KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

NEWS LETTER

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VISION OF THE INSTITUTION

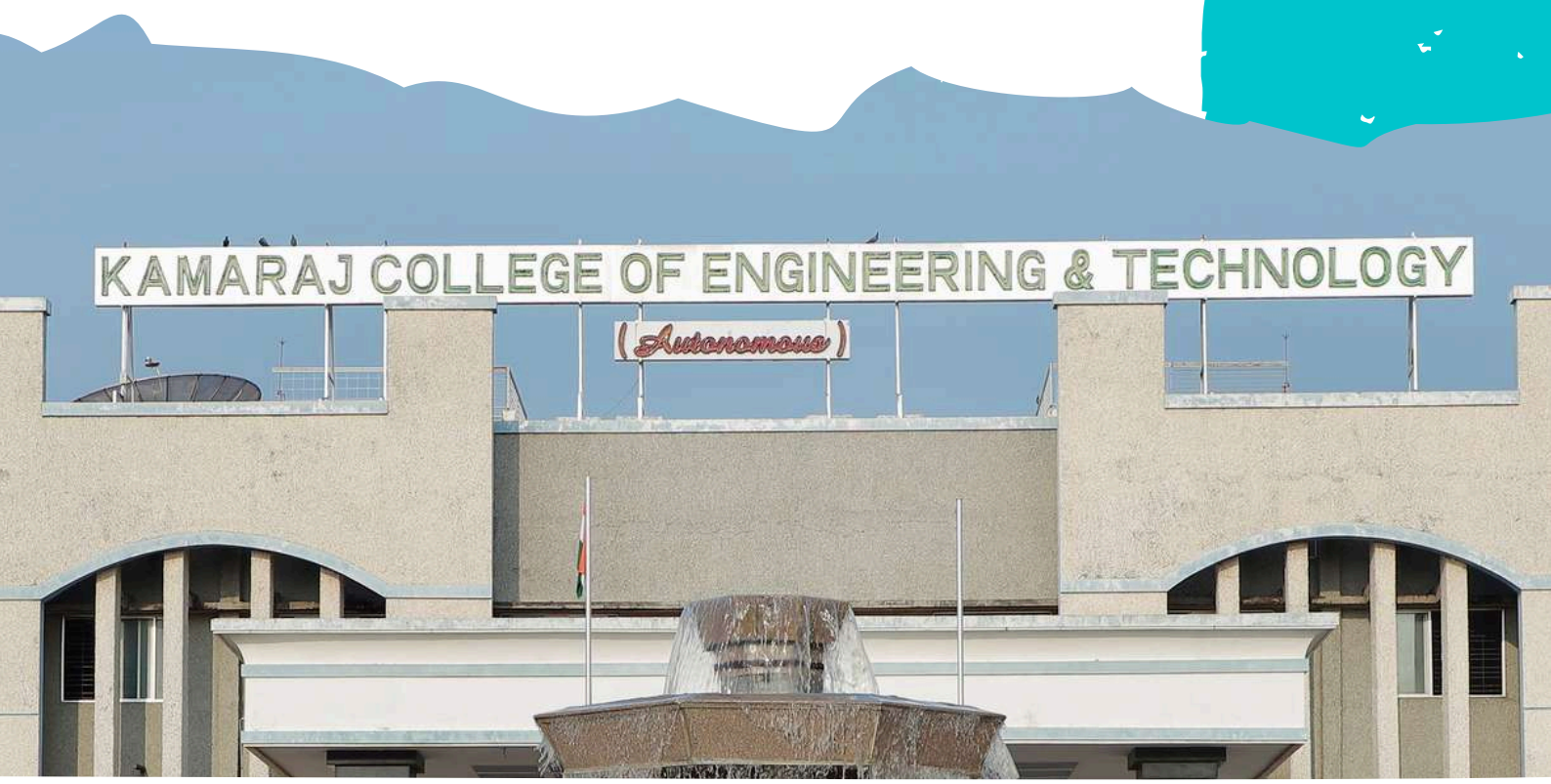
To make this institution unique in its field of research and development activities in this part of the world.

