



Kongunadu

College of Engineering & Technology

[Autonomous]

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai, Accredited by NBA(CSE,ECE,EEE & MECH), NAAC, Recognized by UGC with 2(f) & 12(B) and certified by ISO 9001:2015 certified institution)



Newsletter

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HOD's Message



I am delighted to share that the Department of Artificial Intelligence and Data Science highlighting the diverse activities and remarkable accomplishments of our faculty and students.

The department is committed to nurturing confident professionals who are well-prepared for real-world work environments.

With a dedicated team of highly qualified faculty, we provide an excellent academic atmosphere that encourages students to enhance their technical skills and fosters a strong spirit of teamwork.

On this special occasion, I extend my heartfelt congratulations to the entire editorial board for presenting this edition in an impressive and refined manner.

We extend our heartfelt congratulations to all the placed students and wish them continued success and growth in their professional endeavors.

Editorial Board

Chief Editors:



Dr. K. Baskar (HOD/AD)



Mrs. P.G. Gayathri (AP/AD)



PRAVEEN T (4th year)



LAKCHAYA V (4th year)



NAVEENKUMAR T (3rd year)



MONIHA K (3rd year)



MADHAVAN S (3rd year)





CONTENTS

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COLLEGE VISION & MISSION

VISION

To become an Internationally renowned Institution in technical education, research and development, by transforming the students into competent professionals with leadership skills and ethical values.

MISSION

- Providing the Best Resources and Infrastructure.
- Creating Learner centric Environment and continuous–Learning.
- Promoting Effective Links with Intellectuals and Industries.
- Enriching Employability and Entrepreneurial Skills.
- Adapting to Changes for Sustainable Development.



DEPARTMENT VISION & MISSION

VISION

To produce globally competent engineers in the field of Artificial Intelligence and Data Science with a focus on emerging computing needs of the industry and society.

MISSION

- Enrich the students' skills, knowledge with interdisciplinary skill sets by cognitive learning environment and industrial collaboration.
- Promote quality and value based education towards emerging computing needs of the industry and entrepreneurship skills amongst students.
- Provide for students with leadership qualities, ethical and human values to serve the nation and focus on students' overall development.

PROGRAM EDUCATIONAL OBJECTIVES(PEO's)

PEO I: Graduates will be able to Artificial Intelligence professionals with expertise in the fields of Artificial Intelligence, Big Data Analytics and DataScience.

PEO II: Graduates will be able to develop problem solving skills and ability to provide solution for real time problems.

PEO III: Graduates shall have professional ethics, team spirit, life-long learning, communication skills and adopt corporate culture, core values and leadership skills.





PROGRAM SPECIFIC OUTCOMES(PSO's)

- **PSO1:** Professional skills: Students shall excel in software development including Artificial Intelligence technologies to solve complex computation task with softskills.
- **PSO2:** Competency: Students shall qualify at the State, National and International level competitive examination for employment, higher studies and research.

PROGRAM OUTCOMES(PO's)

PO1: 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.

PO2: Problem Analysis: Identify, formulate, review research literature and analyse complex engineering problems reaching substantiated conclusions with consideration for sustainable development. (WK1 to WK4)

PO3: 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)

PO4: 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).

PO5: 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)

PO6: The Engineer and The World: Analyse 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).

PO7: Ethics: Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. (WK9)

PO8: Individual and Collaborative Team work: Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.

PO9: 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

PO10: 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.

PO11: 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)



▶ DEPARTMENT ACTIVITIES

Programme Conducted by the Department

▶ Common Programme organized:

- ✿ 13th National Level Technical Symposium “Tekcluster 25” on 13th September 2025, the resource person was Mr. Senthil Kumar Ganapathy, Vice president & Head of Design Department Larsen &Toubro, Chennai
- ✿ Inauguration function and Seminar on “Navigating GATE Exam: Career Prospects, Higher Education and Scholarships”, the chief guest was Mr. Rajesh Kumar Kaushal, Assistant Professor and Dr. T. Thimmaiah Institute of Technology, Karnataka, held on 28th August 2025.



