation (6G) Wireless Communication Networks”	ICDSIS	-	-	OCT 2022
7	H. Vinoda Reddy , M. Sreenu Naik , G Parvathi Devi , Arfa Mahavish	Implementation of Prediction Model for Medical Diagnosis of Breast Cancer Using Machine Learning Algorithms and Classification Techniques.	IJIRT	Volume 9 Issue 1 ISSN: 2349-6002	3. p 789-795.	JUNE22
8	VinodaReddy , KavithaThandapani, N.C.Sendhilkumar, C. Senthilkumar, S.V.Hemanth,S. Manthandi Periannasamy, D.Hemanand	Optimizing QoS-Based Clustering Using a Multi-Hop with Single Cluster Communication for Efficient Packet Routing	IJEER	Volume 10, Issue 2	Pages 69-73	NOV 22
9	Vinoda Reddy , Ch. Rekha, M.Sreenu Naik , Ms.Syeda Sumaiya Afreen	A Review on Machine Learning Algorithms and Classification Techniques in Diabetes Medical Diagnosis and Healthcare Systems	JETIR	Volume 9	2349-5162.	JUNE22

10	Dr .G.Vinoda Reddy, Mrs.Rafath Samrin, G.Lavanya, Aluri Gopi.	A Novel study on Cloud Computing Applications, Energy Efficiency Models, Security and privacy Issues	<i>IJAEMA</i>	Volume XIV, Issue V	0886-9367.	May 2022
11	Venubabu Racapudi,K.Subba Rao,T.Subha Mastan Rao,P.Dileep T.L.Deepika Roy	Diabetic retinopathy detection by optimized deep learning model	<i>Springer</i>	-	-	May 2022
12	Dr.sunitha Gurram, Swarooparani B ,Dr.shankar nayak Bhukya, Hafeena Mohammad ,Hitesh sai vittal R	Political Optimizer based Automated machine Learning for Skin Lesion Data	<i>ICACECS</i>	-	-	AUG2022
13	Vangala Swathi,Anusha S D, Dr.Mahesh Kotha ,S Radhika.	Bigdata Framework for Effective Performance based Deep Reinforcement Learning in Cloud Environments	<i>IARJSET</i>	Vol 10,Issue1	2394-1588	Jan2023

Books and Book Chapters

Sl. No.	Name of the Authors	Book Name	Publication House	Volume No.Issue No.	Page no	Month&Year of Publications
1	R Dinesh Kumar, G Vinoda Reddy , S. Ravichand, B. Karthika, V. Murugesh	Book chapter in “Artificial Intelligence and Block chain in digital Forensics”	River Publisher	4th Chapter CNN classification approach to detecting abuse content in text message vol.no: 1 issue: 1	55-68	Feb 2023
2	Dr. G Vinoda Reddy , Deepti Kamidi, Ravindrachangala, Dr. Sudeepti G	“Big Data Analytics”	Scientific International Publishing House	Vol: 1 Issue: 1	278 Pages	March 2023

Faculty Achievements

S. No.	Faculty Name	Achievements
1	Dr. S Rao Chintalapudi	<ol style="list-style-type: none"> 1. Delivered Expert Lecture on Data Analytics using R in Avanti Institute of Engineering and Technology Vijayanagaram on 20-09-2022 2. Delivered Expert Session on Machine learning Project from Scratch in BVC Institute of Technology and Science, Amalapuram on 05-01-2023 3. Received Certificate of appreciation as ARIIA Coordinator, IIC from Director CMRTC.
2	Dr. G Vinoda Reddy	<ol style="list-style-type: none"> 1. Reviewer for “A Journal of Embedded systems and Application” River Publication 2022. 2. Reviewer for Current trends in Information Technology River Publication 2022. 3. Reviewer for Journal of Advancement in Robotics River Publication 2022. 4. Reviewer for Journal of Artificial Intelligence Research & Advances River Publication 2022. 5. Reviewer for International Journal of Image Processing and Pattern Recognition River Publication 2022. 6. Editor for STM Journal –Journal of Multimedia Technology and Recent Advancement. River Publication 2022.
3	Dr. K Mahesh	<ol style="list-style-type: none"> 1. Pre-eminent Researcher National Award 2022 from Chennai Teacher Council. 2. Award of Excellence in Research from Novel Research Academy, Puducherry
4	B Prashanth	<ol style="list-style-type: none"> 1. Appreciation Certificate from IIC. 2. IA Training Completed.

