

International Conference on Internet of Everything and Quantum Information Processing

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International Conference on
**EAI INTERNATIONAL CONFERENCE ON COMPUTATIONAL
INTELLIGENCE AND GENERATIVE AI**
(EAI ICCIGAI- 2024)
18th - 20th JULY 2024

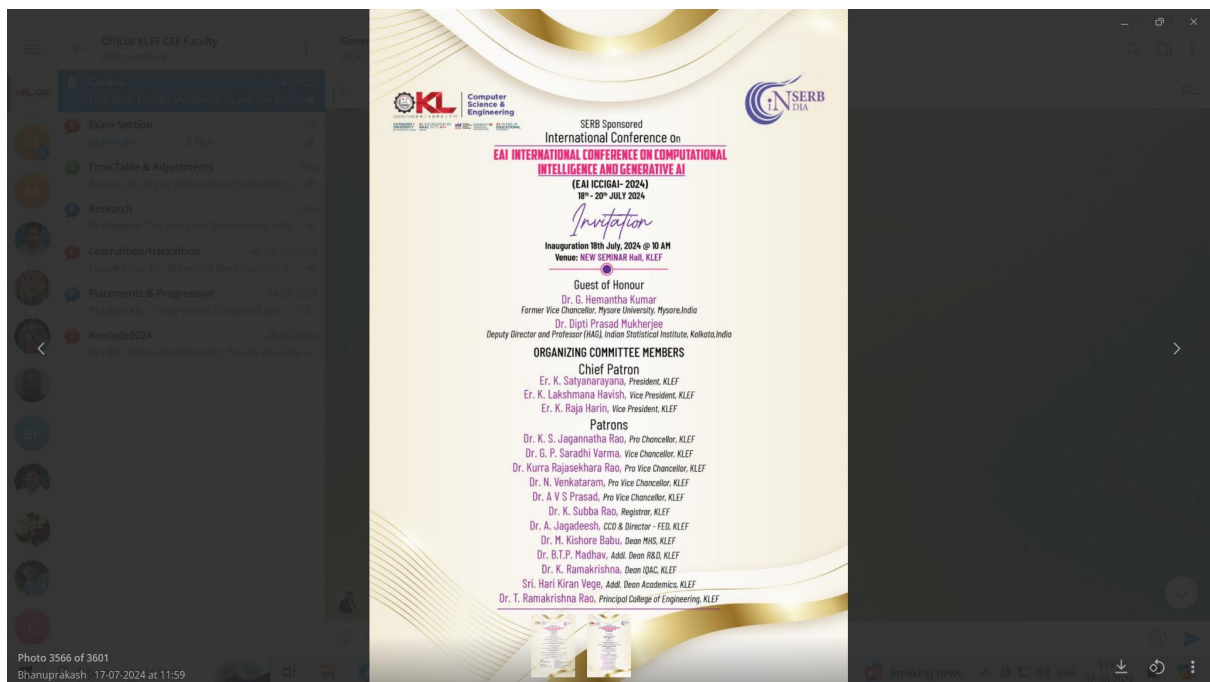
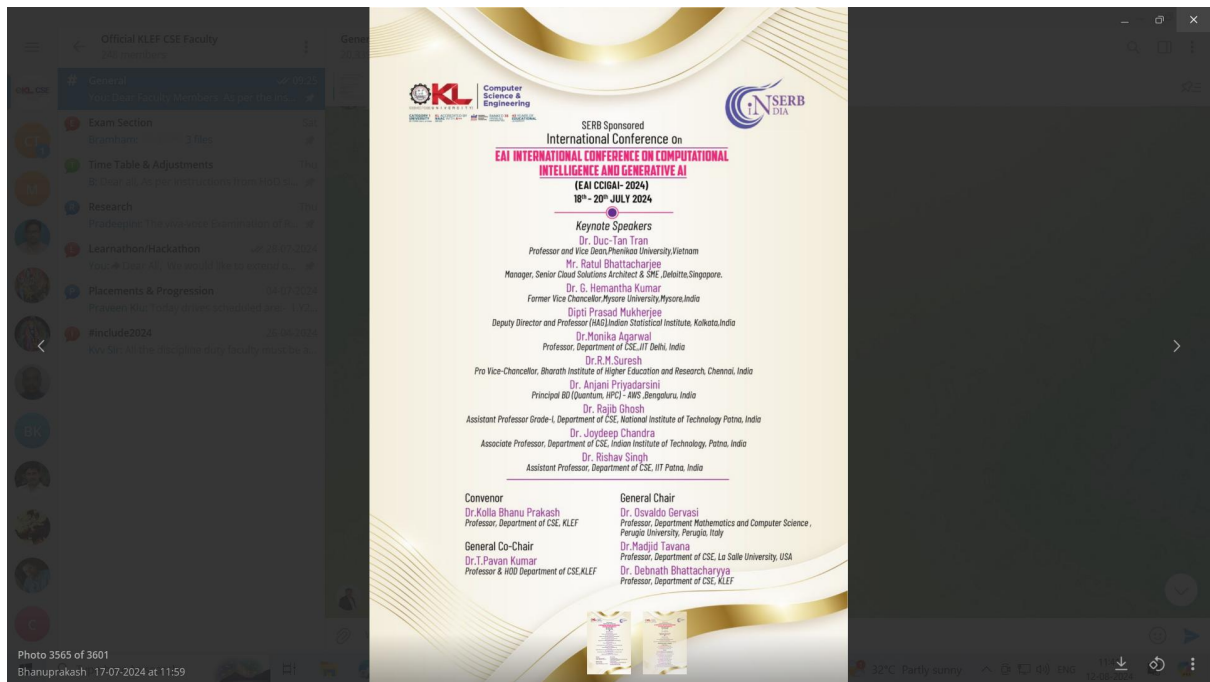
Keynote Speakers