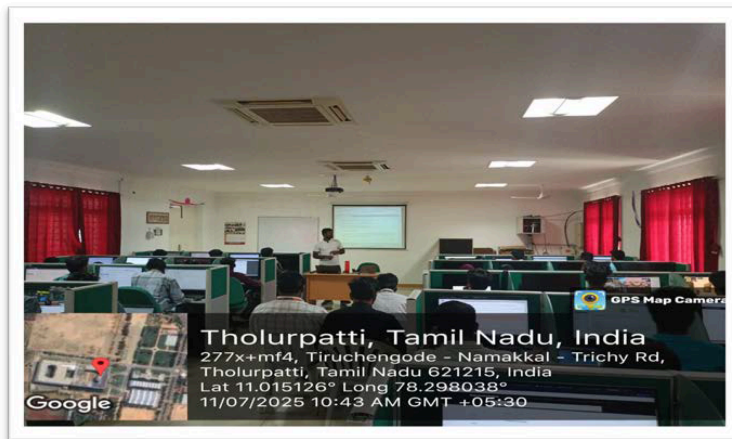
- ✿ Awareness Program on “Pals - Gate/Jam Exam Orientation session for Engineering”, the chief guest was Dr. Shiva Nagendra S. M., Department of Civil Engineering, IIT Madras, held on 13th Sep 2025.

▶ Programme Conducted by the Department (Conference/Workshop/Seminar/FDP/Guest Lecture/Training/Webinar/Others)

- ✿ 5 days Online FDP on “Big Data Processing”, the resource person was Dr. B. Dhanasekaran M.E., Ph. D, Professor, Computer Science Sharad Institute of Technology College of Engineering, Maharashtra, Ms. Syeda Mahreen, Assistant Professor, Computer Science and Engineering, Vignana Bharathi Institute of Technology, Ms. Joan Teresa Jose, Project Manager, HTC Global Service, Chennai held from 23rd June 2025 to 27th June 2025.
- ✿ One day Seminar for 2nd year, 3rd year and 4th year AD Students on” Data Science: Transforming Raw Data into Intelligent Business Decisions” on 10th Jul 2025 the resource person was Mr. Chandran Venkatesan, Lead Data Science | Gen AI Except, Akaike Technologies, Chennai.



- One day Workshop for 3rd year AD Students on “Large Language Model (LLMs) and Deeping Learning – Hands on with NVIDIA” on 11th July 2025, the resource person was Mr. Chandran Venkatesan, Lead Data Science | Gen AI Except, Akaike Technologies, Chennai.



- Inauguration with a Guest Lecture on “AI, Social Media, and You: Building a Secure Digital Footprint & Strengthening Cybersecurity Education” was organized on 26th July 2025, the resource person was Mr. Ramkumar Dilli, Chief Information Officer, RCG Global Services (dba Myridius), Chennai.





- One day Guest Lecture for 3rd year AD Students on “Predictive analytics for business decision-making using machine learning algorithms” on 20th Aug 2025, the resource person was Mr. S. Dharun, Founder & CEO, ST Software Solution, Tirupur.



- Seminar on “Cybersecurity Analytics: Harnessing Data Mining for Attack Detection and Prevention” was organized on 29th August 2025, the resource person was Purushothaman M, Senior Analyst, Kaar Technologies Private Ltd., Chennai.



- Department of Artificial Intelligence and Data Science Signed a MOU with ST Software Solution, Tirupur on 20th August 2025.
- One day Guest Lecture for 3rd year AD Students on “The Magic of Deep Learning: Turning Data into Intelligence” on 30th Aug 2025, the resource person was Mr. K. Dinagar, Member Technical Staff, Zoho Corporation Pvt. Ltd., Chennai.





- ✿ One day online Webinar for Outside Students on “How AI works in Client-Side Applications” on 31st Oct 2025, the resource person was Mr. Puviyarasan, Senior Software Engineer, CGI, Bangalore.
- ✿ One day Workshop for Outside students on “Cyber Security Awareness and Security Measures “on 27th Sep 2025, the resource person was Mr. V. Praveen, B.E, Senior Cyber Security Trainer, Glidersoft, Thanjavur.



