ERODE SENGUNTHAR ENGINEERING COLLEGE

DEPARTMENT OF

ARTIFICIAL INTELLIGENCE AND DATA SCIENCE - 2024 25

About Us

Data Science basically is an amalgamation of mathematics, programming, statistics and design which are applied in order to successfully manage digital data collection.

Artificial Intelligence (AI) is the simulation of human intelligence by machines. In other words, it is the method by which machines demonstrate certain aspects of human intelligence like learning, reasoning and self- correction.

Vision

Excellence in the domain of Artificial Intelligence and Data Science for sustainable development.

Mission

To impart quality education with regard to existing and evolving AI & DS techniques.

To groom students technologically superior and ethically strong.

To equip students with interdisciplinary skill sets require to cater the needs of the society.

To Collaborating with various Industries to make students industry ready.

Association Activities

The Department of Artificial Intelligence and Data Science has organized a Workshop on "The future Unfolds: Navigating careers and projects in the world of Emerging AI" on 16.08.2024 by the resource person.

The Department of Artificial Intelligence and Data Science has organized a five day workshop on "Foundations of lattice based cryptography" from 23.9.2024 to 27.09.2024 with the resource person Revathi Gopalan, Senior Skill Development Engineer, Yellowmatics, Coimbatore and Dr.S.Harihara Gopalan, Founder and CEO of Zyphron Technologies Pvt Ltd,Bangalore.

The Department of Artificial Intelligence and Data Science has organized a five day workshop on "Deep Learning Algorithms" from 23.9.2024 to 27.09.2024 with the resource person Dr.B.Ezhilavan, Founder & CEO,VEI Technologies Pvt Ltd, Chennai.

The Department of Artificial Intelligence and Data Science has organized a workshop on "Data Analytical Tools" on 13.11.2024 by the resource person Mr.Santhosh Kumar K, Accent Techno Soft(ATS), Business Development and Zonal Manager.

The Department of Artificial Intelligence and Data Science has organized a Seminar on "Transform your Web Design with the Power of AI at your Fingertips" on 22.10.2024 by the resource person Mr.Jayasurya Gnanavel, Founder & CEO, Cybernaut Edu-Tech Company LLP.

The Department of Artificial Intelligence and Data Science has organized a Seminar on "Transforming IOT Devices with Machine Learning Integration" on 23.10.2024 by the resource person Mr.Boopathy Pandi, Chief Technical Executive, Monzha Research Labs, Cochin, Kerala.

The Department of Artificial Intelligence and Data Science has organized a Workshop on "Generative AI for Game Designers" on 07.11.2024 by the resource person Mr.Jeffrey Daniel, Full Stack Development, Xplore Intellects Private Ltd, Coimbatore.

The Department of Artificial Intelligence and Data Science has organized a Guest Lecture on "An Overview of Trending Concepts in Big Data with R Programming" on 13.11.2024 by the resource person Mr.S.Alagupandi, Technical Head, Training Department of CSE, United Soft Tech Pvt Ltd, Salem.

The Department of Artificial Intelligence and Data Science organized a Workshop on the career guidance program "The Role of soft skills in professional and personal growth" on 21.11.2024.

The Department of Artificial Intelligence and Data Science has organized the second International Level Conference on "Intelligent Computing and Information Technology" (ICIT-25) held on March 03th and 04th 2025.

The Department of Artificial Intelligence and Data Science has organized ANRF a sponsored Five days National Level Workshop on "Securing Intelligence: Addressing Privacy and Security Challenges in AI and Machine Learning for Autonomous Systems and Robots" from 3rd to 7th of March 2025

The Department of Artificial Intelligence and Data Science has organized National Level Conference on "Artificial Intelligence and Machine Learning" (NCOAIML-2024) held on 27.12.2024.

The Department of Artificial Intelligence and Data Science has organized guest lecture "Hack the Unknown: Solving Real-World Challenges with Code" held on 20.03.2025.

The Department of Artificial Intelligence and Data Science has organized AICTE Training and Learning (ATAL) Academy Sponsored Online 6-Days Faculty Development "Innovative Design Thinking Strategies for Next Generation AI Solutions" during 3rd – 8th February 2025.

The Department of Artificial Intelligence and Data Science has organized ANRF a sponsored National level workshop "Bridging the Security Gap Between AI Systems and Human Users with Explainable AI (XAI) "held on 4th and 5th March 2025.

DEPARTMENT FACULITY MEMBERS

S.No	Name of the Faculty	Designation
1.	Dr.Saravanan G	Professor
2.	Dr.Subashini K	Professor
3.	Mr.SenthilKumar C	Assistant Professor
4.	Mr.Pavun kumar D	Assistant Professor
5.	Ms.Jamuna R	Assistant Professor
6.	Mr.Kalidas P	Assistant Professor
7.	Ms.Linett Sophia D	Assistant Professor
8.	Ms.Viji D	Assistant Professor
9.	Ms.Savitha D	Assistant Professor
10.	Mr.Ramakrishnan S	Assistant Professor
11.	Ms.Mohanapriya B	Assistant Professor
12.	Mr.Mahalingam M	Assistant Professor
13.	Mr.GokulaKrishnan A	Assistant Professor
14.	Ms.Archana Devi S	Assistant Professor
15.	Ms.Vanitha T	Assistant Professor
16.	Ms.Jothilakshmi	Assistant Professor
17.	Mr.M.Senthilkumar	Assistant Professor