MISSION OF THE INSTITUTION

To impart highly innovative and technical knowledge to the urban and undeserved rural students through "Total Quality Education".

QUALITY POLICY

Committed to imparting quality technical education with proficiency, human values, and a commitment to continual improvement.



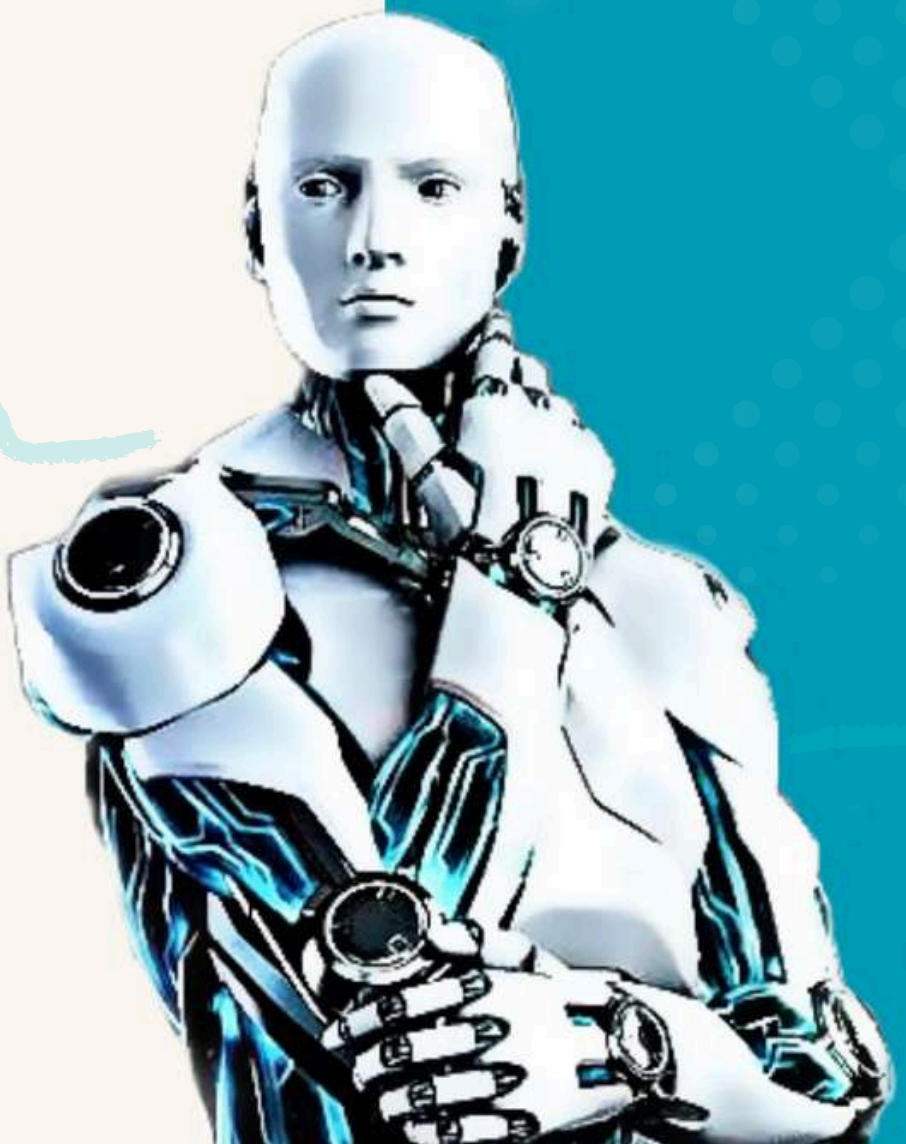
VISION & MISSION OF THE DEPARTMENT

VISION

To make the Department of Artificial Intelligence and Data Science the unique in its field of research and development activities in this part of the world.