- ✿ 5 days Online FDP on “Advanced Image Classification Techniques using MATLAB”, the resource persons was Malaya Kumar Nath, Assistant Professor, Electronics & Communication Engineering, Mohammad Farukh Hashmi, Assistant Professor Gr-I, Electronics & Communication Engineering, Dr Ujwala Bhoga, Assistant Professor, Department of CSE, School of Engineering, Anurag University, Dr. Deepti Srivastava, Ph.D. (CSIR- JRF), Post Doctorate (SERB-NPDF) Founder, Nimble Scholars, Journal Editor, Journal Reviewer, IITK, IITD and NSRCEL, Mr. ANIK ACHARJEE, School of Computer Science and Engineering, Assistant Professor, IILM University, Greater Noida held from 06th Oct 2025 to 10th Oct 2025.





DEPARTMENT ACHIEVEMENTS

» PUBLICATION OF BOOK/MANUAL

- ✿ **Dr. K Baskar, Mrs. A. Sangeetha, Mrs. N. Sarmiladevi, Mrs. M. Vanitha**, Big Data Analytics, The Charulatha Publications, Chennai, ISBN: 978-81-993334-9-9, November 2025.
- ✿ Dr. C. Saravanabhavan, Mrs. L. Nivetha, Mr. R. Palanikumar, **Mr. M. Mohanraj**, Database Design and Management, Pearson, Chennai, ISBN:978-93-713-6031-9, November 2025.
- ✿ Dr. J. Yogapriya, Dr. S. Dhanabal, **Dr. G. Sumathi**, Mr. J. Sathishkumar, Artificial Intelligence, Pearson, Chennai, ISBN:978-93-713-6589-9, November 2025.
- ✿ Mr. K. Anguraju, Mr. R. V. Viswanathan, Dr. R. Asokan, **Mrs. P G. Gayathri**, Computer Networks, ISBN 978-93-713-6389-1, November 2025.

» STAFF AS A RESOURCE PERSON

- ✿ **Dr. K. Baskar**, ASP/Head department of Artificial Intelligence and Data Science gave lecture on 'Human Centered Artificial Intelligence' at Dr.B.R.Ambedkar University, Andhra Pradesh, on 15th July 2025.

» PUBLICATION IN JOURNALS BY STAFF

- ✿ **Baskar K**, Peter Soosai Anandaraj A, Ramesh P. S., Swedhaa Mathivanan 2025 'QoS-Aware Load Balancing in Cloud Computing Based on Chronological Kookaburra Optimization Algorithm' International Journal of Network Management, Wiley, Doi.org/10.1002/nem.70020.
- ✿ **N. Sarmiladevi**, Published IEEE Paper on, "Clinical-Grade Hybrid Machine Learning Framework for Post-Menopausal Sleep Disorder Prediction," 2025 2nd International Conference on Computing and Data Science (ICCDs), Chennai, India, 2025, pp. 1-6, doi: 10.1109/ICCDs64403.2025.11209710, IEEE.
- ✿ **M. Mohanraj** Presented a paper entitled "Ovarian Cancer Detection: A Systematic Review of Deep Learning Models" in 3rd International Conference on Sustainable Computing and Smart Systems (ICSCSS 2025) organized by Hindustan College of Engineering and Technology, Coimbatore on 20 – 22, August 2025. ISBN: 979-8-3315-4944-2.
- ✿ Roopa R, C. Vishnu Priya, Dr. P. Lokesh kumar Reddy, Krishna Prakash R, **Dr. M. Senthilkumar**, Vasudevan I 'An Optimized Convolutional Neural Network for Automated Plant Disease Classification Using Hyperparameter Tuning' published in 3rd ICoICI-2025, ISSN: 978-1-6654-5752-1, Vol.47, Issue.15, pp.1185–1190, September 2025, IEEE



➤ Staff Achievements and Awards

- ✿ Dr. G. Sumathi, Associate Professor recognized as NPTEL Discipline star Jan-Apr 2025.
- ✿ Dr. G. Sumathi, Associate Professor recognized as NPTEL NPTEL Domain Scholar in Cyber Security July-Dec 2025.
- ✿ Dr. G. Sumathi, Associate Professor recognized as NPTEL Motivated Learner July-Dec 2025.