ASSOCIATION – OFFICE BEARERS

ARUNESH
IV – AI&DS
PRESIDENT

LOKAABISHEK
III – AI&DS - A
JOINT SECRETARY

KAVIN K
IV – AI&DS
VICE-PRESIDENT

MUGUNTHAN
III – AI&DS - B
TREASURER

PORANA JEYANTH
NATHAN
III – AI&DS

BHUBALAN S
III -AI&DS – A

DHUSHYANTH S M
III – AI&DS - A

FACULTY ACHIEVEMENTS

- Dr.G. Saravanan, Professor of Artificial Intelligence and Data Science received sum of Rs.600000/- from AICTE, ATAL, advanced faculty Development program Titled "Embark on Hands on Journey into Artificial Mastery" from 02.09.2024 to 14.09.2024.

- Dr.G. Saravanan, Professor of Artificial Intelligence and Data Science received sum of Rs.20000/- from Tamilnadu State Council for Science and Technology, DOTE Campus, Chennai - 600 025

- Ms.R.Jamuna, Assistant Professor of Artificial Intelligence and Data Science has received sum of Rs.1,15,000/- from SERB to organize a two day seminar on "Intelligent Transport System Design with Augmented Realities and Virtual Realities" from 20.06.2024 to 21.06.2024.

- Ms.R.Jamuna, Assistant Professor of Artificial Intelligence and Data Science has received sum of Rs.1,00,000/- from SERB to organize a two day seminar on "Ethical Hacking and Cyber Security Tools" from 26.08.2024 to 27.08.2024.

- Ms.R.Jamuna, Assistant Professor of Artificial Intelligence and Data Science has received sum of Rs.2,00,000/- from SERB to organize a five day workshop on "Foundations of Lattice-based Cryptography" from 23.09.2024 to 27.09.2024.

- C.Senthilkumar Assistant Professor of Artificial Intelligence and Data Science has received sum of Rs.1,00,000/- from ANRF to organize two day national level seminar on "Quantum Computing in Scientific Simulations and Optimization for Real World Challenges" from

- P.Kalidas Assistant Professor of Artificial Intelligence and Data Science has received sum of Rs.2,00,000/- from ANRF to organize a five day seminar on "Securing Intelligence: Addressing Privacy and Security Challenges in AI and Machine Learning for Autonomous Systems and Robots"

- D.Linet Sophia Assistant Professor of Artificial Intelligence and Data Science has received sum of Rs.1,00,000/- from Department of Biotechnology to organize two day national level seminar on "Innovative Intelligence in forging Synergistic alliances for AI and Bioinformatics" from

- D.Linet Sophia Assistant Professor of Artificial Intelligence and Data Science has received sum of Rs.20,000 from TNSCST to organize two day national level workshop on "Implications of Artificial Intelligence for Medical image Processing: Its Challenges and Research opportunities"

- M.Jothilakshmi Assistant Professor of Artificial Intelligence and Data Science has received sum of Rs.1,15,000/- from ANRF to organize a workshop on "Bridging the security gap between AI systems and human users with Explainable AI(XAI) from 4th to 5th March 2025.

- M.Mahalingam Assistant Professor of Artificial Intelligence and Data Science has received sum of Rs.1,00,000/- from ANRF to organize a workshop on AI-Driven Automation In Blockchain-Enabled IoT Networks Transforming Smart Ecosystems For A Decentralized Future

FACULTY ACTED AS RESOURCE PERSON

- Dr.G.Saravanan Professor, Department of Artificial Intelligence and Data Science acted as a resource person and delivered a lecture on "AI Tools Organized by Department of Mathematics" organized by Erode Sengunthar Engineering college on 04.09.2024.

- Ms.D.Viji Assistant Professor, Department of Artificial Intelligence and Data Science has acted as a resource person and delivered a lecture on "Perspectives in the Emerging law of Communication Systems" organized by Annapoorana Engineering College, Salem on 20.09.2024.

- Dr.G.Saravanan Professor, Department of Artificial Intelligence and Data Science acted as a resource person and delivered a lecture on "Distributed computing" organized by Shree Sathyam College of Engineering and Technology on 03.10.2024.

BOOKS/BOOK CHAPTER AUTHORED, EDITED

- Dr.G.Saravanan Professor, Department of Artificial Intelligence and Data Science has published a book chapter on "Reinforcement Learning for Adaptive Mechactronics systems", computational Intelligent Techniques in Mechatronics 22.10.2024, Pages 135-184, John Wiley & Sons.

- Mr.G.Saravanan Professor, Department of Artificial Intelligence and Data Science has published a book chapter on "Fuzzy logic and its applications in Mechatronic control systems", computational intelligent techniques in mechatronics 22.10.2024, Pages 211-241, John Wiley & Sons.

- Ms.R.Jamuna Assistant Professor, Department of Artificial Intelligence and Data Science has published a book "Computer Architecture", charulatha publications, ISBN:13:978-93-5577-737-9.

- Ms.D.Linett Sophia Assistant Professor, Department of Artificial Intelligence and Data Science has published book "Microelectronics and VLSI Design", Scientific International publishing House ISBN:978-93-6674-868-9.