Research Grants

S.No.	Project Title	Grant From	Amount	Principal Investigator
1	“Creating awareness on Emerging Technologies Robotics, 3D Printing, Internet of Things IoT for School Children A Special focus on Medchal-Malkajgiri District of Telangana State.”	DST-NCSTC	32,99,338/- INR	Dr. S Rao Chintalapudi

MoUs

S. No.	Company / Industry	Year	Activities under MoU
1	EduSkills	2023	Industrial Center of Excellence and Skill Development
2	Pantech e Learning	2022	Skill Development, Certified Courses, Internship and Outcome based Trainings
3	Visual Path	2022	Educational Activities
4	Crypto University	2022	Educational Activities
5	AIMERS	2021	For Research Activities

Student Internships

S. No.	Roll No	Name of Student	Name of the Industry/ Research Lab	Duration
1	207R1A66A6	Govindu Abhiprakash	Campalin	05.07.2022 to 05.09.2022
2	207R1A6663	A. Tinu	All in one edutech	27.09.2022
3	207R1A6668	B. Sannihitha	All in one edutech	27.09.2022
4	207R1A6673	Dasyam Vedavyas	All in one edutech	27.09.2022
5	217R5A6616	Seelam Venkata Krishna Reddy	Feynn Labs Services	01.10.2022
6	207R1A6673	Laasya Kesanapalli	Tech Mahindra	26.10.2022
7	207R1A66F0	K. Sai Yugandhar	Raisonminds	01.10.2022
8	207R1A6649	Shubham Kumar	Wissen Infotech	08.09.2022
9	207R1A66G5	Pateel Shreshta Reddy	CollegeMait	26.10.2022
10	207R1A6603	Appam Sreenidhi	Rinex Technology	11.07.2022 to 18.09.2022
11	207R1A6604	Avadhutha Abhilash	Exposys Data Labs	12.08.2022 to 12.09.2022
12	207R1A6629	Kuchana Surya Kiran	Exposys Data Labs	29.08.2022 to 30.09.2022
13	207R1A6643	R Sai Teja	Exposys Data Labs	03.08.2022 to 03.09.2022

14	207R1A6648	Shivathmika Kalakuntla	Eduskills	10.08.2022 to 10.09.2022
15	207R1A6652	Sowmithri Madhava Charya	Exposys Data Labs	24.07.2022 to 24.08.2022
16	207R1A6655	Uradi Pranay	Exposys Data Labs	03.08.2022 to 03.09.2022
17	217R5A6603	Pittala Sai Prasad	Rinex Technology	11.07.2022 to 18.09.2022
18	217R5A6604	Parsa Harsha Vardhan	Exposys Data Labs	24.07.2022 to 31.08.2022
19	207R1A6664	Avuku Eshwar Sai	Rinex Technology	11.07.2022 to 18.09.2022
20	207R1A6694	Katipally Pranav Reddy	Shiga	02.08.2022 to 30.09.2022
21	207R1A6695	Katukojwala Sanjay	Login soft	01.08.2022 to 30.09.2022
22	207R1A66A9	Sai Tejaswini Parnapalli	Rinex Technology	11.07.2022 to 18.09.2022
23	207R1A66C1	Aakash Kulararni	Verzeo	03.09.2022 to 15.10.2022
24	207R1A66C2	Akella Raghavendra Sathwik	Techaura Pvt. Ltd	03.10.2022 to 31.10.2022
25	207R1A66C6	Ayush Shrivastava	ASG Tech Solutions India Pvt.Ltd	11.08.2022 to 14.10.2022
26	207R1A66D3	Devulapalli Srinidhi	Smart Knower	01.09.2022 to 30.10.2022
27	207R1A66D4	Dharamsoth Veeranna	Kaashive Info Tech	01.09.2022 to 30.10.2022
28	207R1A66D6	Gade Sai Dilip	Swecha	19.08.2022 to 19.09.2022
29	207R1A66D7	Ganga Sai Vamshi	Exposys Data Labs	09.08.2022 to 08.09.2022
30	207R1A66D8	Gontu Harshitha	Pantech E Learning	21.09.2022 to 21.10.2022
31	207R1A66E0	Gunti Bhmeshwar	Exposys Data Labs	02.10.2022 to 03.11.2022
32	207R1A66E1	Gurram Pavan Kumar	Teachnook	01.08.2022 to 30.09.2022
33	207R1A66E3	Jangiti Rahul	Gustovalley Technovations	01.10.2022 to 10.11.2022
34	207R1A66E4	Jettem Sai Teja	Techaura Pvt. Ltd	03.10.2022 to 31.10.2022
35	207R1A66E6	K Nikhil	Techaura Pvt. Ltd	03.10.2022 to 31.10.2022
36	207R1A66E7	K Vamshi Teja	Techaura Pvt. Ltd	03.10.2022 to 31.10.2022
37	207R1A66E9	Kailash Mali	Exposys Data	10.10.2022 to

