

Department of Computer Applications– AY 2024-25 Even Semester (June-24 to Mar-25)

Department Activities

Guest Lecture / Invited Lecture

S. No.	Date	Name and Designation of the Resource Person	Topic
1	05-Mar-25 & 06-Mar-25	Mr.V.K Dhanush, Network Security Engineer, Tata Consultancy Services , Bengaluru	Visiting Faculty Lecture on Python- NumPy
2	15-Feb-2025	Dr.P.Nandhakumar, Product Management, Zoho Corporation Private Limited,Chennai	Endowment Lecture on “Role of AI in crafting the future of UI/UX
3	28-Dec-24	Mr. Ganesh Nagarajan, Manager - AI Research Lab, Cognizant Technology Solutions, Coimbatore	Intelligent Systems and Use Cases
4	19-Sep-24 & 20-Sep-24	Mr.Vimalkumar Rajendran, Automation Developer, TransUnion, Chennai	Visiting Faculty Lecture on Java Programming
5	17-Aug-2024	Mr.Mohanasundharam Murugan, Founder and CEO, FutoGen Groups, Salem	Career Opportunities in Artificial Intelligence

Seminar / Workshop / Conferences organized

S. No.	Date	Nature of the Event (Conference/ Seminar/ Workshop)	Title of the Event	Resource Person
1	31-Jan-25 to 01-Feb-25	Workshop	Chatbot Model Development	Mr.Vimalkumar Rajendran, Automation Developer, TransUnion, Chennai

2	03-Jan-25	International Conference	International Conference on Computational Intelligence and communication Technologies (ICCICT-2K25)	Dr. Wong Wei Kitt Associate Professor Department of Electrical and Computer Engineering Curtin University, Malaysia. Mr. Gowri Shanker Viswanathan Founder, Emergere Technologies LLC Texas, United States. Mr. Pandiyan Adiyapatham Assistant Vice President Cognizant, Chennai
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Student Development Programme

S. No.	Date	Title	Resource Person
1	25-Jan-25	From Algorithms to Arts: The Role of ML in Generative AI	Mr.G.Pradeep, III BCA B Student
2	27-June-24	Career Opportunies in Full Stack Development	Ms. Mallika Arjun, III BCA- A Student

Faculty Professional Development Programme

S. No.	Date	Title	Resource Person
1	27-Jan-25	Keras: Multiframework Deep Learning API	Dr. P. S. Vijayalakshmi Associate Professor, Department of Computer Applications, Dr.N.G.P. Arts and Science College

Alumni Interaction

S. No.	Date	Title	Alumni
1	20-Jul-24	Enhancing Skills for Career	Mr. M.Vignesh, Project Management and Automation Testing, Avasoft, Chennai

Extension Activities

S. No.	Date	Nature of the extension	Place	Students involved
1	01-Feb-25	Awareness on Carbon Footprint	Thippanur Village, Coimbatore	20 students of I-BCA-A & B

Co-curricular Activities

S.No	Date	Name of the Event
1	12-Sep-24	Inter Departmental Event “International Programmers Day” by Faculty of Computer Science

Other Activities

S. No.	Date	Title	Resource Person
1	03-Feb-25 to 07-Feb-25	Microsoft Azure AI Engineer	Mr.S.Gopinath, Senior Technical Trainer, ICT Academy

Department Achievements

Awards and Prizes for Staff

S.No	Date	Name of the Staff	Name of the Award	Awarded by
		NIL		

Staff Recognitions

S. No.	Date	Name of the Staff	Nature of Recognition	Organization / Institution
1	25-Nov-24	Dr.S.Poorana Senthilkumar Assistant professor & Head i/c	Staff Promotion	Department of Computer Applications, Dr.N.G.P. Arts and Science College
2	22-Jul-24	Dr. P. S. Vijayalakshmi Associate Professor,	Staff Promotion	Department of Computer Applications, Dr.N.G.P. Arts and Science College
3	22-Jul-24	Dr.K.Kavitha	Staff Promotion	Department of Computer Applications, Dr.N.G.P. Arts and Science College