 Dr. Shao-Tan Ryan Professor and Vice Dean Faculty of Computer and Software Engineering Purdue University West Lafayette, Indiana	 Mr. Ravi Kumar Associate Professor Department of Computer Science & Engineering SRM Institute of Science and Technology Kattankulathur, Tamil Nadu	 Dr. G. Hanumanth Kumar Senior Vice-Chancellor SRM Institute of Science and Technology Kattankulathur, Tamil Nadu	 Dr. Prasad Mahalingam PhD, IEEE, ACM, IASIS Associate Professor and Head Department of Computer Science and Engineering SRM Institute of Science and Technology Kattankulathur, Tamil Nadu	 Dr. Nishita Agarwal Professor, IIT Guwahati Guwahati, India
 Dr. S.K. Suresh Professor, IIT Guwahati Guwahati, India	 Dr. Anjan Prasad Principal, IIT Guwahati Guwahati, India	 Dr. Raju Doshi Associate Professor, IIT Guwahati Guwahati, India	 Dr. Jyoti Chandra Department of Computer Science and Engineering SRM Institute of Science and Technology Kattankulathur, Tamil Nadu	 Dr. Rishabh Singh Associate Professor Department of Computer Science and Engineering SRM Institute of Science and Technology Kattankulathur, Tamil Nadu

18th July, 2024 @ 10 AM
Venue: NEW SEMINAR Hall, KLEF

Photo 3564 of 3601
Bhanuprakash 17-07-2024 at 11:59

32°C Partly sunny



EAI International Conference on Computational Intelligence and Generative AI

Machine Intelligence with Generative AI is currently one of the most trending topics with its application in almost all fields of life. It is not only accelerating the development of new products in healthcare industry but also automatizing the generation of new and synthetic content making it easier to train and improve machine learning models. One of the biggest achievements of Generative AI has been in the healthcare domain with drug discovery, personalized care, differentially private synthetic data generation, operational efficiency, and many more. Generative AI models like Generative Adversarial Networks, and Variational Autoencoders are employed to generate synthetic medical images, aiding in data augmentation, facilitating disease diagnosis, and enabling advanced medical imaging research. Additionally, generative AI techniques are utilized for creating realistic electronic health records (EHRs) and simulated patient data, supporting privacy-preserving data sharing, and empowering innovative studies for personalized medicine and drug development. NLP models like ClinicalBERT use transformer-based deep learning architecture to understand and represent contextual information in large clinical text datasets, such as electronic health records (EHRs) and medical literature, and can better grasp medical terminologies, domain-specific language, and contextual nuances that are unique to the healthcare field. In this presentation, we will delve into the realm of Machine Intelligence with Generative AI and explore its profound implications in the healthcare domain.