			Labs	10.11.2022
38	207R1A66F1	Kandati Shiva Charan Reddy	Cisco Network Academy	28.09.2022 to 31.10.2022
39	207R1A66F5	Kunapareddy Yuva Sanjay Reddy	Hexagon Capability Centre	28.09.2022 to 31.10.2022
40	207R1A66F6	Kundrapu Sainihash	Verzeo	01.07.2022 to 01.09.2022
41	207R1A66F8	Mannem Badrinath Sai Reddy	Verzeo	01.07.2022 to 01.09.2022
42	207R1A66G0	Muthyala Rithin	Wipro	10.09.2022 to 01.11.2022
43	207R1A66G2	Nayan Vinod	EI Systems Services	15.07.2022 to 14.08.2022
44	207R1A66H1	Sammata Tulasi Vishnu Vardhan	Eduskills-AWS Academy	12.08.2022 to 12.09.2022
45	207R1A66H4	Sivanappolla Shashidhar	Teachnook	01.08.2022 to 30.09.2022
46	207R1A66H5	Syed Talha Ahmed	Techaura	03.10.2022 to 31.10.2022
47	207R1A66H6	Thanikonda Koushik	Linux World	01.07.2022 to 31.08.2022
48	207R1A66H7	Tirumani Vignesh	Teachnook	01.08.2022 to 30.09.2022
49	207R1A66H9	Vignesh Naidu	EI Systems Services	15.07.2022 to 14.08.2022
50	217R5A6618	Mittapally Vamshi Krishna	Teachnook	01.08.2022 to 30.09.2022

Students Achievements (Photo Gallery)



KESANAPALLI KEERTHI LAASYA

207R1A6627

**Selected as an intern in
Tech Mahindra**

DEPARTMENT OF CSE(AI&ML)



**Tech
Mahindra**

K.Sai Yugandhar(207R1A66F0)

**3rd year CSM C
Selected as intern for
Python Developer in
Raisonminds
SolutionsPvt.Ltd,
Hyderabad.**



Y. Shodhan (207R1A6660)

III CSM A

**Selected as intern in Being Zero Pvt. Ltd with the
Stipend of Rs. 20000 per month**



B. A. Srinivas (207R1A6605)

III CSM A

**Selected as intern in Being Zero Pvt. Ltd with the
Stipend of Rs. 20000 per month**



Academic Toppers- First place Bachu Nandini,



Academic Toppers- Second Place Kandi Karthik Reddy



Academic Toppers- Thired Place Singaraju Navya



Mr. Moiddudin Ahmed (217R1A7341) and Mr. K. Madhu (217R1A04G2) B.Tech II Year Students from Robotics Club Won first prize worth Rs. 1 lakh in ATMOS-2022, National Tech Expo held @ BITS PILANI, HYDERABAD CAMPUS



GS-MUN 2K23 conducted at Geethanjali college of Engineering and Technology: Sachin Kumbahat won the High Commendation