Staff Participation

S. No.	Date	Name of the Staff	Event	Organization / Institution
1	06-Mar-25	Mrs.K.Gomathy	Awareness Programme Institutional Development Plan for Higher Educational Institutions	Telangana Council of Higher Education
2	07-Feb-25	Mrs.K.Gomathy	Faculty Development Programme on Microsoft Azure	Dr. N.G.P Arts and Science College
3	21-Feb-25	Mrs.K.Gomathy	Faculty Development Programme on AI Tools	KG College of Arts and Science
4	25-Jan-25	Mr.V.Yuvaraj	Faculty Development Programme on AI Powered Learning : Shaping the Future of Education	Vivekanandha Arts & Science College for Women, Veerachipalayam, Sankari , Salem,Tamilnadu,India

5	13-Dec-24	Dr. S. Poorana Senthilkumar	International Conference on Advanced Manufacturing Using AI, ML & Innovation Summit to Empower MSMEs	The Indian Chamber of Commerce and Industry, Coimbatore and WASME
6	07-Dec-24	Mrs.D. Priyadarshini	Faculty Development Programme on Empowerment of Robotic AI & MI And Additive Manufacturing In Industry 4.0	AICTE Training & learning – ATAL Nalanda Institute of Technology
7	17-Aug-24	Dr. Poorana senthilkumar S Mr.P.Dineshkumar Mrs.D. Priyadarshini	Five Days FDP on Internet of Things for Emerging Technical Applications	M.P.Nachimuthu M.Jaganathan Engineering College, Erode
8	17-Aug-24	Mr.V.Yuvaraj	SSTP on Cloud Security: Emerging Threats and Cyber Threat Intelligence	Symbiosis Skills & Professional University, Pune
9	04-Aug-24	Dr.C.Kumuthini Dr.P.S.Vijayalakshmi Dr.K.Kavitha	7 Days International Faculty Development Programme on Implications of Emerging Computing Technologies	Hindusthan College of Arts and Science, Coimbatore
10	02-Aug-24	Dr.C.Kumuthini Dr.P.S.Vijayalakshmi Dr.K.Kavitha Mr.V.Yuvaraj	Five Days International Virtual FDP on "Exploring New Frontiers in Teaching Tools, AI and Data Analytics"	Hindusthan College of Arts and Science, Coimbatore
11	29-Jun-24	Mr.V.Yuvaraj	One Week FDP on Deep Learning and IoT Driven Smart Applications	MEASI Institute of Information Technology, Chennai- 600 014
12	28-Jun-24	Dr.P.S.Vijayalakshmi	Five Days Online FDP on Intellectual Property Rights in the Age of AI, ML, Cybersecurity and Blockchain	MLR Institute of Technology, Hyderabad
13	15-Jun-24	Mr.V.Yuvaraj	Online Workshop on Data Analytics & AI	Mangalmay Institute of Management and Technology, Greater Noida
14	14-Jun-24	Mr.V.Yuvaraj	NEP ORIENTATION & SENSITIZATION PROGRAMME SENSITIZATION PROGRAMME	Centre for Computer Science and Information Technology (CCSIT), Manjeri, University of Calicut

15	01-Jun-24	Mr.V.Yuvaraj	FDP-Quantum Computing	UGC-MMTTC TEACHER TRAINING CENTRE "S.G.T.B. KHALSA COLLEGE UNIVERSITY OF DELHI"
16	18-May-24	Dr.C.Kumuthini, Dr.P.S.Vijayalakshmi, Dr.K.Kavitha	AI Insights:Predictive power of ML, DI & NLP	Sri Sairam Engineering College,Chennai
17	17-May-24	Dr.C.Kumuthini, Dr.K.Kavitha	Five Day Amity Faculty Development Program on Advances of Computing Technology(A-FACT)	Spoorthy Engineering College, Hyderabad

Staff Publication

S. No.	Name of the Faculty	Title	Journal Name	ISSN / ISBN No. Date of publishing Vol. No.	Impact Factor	SCI/WoS/UGC/ SSCI/Scopus
1	Dr C.Kumuthini	Streamlining Text Data Preparation and Label Consistency with LexiCleanse and EmoLabel Mapper for Prompt-Based Sentiment and Emotion Detection	International journal of Intelligent Systems and Applications in Engineering	Vol. 12 No. 4 (2024) :2147-67992 09731318, 29938341	1.74	Scopus
2	Dr. Poorana Senthilkumar S	Additively Composite Model Objective Function for Routing Protocol for Low-Power and Lossy Network Protocol	Int J Performability Eng	2024, Vol. 20 Issue (5) - 300-311 09731318, 29938341	1.14	Scopus
3	Mr.P.Dineshkumar	Foresight in Finance: Elevating predictions with Enhanced Rnn-Lstm and Adam Optimizer	Educational Administration: Theory and Practice	Vol .30,No.5,2024 2148-2403	0.81	Scopus

