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

JANUARY 2024 - JUNE 2024
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CONTENTS

01 VISION & MISSION OF THE INSTITUTION

02 VISION & MISSION OF THE DEPARTMENT

03 PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

04 PROGRAM SPECIFIC OUTCOMES (PSOs)

05 ABOUT THE DEPARTMENT

06 EVENTS ORGANIZED

07 FACULTY ACHIEVEMENTS

08 STUDENT ACHIEVEMENTS

VISION OF THE INSTITUTION

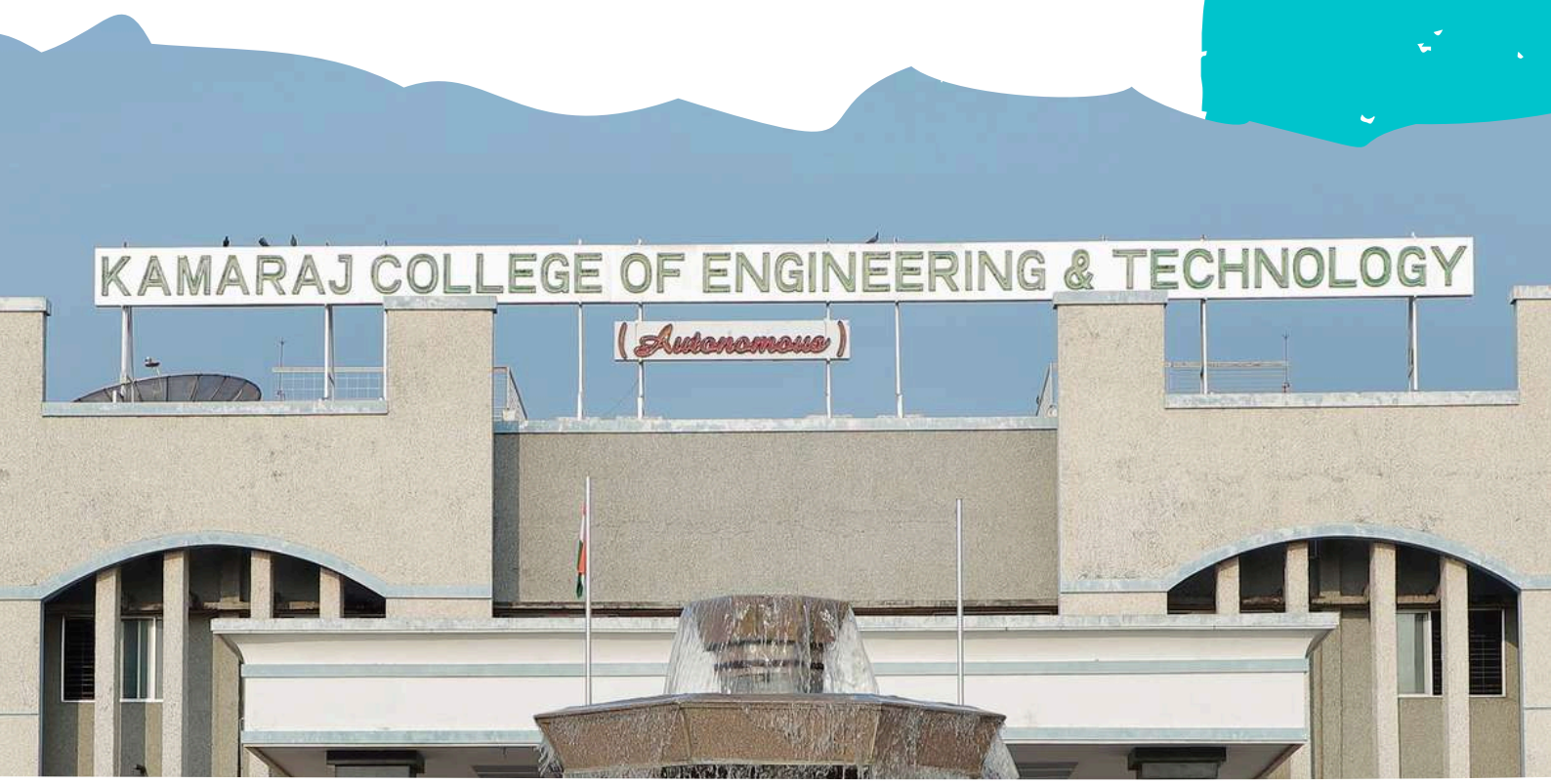
To make this institution unique in its field of research and development activities in this part of the world.

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.