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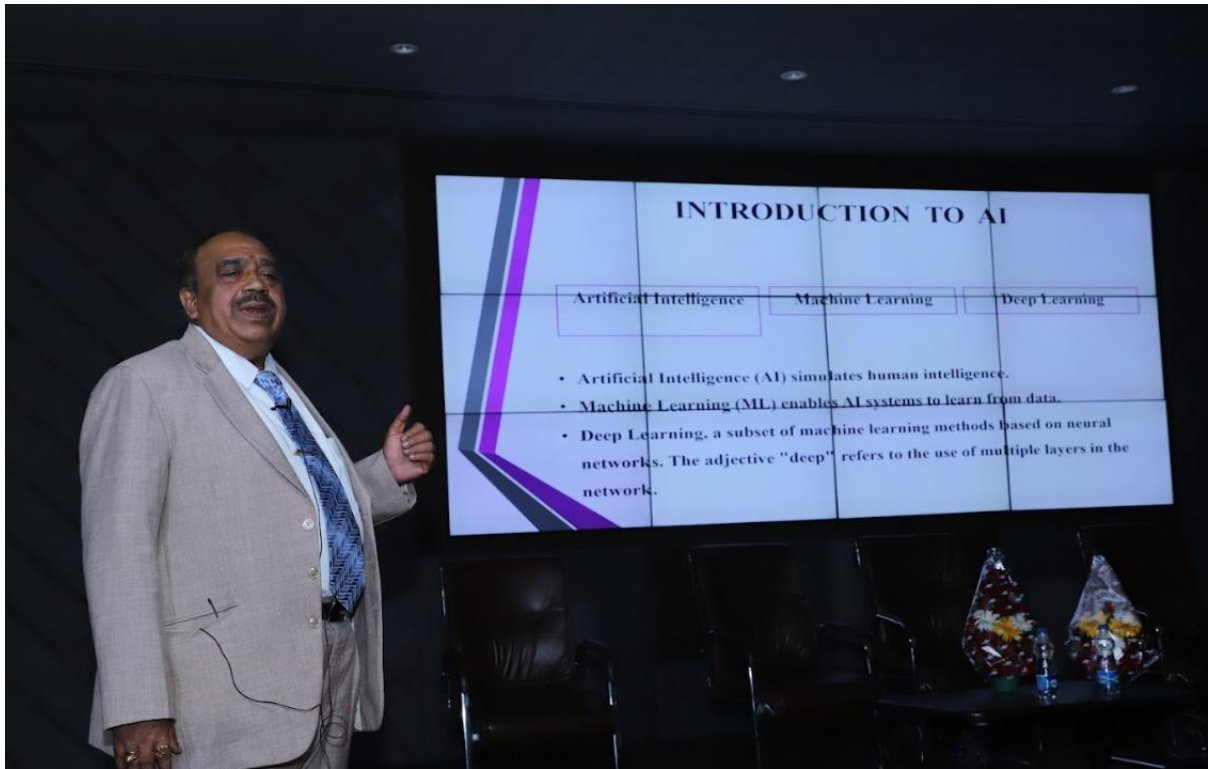
- *Debapriya Hazra, Stanford University, Stanford, California 94305, USA*
- *Lalit Garg, University of Malta, Malta*
- *Pelin Angin, Middle east Technical University, Ankara, Turkey*
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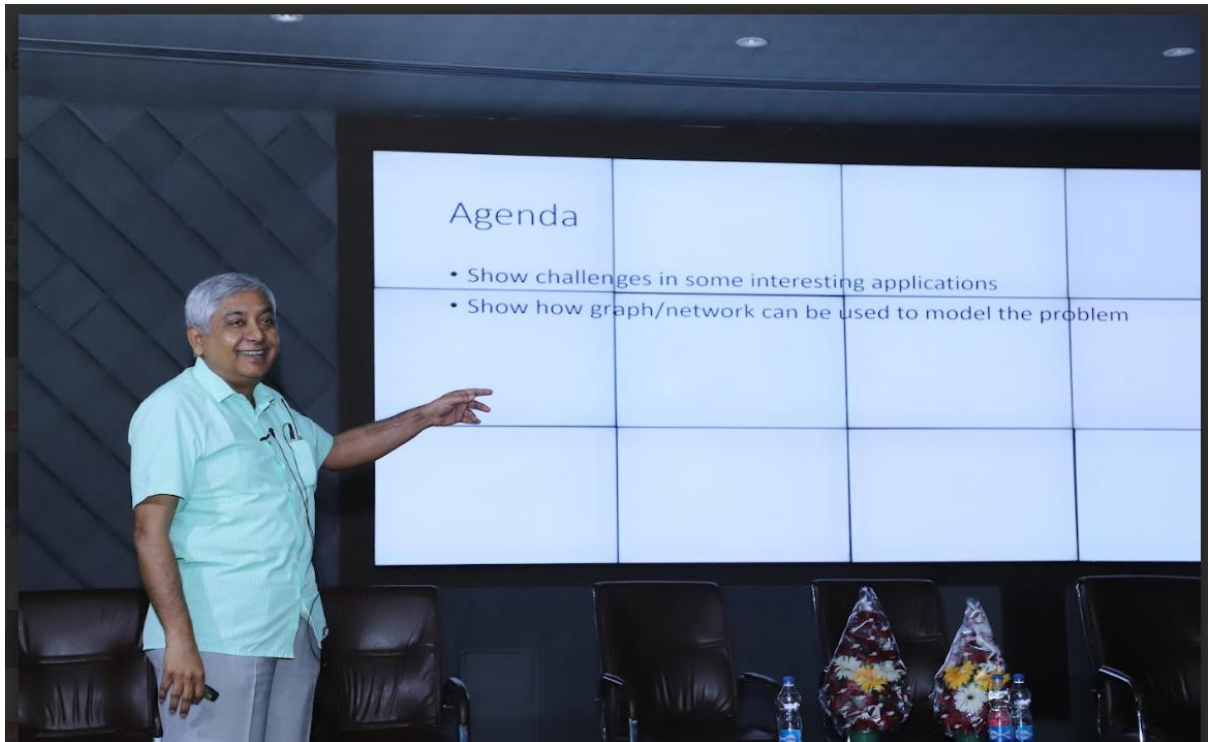
Steering Committee

