

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

SEP 2024 & OCT 2024

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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.

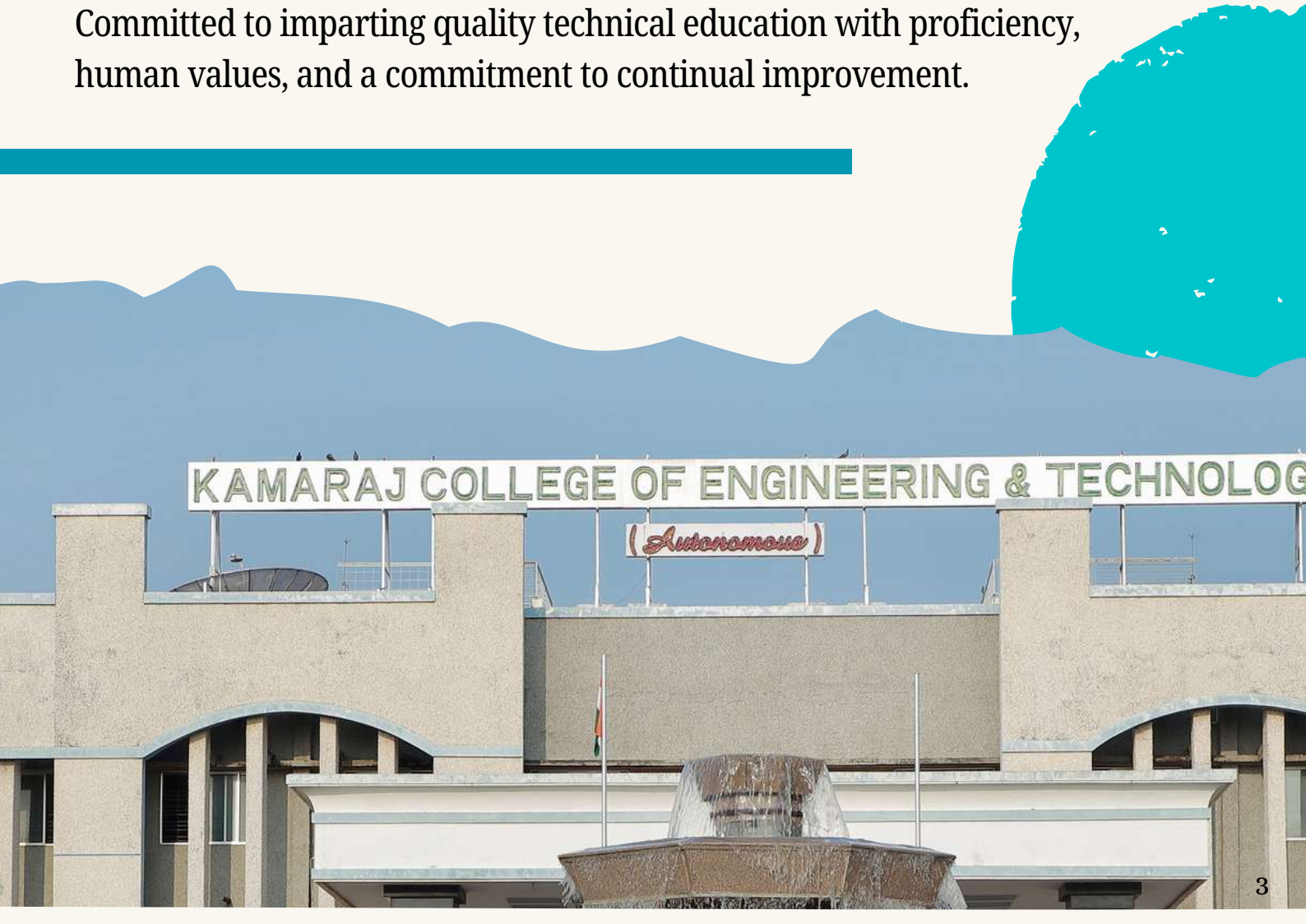


MISSION OF THE INSTITUTION

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

QUALITY POLICY

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



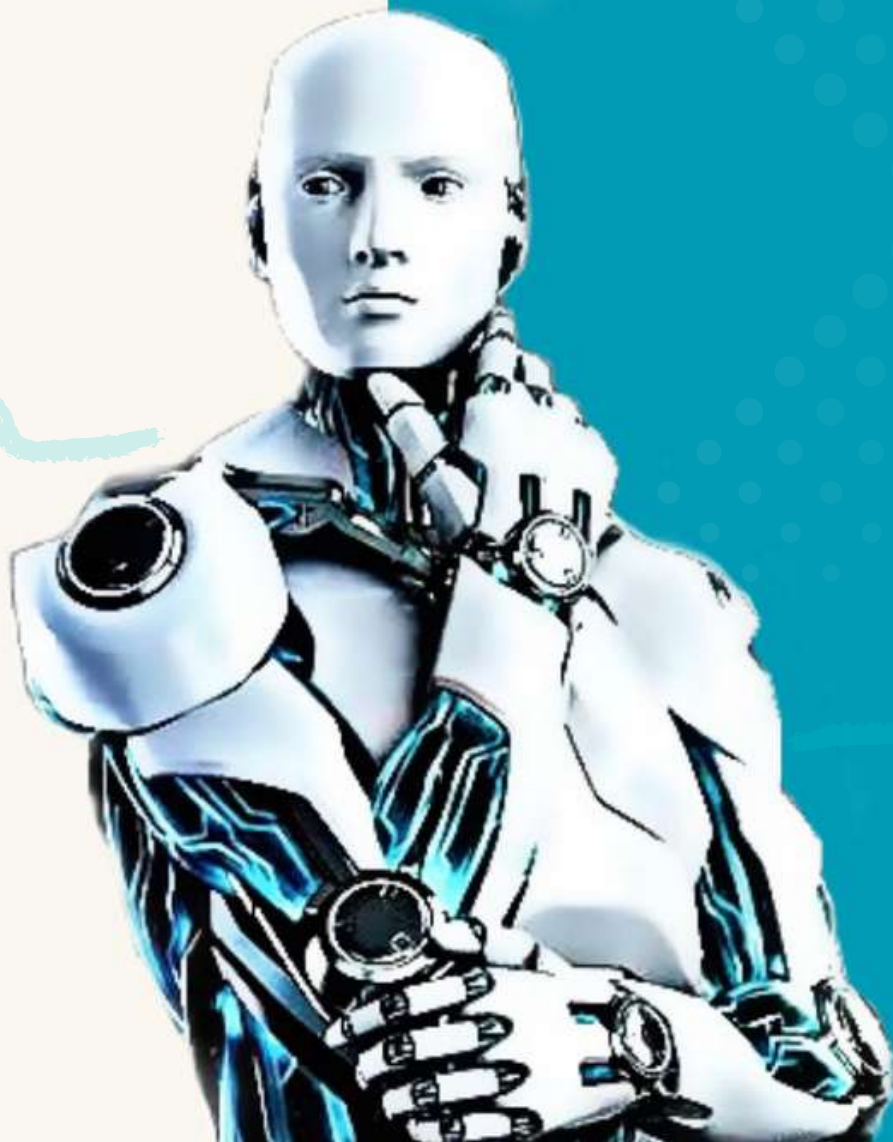
VISION & MISSION OF THE DEPARTMENT

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 underserved 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 recognizing their limitations to solve complex engineering Problems.

PO -6

The engineer and society: Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment.

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.

DEPARTMENT MONTHLY REPORT

MONTH : SEPTEMBER 2024 - OCTOBER 2024

EVENTS

ORGANIZED

ASSOCIATION DETAILS

S. N O	DATE	EVENT DETAILS	NAME OF THE RESOURCE PERSON	STUDENTS PARTICIPATED
1	12-09-2024	MentalHealth challenges by college students	Dr. M. Malathi, Associate Consultant, Meenakshi Mission Hospital, Madurai.	II & III YEAR
2	28.10.2024	Optimize your Linkedin Profile for Success	Mr.NirmalKumar Palanisamy,B.Tech,MS., IBM Certified Developer & Site Reliability, IBM Site Reliability Engineer, IBM Dublin-Ireland.	III ADS

FACULTY

ACHIEVEMENTS

PATENT & COPYRIGHT PUBLISHED /FILED

S. N O	Name of the faculty member	Details of the Award	Awarded by	Month & Year
1	Mrs.S.Nithya, AP/ADS	Filed the Design Patent on the Titke of "Novel Robotic Design for AgriBot – Growing Smarter	Intellectual Property, India	September 2024