- Ms.B.Mohanapriya Assistant Professor, Department of Artificial Intelligence and Data Science has published book "An Overview of Semantic Web", ISBN:978-93-6010-471-9.
- Ms.D.Savitha Assistant Professor, Department of Artificial Intelligence and Data Science has published book "An Overview of Semantic Web", ISBN:978-93-6010-471-9.
- Ms.D.Viji Assistant Professor, Department of Artificial Intelligence and Data Science has published a book chapter on "Morphological Image Processing Techniques for Shape Analysis Object Recognition and Image Reconstruction", Image Processing Techniques and its Applications in Computer Vision and Artificial Intelligence 13.11.2024, Pages 29, Indexed in Google Scholar.
- Mr.Kalidas P Assistant Professor, Department of Artificial Intelligence and Data Science has published book "Introduction to AI Tools: Transforming Your Imagination into Reality",Prime International Publication ISBN:978-93-6010-688-

PATENTS PUBLISHED BY FACULTY

- Mr.C.Senthilkumar Assistant Professor, Department of Artificial Intelligence and Data Science has published a patent on "A Machine Learning Approach for Predicting Entrepreneurial Success in Higher Education" Application No. 202441068871 A, Patent Office Journal No. 38/2024 Dated 20.09.2024.
- P.Kalidas Assistant Professor, Department of Artificial Intelligence and Data Science has published a patent on "Integrated System for Cyclone Detection, Prediction, and Tracking Using AI-Driven Ensemble Models, Satellite Data, and Coupled Ocean-Atmosphere Simulations" Application No. 2025410076 18A,Patent Office Journal No. No:06/25 Dated 07.02.2025.
- M.Mahalingam Assistant Professor, Department of Artificial Intelligence and Data Science has published a patent on "System And Method For Predicting And Managing Student Stress Using Artificial Intelligence And Physiological Data Analysis", Application No. 202441096876 A, Dated 13.12.2024
- Mr.C.Senthilkumar Assistant Professor, Department of Artificial Intelligence and Data Science has published a patent on "Improving Student Performance with IoT-

Enhanced Learning Environments: A Machine Learning Perspective" Application No. 202441068879 A, Patent Office Journal No. 38/2024 Dated 20.09.2024.

- Ms.R.Jamuna, Assistant Professor, Department of Artificial Intelligence and Data Science has published a patent on "Data Science and Machine Learning Based System and Method for Enhancing Healthcare" Applications No. 202341019619 A, Dated 20.03.2024.

- Ms.D.Linett Sophia, Assistant Professor, Department of Artificial Intelligence and Data Science has published a patent on "Predictive Maintenance Device for Industrial Equipment using Machine Learning", Applications No. 202441053582, Dated 02.08.2024.

- Ms.D.Linett Sophia, Assistant Professor, Department of Artificial Intelligence and Data Science has published a patent on "IOT based Biomedical Device for Cancer Detection", Applications No. 436864 -001, Dated 28.01.2025

- Ms.B.Mohanapriya, Assistant Professor, Department of Artificial Intelligence and Data Science has published a patent on "Advancing Breast Cancer Detection With Machine Learning And Mass Imaging", Applications No. 202441060422 A, Dated 16.08.2024.

- Ms.D.Savitha, Assistant Professor, Department of Artificial Intelligence and Data Science has published a patent on "Machine Learning and IOT In Agriculture: Precision Rainfall Prediction and Crop Recommendation", Applications No. 202441060423 A, Dated 16.08.2024.

- Ms.D.Viji Assistant Professor, Department of Artificial Intelligence and Data Science has published a patent on "Design and High Performance Broadband Microstrip Patch Antennas for 5G Communication" Application No. 202441060422 A, Patent Office Journal No. 33/2024 Dated 16.08.2024.

- D.Linet Sophia Assistant Professor, Department of Artificial Intelligence and Data Science has published International Journal of Scientific Research and Technology "AI Driven Facial Recognition - based Photo Retrieval system" UGC Care listed, August 2024.

- D.Linet Sophia Assistant Professor, Department of Artificial Intelligence and Data Science has published Journal of Computers Mechanical and Management "Enhancing Educational Experiences through Animation" UGC Care listed, October 2024.

- Mr.C.Senthilkumar Assistant Professor, Department of Artificial Intelligence and Data Science has published a Scopus Indexed journal "Optimizing Electricity Theft Detection using Neural Turing Machines and Machine Learning", IEEE Xplore, December 2024.

- Mr.P.Kalidas Assistant Professor, Department of Artificial Intelligence and Data Science has published a Web of Science Indexed Journal "The Role of Generative AI in Shaping the Future of Machine Learning", Musik in Bayern Web of Science, December 2024.

- D.Linet Sophia Assistant Professor, Department of Artificial Intelligence and Data Science has published a Scopus journal "Revolutionizing Lung cancer Diagnosis with Machine Learning and Matlab" Nanotechnology Perceptions, December 2024.

- A.Gokulakrishnan Assistant Professor, Department of Artificial Intelligence and Data Science has published a Web of Science Indexed Journal "Hybrid Machine Learning models: Trends in Combining and Neural Approaches", Musik in Bayern Web of Science, December 2024.

