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

Himalaya Outdoors The Great Hike

AXONOVA

Supporting text for the cover story goes here

NEWS LETTER

JAN 2025-FEB2025

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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 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

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 knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.

PO -2 **Problem Analysis:** Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development (WK1 to WK4).

PO -3 **Design/Development of Solutions:** Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required (WK5).

PO -4 **Conduct Investigations of Complex Problems:** Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions. (WK8).

PO -5 **Engineering Tool Usage:** Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems (WK2 and WK6).

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. (WK1, WK5, and WK7).

PO -7 **Ethics:** Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws (WK9).

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, language, and 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 (WK8).

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.

EVENTS ORGANIZED

ASSOCIATION DETAILS

S.NO	DATE	EVENT DETAILS	NAME OF THE RESOURCE PERSON	Coordinators
1	04.02.2025	Edge AI	Manaz from Edge Matrix Quantanics, Madurai.	Mrs.V.Sangeetha AP/ADS

FACULTY ACHIVEMENTS

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	Dr.R.Aghila, Prof/HoD-ADS	Deep Dive Into Deep Learning: Tools And Techniques	27.01.2025 to 31.01.2025	Velammal Institute of Technology, Chennai	Participated
2	Mrs.K.Rajalakshmi, AP/ADS	Next-Gen Computing: Exploring Supercomputing, AI, and Quantum Technologies.	10.02.2025 To 15.02.2025	National Insitute Of Technology Sikkim	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	Dr.P.Praveen Kumar, ASP/ADS	Emerging Trends in Data Science and Cloud Computing	24.02.2025	St.Thomas College (Autonomous), Thrissur, Kerela

PATENT PUBLISHED BY FACULTY MEMBERS

S.No	Name of the faculty with Co-Authors	Title of the Patent	Date
1	Dr.R.Aghila, Prof & Head/ADS & Mrs.N.Gajalakshmi, AP/ADS	AI-Powered Healthcare Analytics Platform	18.01.2025
2	Mrs.V.Sangeetha	KCET Journey: A Strategic Route Map	21.01.2025

MoU

S.No	Name of the faculty	MoU	Date
1	Dr.R.Aghila, Prof & Head/ADS & Mrs.K.Rajalakshmi, AP/ADS	Institute for Educational Research and Publication (IFERP)	31.01.2025

CERTIFICATION BY FACULTY

S.No	Name of the faculty	Certificate Details	Date
1	Dr.P.Praveen Kumar ASP/ADS	Infosys Springboard Front End Web Developer Certification	23.02.2025

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	A.Rasha Afrin	Hackathon Contest	20.02.2025	Sri Eshwar Engineering College, Coimbatore	Presented		Best Innovation Award
2	D.Naveena	Hackathon Contest	19.02.2025 to 20.02.2025	Mepco Schlenk Engineering College (Autonomus), Sivakasi	Presented		-
		Technical Skills	19.02.2025 to 20.02.2025	Mepco Schlenk Engineering College (Autonomus), Sivakasi	Participated		-
3	K.Harishma	Hackathon Contest	19.02.2025 to 20.02.2025	Mepco Schlenk Engineering College (Autonomus), Sivakasi	Presented		-
		Technical Skills	19.02.2025 to 20.02.2025	Mepco Schlenk Engineering College (Autonomus), Sivakasi	Participated		-
4	S.Selva	Trinity Hack	21.02.2025	K.L.N. College Of Engineering	Participated		-
5	S.PudhuRaajesh	Trinity Hack	21.02.2025	K.L.N. College Of Engineering	Participated		-
6	A.Gokul	Trinity Hack	21.02.2025	K.L.N. College Of Engineering	Participated		-
7	M.Venkatesh	Trinity Hack	21.02.2025	K.L.N. College Of Engineering	Participated		-
8	K.G.Praveen Harish	Trinity Hack	21.02.2025	K.L.N. College Of Engineering	Participated		-
9	V.HariHaran	Trinity Hack	21.02.2025	K.L.N. College Of Engineering	Participated		-

10	G.Kaaviyaa	Paper Presentation	21.02.2025	K.L.N. College Of Engineering	Participated		-
11	V.Preethiga						
12	M.Surya Dharshini						
13	T.Lishiga	Paper Presentation	21.02.2025	K.L.N. College Of Engineering	Participated		-
14	R.Harishmi						
15	Sri Vaishnavi						
16	K.Sathana	Essay Writing	21.02.2025	Kamaraj College Of Engineering And Technology	Presented	Building A Better World: Infrastructure And Innovation	Rs 1000

Achievements of student at Kalasalingam University :

S. No.	Name of the Student & Year	Year/Branch	Event Name	Prize
1	Jeffrey Benson	III / AI&DS	Minute To Win	I Prize Rs 2000
2	Ajay Yashwanth			
3	Yogesh			
4	Akshaya	III / AI&DS	Cooking Without Fire	I Prize Rs 2000
5	Jeya Rimaasri			
6	Sam Salvius	III / AI&DS	Tech Beats	I Prize Rs 3000
7	Jai Akash	III / AI&DS	The Human Knot Challenge	II Prize Rs 1000
8	Jeffrey Benson			
9	Ajay Yashwanth			
10	Yogesh			