Mission

To impart highly innovative and technical knowledge to the urban and undeserved rural students in Artificial Intelligence and Data Science through "Total Quality Education".



PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO -1 Apply the basic engineering skills and domain knowledge for developing effective computing solutions to address various social issues.

PEO -2 To have a successful career in technical / managerial roles in multi-disciplinary environment.

PEO -3 To address evolving technical challenges and problems in the areas of computing.

PROGRAM SPECIFIC OUTCOME (PSOs)

PSO -1 **Professional Skills:** To apply learned skills to build optimized solutions pertaining to Data Processing, Artificial Intelligence and Machine Learning

PSO -2 **Problem-Solving Skills:** To analyze data using domain knowledge to get insights and develop appropriate solutions

PROGRAM OUTCOMES(POS)

Engineering graduates will be able to

PO -1 **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO -2 **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO -3 **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 -4 **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 -5 **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 -6 **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 -7 **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 -8 **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO -9 **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.

ABOUT THE DEPARTMENT

The Department of **Artificial Intelligence and Data Science** (ADS) was established in the year 2020 with an intake of 60 students at Kamaraj College of Engineering and Technology with the goal of providing advanced education and research opportunities in the rapidly evolving fields of artificial intelligence (AI) and data science. The department provides a four-year B.Tech. programme in Artificial Intelligence and Data Science. Now with a revised intake of 120 students per year, our department remains a forerunner in imparting innovative and technical knowledge. This department is committed to delivering a comprehensive curriculum that includes both theoretical foundations and practical applications of AI and data science. It aims to foster an environment of innovation and excellence, supported by state-of-the-art infrastructure and experienced faculty.

MESSAGE FROM HOD

I am happy to note that the Department of Computer Science and Engineering is releasing its Newsletter enumerating the various activities and achievements of our faculty and students.

The department endeavors to produce confident professionals tuned to real time working environment. The department offers excellent academic environment with a team of highly qualified faculty members to inspire the students to develop their technical skills and inculcate the spirit of team work in them.

- Dr.A.Meenakshi

EVENTS ORGANISED

S.NO	DATE	EVENT TITLE	NAME OF THE PROFESSIONAL SOCIETIES/ BODIES/ CHAPTERS/ CLUBS	RESOURCE PERSON NAME
1.	09.02.2023	National level technical Symposium - KREATIV'23	CSI(Computer Society of India)	Mr.K.R.D.Venkatesh, Technical Staff, ZOHO Corporation. & Ms.S.Subanitha, Business Analyst, Tata Consultancy Services.

FACULTY ACHIEVEMENTS

S.NO	NAME OF THE FACULTY	NAME OF THE PROGRAMME	DATE	ORGANIZING INSTITUTION	PARTICIPATED/ PRESENTED/ RESOURCE PERSON
1	Dr. Praveen Kumar. P ASP/ADS	Emerging Trends in Machine Learning and Deep Learning Techniques	02.01.2023 to 06.01.2023	Madanapalle Institute of Technology	Participated

2	Mrs. R. Indhuja	Empirical Data Science and its Implications	03.01.2023 to 07.01.2023	Srinivasa Ramanujan Institute of Technology-Andra Pradesh.	Participated
3	Mrs. R. Indhuja	Emerging Trends in Intelligent Computing	14.03.2023 to 18.03.2023	Vellore Institute of Technology-Vellore	Participated
4	Mrs. K. Indhumathi	Universal Human Values-II	13.02.2023 to 18.02.2023	All India Council for Technical Education	Participated

STUDENTS ACHIVEMENTS

S.NO	STUDENT NAME	NAME OF THE EVENT	DATE	ORGANIZING INSTITUTION	AWARD
1	Roshan Kumar N K	Web Craft – National Level Technical Symposium	17.02.2023 to 18.02.2023	Mepco Schlenk Engineering College	II Prize
2	Roshan Kumar N K	Symposium-Buy beg borrow	24.01.2023 to 25.01.2023	Sethu Institute of Technology	II Prize

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