- A.Gokulakrishnan Assistant Professor, Department of Artificial Intelligence and Data Science has published a patent on "AI-Driven Dynamic Prediction System For Stock Market Trends Using Multimodal Data And Adaptive Machine Learning Models", Application No.202541001354 ,Patent Office Journal No. Issue No:03/25 Dated on 17.01.2025.

- T.Vanitha Assistant Professor, Department of Artificial Intelligence and Data Science has published a Scopus Indexed journal "AI in Agriculture: Precision Farming and Crop Monitoring", Journal of Computational Analysis and Applications, VOL. 33, NO. 4, 2024.

- S.Archanadevi Assistant Professor, Department of Artificial Intelligence and Data Science has published a Scopus journal "Exploring the Synergy between Transfer

Learning and Reinforcement Learning for Autonomous Decision Making", Nanotechnology Perceptions, Dec 2024.

- M.Mahalingam Assistant Professor, Department of Artificial Intelligence and Data Science has published a UGC Care Listed "Advanced AI Driven Detection For Deceptive Content A Skeptical Approach ", International Journal of Trendy Research In Engineering And Technology, Dec 2024.

- Mr.C.Senthilkumar Assistant Professor, Department of Artificial Intelligence and Data Science has published a Scopus Indexed journal "Computational Intelligence to Progress in WMN", Springer Series, February 2025.

- D.Viji Assistant Professor, Department of Artificial Intelligence and Data Science has published a Scopus Indexed journal "Semantic Web and AI: Knowledge Representation and Reasoning" Journal of Computational Analysis and Applications VOL. 33, NO. 4, 2024.

- D.Viji Assistant Professor, Department of Artificial Intelligence and Data Science has published a Scopus Indexed journal "FPGA Implementation of XOR-MUX based Full Adder and Truncated Multiplier for Signal Processing Applications",IEEE Xplore 2473-7674,Nov' 2024.

- Mr.D.Pavunkumar Assistant Professor, Department of Artificial Intelligence and Data Science has published an Indexed in Google Scholar "Web-Based Academic Platform for Optimizing Student Database Management and Communication", International Research Journal on Advanced Science Hub (IRJASH) JAN-2025.

- M.Mahalingam Assistant Professor, Department of Artificial Intelligence and Data Science has published a Scopus Journal "AI-Powered Innovations in Predictive Analytics for Sustainable Development", International Journal of Educational Research, Feb 2025.

FDP/STTP/WORKSHOP/NATIONAL AND INTERNATIONAL CONFERENCES/SPECIAL LECTURES ATTENDED BY THE FACULTY

- Dr.K.Subashini Professor, Department of Artificial Intelligence and Data Science has attending a Inrenational conference titled "The Role of Technology and Management in Fulfilling the Sustainable Development Goals for Green Future" at Erode Sengunthar Engineering College on Nov 29,2024.

- C.Senthilkumar Assistant Professor, Department of Artificial Intelligence and Data Science has attending a Department of Artificial Intelligence and Data Science has attending a Inrenational conference titled "Innovative Learning Using Artificial Intelligence and Augmented Reality" Organised by Department of Computer Applications at Kristu Jyoti College of Management and Technology, Chethipuzha P.O, Changanacherry, Kerala, India & RSP Research Hub, Coimbatore, Tamil Nadu, India during 28.11.2024 to 29.11.2024.

- C.Senthilkumar Assistant Professor, Department of Artificial Intelligence and Data Science has attending a Department of Artificial Intelligence and Data Science has attending a International Conference on Software, Systems and Information Technology (SSITCON) titled "Optimizing Electricity Theft Detection using Neural Turing Machines and Machine Learning" Organized by Department of Information Science Engineering at Sri Siddhartha Institute of Technology during 18.10.2024 to 19.10.2024

- P.Kalidas Assistant Professor, Department of Artificial Intelligence and Data Science has attending a Department of Artificial Intelligence and Data Science has attending a International Conference on Multidisciplinary Research on Integrating Knowledge for Sustainable Future in Global Outlook titled "Comprehensive Student Activity Detection with Ensemble Deep Models" at DMI .ST.JHON the Baptist University and Multi Spectrum Rural Skill Development and Educational Trust, Kanyakumari,Tamil Nadu on 02.10.2024.

- D.Pavunkumar Assistant Professor, Department of Artificial Intelligence and Data Science has attending a Department of Artificial Intelligence and Data Science has

attending International Conference on Recent Advance in Engineering and Computer Applications (ICRAECA-2025) titled "AI-ML Based Intelligent De-Smoking /De-Hazing Algorithm" by L.J University,Gujarat,Indian during 24.01.2025 to 25.01.2025.

- P.Kalidas Assistant Professor, Department of Artificial Intelligence and Data Science has attending a Department of Artificial Intelligence and Data Science has attending a Fifth International Conference on Current Trends in Material Science and engineering (CTMSE 2025) titled "Advanced Classroom Monitoring and Activity Detection System- Through Ensemble Seep Models" by Institute of Engineering & Management , Kolkata School of University Engineering and management during 28.02.2025 to 02.03.2025.

