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

MARCH 2025 & APRIL 2025
Volume 3, Issue 4

CONTENTS

VISION OF THE INSTITUTION

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

MISSION OF THE INSTITUTION

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

QUALITY POLICY

Committed to impart Quality Technical Education imbibed with proficiency, human values and continual improvement.

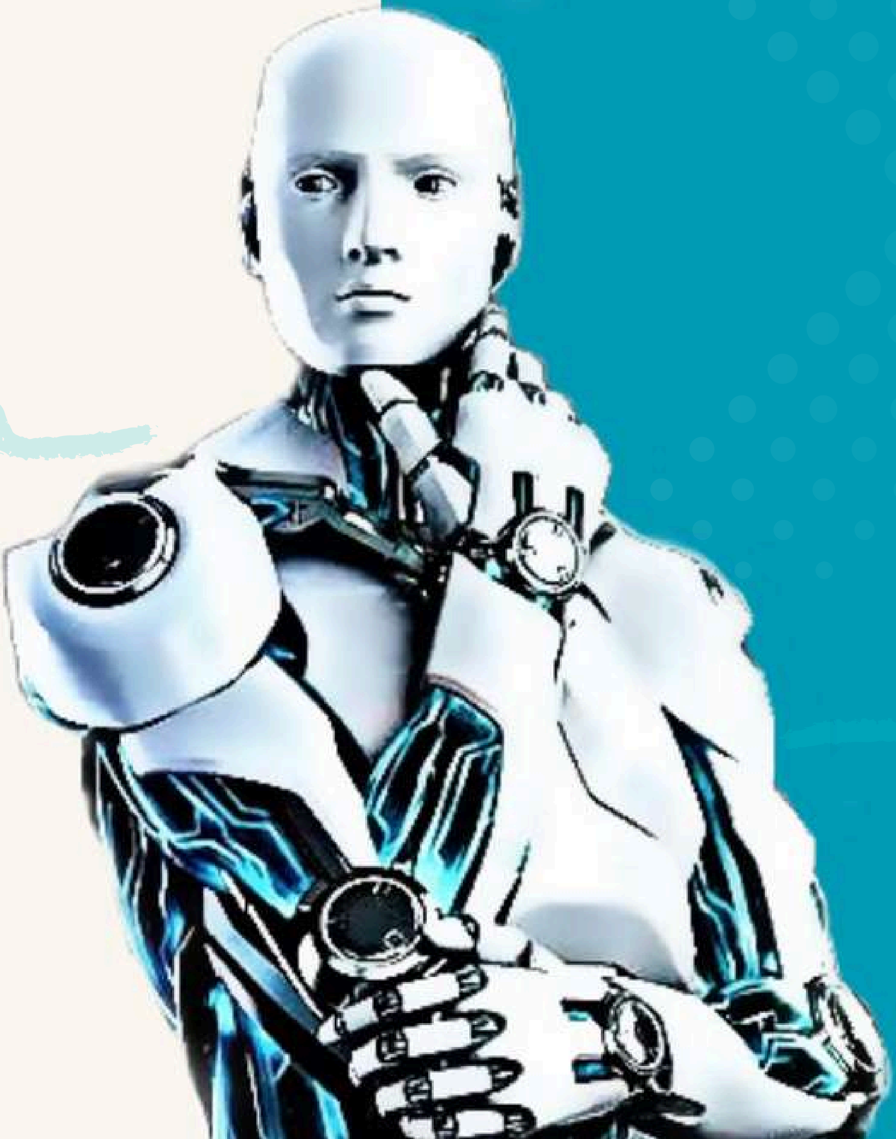
VISION & MISSION OF THE DEPARTMENT

VISION

To Make the Department of Artificial Intelligence and Data Science 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 student 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

KNOWLEDGE AND ATTITUDE PROFILE (WK)

WK -1 A systematic, theory-based understanding of the natural sciences applicable to the discipline and awareness of relevant social sciences.

WK -2 Conceptually-based mathematics, numerical analysis, data analysis, statistics and formal aspects of computer and information science to support detailed analysis and modelling applicable to the discipline.

WK -3 A systematic, theory-based formulation of engineering fundamentals required in the engineering discipline.