- *Imrich Chlamtac, Bruno Kessler Professor, University of Trento, Italy*









Key Note/ Invited Speakers

<i>S. No.</i>	<i>Name</i>	<i>Expertise Area</i>	<i>University / Institute / Organization</i>
<i>1.</i>	<i>Dr. Duc-Tan Tran</i>	<i>Professor and Vice Dean</i>	<i>Faculty of Electrical and Electronic Engineering Phenikaa University Vietnam</i>
<i>2.</i>	<i>Mr. Ratul Bhattacharjee</i>	<i>Manager</i>	<i>Senior Cloud Solutions Architect & SME for Engineering group, Deloitte, Singapore.</i>
<i>3.</i>	<i>Dr. V. Hemanth Kumar</i>	<i>Former Vice Chancellor</i>	<i>Mysore University, Mysore</i>
<i>4.</i>	<i>Dipti Prasad Mukherjee, PhD, FIE, FCSI, FWBAST</i>	<i>Deputy Director and Professor (HAG)</i>	<i>Electronics and Communication Sciences Uni</i>

			Computer and Communication Sciences Division Indian Statistical Institute, 203 B T Road, Kolkata 700108, India.
5.	Dr. Monika Agarwal	Professor, CSE Department	IIT Delhi
6.	Dr. R.M. Suresh	Pro Vice-Chancellor	Bharath Institute of Higher Education and Research Chennai, India
7.	Dr. Anjani Priyadarsini	Principal BD (Quantum, HPC) – AWS India	Bengaluru, India
8.	Dr. Rajib Ghosh	Assistant Professor Grade-I	Computer Science & Engineering Department National Institute of Technology Patna INDIA.
9.	Dr. Joydeep Chandra	Department of Computer Science and Engineering	Indian Institute of Technology, Bihta – 801106, Patna, Bihar, India.

10. Dr. Rishav Singh

Assistant Professor

Department of CSE, IIT Patna, Bihta, Patna
India.