P.PAVAN KUMAR(207R1A66A6)

First prize-Shortfilm(Narcotic Drugs)

First Prize -Essay Writing (CyberSecurity)

VIGNAN 1.0



First prize-V.Venkata Bhargavi (207R1A66B8),

Second prize-T.Shivanand(207R1A66B3),Third prize-CH.B.Abhishekam(207R1A6671)

Winners of Technical Quiz on "Machine Learning"

Organized by AI CLUB



I Rahul -207R1A66E2 M.Sahith Reddy-207R1A66G1 K.Sai Yugandhar 207R1A66F0
**first prize in Technical Quiz conducted as part of
 Trenchantz 2K22**



V. SIRISHA 217R1A66C6
C. HARINI 217R1A6677

Winners of Paper Presentation
 Techgenix-2K23 on 09-01-2023





I Rahul -207R1A66E2 M.Sahith Reddy-207R1A66G1 K.Sai Yugandhar 207R1A66F0
**first prize in Technical Quiz conducted as part of
 Trenchantz 2K22**

P.Shreshta Reddy- (207R1A66G5)

I.Rahul- (207R1A66E2)

M.Sahith Reddy- (207R1A66G1)

S.Navya- (207R1A66H2)

G.AbhiPrakash - (207R1A66D9)

T.Koushik- (207R1A66H6)

Faculty advisor:

T.L Deepika Roy

*Project presentation in IIC Regional Meet
 held at Srinidhi Institute of Science
 and Technology.*



PROJECT TITLE: AI BASED INTERACTIVE ROBOT FOR ELDERLY CARE



Project Title:Automatic Number Plate recognition by using open cv

**Roshini(207R1A66F3), Spandana(207R1A66D2), Sai Yugandhar(207R1A66F0),
Kailash(207R1A66E9),Vishnu Vardhan Reddy(207R1A66H0), Shiva Charan(207R1A66F1)**
*Project exhibited at Medak collectorate as part of Intinta Innovator organized by Government of
Telangana*

Sports

Sports achievement form our department Boys and Girls in CMRTC Sports Kreedha Ranam 2K23

Basket Ball Winners



Cricket Winners



Foot Ball Runner-up



Volley Ball runners

Girls Throw Ball Runners



**Syed Talha (207R1A66H5), K. Sanjay (207R1A66F5)
K. Likith (207R1A6693)**

*Cricket Winners in National Level inter College Sports
Fest organized by KPRIT, Hyderabad*



P Harsha Vardhan (217R5A6604)

II CSM A

***Football Winners in SANGRAM 2022 organized by
HITAM, Hyderabad***

Students Extra Activities



G. CHIRUHAS

217R1A66F1

***Silver Medal[Karate] in
2nd International Martial Arts Championship-2022***

NSS & NCC Activities



CPR TRAINING TO NSS, NCC VOLUNTEERS

Organized by NSS, NCC Units of **CMRTC** in association with **CMR Hospital**



2-4 PM
18th March 2023



From the Editorial...

Greetings to all!,

The department is cheerful to present the second edition of the department of CSE (AI&ML) & AI&ML newsletter. It motivates, enlightens and enables the Student & Staff community to focus on their goals and achieve more. This issue explores the hidden talents, commitment, involvement and achievements of the Department Students and Staff Community in their Extra and Co-Curricular activities to the world.

The newsletter of the Department of CSE (AI&ML) & AI&ML covers the information about the Faculty Development Program, faculty achievement, student activities and events.

We look forward to your continued contribution and participation in this Newsletter. Your good ideas, comments or valuable suggestions about this Newsletter are welcome. This may lead to enhance the quality and professionalism of this newsletter in forth coming editions. Thank you for choosing and spending time with this newsletter. We hope, this Newsletter encourage you to conquer more in your field.

Editorial Board

S.No.	Name	Designation
1	Dr. S Rao Chintalapudi	Chief Editor
2	Mr. Ravindran M	Editor
3	Mr. G Arvind	Asst. Editor
4	Mr. P Pavan Kumar	Student Member