WK -4 Engineering specialist knowledge that provides theoretical frameworks and bodies of knowledge for the accepted practice areas in the engineering discipline; much is at the forefront of the discipline.

WK -5 Knowledge, including efficient resource use, environmental impacts, whole-life cost, re-use of resources, net zero carbon, and similar concepts, that supports engineering design and operations in a practice area.

WK -6 Knowledge of engineering practice (technology) in the practice areas in the engineering discipline.

WK -7 Knowledge of the role of engineering in society and identified issues in engineering practice in the discipline, such as the professional responsibility of an engineer to public safety and sustainable development.

WK -8 Engagement with selected knowledge in the current research literature of the discipline, awareness of the power of critical thinking and creative approaches to evaluate emerging issues.

WK -9 Ethics, inclusive behaviour and conduct. Knowledge of professional ethics, responsibilities, and norms of engineering practice. Awareness of the need for diversity by reason of ethnicity, gender, age, physical ability etc. with mutual understanding and respect, and of inclusive attitudes.

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 **Engineering 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 The World:** 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 **Ethics:** Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national and international laws.

PO -8 **Individual and Collaborative Teamwork:** Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams

PO -9

Communication: Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural and language learning differences.

PO -10

Project Management and Finance: Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.

PO -11

Life-long Learning: Recognize the need for, and have the preparation and ability for i) independent and life-long learning, ii) adaptability to new and emerging technologies, and iii) critical thinking 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 continues to be 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 : MARCH 2025 - APRIL2025

EVENTS ORGANIZED

EVENT DETAILS

S.NO	DATE	EVENT DETAILS	NAME OF THE RESOURCE PERSON	Coordinators
1	13.03.2025	AI-GNITE Club Inauguration	Mr.Gautam JeyaPrakash, Director & Head, V7Lancers, Madurai	Mrs.N.Gajalakshmi AP/ADS
2	04.04.2025	DevOps and Containers	Dr.K.Saravanan AP/CSE, Anna University, Guindy,Chennai	Dr.S.Balaji ASP/ADS, Mrs.N.Gajalakshmi AP/ADS
3	16.04.2025	IFERP-Student Chapter Inauguration	-	Mrs.K.Rajalakshmi, AP/ADS , Mrs.N.Gajalakshmi, AP/ADS
4	15.04.2025	Flutter Web Expansion	H.M.Santhosh Final Year ADS	Mrs.N.Gajalakshmi, AP/ADS Mrs.A.Nagalakshmi AP/ADS
5	28.04.2025	Artificial Intelligence and Machine Learning	-	Mrs.K.Rajalakshmi, AP/ADS, & Mrs.S.Nithya, AP/ADS

FACULTY ACHIEVEMENTS RESEARCH DATA

Report on Staff Development Programme FDP Attended by Faculty members

S. No	Name of the faculty	Name of the Programme	Date	Organizing Institution	Participated/ Presented
1	Mrs.N.Gajalakshmi, AP/ADS	Empowering Educators with Generative AI & DL	07.04.2025 to 09.04.2025	K.L.N. College Of Engineering	Participated

Guest Lecture Delivered/ Seminar/ Conference /FDP/Workshop by Faculty members

S.No	Name of the faculty	Name of the Programme	Date	Organizing Institution
1	Mrs.K.Rajalakshmi, AP/ADS	4^{th} International Conference	26.04.2025 to 27.04.2025	Engineering and Technology (ICRCET-2025) ,Bangalore
2	Mrs.K.Rajalakshmi, AP/ADS	One Day National Conference	25.04.2025	Akshaya College of Engineering Coimbatore

PATENTS PUBLISHED BY FACULTY MEMBERS

S.No	Name of the faculty with Co-Authors	Title of the Patent	Date
1	Mrs.V.Sangeetha,AP/ADS	Sewage Gas Monitoring System using IoT	05.03.2025

RESOURCE PERSON ACTIVITIES BY FACULTY MEMBERS

S.No	Name of the faculty	Name of the Programme	Date	Act
1	Dr.R.Aghila, Prof & Head/ADS	14th International Conference On Recent Challenges In Engineering And Technology (ICRCET-2025) Bangalore	26.04.2025 to 27.04.2025	Acted as a Scientific Committee Member
2	Mrs.K.Rajalakshmi, AP/ADS			Acted as a National Advisory Commitee member
3	Mrs.N.Gajalakshmi, AP/ADS			Acted as a National Advisory Commitee member