- D.Linet Sophia Assistant Professor, Department of Artificial Intelligence and Data Science has attending a Department of Artificial Intelligence and Data Science has attending a International Conference on medical devices Diagnostics, imaging, Digital Technologies (ICMDID 2024) titled "Enhancing Educational Experience through animation" Organized by Department of Electronics and Communication Engineering at Rajalakshmi Engineering College,Chennai. During 21.08.2024 and 22.08.2024.

- D.Linet Sophia Assistant Professor, Department of Artificial Intelligence and Data Science has attending a Department of Artificial Intelligence and Data Science has attending a International Conference on Computing and Intelligent Reality Technologies (ICCIRT 2024) titled "Pinnancle of Steganography security with Fernet" Organized by Division of Computer science and Engineering & AIML at Karunya Institute of Technology and sciences, Coimbatore from 05.12.2024 to 06.12.2024.

- D.Savitha Assistant Professor, Department of Artificial Intelligence and Data Science attended a 2nd National Conference on "Recent Advances in Design, Information Retrieval and Knowledge Management (NCRIKM-2024) at Bannari Amman Institute of Technology on 17.12.2024.

- D.Savitha Assistant Professor, Department of Artificial Intelligence and Data Science has attended a 3rd International Conference On Innovative Material and

- Smart Solution for Substainability (ICIMSSS-24) titled "Medical Image Steganography With Cryptograpic Encryption Optimized By Using Double Huffman Algorithm" at K.S.R. College of Engineering on 27.12.2024 and 28.12.2024.

- T.Vanitha Assistant Professor, Department of Artificial Intelligence and Data Science attended Second International Conference on Environment, Economy, Management, Science and Technology (ICEEMST-II) 2024 titled "Web-Based Academic Platform for Optimizing Student Database and Communication" Jointly Organized by Department of Environmental Science, SIES (Nerul) College of Arts, Science and Commerce (Autonomous), Navi Mumbai, India & Global Conference Hub, Coimbatore, Tamil Nadu, India

- M.Jothilakshmi Assistant Professor, Department of Artificial Intelligence and Data Science attended Fourth International Conference On Modern Computing Trends And Technology (Icmctt-Iv)2024 titled " Advanced Kinetic Activity And Physiotherapy Monitoring System Using Cv And Deep Learning" Kristu Jyoti Cololege Of Management And Technology, Chethipuzha P.O Changanacherry, Kerala during 28th Nov to 29th Nov 2024.

- M.Mahalingam Assistant Professor, Department of Artificial Intelligence and Data Science attended AICTE Sponsored National Conference on "Artificial Intelligence in Health and Medical Science" titled "Speech Therapy Analysis and Monitoring" at Karpagam Institute of Technology dated on 21st and 22nd March 2025.

- Ms.D.Linett Sophia Assistant Professor, Department of Artificial Intelligence and Data Science has Participated in a three day workshop on "Gen AI" organized by AICTE- VAANI at Vel Tech Rangarajan Dr.Sagunthala from 3rd June 2024 to 5th June 2024.

- Ms.D.Viji, Ms.R.Jamuna Assistant Professor, Department of Artificial Intelligence and Data Science have participated in a one week Anna University FDTP on "CCS349 - Image and Video Analytics" at KPR Institute of Engineering and Technology from 10th June 2024 to 15th June 2024.

- Ms.R.Jamuna Assistant Professor, Department of Artificial Intelligence and Data Science participated in a one week Anna University FDP on "APP

DEVELOPMENT" at Ramakrishna College of Engineering from 18th June 2024 to 24th June 2024.

- Mr.A.Gokulakrishnan, Mr.P.Kalidas Assistant Professor, Department of Artificial Intelligence and Data Science have participated in a seven day online Faculty Development Programme on "Essential Skills for Professional Development in Higher Education" Organized by Star International Foundation Research and Education, Namakal from 01st July 2024 to 07th July 2024.

- Mr.P.Kalidas, Ms.S.Archanadevi, Ms.R.Jamuna, Ms.D.Viji, Ms.B.Mohanapriya, Ms.D.Savitha, Mr.M.Senthil Kumar, Assistant Professor, Department of Artificial Intelligence and Data Science have participated in a one week AICTE Recognized Faculty Development Programme on "OpenCV for Image and Video Processing Applications" Organized by Department Of CSE, NITTR, Chandigarh from 10th July 2024 to 14th July 2024.

- Ms.D.Linett Sophia Assistant Professor, Department of Artificial Intelligence and Data Science has Participated in a six day FDTP on "Industrial IoT and Industry 4.0 at Rathinam Technical Campus, Coimbatore, from 22nd July 2024 to 27th July 2024.

- Mr.M.Mahalingam Assistant Professor, Department of Artificial Intelligence and Data Science has Participated in a six day Faculty Development Programme on "Big Data Analytics" Organized by Department Of Information Technology, National Engineering College, Kovilpatti from 22nd July 2024 to 27th July 2024.

- Ms.D.Viji, Ms.D.Savitha Assistant Professor, Department of Artificial Intelligence and Data Science have participated in a seven day online Faculty Development Programme on "Personality Development" Organized by Department Of CSE, NITTR, Chandigarh from 5th Aug 2024 to 9th Aug 2024.

- Mr.C.Senthilkumar Assistant Professor, Department of Artificial Intelligence and Data Science Completed "NEP 2020 Orientation & Sensitization Programme" under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC), organized by UGC-Malaviya Mission Teacher Training Centre (UGC-MMTTC), Bharathidasan University, Tiruchirappalli, Tamil Nadu from 05th Aug 2024 to 14th Aug 2024 and obtained the Grade 'A'.