Placement Corner

S.NO	Student Name	Company Placed
1	SIVAKAMI.G	HEXAWARE TECHNOLOGIES LIMITED
2	AKSHAY PIRANAV.B	QUARKSEK TECHNOLOGIES PRIVATE LIMITED
3	SUTHAN.V	SOLARTIS TECHNOLOGY SERVICES PVT.LTD
4	MATHIYAJIN.A	SANMINA SCI INDIA LTD
5	KAVIYA.P	KAAVIAN SYSTEMS PVT. LTD
6	PRAVEEN KUMAR.M	SANMINA SCI INDIA LTD
7	HARSHINI.B	QUARKSEK TECHNOLOGIES PRIVATE LIMITED
8	SURYA BALAN.R	TRIVINE TECHNOLOGY SOLUTIONS
9	AKASH.R	TRIVINE TECHNOLOGY SOLUTIONS
10	NIVEDITHA.N	TERV PRO
11	NANTHA KUMAR.M	MITSUBA INDIA PRIVATE LIMITED
12	JAYASUDHA.S	JS TECHVISION SOLUTIONS
13	MAKIMASATTHI.N	AARVIK DIGITAL IT SOLUTIONS
14	ADLIN WISELEY.I	SKILLMINE TECHNOLOGY CONSULTING PVT., LTD
15	ROSHAN KUMAR.N.K	EDUCATORS LABS PVT LIMITED
16	SIVARANJANI.R	SKILLMINE TECHNOLOGY CONSULTING PVT., LTD
17	TARUN.B	RELEVANTZ TECHNOLOGY SERVICES INDIA PVT.LTD

S.NO	Student Name	Company Placed
18	HARI HARA SUDHAN.P	NOVACIS DIGITAL PVT. LTD
19	HEMA.T	H – ONE ENTERPRISES
20	LAXMIPATHY VENKATESH.V	HCL TECHNOLOGIES
21	DINESH KUMAR.S	SKILLMINE TECHNOLOGY CONSULTING PVT., LTD
22	KISHORE KUMAR.L	TRIVINE TECHNOLOGY SOLUTIONS
23	SIVANI.R	FACEPREP
24	ANDALPRIYA.C	TERV PRO
25	NUTTRENAI.V	RELEVANTZ TECHNOLOGY SERVICES INDIA PVT.LTD
26	SOWNDARYA.A.K	KAAR TECHNOLOGIES PVT LTD
27	MOHAMED FAIZAL ALI.S	AAPGS PRIVATE LIMITED
28	SRI SHIVANUJA.S	TRIVINE TECHNOLOGY SOLUTIONS
29	RAJA LAKSHMI.K	FACEPREP
30	NHIRANJAN.M.K	CLUSTREX DATA PRIVATE LTD
31	JEYADHEESH.N	CLUSTREX DATA PRIVATE LTD
32	GENGADEVI.P	SELVA ENGINEERING AND AUTOMATION
33	SANTHOSH.H.M	HEXAWARE TECHNOLOGIES LIMITED
34	YUVA SRI.R	QUARKSEK TECHNOLOGIES PRIVATE LIMITED
35	RAAMPRANAV.R	6F TECHNICAL CONSULTANT INDIA PVT LTD
36	VIJAYAMADAESHWAR. M	INFINOG VENTURES

S.NO	Student Name	Company Placed
37	MOHAMED FARHAN.S	MITSUBA INDIA PRIVATE LIMITED
38	ROHITH.A	AARVIK DIGITAL IT SOLUTIONS
39	SANTHOSH KUMAR.S	COGNIZANT TECHNOLOGY SOLUTIONS
40	KATHIROHN.A.M	TRIVINE TECHNOLOGY SOLUTIONS
41	SIVA SAARATHI.S	TERV PRO
42	HARINI.R	QUARKSEK TECHNOLOGIES PRIVATE LIMITED
43	MOHAMED FASIDH.M	MITSUBA INDIA PRIVATE LIMITED
44	SIVA PRAKASH.S	QUARKSEK TECHNOLOGIES PRIVATE LIMITED
45	AHAMED SAHIL.A	QUINTESSENCE BUSINESS SOLUTIONS & SERVICES
46	SHWEATHA AARTHY.S.N	INFINOG VENTURES
47	SYAMALA DEVI.S	FACEPREP
48	MANIKKAVASAKAR.T	SANMINA SCI INDIA LTD
49	MARIUMBEI.S	AARVIK DIGITAL IT SOLUTIONS
50	SRINITHI.S	ICANIO TECHNOLOGIES
51	GANESA MOORTHY.M	SANMINA SCI INDIA LTD
52	KARUPPASAMY.V	SANMINA SCI INDIA LTD
53	PONMANI BOOPATHY.P	TERV PRO
54	ABIMANYU.N	SANMINA SCI INDIA LTD

Editorial Team

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