List of Accepted Papers

Title	Authors
Impact of Virtual Influencer for Brands Promotion: A Normative Study	RS, GOKULNATH (Sri Eshwar College of Engineering); R, MENAHA (Sri Eshwar College of Engineering); N, Shri Bharani Priya (Sri Eshwar College of Engineering); G, BALAJI (Sri Eshwar college of engineering Coimbatore); A, VIJAY (Sri Eshwar college of Engineering)
Skillify : Enhanced Learning Management System Using Generative AI	Trivedi, Dhairya (B V RAJU INSTITUTE OF TECHNOLOGY, Narsapur); Jeeri, Hrishikesh (B V Raju Institute of Technology, Narsapur, Medak, Telangana, India, Pin: 502313); Gollapalli, Persis Sonu (B V Raju Institute of Technology, Narsapur, Medak, Telangana, India, Pin: 502313); Dandla, Vaishnavi (B V Raju Institute of Technology, Narsapur, Medak, Telangana, India, Pin: 502313); Sanapala, Srinuvasarao (B V Raju Institute of Technology, Narsapur, Medak, Telangana, India, Pin: 502313)
Student Learning style prediction using Machine Learning Approach	Mokashi, Vinmay (Rajarambapu institute of Technology, Rajaramnagar)
UNET-Based Approach for Improved Brain Tumor	Boddeda, Venkata Sai Ganesh Sasidhar (Vignan's Foundation for Science, Technology & Research (Deemed to be University))

Segmentation	
BRAIN TUMOR DETECTION USING MRI IMAGES	Ganesula, Janaki Sriram (Vignan's Foundation for Science, Technology & Research); Sayyad, Arif (Vignan's Foundation for Science, Technology & Research); Chirala, Sai Ajith, (Vignan's Foundation for Science, Technology & Research); Shanmugam, Jayasankar (Vignan's Foundation for Science, Technology & Research)
leaf disease detection and fertilizer recommendation	OMKAR, LINGA (VIGNAN UNIVERSITY); TEJESH, NILLA (Vignan's foundation for science research and technology); R, Prathap Kumar (Vignan University); GADIPARTHI, REVANTH (VIGNAN UNIVERSITY)
Cloud Native Intrusion Detection with ML	Byreddy, Sai Teja Sri (Koneru Lakshmaiah University); Munjuluri, Meghana (Koneru Lakshmaiah University); Potturi, Poojitha (Koneru Lakshmaiah University); Tata, Deepika (Koneru Lakshmaiah University); T, Dr.S. Mastan Rao (Koneru Lakshmaiah University)
Harmonizing Music Choices With Facial Expressions	Devella, Sethu Rama Vinay (Vignan University); Tirumallashetty, Pavan Kumar (Vignan University); R, Prathap Kumar (Vignan University)
Effective Optimized Detection of Cardiovascular Disease by Supervised Machine Learning	Panda, Bijayalaxmi (GITA AUTONOMOUS COLLEGE); Mohapatra, Rojalin (GITA AUTONOMOUS COLLEGE); Giri, , Parimal Kumar (GITA AUTONOMOUSCOLLEGE); Sahu, Amaresh (ABIT)

Techniques	
ENHANCED KYC VERIFICATION THROUGH BLOCKCHAIN CONTRACTS	Chaturvedi, Utsav (SRM INSTITUTE OF SCIENCE AND TECHNOLOGY)
Integrated Aqua with Paddy Analysis for Pisciculture using Reinforcement Learning	Vullaganti, Venkata Sai Praneeta (Vignan's Foundation for Science Technology and Research); Shaik, Badarsha (Vignan's Foundation for Science Technology and Research); Boyapati, Sahithi (Vignan's Foundation for Science Technology and Research); Gatla, Niharika (Vignan's Foundation for Science Technology and Research)
Integration of IoT-enabled UAVs in Smart Agriculture: Types, Applications, Trends, Challenges	PRATHYUSHA, GAJAWADA (B V Raju Institute of Technology)
Emerging Deep Learning approaches for Crop Diseases detection	ROHINIDEVI, VEMULA (B V Raju Institute of Technology)
Aqua-yolo-SPP: A lightweight	thirumavalavan, selvamuthukumar (KL University)