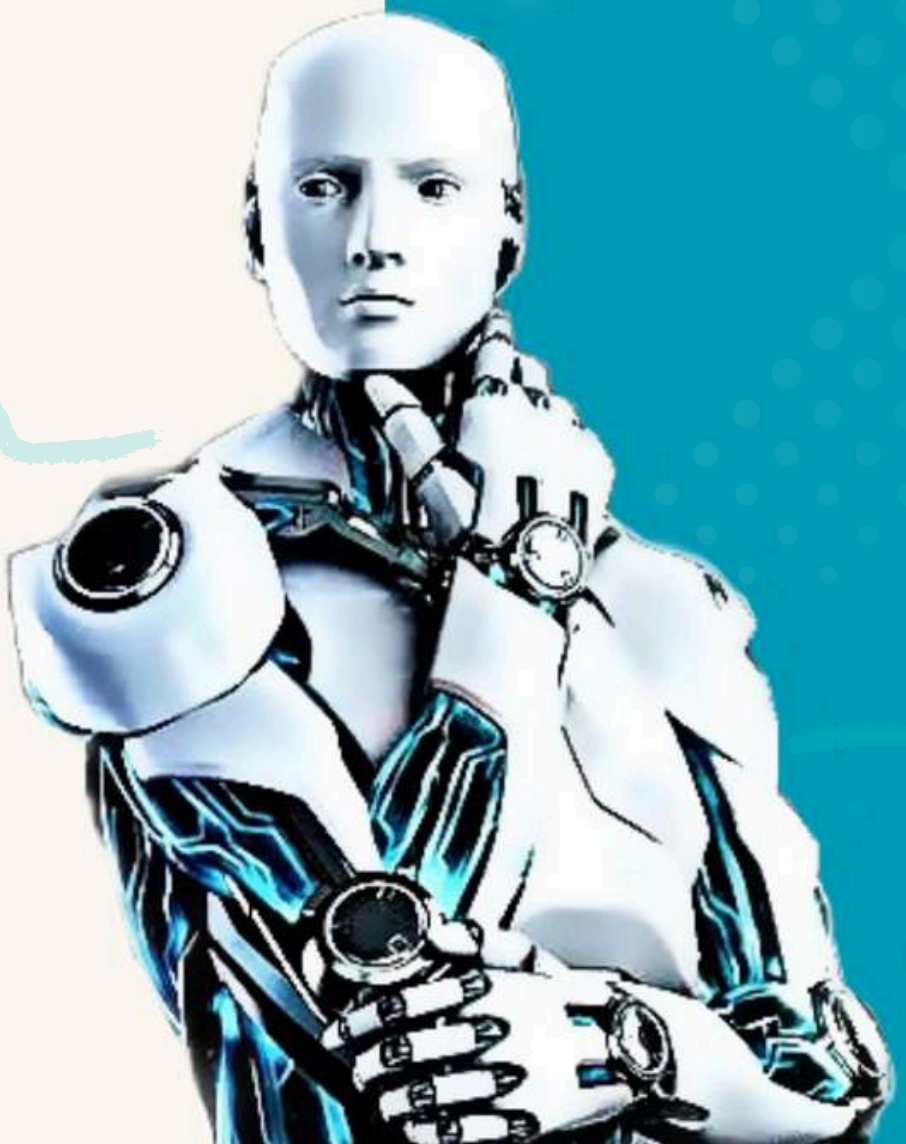
VISION & MISSION OF THE DEPARTMENT

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	01.02.2024	Inauguration of Microsoft Student's Club-2024	CSI(Computer Society of India)	Er.Shiek Syed, Product Engineer, Zoho Corporation
2	07.02.2024	Debug Fest	ISTE(Indian Society for Technical Education)	Mrs.B.Santhi Priya Mr.B.Muthukrishna Vinayagam Ms.S.Janani
3.	07.03.2024	One Day National Level Technical Symposium	CSI(Computer Society of India)	Mr.Siranjeevi Ramdoss, CEO, Pi-Bi Technologies, Madurai & Ms.M.Gowsalya, Technology Analyst, Infosys, Mysore
4.	15.03.2024	Alumni Interaction program on "Recent Technology Trends"	Association	Mr.A.Dinesh Senior QA Manager, Amazon, Bangalore.
5.	13.04.2024	One Day Seminar on "Cracking Complexity: Demystifying NP-Hard and NP-Complete Problems	CSI(Computer Society of India)	Mrs.R.Saraswathi Meena, Assistant Professor, Department of Applied Mathematics and Computational Science, Thiagarajar College of Engineering, Madurai.

One Day Seminar on “Cracking Complexity: Demystifying NP-Hard and NP-Complete Problems conducted by Mrs.R.Saraswathi Meena, Assistant Professor, Department of Applied Mathematics and Computational Science, Thiagarajar College of Engineering, Madurai.