➤ PAPER PRESENTED & PROGRAMME ATTENDED BY THE STAFF

CONFERENCE:

- ✿ N. Sarmiladevi Presented paper in Conference “A Comprehensive Review of Deep Learning-Based Anomaly Detection in IoT: Challenges, Trends and Future Directions” held at IIT Indore during 6th to 11th July 2025.
- ✿ N. Sarmiladevi Presented paper in Conference “Clinical-Grade Hybrid Machine Learning Framework for Post-Menopausal Sleep Disorder Prediction at Rajalakshmi Engineering College on 25th and 26th July 2025.

FDP

Faculty Name	FDP Title	College Name	Date
Dr. G. Sumathi	Digital Revolution In industry 4.0	Ganesh College of Engineering	14th to 20th July 2025
Dr. M. Senthilkumar	Digital Revolution In industry 4.0	Ganesh College of Engineering	14th to 20th July 2025
Mrs. N. Sarmiladevi	Curriculum Development using Outcome Based Approach	NITTTR, Chandigarh	04TH August 2025 to 08th August 2025
Mrs. A. Sangeetha	Artificial Intelligence, Machine Learning and data Science with Research Applications	MLRIT	21th July to 26th July 2025
	Digital Revolution In industry 4.0	Ganesh College of Engineering	14th to 20th July 2025
	Generative AI	Anjuman Institute of Technology and Management Bhatkal	4th Aug to 08th Aug 2025
Mr. M. Mohanraj	Artificial Intelligence, Machine Learning and data Science with Research Applications	MLRIT	21th July to 26th July 2025
	Digital Revolution In industry 4.0	Ganesh College of Engineering	14th to 20th July 2025
Mrs. P G. Gayathri	Artificial Intelligence, Machine Learning and data Science with Research Applications	MLRIT	21th July to 26th July 2025
	Digital Revolution In industry 4.0	Ganesh College of Engineering	14th to 20th July 2025
	Next-Gen AI Techniques for Biomedical Data Interpretation	Gandhi Institute of Excellent Technocrats	01 Sep 2025 to 06 Sep 2025



Mrs. A. Gowri	Digital Revolution In industry 4.0	Ganesh College of Engineering	14th to 20th July 2025
	Research Paper Writing and Publishing: The Researcher's Toolkit	Learnix Thrive	20th to 24th September 2025
Mr. S. Sathishkumar	Artificial Intelligence, Machine Learning and data Science with Research Applications	MLRIT	21th July to 26th July 2025
	Digital Revolution In industry 4.0	Ganesh College of Engineering	14th to 20th July 2025
	Generative AI	Anjuman Institute of Technology and Management Bhatkal	4th Aug to 08th Aug 2025
Mrs. R. Subashini	Artificial Intelligence, Machine Learning and data Science with Research Applications	MLRIT	21th July to 26th July 2025
	Digital Revolution In industry 4.0	Ganesh College of Engineering	14th to 20th July 2025
Mrs. E. Mathumitha	Digital Revolution In industry 4.0	Ganesh College of Engineering	14th to 20th July 2025
	Curriculum Development using Outcome Based Approach	NITTTR, Chandigarh	04TH August 2025 to 08th August 2025
Mrs. S. Vimala	Artificial Intelligence, Machine Learning and data Science with Research Applications	MLRIT	21th July to 26th July 2025
	Digital Revolution In industry 4.0	Ganesh College of Engineering	14th to 20th July 2025

WORKSHOPS/ SEMINAR/WEBINAR

- ✿ **Dr. M. Senthilkumar** presented a IEEE paper entitled “An optimized Convolutional neural network for automated plant disease classification using hyper parameter tuning” presented in 3rd international conference on Intelligent cyber physical system and internet of things organized by JCT College of Engineering and Technology, held on 17 and 19th September 2025.
- ✿ **Mrs. M. Vanitha**, Assistant professor participated attended 5 days’ Workshop on “An Integrated Approach for Computing Resources: Cloud with Internet of Things (CloudIoT-2025) “organized by Bennet University, Greater Noida, from 28th July 2025 to 01st July 2025.
- ✿ **Dr. K. Baskar**, Associate professor, Artificial intelligence and Data science Department, attended one day seminar on “Generative AI: Revolutionizing Teaching, Research, and Innovation” organized by Viswakarma Institute of Technology, Pune on 01st August 2025.
- ✿ **Dr. G. Sumathi**, Associate professor participated one day webinar in “Autonomous and Semi-Autonomous systems: Safety Management” organized by Bharati Vidyapeeth’s Institution of computer Application and Management, New Delhi on 23rd August 2025.
- ✿ **Mrs. M. Vanitha**, Assistant professor participated one-week online workshop on “IoT Essentials: Hands – on Tech to Create a Smart World” organized by NIT Trichy, from 11th August 2025 to 15th August 2025.
- ✿ **Dr. K. Baskar**, Associate professor, Artificial intelligence and Data science Department, participated in One day Online Workshop on "Build Your Financial Security: A Workshop for Professors and Students" organized by Star