STUDENTS ACHIEVEMENTS

Symposium / Conference / Contest

S. No.	Name of the Student & Year	Name of the Programme	Date	Organizing Institution	Participated / Presented	If Presented, Title of the Paper	Prizes Won
1	Deepika Sri	Conference	09.03.2025	International Conference on Engineering, Science and Management (ICESM 2025)	Presented	Face-Swap Based Fake Video sms	Paper Selected
2	Shri Shivanuja						
3	Rohith	Conference	09.03.2025	Fifth International Conference On Artificial Intelligence & Smart Computing (Icaisc-2025)	Presented	Under water Species Exploration	Paper Selected
4	Sudhan						
5	T.Lishiga	Build-Athon	05.03.2025	Kamaraj College Of Engineering And Technology	Participated		-
6	R.Harishmi						
7	G.Kaaviya	Build-Athon	05.03.2025	Kamaraj College Of Engineering And Technology	Participated		-
8	V.Preethiga						
9	S.HariHaraSundaram	Build-Athon	05.03.2025	Kamaraj College Of Engineering And Technology	Participated		-
10	K.Rafiq Ahamed						
11	V.SolaiPrakash						
12	C.Vishnu Prithvi						

13	R.Jai Akash	Dance	02.03.2025	Solamalai College of Engineering and Technology, Madurai	Participated		II Prize Rs 5000
14	G.D.Boopalan						
15	S.Kavin						
16	C.Vishnu Prithvi	Code Crack	13.03.2025	Kalasalingam Acadamy Of Research And Education	Participated		I Prize
17	M.Deepanrajjacob						
18	C.Vishnu Prithvi	Code Jam	14.03.2025	Kalasalingam Acadamy Of Research And Education	Participated		II Prize
19	M.Deepanrajjacob						
20	Jeya Sowmiya	Neonhack	20.03.2025	Velammal College of Engineering and Technology	Participated	AI-Based Smart Exam Paper Generator	III Prize Rs 2000
21	P.MahaVidyaa	Paper Presentation	14.03.2025	National Engineering College	Participated		-
22	M.S.Gopika						
23	V.GeethaMani						
24	S.Divyalakshmi						
25	M.Divyadharshini						
26	P.MahaVidyaa	UI / UX	14.03.2025	National Engineering College	Participated		-
27	M.S.Gopika						
28	M.Divyadharshini						

29	P.MahaVidyaa	Cine Quizz	14.03.2025	National Engineering College	Participated		-
30	M.S.Gopika						
31	M.Divyadharshini						
32	S.Divyalakshmi						
33	V.GeethaMani						
34	M.N.B.Raj Nithitha	Project Contest	21.03.2025	Velammal College of Engineering and Technology, Madurai	Participated		-
35	T.Ashika						
36	K.Agalya	Web Designing	26.03.2025	Unnamalai Institute of Technology	Presented		I Prize
37	K.Akshaya						
38	S.Subiksha						
39	V.GeethaMani	Cine Quizz	15.03.2025	National Engineering College	Participated		I Prize
40	K.Sreedharshini	Sell Your Story	20.03.2025	Thiagarajar College Of Engineering And Technology	Participated		II Prize

Workshop Attended

S. No.	Name of the Student & Year	Name of the Programme	Date	Organizing Institution	Participated / Presented
1	V.GeethaMani	Circuit Workshop	14.03.2025	National Engineering College	Participated
2	S.Divyalakshmi				

STUDENTS ACHIEVEMENTS

Certification by Students

S. No.	Name of the Student	Certificate Details	Date
1	V.Solai Prakash	Oracle	04.04.2025
2	S.Syed Nazmudeen		
3	R.Akash		
4	Rohith		
5	C.Vishnu Prithvi		
6	B.Parani Dharshan		
7	M.Deepanraj Jacob		
8	M.Suriya Nandhini		
9	K.Sumithra		

Editorial Team

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