FACULTY ACHIEVEMENTS

S.NO	NAME OF THE FACULTY	NAME OF THE PROGRAMME	DATE	ORGANIZING INSTITUTION	PARTICIPATED/ PRESENTED/ RESOURCE PERSON
1	Dr.R.Muthuselvi, AP/ADS	Curriculum Design for Developing job related competencies	09.01.2023 to 13.01.2023	NITTTR, Chandigarh	Participated
2	Dr. Praveen Kumar. P ASP/ADS	Artificial Intelligence and Machine Learning	12.02.2024 to 17.02.2024	Anna University, Chennai	Participated
3.	Mrs.V.Sangeetha ,AP/ADS	Emerging Technology in Artificial Intelligence	19.02.2024 to 24.02.2024	Jeppiaar Institute of Technology	Participated
4.	Mrs. R. Indhuja, AP/ ADS	Emerging Technology in Artificial Intelligence	19.02.2024 to 24.02.2024	Jeppiaar Institute of Technology	Participated

4.	Dr. Praveen Kumar. P ASP/ADS	Recent Trends in Artificial Intelligence	06.03.2024	Vellaichamy Nadar College	Resource Person
5.	Mrs. S.Nithya, AP/ADS	Prompt Engineering	01.04.2024 to 05.04.2024	Velammal College of Engineering and Technology	Participated

STUDENTS ACHIEVEMENTS

S.NO	STUDENT NAME	NAME OF THE EVENT	DATE	ORGANIZING INSTITUTION	AWARD
1	Siva Prakash R, Roshan Kumar N.K,Jeyadheesh N, Yuva Sri R, Harini R	Project Contest	27.03.2024	Kalasalingam University	Ist Prize Rs 50,000/-
2	Vino.R.C	Esums-Math Relay	26.03.2024 & 27.03.2024	Kalasalingam University	II Place - Cash Award Rs 5000/-

3	Syed Nazmudeen S	Digital Picasso	26.03.2024	Hindusthan Engineering College, Coimbatore	I Place - Cash Award Rs 700/-
4.	Jai Akash R	Technical Symposium - Paper Presentation	22.03.2024	Francis Xavier Engineering College	II Prize
5.	Fathima I	Prompt Engineering	22.03.2024 & 23.03.2024	National Engineering College, Kovilpatti	III Prize
6.	Naga Harish Kumar K	Technical Symposium - Paper Presentation	22.03.2024	Francis Xavier Engineering College	II Prize
7.	Rasha Afrin A	Technical Symposium - Paper Presentation	22.03.2024	Scad College of Engineering and Technology	III Prize
8.	Vino R.C	Techutsav-UI-Box	13.03.2024	Thiyagaraja College of Engineering	II Place - Cash Award Rs 1500/-
9.	Nithya Shree A	Techutsav-Capture the flag	13.03.2024	Thiyagaraja College of Engineering	Cash Award Rs 1000/-
10.	Naga Harish Kumar K	Techutsav-Capture the flag	13.03.2024	Thiyagaraja College of Engineering	Cash Award Rs 2000/-
11.	Jeyasowmiya R	Techutsav-Capture the flag	13.03.2024	Thiyagaraja College of Engineering	Cash Award Rs 1000/-

PLACEMENT DETAILS

S.NO	ROLL NUMBER	STUDENT NAME	COMPANY NAME
1	20UAD001	GOPIKRISHNAN P	Relevantz
2	20UAD002	JERALD JESUDASAN J	Skillmine
3.	20UAD003	SHIYAM SUNDAR G.S	SureSoft Systems
4.	20UAD004	JOESHIKA S	Vajra Global Services
5.	20UAD005	VETRIVENTHAN C	Nvent
6.	20UAD006	SHARVESH VISHNU K	Pesil Info
7.	20UAD008	SHRIDHARAN R.B	Pesil Info
8.	20UAD009	JANA SORUPAA J	Izapy
9.	20UAD011	YOKESH SHARAN K	Hexaware
10.	20UAD012	KAWSIGAN S	AAPGS
11.	20UAD013	VIGNESWARAN RK	Relevantz
12.	20UAD014	JAYANTHAN R	Chella Software
13.	20UAD016	VIKASH BHARATH A.B	Red Leaf Technologies
14.	20UAD017	ABHILAKSHMITHA P	Accenture
15.	20UAD018	VINOTH G	Zoho
16.	20UAD021	PREMKUMAR G	Sutherland Global Services

17.	20UAD023	YUVA SIVASAKTHI G	Selva Engineering and Automation
18.	20UAD025	SRIDEVI DHARSHINI K	Cloud SCS Technologies
19.	20UAD026	TILAK N.G	Coronis Ajuba
20.	20UAD027	VENKATESH M.S	Loveland Solutions
21.	20UAD030	SIVARANJANI M	Selva Engineering and Automation
22.	20UAD031	ARAVIND NARAYANAN G	Ifortis
23.	20UAD033	VENKATESH M	Vinisinfo
24.	20UAD034	SOWMIYA R	Prochant India
25.	20UAD035	RAGESH M	Softenger
26.	20UAD037	DHARESH KUMAR N.S	Pesil Info Sol
27.	20UAD040	SURYA A	Movate
28.	20UAD041	DHARSHINI S	Tech Mahindra
29.	20UAD042	JEEVARAJAN R	Relevantz
30.	20UAD043	VENKATESH P	Pesil Info Sol

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