4	Dr C.Kumuthini	Deep Insight: Enhancing Internet of Things (IoT) Security with Intrusive Deduction Systems (IDS)	Journal of Cryptography and Network Security, Design and Codes	e-ISSN: 3048-6386, Vol. 1, Issue 3	1.83	Peer - Reviewed, Google Scholar
5	Dr C.Kumuthini	A Deep Learning Model For Efficient Intrusion Detection In Wireless Computer Integrated Manufacturing Systems	Computer Integrated Manufacturing Systems	1006-5911	1.44	Scopus
6	Dr.K.Kavitha	AI-Enhanced Access Control and Authentication	Journal of Cyber Security in Computer System	Vol. 3, Issue 3 pp.50-57	0.62	Peer - Reviewed, Google Scholar
7	Dr.K.Kavitha	Enhancing Cloud-Based IoT Security with Lightweight Cryptographic Techniques	Journal of Cyber Security in Computer System	Vol. 3, Issue 3 pp: (38-49)	0.62	Peer - Reviewed, Google Scholar
8	Dr.P.S.Vijayalakshmi	Internet of Things in Cloud Computing: Benefits, Challenges and Future Trends	Journal of Innovations in Data Science and Big Data Management	Vol. 3, Issue 3 (September – December, 2024]	0.62	Peer reviewed
9	Dr.P.S.Vijayalakshmi	“Impact of Internet of Things Protocols in Remote Healthcare and its Applications,	Journal of Systems Engineering and Electronics	Volume 34 Issue 9 2024	2.56	Scopus
10	Dr.P.S.Vijayalakshmi	Dimensionality Reduction using t-SNE Technique for Fundus Image Analysis in Diabetic Retinopathy	Journal of Engineering and Technology Management	Volume74 October–December 2024	3.7	Scopus

11	Mr.V.Yuvaraj	Innovative IoT Solutions for Enhanced Patient Health Monitoring and Healthcare Efficiency in Hospitals	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Volume 12 Issue VIII Aug 2024- ISSN: 2321-9653;	7.429	Peer reviewed
12	Mr.V.Yuvaraj	Ensemble Deep Learning based Lung Cancer Classification Model using Gene Expression Data	Journal of Angiotherapy,	Volume 8, April 2024	SJR: 0.158	Scopus

Students Participation

S. No.	Date	Name of the Student(s)	Event	Organization / Institution	Prize won
1	01-Mar-25	Varun Srinivasan Abuthakir M Manivasagam D	IPL Auction, Udhyam 2025	Kalaingar Karunanidhi Institute of Technology, Coimbatore	First Place & Cash Prize 3000
2	19-Feb-25	Varun Srinivasan Abuthakir M Manivasagam D	IPL Auction, Mirari 2025	Dr.S.N.S Rajalakshmi College of Arts and Science, Coimbatore	First Place & Cash Prize 2500
3	22-Jan-25	Varun Srinivasan Abuthakir M Manivasagam D Sham Dinesh	Winner, IPL Auction, BUSI-X 2025	Hindusthan College of Arts and Science, Coimbatore	Cash Prize 4000

4	28-Aug-24	Samdinesh, Varun Srinivasan, M.Abuthahir and D.Manivasagam	IPL Auction	Bishop Ambrose College, Coimbatore	First & Third Place
5	28-Aug-24	Roniwilliams, Pandidurai	Debugging	Bishop Ambrose College, Coimbatore	Second Place

Staff Presentation

S. No.	Date	Name of the Staff	Name of the Event	Title of Presentation	Organization / Institution
1	14-Mar-25	P.S.Vijayalakshmi	International Conference	The Future of Computing: An In-Depth Exploration of Quantum Computing	VLB Janakiammal College of Arts and Science
2	10-Jan-25	K.Gomathy	International Conference	Intelligent Automation and Next Gen Innovations	P.S.G. College of Arts and Science, Coimbatore
3	03-Jan-25	K.Gomathy	International Conference	An Evaluation of Deep Learning Pre-Trained Models for Diabetic Retinopathy Disease Detection through Retinal Fundus Images	Dr.N.G.P Arts and Science College
4	03-Jan-25	P.S.Vijayalakshmi	International Conference	An Evaluation of Deep Learning Pre-Trained Models for Diabetic Retinopathy Disease Detection through Retinal Fundus Images	Dr.N.G.P Arts and Science College
5	03-Jan-25	D.Priyadarshini	International Conference	Enhancing System Reliability: A Comprehensive Review Of Advancements In	Dr.N.G.P Arts and Science College