fish detection algorithm	
A survey on the modern research on deep learning-based object detection	Thirumavalavan, Selvamuthukumar (KL University)
EmpowerHer:A Comprehensive women's safety initiative	Muthyalu, Gouthami (BV Raju institute of technology); Kypa, Charitha (BV Raju institute of technology); Kuthadi, Swarnalatha (BV Raju institute of technology); Kadam, Sinduja (BV Raju institute of technology)
Deep Learning-Driven Inventory classification using images for Supermarket Retailers	B, Shivaramakrishnan (SRM institute of science and technology); sharon, mahin (SRM Institute of Science and technology); N, Dr.Arunachalam (SRM Institute of Science and technology)
Sign Language Recognition and Conversion for Effective Communication	Koduru, Sai Pramod (Vignan's Foundation for Science, Technology and Research); Vunnam, Vamsi (Vignan's Foundation for Science, Technology and Research); Kothapalli, Raghava (Vignan's Foundation for Science, Technology and Research); Guggilam, Navya (Vignan's Foundation for Science, Technology and Research)
Facial Sketch Recognition Using	vuyyuru, lakshmi sai rami reddy (Vignan's Foundation for Science, Technology and Research);

GAN and Fuzzy Hamming Distance	ravipati, giridhar (Vignan's Foundation for Science, Technology and Research); ghanta, hem ratna sai (Vignan's Foundation for Science, Technology and Research); guggilam, navya (Vignan's Foundation for Science, Technology and Research)
Scrap Craft AI Hub: Where Innovation Meets Creativity	Ashu, Ashu (B V Raju Institute of Technology); Atelli, Sravan Kumar (B V Raju Institute of Technology); Aseel, Aseel (B V Raju Institute of Technology); Arun Chavan, Apoorva (B V Raju Institute of Technology); Pondugala, Bhaskara Rao (B V Raju Institute of Technology)
Churn Prediction on Telcom using AI	Maddulla, Naga Teja (K L University); Maddineni, Manjunadh (K L University); V., Rama Krishna (K L University)
Edge-Based Video Recognition: Advancing Deep Learning for Efficient Visual Analysis	veesam, Sai babu (vit-ap)
Crop Recommendation System : Using Supervised Learning Techniques.	Tayi, Sai Sri Harshitha (Koneru Lakshmaiah Education Foundation); Uddaraju, Vijaya Lakshmi Ananya (Koneru Lakshmaiah Education Foundation); Yele, Bhagya Sri (Koneru Lakshmaiah Education Foundation); G, Pradeepini (Koneru Lakshmaiah Education Foundation)
E-LEARNING COURSE RECOMMENDATION BASED	A, Madhavi (VNR Vignana Jyothi Institute of Engineering and Technology); Palla, Navya Sree (VNR Vignana Jyothi Institute of Engineering and Technology); M, Keerthi (VNR Vignana Jyothi Institute

ON LEARNING STYLES AND COURSE RATINGS	of Engineering and Technology); Mohammad, Thaslima (VNR Vignana Jyothi Institute of Engineering and Technology); Shaik, Afreen (VNR Vignana Jyothi Institute of Engineering and Technology)
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A Comprehensive Literature Review on Blockchain Applications in Charitable Donations and Transparency	Duggempudi, Rajasekhar Reddy (K L UNIVERSITY)
REVIEWING CHEATING AND DETECTION TECHNIQUES IN MASSIVELY MULTIPLAYER ONLINE ROLE-PLAYING GAMES: A SYSTEMATIC ANALYSIS	Ramya, Puppala (K L University)

Forecasting and Examining Japanese Stock Market Behavior: Exposing Temporal Patterns, Sector-Specific Results, and Feature Relevance	RAVURI, RAVURI SRINIVAS (Koneru Lakshmaiah Education Foundation); dasireddy, dasireddy Harshavardhan naidu (Koneru Lakshmaiah Education Foundation); Vaka, Vaka Shreya (Koneru Lakshmaiah Education Foundation)
Predictive Modeling of Gold Prices using Machine learning	Pamidi, Preethi (KL University)
Cross-Silo Federated Learning for IDS in IoT Networks	bajpai, soumya (Amity University Gwalior); Sharma, Dr. Kapil (AMITY UNIVERSITY GWALIOR); Chaurasia, Dr. Brijesh Kumar (Pranveer Singh Institute of Technology, Kanpur)
Mango Leaf Disease Detection using Lightweight VGGNet Model	Singh, Yogendra Pratap (Pranveer Singh Institute of Technology, Kanpur); Chaurasia, Dr. Brijesh Kumar (Pranveer Singh Institute of Technology, Kanpur)
Heartbeat Harmony: Unlocking Precise Predictions with Cutting-Edge Machine Learning Models for Heart Disease Detection	Ramya, Puppala (K L University)

