

Department of Artificial Intelligence and Machine learning

AY 2024-25

Department Activities

Guest Lecture / Invited Lecture

S. No.	Date	Name and Designation of the Resource Person	Topic
1	31-Jul-24	Mr. Manoj P S Data Scientist, ZF Wind Power, Coimbatore.	Power BI Dashboarding Lifecycle
2	30-Sep-24	Dr Abilash K Assistant Professor in Psychology, Christ University, Bangalore.	Cognitive Psychology in Action: Influencing AI with Human Thought Processes

Student Development Programme

S. No.	Date	Title	Resource Person
1	11-Jul-24 & 12-Jul-24	Case Study Presentation	III B.Sc. AI & ML Students
2	24-Sep-24	Infographics Making using Photoshop	Mr. S.V. Vishnudev & Ms.T.Ashmitha, II B.Sc. AI & ML
3	09-Oct-24	Cybersecurity Awareness: Safeguarding your Digital Life	I B.Sc. AI & ML Students

Co-curricular Activities

S.No	Date	Name of the Event
1	12-Sep-24	International Programmer's Day celebration

Faculty Professional Development Programme

S. No.	Date	Title	Resource Person
1.	13-Feb-25	Data Preprocessing in NLP: From Text to features	Dr.N.Sathya , Associate Professor, Department of AI & ML, Dr. N.G.P. Arts and Science College.

Other Activities

S. No.	Date	Title	Resource Person
1	05-Sep-24 & 06-Sep-24	Visiting Faculty - Programming in JAVA	Mrs.P.Vinothini Tech lead, HCL Technologies, Chennai
2	15-Mar-25 & 22-Mar-25	Visiting Faculty – Python for Data Science	Mr.V.Dhivakar Senior Consultant,Deloitte,Coimbatore

Extension Activities

S. No.	Date	Nature of the extension	Place	Students involved
1.	14-Mar-25	Awareness on Cyber Safety	Thippanur	10 Students I- B.Sc. Artificial Intelligence and Machine Learning

Filed Visit

S. No.	Date	Place Visited	Students involved
1.	05-Sep-24	Saama Technologies Pvt. Ltd	15 Students B.Sc. Artificial Intelligence and Machine Learning

Department Achievements**Awards and Prizes for Staff**

S.No	Date	Name of the Staff	Name of the Award	Awarded by
1.	04-Jul-24, 05-Jul-24	Dr.S.Saranya	Best Paper Award	National Seminar IQAC, Dr.NGP Arts and Science College
2	28-Mar-25	Dr. P. Deepika	Excellence in Research and Publication	Dr. SNS Rajalakshmi College of Arts and Science

Staff Recognitions

S. No.	Date	Name of the Staff	Nature of Recognition	Organization / Institution
1	04-Jul-24, 05-Jul-24	Dr.N.Sathya	Organising member	National Seminar IQAC, Dr.NGP Arts and Science College
2	June 2024	Mrs.T.Hashni	Editorial Board Member	Journal of Intelligent Data Analysis and Computational Statistics
3	June 2024	Mrs.T.Hashni	Editorial Board Member	Journal of Big Data Analytics and Business Intelligence
4	03-Aug24	Dr.P.Deepika	Reviewer	International Journal of Recent Technology and Engineering (IJRTE)
5	July 2024	Dr. S. Saranya	Session Chair	National Seminar on Integration of Traditional Indian Knowledge System into Modern Higher Education: NEP Perspective Sponsored by ICSSR, Dr. N.G.P. Arts and Science College
6	December 2024	Mrs. T. Hashni	Reviewer	Sixth International Conference on Futuristic Trends in Networks & Computing Technologies (FTNCT-06), held at Graphic Era Hill University, Haldwani Campus, India

7	February 2025	Dr. S. Saranya	Reviewer	Third International Conference on Recent Trends in Computer Science and Data Analytics 2025 (ICRTCSDA'25), KPR College of Arts, Science, and Research,
8.	March 2025	Dr. S. Saranya	Reviewer	Third IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI-2025), IEEE MP Section, and ABV-IIITM, Gwalior