- Mr.P.Kalidas Assistant Professor, Department of Artificial Intelligence and Data Science has attended One Week Professional Development Program on "GENERATIVE AI" Organized by Department of Computer Science and Engineering (AI & ML), Varthaman College of Engineering and IEEE Student Branch, Bangalore, from 27th Aug 2024 to 31st Aug 2024.

- Ms.R.Jamuna, Mr.P.Kalidas, Ms.B.Mohanapriya, Mr.M.Mahalingam, Ms.D.Viji, Ms.D.Savitha Assistant Professor, Department of Artificial Intelligence and Data Science have participated Seven Days Online Faculty Development Programme on "Deep Learning for Engineering Applications" Organized by Department Of CSE, NITTR, Chandigarh from 02nd Sep 2024 to 06th Sep 2024.

- Mr.C.Senthilkumar Assistant Professor, Department of Artificial Intelligence and Data Science has participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on "Design of Internet of Things (IoT) Solutions for Sustainable Environment" at Dr. N.G.P Arts and Science College from 02nd Sep 2024 to 07th Sep 2024.

- Ms.R.Jamuna, Ms.S.Archanadevi Assistant Professor, Department of Artificial Intelligence and Data Science have participated in a two week ATAL FDP on "Generative AI With Knowledge Graphs" at VIT, Chennai from 2nd September 2024, to 14th September 2024.

- Mr.M.Senthil Kumar, Assistant Professor, Department of Artificial Intelligence and Data Science has participated in a two week ATAL offline Faculty Development Program on 'Embark on a Hands on Journey into Artificial Intelligence Mastery Organized By Department of CSE from Erode Sengunthar Engineering College, Erode from 02nd September 2024 to 14th September 2024.

- Mr.P.Kalidas Assistant Professor, Department of Artificial Intelligence and Data Science has attended one day National level workshop on 'AI IN INDUSTRIAL AUTOMATION' Organized by Department of Department of Artificial Intelligence and Data Science Excel Engineering College on 19th September 2024

- Ms.D.Viji, Ms.R.Jamuna, Mr.M.Mahalingam, Ms.M.Jothilakshmi, Ms.S.Archanadevi, Mr.A.Gokulakrishnan, Ms.B.Mohanapriya, Mr.M.Senthil Kumar, Ms.D.Savitha, Mr.P.Kalidas Assistant Professor, Department of Artificial

Intelligence and Data Science have participated in a one day workshop on "AI In Industrial Automation" at Excel Engineering College on 19th September 2024.

- Mr.P.Kalidas, Mr.M.Senthil Kumar, Mr.A.Gokulakrishnan, Assistant Professor, Department of Artificial Intelligence and Data Science have participated in a one day national level workshop on "'The Cloud Era of Azure" Organized by Department of School of CSE at Vellore Institute of Technology, Vellore on 21st September 2024.

- Mr.P.Kalidas Assistant Professor, Department of Artificial Intelligence and Data Science has participated in a one day national level workshop on "Artificial Intelligence" Organized by NoviTech, Research and Development Private Ltd Coimbatore on 22nd September 2024.

- Mr.P.Kalidas, Mr.A.Gokulakrishnan, Assistant Professor, Department of Artificial Intelligence and Data Science have participated in a five day FDP on "Evolving Landscape Of Data Science-Current Trends & Patterns" Organized by Department of Department of Computer Application, Hindustan College of Arts and Science, Coimbatore from 23rd September 2024 to 27th September 2024.

- Ms.D.Viji Assistant Professor, Department of Artificial Intelligence and Data Science has participated in a six day offline ATAL FDP on "Micro and Fiber Optic Sensor" at Vellore Institute of Technology from 23rd September 2024 to 28th September 2024.

- Ms.R.Jamuna, Mr.M.Mahalingam, Assistant Professor, Department of Artificial Intelligence and Data Science participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on IOT: Current Applications And Emerging Trends at Karpagam College Of Engineering on 27th September 2024

- Ms.D.Savitha, Ms.M.Jothilakshmi, Ms.B.Mohanapriya, Ms.S.Archanadevi, Ms.D.Linett Sophia, Ms.R.Jamuna, Mr.M.Mahalingam Assistant Professor, Department of Artificial Intelligence and Data Science have participated in a one day workshop on "IOT: Current Applications And Emerging Trends" at Karpagam College of Engineering on 27th September 2024.

- Ms.R.Jamuna, Mr.A.Gokulakrishnan Assistant Professor, Department of Artificial Intelligence and Data Science have participated in one day workshop on "Digital Marketing Tools and Techniques" at Excel Engineering College on 4thOctober 2024.

- Ms.R.Jamuna, Ms.M.Jothilakshmi Assistant Professor, Department of Artificial Intelligence and Data Science have participated in a two day seminar on "Quantum Computing and National Security: Implications for Defense Systems" at Kongu Engineering College from 14thOctober 2024 to 15thOctober 2024.