				Intelligent Fault Detection And Fault-Tolerant Control Systems	
6	27-Dec-24	Dr.K.Kavitha	DBT-CTEP sponsored National Seminar on Artificial Intelligence(AI) Innovations for advanced Biological Science and Research	ARTIFICIAL INTELLIGENCE AND AGRICULTURAL BIOTECHNOLOGY FOR SUSTAINABLE FARMING	Dr.N.G.P. Arts and Science College
7	11-Dec-24 to 13-Dec-24	Dr.S.Poorana Senthilkumar	2nd International Conference on Computing and Data Analytics (ICCD) 2024	Advancing Brain Image Segmentation A Comprehensive Exploration of Enhanced VGG16 Architecture for Precise Neuroanatomical Mapping	College of Computing and Information Science College of Computing and Information Science University of Technology and Applied Sciences – Shinas, Oman.
8	14-Sep-24	Dr.P.S.Vijayalakshmi	A One-Day International Conference on Digital Innovations in Business and Service Sectors	Leveraging Digital Transformation Strategies for Success in Established Organizations	Patrician College of Arts and Science
9	13-Sep-24	Dr.P.S.Vijayalakshmi	International Conference on Enhanced Techniques in Realtime Application	Remote Health Monitoring Protocols and its Applications in Internet of Things	United College of Arts and Science,Coimbatore
10	13-Sep-24	Mr.V.Yuvaraj	International Conference on Enhanced Techniques in Realtime Application	Ensemble Deep Learning Based Lung Cancer Classification Model using Gene Expression Data	United College of Arts and Science,Coimbatore
11	13-Sep-24	Mr.V.Yuvaraj	International Conference on Recent trends in Multi-Disciplinary Research and Innovation	Advanced Deep Learning Approaches for Lung Cancer Classification: A Gene Expression-Based Ensemble Model	AVP College of Arts and Science, Tirupur

12	13-Sep-24	Dr C.Kumuthini	International Conference on Enhanced Techniques in Realtime Application	Artificial Intelligence with internet of things(AIOT): Future Directions	United College of Arts and Science,Coimbatore
13	13-Sep-24	Mrs.D.Priyadarshini	International Conference on Enhanced Techniques in Realtime Application	Artificial Intelligence with internet of things(AIOT): Future Directions	United College of Arts and Science,Coimbatore
14	13-Sep-24	Mrs.P.Dineshkumar	International Conference on Enhanced Techniques in Realtime Application	Bid Data Forensics Approaches and Challenges	United College of Arts and Science,Coimbatore
15	28-Jul-24	D.Priyadarshini	International Conference	Analysis Of Machine Learning Algorithms To Detect Wormhole Attack In Manets	Dr.R V Arts and Science College
16	28-Jul-24	C.Kumuthini	International Conference	Analysis Of Machine Learning Algorithms To Detect Wormhole Attack In Manets	Dr.R V Arts and Science College

Students Presentation

S.No	Date	Name of the Student	Name of the event	Title of Presentation	Organization / Institution
1	02-Feb-24	Mallikaarjun.S	Second International Conference on Recent Trends in Computer Science and Data Analytics (ICRTCSDA'24)	Big Data Technologies	Department of Computer Science with Data Analytics, KPR College of Arts, Science and Research, Coimbatore
2	02-Feb-24	Latika.S	Second International Conference on Recent Trends in Computer Science and Data Analytics (ICRTCSDA'24)	Smart Sensing for precision Agriculture through IOT	Department of Computer Science with Data Analytics, KPR College of Arts, Science and Research, Coimbatore
3	02-Feb-24	Praveena.K	Second International Conference on Recent Trends	Smart Sensing for precision Agriculture through IOT	Department of Computer Science with Data Analytics,