Staff Participation

S. No.	Date	Name of the Staff	Event	Organization / Institution
1.	07-Jun-24	Dr.P.Deepika	One-day workshop on "Generative AI"	Computer Society of India, Kolkata Chapter.
2.	22-Jun-24	Dr.P.Deepika	One day Online FDP " AI Tools for Teaching"	Star International Foundation for Research and Education
3.	24-Jun-24	Dr.P.Deepika	Five Days Online Faculty Development Program "Intellectual Property Rights in the age of AIML, Cyber Security and Blockchain"	Mangalmay Institute of Management & Technology, Greater Noida (UP)
4.	01-Jul-24 to 07-Jul-24	Dr.P.Deepika	Seven Days FDP "Essential Skills for Professional Development in Higher Education"	Star International Foundation for Research and Education
5.	22-Jul-24 to 29-Jul-2024	Dr.P.Deepika	Seven Days National Level FDP "Enhancing Academic and Administrative Excellence Through Quality Initiatives"	Park's College (Autonomous)
6.	23-Oct-24	Dr. N. Sathya	Youth Leadership Summit 2024	ICT Academy
7.	09-Nov-24	Dr. P. Deepika	Workshop on "NVIDIA's JETSON NANO"	Pantech e Learning.
8.	02-Dec-24 to 22-Dec-24,	Dr. N. Sathya Mrs.P.Shanthi	20-day National Level Short Term Training Program on "Full Stack with React JS and AI	Brain O Vision and KG College of Arts and Science.
9.	02-Dec-24 to 07-Dec-24	Mrs. T. Hashni	Six-days online workshop on "AI Tools in Academic Research"	Research Shiksha and Q-ResearchH.

10.	11-Jan-25	Dr. P. Deepika	One-day workshop on "NPTEL Workshop on Forecasting using Machine Learning Tools"	NPTEL at IIIT Madras.
11.	09-Jan-25 to 10-Jan-25,	Dr. P. Deepika	Two-day workshop on the "TNSCST Sponsored National Level Workshop on 'Unleashing Deep Learning for Disease Prediction'"	Kongu Engineering College.
12.	20-Jan-25 to 25-Jan-25	Mrs. T. Hashni	One-Week Online Faculty Development Program on "AI-Powered Learning: Shaping the Future of Education",	Vivekanandha Arts and Science College for Women
13.	17-Feb-25 to 21-Feb-25	Dr. P. Deepika	Faculty Development Program (FDP) on "AI Tools"	Dayananda Sagar Academy of Technology and Management.
14.	03-Feb-25 to 07-Feb-25	Dr.N.Sathya Mrs.J.Vinitha	Faculty Development Program (FDP) on Microsoft Azure AI Engineer	Collaboration with ICT Academy and Microsoft at Dr. N.G.P. Arts and Science College.
15.	Jan to Feb 25.	Dr. S. Saranya	Faculty Development Program on Python for Data Science	IIT Madras (MHRD)
16.	24-Jul-25 to 28-Jul-25	Dr. S. Saranya	5-day Faculty Development Program (FDP) on "Computing Techniques for Industry 4.0"	Mannar Thirumalai Naicker College

Staff Publication

S. No.	Name of the Faculty	Title	Journal Name	ISSN / ISBN No. Date of publishing Vol. No.	SCI/WoS/UGC/ SSCI/Scopus
1.	Dr.P.Deepika	Cardiovascular Disease Prediction using Novel Hybrid Filter Based Chi-Squared Feature Selection with backward Elimination and Spider Monkey Optimization -	Journal of Systems Engineering and Electronics	September 2024, Vol. 34, Issue 9, PP. 84-91, ISSN: 1671-1793.	Scopus

		artificial Neural network Techniques			
2.	Dr.P.Deepika	Prognostication Novel Feature Engineering for Malignant breast Carcinoma Diagnosis	Journal of Systems Engineering and Electronics	September 2024, Vol. 34, Issue 9, PP. 65-71, ISSN: 1671-1793.	Scopus
3.	Dr.P.Deepika	Effective cardiovascular Disease Prediction System using Ensemble Learning Methods	Journal of the K.R.Cama Oriental Institute	October 2024, Vol. 78, pp. 57-69, ISSN: 0970-0609.	UGC CARE
4.	Dr.P.Deepika	Security and Surveillance Using Drone	IAPQR Transactions	December 2024, Vol. 49, Issue 02, No. 05, ISSN: 0970-0102.	UGC CARE
5.	Mrs. P. Shanthi	Computer Vision in Medical Imaging: Detecting Tumors Using AI-Powered Image Processing	The Bioscan – An International Quarterly Journal of Life Sciences	March 20, 2025, Vol. 20, Issue 01, pp. 651–655, ISSN: 0973-7049.	WoS
6.	Dr. S. Saranya	Tiny Machine Learning: A Paradigm Shift in Scalable and Sustainable Artificial Intelligence	Journal of All Research Education and Scientific Methods	April 2025, Volume 13, Issue 4, ISSN: 2455-6211.	UGC CARE
7.	Dr. S. Saranya	Real Time Driver Drowsiness Detection System Using Deep Learning and OpenCV	International Journal of Research Publication and Reviews	April 2025, Volume 6, Issue 4, ISSN 2582-7421.	Peer Review
8.	Mrs.T. Hashni	Application of Machine Learning and Computer Vision for Smart Traffic Infrastructure Management	in International Journal of Research Publication and Reviews	April 2025, Vol 6, Issue 4, ISSN: 2582-7421.	Peer Review