- Mr.M.Senthil Kumar, Mr.P.Kalidas, Mr.A.Gokulakrishnan Assistant Professor, Department of Artificial Intelligence and Data Science have attended in a one week ATAL offline Faculty Development Program on "Demystifying Machine Learning using Python" Organized by Department of CSE Mount Zion College of Engineering and Technology, Pudukkotai from 14th October 2024 to 19th October 2024.

- Ms.D.Linett Sophia Assistant Professor, Department of Artificial Intelligence and Data Science has attended in a five day online FDP on "Smart Intelligence: Cutting edge Trends and practical Applications of AI" organized by Division of Digital Sciences, Karunya Institute of Technology, Coimbatore from 15th October 2024 to 19th October 2024.

- Ms.D.Linett Sophia, Mr.P.Kalidas, Assistant Professor, Department of Artificial Intelligence and Data Science have Participated in a one day workshop on "Artificial Intelligence in Action: Essential tools powering Modern Education" Organized by Global Society for Technical Education in Association with Rising Star Software, Punjab on 16th October 2024.

- Ms.R.Jamuna, Assistant Professor, Department of Artificial Intelligence and Data Science has participating on "Infosys Springboard Pragati: Path to Future In-person offline sessions" at Infosys Bangalore Development Centre(DC) from 11th November to 15th November 2024.

- Ms.D.Viji, Ms.D.Savitha, Assistant Professor, Department of Artificial Intelligence and Data Science has participating on "Infosys Springboard Pragati: Path to

Future"at Infosys Bangalore Development Centre(DC) from 11th November to 15th November 2024.

- Ms.D.Viji, Assistant Professor, Department of Artificial Intelligence and Data Science has Presented a paper titled "FPGA Implementation of XOR-MUX based Full Adder & Truncated Multiplier for Signal Processing Applications" in the International IEEE Conference on Computing, Communication and Networking Technologies (ICCCNT) organized by IIT, Mandi 24th to 28th June 2024.

- Mr.M.Senthil Kumar, Assistant Professor, Department of Artificial Intelligence and Data Science has Presented a paper titled "Predicting Flight Delays and Error calculation using Machine Learned Classifiers" in the International Conference on Electronics and Sustainable Communication Systems (ICESC-2024) organized by Hindustan Institute of Technology Coimbatore on 7th to 8th Aug 2024.

- Mr.Kalidas P, Assistant Professor, Department of Artificial Intelligence and Data Science has Presented a research paper titled "Comprehensive Student Activity Detection with Ensembled Deep Models" in International Conference on Multidisciplinary Research on Integrating Knowledge for Sustainable Future in Global Outlook organized by DMI.S.T.John The Baptist University, Malawi, central Africa on 2nd October 2024.

- Mr.C.Senthilkumar, Assistant Professor, Department of Artificial Intelligence and Data Science has Presented a paper titled "Optimizing Electricity Theft Detection Using Neural Turing Machines and Machine Learning" in the International Conference on Software, Systems and Information Technology (SSITCON-2024) organized by the Department of Computer Science Engineering and Department of Information Science Engineering, Sri Siddhartha Institute of Technology, Tumakuru on 18th & 19th October 2024.

- Mr.G.Saravanan, Professor, Department of Artificial Intelligence and Data Science has Presented a paper titled "AI-Powered You Tube Video Analysis System for the Title and Description Optimization" in the International Conference on Recent Advances in Computer Science and Information Technology (ICRACSIT) organized by World Research Forum for Engineers and Researchers, Thiruvananthapuram on 14th November 2024.

- Mr.M.Senthil Kumar, Assistant Professor, Department of Artificial Intelligence and Data Science has Presented a paper titled "AI-Powered You Tube Video Analysis System for the Title and Description Optimization" in the International Conference on Recent Advances in Computer Science and Information Technology (ICRACSIT) organized by World Research Forum for Engineers and Researchers, Thiruvananthapuram on 14th November 2024.

- Ms.Jamuna R, Assistant Professor, Department of Artificial Intelligence and Data Science has Presented a paper titled "Trove.AI – A Full-Stack chatbot for Dynamic Data Interaction and Query Resolution" in the International Conference on Recent Advances in Computer Science and Information Technology (ICRACSIT) organized by World Research Forum for Engineers and Researchers, Thiruvananthapuram on 14th November 2024.

- Mr.M.Senthil Kumar, Assistant Professor, Department of Artificial Intelligence and Data Science has Presented a research paper titled "Hierarchical Model for Email Fraud Detection using Naïve Bayes and SVM" in the 2024 First IEEE International Conference for Women in Engineering (INCOWOCO 2024) organized by Symbiosis Institute of Computer Studies and Research (SICSR), Symbiosis International (Deemed University), Pune, Maharashtra on 14th and 15th November 2024.

- Mr M.Senthil Kumar, Assistant Professor, Department of Artificial Intelligence and Data Science has Presented a research paper titled "Improving Cybersecurity Measures through the Revelation of Malignant URLS using Machine Learning Techniques" in the 5th IEEE International Conference on Data Intelligence and Cognitive Informatics organized by SCDA College of Engineering and Technology, Cheranmahadevi, Tamilnadu on 18h to 20th November 2024.

STUDENTS ACHIEVEMENTS

Selvi Ms.E.Sharon Deborah, final year student from Artificial Intelligence and Data Science department was selected as an organizer for the Google Developer Groups (GDG) on campus on 11.09.2024.