FDP Attended by Faculty members

S. N O	Name of the faculty member	Name of the Programme	Date	Organizing Institution	Participated/ Presented
1	Mrs.N.Gajalakshmi, AP/ADS	Five-day International Technical Colloquium(online) on “ Emerging Trends & Real Time applications	09/09/2024 To 14/9/2024	Kamaraj College of Engineering and Technology	Participated
2	Mrs.S.Nithya, AP/ADS	Five-day International Technical Colloquium(online) on “Exploring Computational Intelligence in DL: Emerging Trends & Real Time applications	09/09/2024 To 14/09/2024	Kamaraj College of Engineering and Technology	Participated
3	Mrs.S.Nithya, AP/ADS	Five Days Faculty Development program on Artificial Intelligence	09/09/2024 To 14/09/2024	AICTE ATAL Techsakhsham	Participated
4	A.Nagalakshmi, AP/ADS	Five-day International Technical Colloquium(online) on “Exploring Computational Intelligence in Deep Learning: Emerging Trends and Real Time applications	09-09/2024 To 14/09/2024	Kamaraj College of Engineering and Technology	Participated
5	Mrs.K.Indumathi, AP/ADS	Five Days Faculty Development program on MERN Web Stack Development	09/09/2024 To 14/09/2024	AICTE ATAL Techsakhsham	Participated

STUDENTS ACHIEVEMENTS



EXTRA & CO-CURRICULAR ACTIVITIES

S. N O	YEAR	DATE	NAME OF THE STUDENTS	EVENT NAME	COLLEGE NAME	PRIZE
1	II year	23/9/2024	VENKATESH	HOCKEY ZONAL MATCH	Kamaraj College of Engineering and Technology	THIRD PRIZE
2	II year	19/09/2024	P.VARSHA, K.SREE DHARSHINI, J.KEERTHANA	DIVIDE AND CONQUER	MEPCO SCLENK LEGACY	FIRST PRIZE
3	II year	19/09/2024	VIGNESH.R , SAKTHI SINGA MANI	CHOREO BOOM	MEPCO SCLENK LEGACY	THIRD PRIZE
4	II year	28/09/24	V.SUBIKSHA, N.POWERNIKA	PAPER PRESENTATION	MOTHER TERASA COLLEGE	BEST PRESENTATION
5	III year	30/09/2024	sharon P	Drawing	Kamaraj College of Engineering and Technology	FIRST PRIZE

S. N O	YEAR	DATE	NAME OF THE STUDENTS	EVENT NAME	COLLEGE NAME	PRIZE
6	III year	18/09/2024	Vijay Chidambaranathan.A, Geethan.S ,Kavin S, GOKULAVASAN.J	SHORT FILM	Mepco Schlenk Engineering College	FIRST PRIZE
7	III year	20/09/2024	Vijay Chidambaranathan.A	SHORT FILM	PHOTOGRAPHY CLUB OF KCET	FIRST PRIZE
8	III year	20/09/2024	AKASH.R, SYED NAZMUDEEN S	SHORT FILM	PHOTOGRAPHY CLUB OF KCET	SECOND PRIZE
9	III year	28/09/24	AKASH.R, SYED NAZMUDEEN S	PAPER PRESENTATION	MOTHER TERASA COLLEGE	BEST PRESENTATION
10	III year	8/9/2024	AKASH.R ,Geethan.S, Vijay Chidambaranathan.A ,Syed Nazmudeen S	AD-ZAP	JAYCEES CARNIVAL,SIVA KASI	SECOND PRIZE
11	III year	8/9/2024	SAM SALVIUS.S	battle of bands	JAYCEES CARNIVAL,SIVA KASI	SECOND PRIZE
12	III year	18/09/24 & 19/09/24	NAGA HARISH KUMAR, G.D.Boopalan , JAI AKASH.R	War With Words(Legacy)	Mepco Schlenk Engineering College	SECOND PRIZE

S. N O	YEAR	DATE	NAME OF THE STUDENTS	EVENT NAME	COLLEGE NAME	PRIZE
13	III year	18/09/24 & 19/09/24	R.JAI AKASH , S.Kavin , G.D.Boopalan	CHOREO BOOM	Mepco Schlenk Engineering College	THIRD PRIZE
14	III year	18/09/24	SAM SALVIUS.S	solo instrument al	Mepco Schlenk Engineering College	THIRD PRIZE
15	III year	7/10/2024	Vino.R.C	Zonal Level Volleyball tournamen t	AAA College of engineering and technology	THIRD PRIZE
16	III year	16/10/2024	Vaishnavi S , sharon P	Spotify	AAA College of engineering and technology	THIRD PRIZE

Editorial Team



Chief Editor

Dr.R.AGHILA, HoD/ADS

Newsletter In-charge

MS.S.Nithya, AP/ADS

Student Member

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Mr.A.M.Kathiron,IV ADS

Mr.R.AKASH - IV ADS

Mr.A.Syed Nazumudeen -IV ADS

Mr.V.Hariharan-III ADS

Mr.V.R.S.Selva Kumar-III ADS