			in Computer Science and Data Analytics (ICRTCSDA'24)		KPR College of Arts, Science and Research, Coimbotare
4	02-Feb-24	Roni Williams	Second International Conference on Recent Trends in Computer Science and Data Analytics (ICRTCSDA'24)	A Comprehensive Study on Generative AI	Department of Computer Science with Data Analytics, KPR College of Arts, Science and Research, Coimbotare
5	02-Feb-24	JayaPrakash M	Second International Conference on Recent Trends in Computer Science and Data Analytics (ICRTCSDA'24)	A Comprehensive Study on Generative AI	Department of Computer Science with Data Analytics, KPR College of Arts, Science and Research, Coimbotare
6	02-Feb-24	Hari Krishnan S	Second International Conference on Recent Trends in Computer Science and Data Analytics (ICRTCSDA'24)	A Comprehensive Study on Generative AI	Department of Computer Science with Data Analytics, KPR College of Arts, Science and Research, Coimbotare
7	02-Feb-24	Adhithya R	Second International Conference on Recent Trends in Computer Science and Data Analytics (ICRTCSDA'24)	A survey of Block Chain Technology in Health Care	Department of Computer Science with Data Analytics, KPR College of Arts, Science and Research, Coimbotare
8	02-Feb-24	Deepesh V S	Second International Conference on Recent Trends in Computer Science and Data Analytics (ICRTCSDA'24)	A survey of Block Chain Technology in Health Care	Department of Computer Science with Data Analytics, KPR College of Arts, Science and Research, Coimbotare
9	02-Feb-24	Dinesh Kumar K A	Second International Conference on Recent Trends in Computer Science and Data Analytics (ICRTCSDA'24)	A survey of Block Chain Technology in Health Care	Department of Computer Science with Data Analytics, KPR College of Arts, Science and Research, Coimbotare
10	02-Feb-24	Saniya Asra S A	Second International Conference on Recent Trends in Computer Science and Data Analytics (ICRTCSDA'24)	CLUSTERING TECHNIQUES IN IDENTIFYING STOCK MARKET TRENDS	Department of Computer Science with Data Analytics, KPR College of Arts, Science and Research, Coimbotare
11	02-Feb-24	Ramya R	Second International Conference on Recent Trends	CLUSTERING TECHNIQUES IN IDENTIFYING STOCK MARKET TRENDS	Department of Computer Science with Data Analytics,

			in Computer Science and Data Analytics (ICRTCSDA'24)		KPR College of Arts, Science and Research, Coimbotare
12	02-Feb-24	Selava kanatha S	Second International Conference on Recent Trends in Computer Science and Data Analytics (ICRTCSDA'24)	CLUSTERING TECHNIQUES IN IDENTIFYING STOCK MARKET TRENDS	Department of Computer Science with Data Analytics, KPR College of Arts, Science and Research, Coimbotare

Book / Book Chapters Publications

S.No	Date	Name of the Staff	Name of the Book	Name of the Publisher	Year of publication	ISBN
	Jan-25	Dr. S.Poorana Senthilkumar	Medical Sentimental Analysis for Pharmaceutical Exploration using Deep Learning Techniques	IGI Global Scientific Publishing	Jan-25	9798369370117
	Jan-25	Dr. P.S. Vijayalakshmi	Foundation and Obstacles of Deep Learning in Healthcare	IGI Global Scientific Publishing	Jan-25	979-83-69378-7000
1	Jan-25	Dr. P.S. Vijayalakshmi	Medical Sentimental Analysis for Pharmaceutical Exploration using Deep Learning Techniques	IGI Global Scientific Publishing	Jan-25	979-83-69370117
2	Jan-25	Dr C.Kumuthini	Analysis of Crime Against Women Data Using Machine Learning and Statistical Methods	IGI Global Scientific Publishing	Jan-25	979-83-69378-7000
3	Sep-24	Dr. C. Kumuthini & Dr. K. Kavitha	Revolutionizing UAV Technology: The Role of Reinforcement Federated	Innovation Online Training Academy	Sep-24	978-93-93622-75-4

			Learning in Artificial Intelligence			
4	Aug-24	V. Yuvaraj	ARTIFICIAL INTELLIGENCE and Applications in Business	Priyam Publications, Coimbatore	Aug-24	978-81-978737-4-4
5	Aug-24	V. Yuvaraj	Predictive Analytical Segmentation for Unpattern Data	Prime International Publication	Aug-24	978-93-6010-220-3
6	Aug-24	Dr. P.S. Vijayalakshmi	Sentiment Analysis in Healthcare: Methods, Significance, and Uses	R K Creative Solutions	Aug-24	978-81-976326-8-6
7	June-24	Dr. P.S. Vijayalakshmi	A Review of Big Data Mining Hadoop Tools and Techniques	Priyam Publications	June-24	978-81973498-8-1