Selvan Harish R, third year student from Artificial Intelligence and Data Science department and their team got runner in CM trophy hockey tournament dated on 17.09.2024

Selvan Harish R, third year student from Artificial Intelligence and Data Science department and their team got third zonal runner in Anna University zonal hockey tournament dated on 24.10.2024

Selvan M.S.Vishwanath, final year student from Artificial Intelligence & Data Science department, achieved a significant career milestone by being appointed as one of the Youngest Director at IntecAI Digital Limited Solutions in Chennai following his internship. This marks as outstanding step forward in his Professional Journey on 30.10.2024.

Selvi Ms. Sharon Deborah played a pivotal role in assisting approximately 80 students from the Artificial Intelligence and Data Science department to successfully complete a "Generative AI campaign" on 01.11.2024. Under her guidance, the students completed 15 skill badges within a month, resulting in the college being awarded Tier 1 status. All 80 students will be rewarded with prizes from the Google Developer Group study campaign. This underscores her dedication to enhancing student skills and promoting AI literacy.

Selvan Mr.Adalarasan, Selvan Mr.Lalith Madhavan, third year and Selvan Mr.Ranjith, second year students from Artificial Intelligence and Data Science department are participated in Innovative Project Idea and received "SMART CARD" organized by START-UP from TamilNadu on 16.11.2024.

Selvan Harish R, third year student from Artificial Intelligence and Data Science department and their team got third price in Centies Inter Collegiate Handball and hockey tournament dated on 20.02.2025

Selvi Kavipriya B, Selvi Chellishiba Gayathri B, Selvi Charulatha G, Selvan Guruprakash V K, second year students from Artificial Intelligence and Data Science department got second prize along with a cash prize of Rs. 3,000 in paper presentation in Sri Eshwar College of Engineering held during 20th to 22th feb,2025

Selvan Guruprakash V K, second year students from from Artificial Intelligence and Data Science department has participated in coding event and got third prize along with a cash prize of Rs. 500 at Kongu College of Engineering, Perundurai on 05th March 2025.
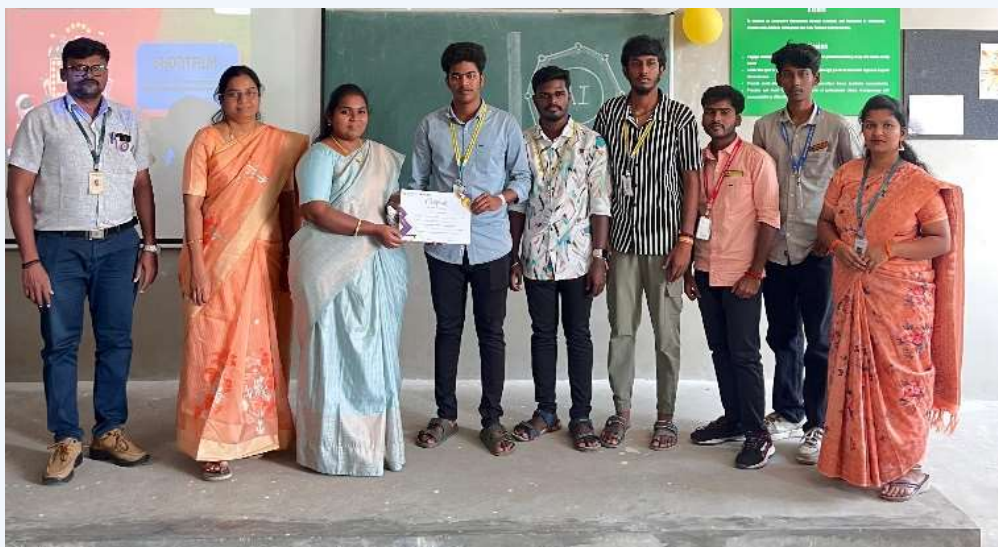

Selvi Anne Anita Beaula P, Selvi Bhavadhaarani B, Selvi Boomika M second year students from from Artificial Intelligence and Data Science department has participated in hackathon and got third prize along with a cash prize of Rs. 30,000 at Sona Engineering College, Salem on March 14,2025.

Selvi P. Anne Anita Beaula, Selvan P.Siva Keerthi, Selvi M.Boomika, Selvan V.Arul raj second year students from Artificial Intelligence and Data Science department has participated in ideathon event and won 1st prize organized by SNS college of Engineering and Technology, Coimbatore dated on 20.03.2025.

Selvan Kamalesh, Selvan Kathiravan, Selvan Hariharan second year students from Artificial Intelligence and Data Science department has participated in shortfilm event and won first prize organized by karpagam college of Engineering held during 13th to 15th March 2025.

Selvi M.Sangeetha Third year students from Artificial Intelligence and Data Science department has participated in Code debugging win 1st prize and Selvi M.Sandiya Third year students from Artificial Intelligence and Data Science department has participated in Code debugging win 2nd prize at Sri Venkateswara Hi Tech Engineering College at 21st March 2025.

Selvan Harish Third year students from Artificial Intelligence and Data Science department has participated in Tournament best offence player goal score 6 won the Runner up in State level K.Ramakrishnan college of Engineering and Technology inter Collegiate Hockey tournament held at KRCET Trichy held on 22nd March 2025.