International Foundation for Research and Education on 17th Sep 2025.

- ✿ **Mrs. A. Gowri**, Assistant professor, Artificial intelligence and Data science Department, participated in One day Online Workshop on "Build Your Financial Security: A Workshop for Professors and Students" organized by Star International Foundation for Research and Education on 17th Sep 2025.
- ✿ **Mrs. R. Subashini**, Assistant professor, Artificial intelligence and Data science Department, participated in One day Online Workshop on "Build Your Financial Security: A Workshop for Professors and Students" organized by Star International Foundation for Research and Education on 17th Sep 2025.
- ✿ **Mrs. P G. Gayathri**, Assistant professor, Artificial intelligence and Data science Department, participated in One day Online Workshop on "Build Your Financial Security: A Workshop for Professors and Students" organized by Star International Foundation for Research and Education on 17th Sep 2025.
- ✿ **Mr. S. Sathishkumar**, Assistant professor, Artificial intelligence and Data science Department, participated in One day Online Workshop on "Build Your Financial Security: A Workshop for Professors and Students" organized by Star International Foundation for Research and Education on 17th Sep 2025.
- ✿ **Mrs. A. Sangeetha**, Assistant professor, Artificial intelligence and Data science Department, participated in One day Online Workshop on "Build Your Financial Security: A Workshop for Professors and Students" organized by Star International Foundation for Research and Education on 17th Sep 2025.
- ✿ **Dr. M. Senthilkumar**, Professor, Artificial intelligence and Data science Department, participated in One day Online Workshop on "Build Your Financial Security: A Workshop for Professors and Students" organized by Star International Foundation for Research and Education on 17th Sep 2025.
- ✿ **Dr. G. Sumathi**, Associate professor, Artificial intelligence and Data science Department, participated in One day Online Workshop on "Build Your Financial Security: A Workshop for Professors and Students" organized by Star International Foundation for Research and Education on 17th Sep 2025.
- ✿ **Mr. M. Mohanraj**, Assistant professor, Artificial intelligence and Data science Department, participated in One day Online Workshop on "Build Your Financial Security: A Workshop for Professors and Students" organized by Star International Foundation for Research and Education on 17th Sep 2025.
- ✿ **Mrs. E. Mathumitha**, Assistant professor, Artificial intelligence and Data science Department, participated in One day Online Workshop on "Build Your Financial Security: A Workshop for Professors and Students" organized by Star International Foundation for Research and Education on 17th Sep 2025.
- ✿ **Mrs. S. Vimala**, Assistant professor, Artificial intelligence and Data science Department, participated in One day Online Workshop on "Build Your Financial Security: A Workshop for Professors and Students" organized by Star International Foundation for Research and Education on 17th Sep 2025.
- ✿ **Mrs. M. Vanitha**, Assistant professor, Artificial intelligence and Data science Department, participated in One day Online Workshop on "Build Your Financial Security: A Workshop for Professors and Students" organized by Star International Foundation for Research and Education on 17th Sep 2025.
- ✿ **Dr. M. Senthilkumar**, Professor of Artificial intelligence and Data science department attended e-Workshop on 'Integrating Artificial Intelligence for Research and Publications' at A.C.T. Academy, Kerala on 20th Sep 2025.
- ✿ **Dr. M. Senthilkumar**, Professor of Artificial intelligence and Data science department Participated Webinar on 'End to End Web-Development' at Yogii-Tech E-Learning Hub on 28th Sep 2025.