9.	Dr.N.Sathya	Predictive Analysis of PCOS using CatBoost and XGBoost: A machine learning approach for early Diagnosis	EPRA International Journal of Multidisciplinary Research	April 2025, Vol 11, Issue 4, ISSN: 2455-3662	Peer Review
10.	Dr. P. Deepika	Sentiment Analysis of Product Reviews Using Natural Language Processing	EPRA International Journal of Research and Development	April 2025., Volume 10, Issue 4, ISSN 2455-7838.	Peer Review
11.	Mrs. P. Shanthi	Predicting the Big Five Personalities through CV Analyzer using Machine learning	EPRA International Journal of Multidisciplinary Research	April 2025, Vol 11, Issue 4, ISSN: 2455-3662	Peer Review
12.	Mrs.J.Vinitha	Wildlife Friendly Camera Surveillance System	EPRA International Journal of Multidisciplinary Research	April 2025, Vol 11, Issue 4, ISSN:2455-3662.	Peer Review

Students Participation

S. No.	Date	Name of the Student(s)	Event	Organization / Institution	Prize won
1.	08-May-24	Ramkishore P, Guhan B	Commerce Day Celebration - sparks and Splash- Knock out event	Dr.N.G.P. Arts and Science College	3 rd price
2.	04-Jul-24 & 05-Jul-24	Sindhyaasree B M	National Seminar	Dr.NGP Arts and Science College	Best Paper Award
3.	21-Sep-24	Sofia S , Bowmiya R V	Rota Quiz- Rotaract Club	Dr.N.G.P. Arts and Science College	2 nd prize
4.	30-Sep-24	Sugrivesh S	Musical Instrument -LIT Layers 2K24, An inter departmental Competition	Dr.N.G.P. Arts and Science College	3rd Prize

5.	30-Sep-24	Bowmiya R V	Treasure Hunt - LIT Layers 2K24, An inter departmental Competition	Dr.N.G.P. Arts and Science College	1st Prize
6.	04-Oct-24	Pranesh Kumar C S	Pre RD-Selection (NSS)	Bharathiar University	Selected
7.	04-Nov-24 to 14-Nov-24	Harikrishnaraj S K	All- India Level Advanced Leadership Camp	NCC	Selected
8.	05-Nov-24 to 14-Nov-24	Pranesh Kumar C S	South Zone Pre-Republic Day Parade camp	NSS	Completed
9.	16-Dec-24	Indhira M	Tamil Poetry competition at NGP Feat 2024	Dr.N.G.P. Arts and Science College	3rd Prize
10.	16-Mar-25	Saran S and Sri Ram N	Quiz competition	Dr.N.G.P. Arts and Science College	2nd prize

Staff Presentation

S. No.	Date	Name of the Staff	Name of the Event	Title of Presentation	Organization / Institution
1.	04-Jul-24, 05-Jul-24	Dr.S.Saranya	National Seminar	Chemistry of Indian Spices and their health	Dr.NGP Arts and Science College
2.	04-Jul-24, 05-Jul-24	Dr.N.Sathya	National Seminar	Indian textiles and Traditional Garments	Dr.NGP Arts and Science College
3.	13-Sep-24, 14-Sep-24	Dr.P.Deepika	Conference	Effective Cardiovascular Disease Prediction System Using Ensemble Machine Learning Methods	Bharati Vidyapeeth's Institute of Computer Applications and Management
4.	04-Oct-24	Mrs.P.Shanthi	Conference	Emerging Trends in Next generation Information Science	SRM Institute of Science & technology, Chennai

5.	04-Oct-24	Dr.P.Deepika	Conference	Impact of AI techniques in Agriculture Domain for Crop yield monitoring and Pesticides	SRM Institute of Science & technology, Chennai
6.	04-Oct-24	Dr.N.Sathya	Conference	Optimizing Healthcare Delivery through Advanced Data Analysis	SRM Institute of Science & technology, Chennai
7.	23-Dec-24 to 24-Dec-24	Mrs.T. Hashni	Conference	Leveraging Machine Learning for Accurate Precipitation Forecasting	Graphic Era Hill University, Haldwani Campus, India,
8.	13-Feb-25	Dr. S. Saranya	Conference	Investigating the Use of Artificial Intelligence Tools in Diverse Applications	KPR College of Arts, Science, and Research
9.	03-Jan-25	Dr. N. Sathya	Conference	AI-Driven Natural Language Processing for Heart Patient Care in Healthcare System	Dr. N.G.P. Arts and Science College
10.	03-Jan-25	Mrs.T. Hashni, Mrs. P. Shanthi	Conference	A Novel Framework for Nutrient-Based Plant Disease Prediction with Machine Learning	Dr. N.G.P. Arts and Science College
11.	03-Jan-25	Dr. P. Deepika	Conference	Banana Leaf Disease Classification and Prediction Using Deep Learning Techniques	Dr. N.G.P. Arts and Science College
12.	03-Jan-25	Dr. S. Saranya	Conference	Sentiment and Topic Analysis on Twitter Data Using Machine Learning Techniques	Dr. N.G.P. Arts and Science College