- ✿ **Mrs. E. Mathumitha**, Assistant Professor of Artificial intelligence and Data science department Participated Webinar on ‘End to End Web-Development’ at Yogii-Tech E-Learning Hub on 28th Sep 2025.
- ✿ **Mrs. P G. Gayathri**, Assistant Professor of Artificial intelligence and Data science department Participated Webinar on ‘End to End Web-Development’ at Yogii-Tech E-Learning Hub on 28th Sep 2025.
- ✿ **Dr. M. Senthilkumar**, Professor of Artificial intelligence and Data science department submitted of application for seeking Grant-In-Aid from CSIR for organizing a National Level Seminar on “Real-Time Intelligence in Cybersurity: Harnessing AI and ML for Adaptive Threat Detection and Defense” on 25th August 2025.
- ✿ **Dr. M. Senthilkumar**, Professor, participated one day Webinar on “End to End Web Development “organized by Yogii Tech E-Learning Hub on 28th Sep 2025.
- ✿ **Mr. N. Sarmiladevi**, Assistant Professor, participated one day Webinar on “End to End Web Development “organized by Yogii Tech E-Learning Hub on 28th Sep 2025.

FACULTIES NPTEL

Faculty Name	Name of the Course	Accomplishment
Dr. M. Senthilkumar	Artificial Intelligence Concepts and Techniques	Elite
Dr. G. Sumathi	Operating System Fundamentals	Elite
Mrs. A. Sangeetha	Cloud Computing	Successfully Completed
Mrs. S. Vimala	Programming in Java	Elite & Sliver
Mrs. N. Sarmiladevi	Introduction of Internet of Things	Elite
Mrs. M. Vanitha	Operating System Fundamentals	Elite
Ms. E. Mathumitha	Introduction of Internet of Things	Elite
Mrs. R. Subashini	Introduction of Internet of Things	Elite & Sliver
Mrs. A. Gowri	Cloud Computing	Successfully Completed
Dr. G. Sumathi	Privacy and Security in Online social media	Successfully Completed
Mrs. M. Vanitha	Introduction to Machine Learning	Successfully Completed

PATTENT

- ✿ **Dr. K. Baskar** published US patent, “Deep Learning – Based facial Recognition System with Privacy-Preserving Features”, Appl. No. 19/214,023, Pub.No.:US025/0285467 A1 on 11th Sep 2025.
- ✿ **Dr. K. Baskar** published UK Design Patent, “Smart Computing Device for Predictive Risk Management in Investments”, Design number:6448518 on 09 June 2025.
- ✿ **Mrs. N. Sarmiladevi** published patent, “Self-Activating Light Capsule using Passive Airflow-Responsive Unbalanced Ball Mechanism for Controlled Chemical Reaction without Electricity”, Appl.No.202541058343A, Publication on 04th July 2025.





INDUSTRIAL VISIT

S.NO	NAME OF THE FACULTY	COMPANY NAME	DATE OF VISIT
1	Dr. M. SenthilKumar	Zealous Tech Corp,Salem	27.11.2025 to 29.11.2025
2	Dr. G. Sumathi	Zealous Tech Corp, Salem	27.11.2025 to 29.11.2025
3	Mr. M. Mohanraj	ArcGX, Trichy	19.11.2025 to 21.11.2025
4	Mrs. S. Vimala	Atrity info solutions pvt Ltd, Trichy	24.11.2025 to 26.11.2025
5	Mrs. A. Sangeetha	Atrity info solutions pvt Ltd, Trichy	27.11.2025 to 29.11.2025
6	Mrs. N. Sarmiladevi	ST SOFTWARE SOLUTION, Tirupur	27.11.2025 to 29.11.2025
7	Mrs. M. Vanitha	GR SOFT TECH, Trichy	08.12.2025 to 10.12.2025
8	Mrs. P.G. Gayathri	Galwin Technology, Trichy	27.11.2025 to 29.11.2025
9	Mrs. E. Mathumitha	SD PRO Solutions Pvt.Ltd., Trichy	24.11.2025 to 26.11.2025
10	Mr. S. Sathishkumar	ArcGX, Trichy	24.11.2025 to 26.11.2025
11	Mrs. R. Subashini	SD PRO Solutions Pvt.Ltd, Trichy	24.11.2025 to 26.11.2025
12	Mrs. A. Gowri	GR SOFT TECH, Trichy	08.12.2025 to 10.12.2025