Students Presentation

S.No	Date	Name of the Student	Name of the event	Title of Presentation	Organization / Institution
1.	04-Jul-24, 05-Jul-24	Sindhyaasree B M	National Seminar	Chemistry of Indian Spices and their health	IQAC, Dr.NGP Arts and Science College

2.	04-Jul-24, 05-Jul-24	Srinithi R	National Seminar	Indian textiles and Traditional Garments	IQAC, Dr.NGP Arts and Science College
3.	04-Oct-24	Resmika SA	Conference	Emerging Trends in Next generation Information Science	SRM Institute of Science & technology, Chennai
4.	04-Oct-24	Jenisha Balan B , Indhira M	Conference	Impact of AI techniques in Agriculture Domain for Crop yield monitoring and Pesticides	SRM Institute of Science & technology, Chennai
5.	04-Oct-24	Sandra J, SathyaPriya V P	Conference	Optimizing Healthcare Delivery through Advanced Data Analysis	SRM Institute of Science & technology, Chennai
6.	03-Jan-25	Srinithi R	Conference	A Novel Framework for Nutrient-Based Plant Disease Prediction with Machine Learning	Dr. N.G.P. Arts and Science College
7.	03-Jan-25	Aravind Kumar P	Conference	Sentiment and Topic Analysis on Twitter Data Using Machine Learning Techniques	Dr. N.G.P. Arts and Science College
8.	03-Jan-25	Akshatha	Conference	Banana Leaf Disease Classification and Prediction Using Deep Learning Techniques	Dr. N.G.P. Arts and Science College
9.	03-Jan-25	Sindhya sree	Conference	Review on Medical Image using AI	Dr. N.G.P. Arts and Science College
10.	03-Jan-25	Dharshini	Conference	AI-Driven Natural Language Processing for Heart Patient Care in Healthcare System	Dr. N.G.P. Arts and Science College
11.	13-Feb-25	Indhira M, Jerry Godwin A	Conference	Investigating The Use Of Artificial Intelligence Tools In Diverse Applications	KPR College of Arts and Science research

Book / Book Chapters Publications

S.No	Date	Name of the Staff	Name of the Book	Name of the Publisher	Year of publication	ISBN
1	Sep-24	Dr. P. Deepika	Effective Cardiovascular Disease Prediction System using Ensemble Machine Learning Methods	BVICAM	2024	978-93-80544-61-8.
2	Sep-24	Dr.P.Deepika	Analysis on Methodologies of Generative-Artificial Intelligence (Gen-AI) in the field of Language Processing	<i>IOT Academy</i>	2024	978-93-93622-71-6
3	Jan-25	Mrs. T. Hashni and Mrs.P. Shanthi	Harnessing AI and IoT for Sustainable Agriculture: Innovations in Resource Management	Innovation Online Training Academy	2025	978-93-93622-65

Patent

S. No	Name of the Faculty	Title	Date of Filing	Application Number	Publication Date
1	Dr. P. Deepika, Dr. N. Sathya, P. Shanthi, and T. Hashni	Prediction of Waterflow Depth Using Machine Learning	December 23, 2024,	202441102002 A	January 10, 2025
2	Mrs. J. Vinitha	Airport Route Analysis Using Machine Learning	December 26, 2024	202441103368A	January 3, 2025
3	Dr. S. Saranya	Fake Profile Detection Using Machine Learning	February 4, 2025	202541009234 A	February 14, 2025

Internship

S. No.	Date	Duration	Place	Students involved
1.	July 2024	One-week Internship	Saama Technologies Pvt. Ltd	III B.Sc. Artificial Intelligence and Machine Learning

2.	March 2025	One-week Internship	Kovai Medical Center and Hospital	II B.Sc. Artificial Intelligence and Machine Learning
3.	Feb 2025	Eight –week Internship	AGNIRVA Space Internship Program- AICTE	I & II B.Sc. Artificial Intelligence and Machine Learning