VALUE ADDED COURSE

- Web Application Development
- Machine Learning with AI Applications

STUDENTS CONTRIBUTION

Prize won by Students in competitions:

- R.Sudharshana of IV year won I prize and Rs. 5,000 cash prizes in the district-level speech competition organized by the Tamil Nadu Government on 11th July 2025.
- S.Harini and M.Janani of II year won II Prize in Paper Presentation at the National-level Technical Symposium "SYMCOSCI'25", Muthayammal Engineering College on 13th August 2025.



- P.Priyadharshini, M.Manjari, B.Sathiyasri and A.S.Nivethika of III year won I Prize in Paper Presentation at Electrosark'25 at Indra Ganesan College of Engineering on 26th August 2025.





- ❁ Narmatha S II year won I Prize in Quiz at Electropark'25, Indra Ganesan College of Engineering on 26th August 2025.



- ❁ Nathiya A and Rohini of II year won II Prize in Quiz at Electropark'25, Indra Ganesan College of Engineering on 26th August 2025.
- ❁ Yogeswari.G of II year won II Prize in Paper Presentation at Electropark'25, Indra Ganesan College of Engineering on 26th August 2025.
- ❁ Janani.S of II year won I Prize in Project Expo at TECHNOMIND'25, Karpagam Institute of Technology on 13th September 2025.



- ❁ Sivakumar P of IV year won I Prize in the Technical Event “Cyber Challenge” at Sengunthar Engineering College on 25–26.09.2025.
- ❁ R.Sudharshana of IV year won II prize in a speech competition by Tamil Valarchi Thurai with a cash reward of Rs. 3000.





- ❁ Vetri Selvi S of IV year won III prize in South zone - Andra Pradesh, Table tennis women.



➤ Paper Presentation by the Students:

- ❁ 103 Students from Artificial Intelligence and Data Science presented a paper presentation in other colleges

➤ Technical Events

- ❁ 54 Students from Artificial Intelligence and Data Science participated in Technical Events in other colleges
- ❁ 22 Students from Artificial Intelligence and Data Science participated in Project Expo in other colleges
- ❁ 36 Students from Artificial Intelligence and Data Science participated in technical events in other colleges
- ❁ 3 Students has participated in Project Expo in National Level Technical Project Exhibition organized by Karpagam Institute of Technology held on 13th Sep 2025.
- ❁ 2 Students has participated in Project Expo in National level Technical Symposium organized by KPR Institute of Technology held on 27.09.2025.

➤ Students Seminar/ Webinar/ Workshop

- ❁ 73 Students from Artificial Intelligence and Data Science attended Seminar /Webinar/Workshop.

➤ IIT Spoken Tutorial:

- ❁ 67 Students from IV-year AD Department completed IIT Spoken Tutorial on “Java Script”
- ❁ 53 Students from III-year AD Department completed IIT Spoken Tutorial on “R”

»» STUDENT NPTEL

Year	Title	Number of Students
II	Introduction to Operating System	7
II	Deep Learning	4
II & III	Introduction to Internet of Things	9
II	Operating System Fundamentals	21
II	Bigdata	20
III	Cloud Computing	20
III	Cyber Security and Privacy	2
III	Privacy and Security in Online social media	2
III	Data Science Using Python	3
III	Ethical Hacking	1

»» OTHERS:

- Subhasri.S II Year Completed IoT-Network Specialist Certificate Programme conducted by Reliance Foundation Skilling Academy on 01st August 2025.
- IV-year Students Submitted 7 project in TNCST and 28 Teams submitted MSME funding Projects.

»» INTERNSHIP

- II yr AD went to various company.
 - Ideal Formatic Group of companies, Selam
 - Galwin Technology, Trichy
 - Infoem software solutions, Namakkal
 - GR Soft Tech, Trichy
 - Sun Software Solutions, Coimbatore
 - Prompt infotech, Coimbatore
 - Eagle-Hi Tech Softclou Private Limited, Chennai
 - Nexora Academy Pvt. Ltd., Trichy
 - Nextence, Thottiam
 - National Institute of Technology (NIT), Trichy
 - Virtual technology, Dindigul
 - Hindustan Aeronautics Limited, Bangalore
 - Sanjay T, Sowmiya A, Darshwana R S, Dhayalini S and Hareini S of III year completed in NIT Trichy.

»» Student Industrial Visit

- Artificial Intelligence and Data Science Department
 - 3rd year Students visit an CYDEZ Technologies, Kakknad, Kerala on 2nd August 2025
 - 2nd year A Sec students visit CYDEZ Technologies, Kakknad, Kerala on 2nd August 2025
 - 2nd year B Sec students visit iROHUB Infotech Private Limited, Cochin, Kerala on 2nd August 2025.



AIoT (AI + IoT):



The term AIoT blends IoT connectivity with AI-driven deep learning and advanced analytics. This cutting-edge technology is founded by incorporating AI into IoT infrastructures, amplifying data value many times. AIoT enables an algorithm that improves communication and applies predictive capabilities to give businesses a competitive edge. Simply put, the data gathered by distributed nodes fuses AI and IoT using AI techniques such as machine learning and deep learning.

The applications of augmented AIoT technology cover personal devices, end-user computers, enterprise machinery, and so on. In the consumer space, AI and IoT have found a home in security cameras, smart appliances, and home management systems, such as the thermostat.

The applications of augmented AIoT technology cover personal devices, end-user computers, enterprise machinery, and so on. In the consumer space, AI and IoT have found a home in security cameras, smart appliances, and home management systems, such as the thermostat.



SPATIAL COMPUTING (AR/VR/MR)



Spatial Computing integrates digital info with the physical world using AR (overlay), VR (full immersion), and MR (blended interaction), creating 3D experiences where devices understand and respond to real space via sensors, AI, and gestures, enabling seamless digital-physical interaction for everything from gaming and meetings to complex enterprise tasks like remote assistance and data visualization, all under the umbrella of Extended Reality (XR).

Spatial computing moves computing beyond flat screens, creating a responsive, digital layer integrated into our physical world, fundamentally changing human-computer interaction and paving the way for the metaverse.



Generative AI 2.0:



Generative AI creates new content, like text or images, based on patterns in data. Large Language Models (LLMs) are a powerful form of this AI, generating human-like text, while Small Language Models (SLMs) focus on specialized tasks with less data. Retrieval-Augmented Generation (RAG) enhances these models by pulling in external information for more accurate results.

AI Agents use generative AI to autonomously perform tasks such as writing or research. Together, they represent cutting-edge advancements in automation and creativity.





AI + Robotics / Embodied Intelligence:



Embodied Intelligence (EI) or Embodied AI represents the critical frontier where artificial intelligence transitions from digital reasoning to physical action. Unlike traditional AI, which processes abstract data, embodied intelligence integrates perception, cognition, and action through a physical form—such as a humanoid robot, autonomous vehicle, or smart warehouse system—to interact directly with the real world.

Unlike traditional "disembodied" AI, which processes static datasets in virtual spaces, embodied intelligence requires a physical or virtual body (such as a robot, autonomous vehicle, or digital twin) that uses sensors to perceive and actuators to act, thereby closing a dynamic "perception-action loop".



Vibe Coding:



"Vibe coding" is a software development approach that prioritizes natural language conversation with AI over manual, line-by-line programming. Popularized by AI researcher Andrej Karpathy in early 2025, it represents a paradigm shift where the "hottest new programming language is English".

Industry experts generally recommend a hybrid approach called Responsible AI-assisted development, where AI handles the boilerplate but human developers remain responsible for architecture, security, and final code review.





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DEPARTMENT VISION & MISSION STATEMENT

VISION

To produce globally competent engineers in the field of Artificial Intelligence and Data Science with a focus on emerging computing needs of the industry and society.

MISSION

- Enrich the students' skills, knowledge with interdisciplinary skill sets by cognitive learning environment and industrial collaboration.
- Promote quality and value based education towards emerging computing needs of the industry and entrepreneurship skills among students.
- Provide for students with leadership qualities, ethical and human values to serve the nation and focus on students' overall development.

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