Evolving AI Strategies in Breast Cancer Treatments: The Role of Image-Temporal GANs and PPO Learning	Mtetwa, Joseph Tafataona (University of Johannesburg); Ogudo, Kingsley A. (University of Johannesburg, Department of Electrical and Electronics Engineering); Pudaruth, Sameerchand (University of Mauritius)
Comprehensive study of Algorithms for Suppressing Impulse Noise in Digital Color Images	CHUKKA, DEMUDU NAIDU (GITAM DEEMED TO BE UNIVERSITY); Kaviti, Prasad (GITAM Deemed to be University); Gundapu, Pandit Samuel (VIGNAN Institute of Information Technology); Bonu, Satish Kumar (SVA Government Degree College)
AN IOT-BACKED BLOCKCHAIN SYSTEM FOR E-WASTE MONITORING AND MANAGEMENT IN SMART URBAN ENVIRONMENTS	Ramya, Puppala (K L University)
Serverless Computing and DevOps: A Synergistic Approach to Modern Software Development	Ramya, Puppala (K L University)

IN-DEPTH ANALYSIS OF FACE MASK DETECTION APPROACHES AMID THE COVID-19 PANDEMIC USING ML TECHNIQUES	Ramya, Puppala (Koneru Lakshmaiah Education Foundation); amey, jadhav (Koneru Lakshmaiah Education Foundation); VAVILALA, UMA MAHESHWAR REDDY (Koneru Lakshmaiah Education Foundation); KANCHARLA, VEERA VENKATA SAI YOGESWAR (Koneru Lakshmaiah Education Foundation); MEESALA, MEESALA RAM (Koneru Lakshmaiah Education Foundation)
Investigating Hyperparameter Effects on UNet for Oral Epithelial Layer Segmentation	Rahman, Taibur (Institute of Advanced Study in Science and Technology (IASST)); Mahanta, Lipi B (Institute of Advanced Study in Science and Technology, IASST)
Enhancing Healthcare Data Security with Homomorphic Encryption in Virtual Health Support	Sutradhar, Shrabani (Brainware University); Bose, Rajesh (JIS University); Majumder, Sudipta (Dibrugarh University); Mondal, Haraprasad (Dibrugarh University); Bhattacharya, Debnath (Koneru Lakshmaiah Education Foundation)
SIBTAWN: Securing Scenarios with the Integration of Blockchain Technology in Advanced Wireless Networks	Jain, Amit (OP JINDAL UNIVERSITY RAUGARH); Nayak, Rakesh (OP Jindal University); Satapati, Ravikanth (GITAM UNIVERSITY, VISHAKAPATNAM); Shial, Rabindra Kumar (NIST Institute of Science and Technology, Berhampur, Odisha); Ghugar, Umashankar (OP Jindal University Raigarh)
AI-Powered Evolution of	Ghosh, Samprity (Department of Computer Science & Engineering, JIS University, West Bengal-

<p><i>Clinical Decision Support Systems in Oncology: Revolutionizing Precision Care and Ethical Considerations</i></p>	<p>700109); Bose, Avijit (Department of Computer Science & Engineering, JIS University, West Bengal-700109); Nandi, Pritam (Department of Computer Science & Engineering, JIS University, West Bengal-700109); Saha, Kinshuk (Department of Computer Science & Engineering, JIS University, West Bengal-700109); Bhowmik, Abhishek (Department of Computer Science & Engineering, JIS University, West Bengal-700109); Bhowmik, Sonali (Department of Computer Science & Engineering, JIS University, West Bengal-700109); Bose, Rajesh (Department of Computer Science & Engineering, JIS University, West Bengal-700109); Sarkar, Indranil (Department of Computer Applications, Guru Nanak Institute of Technology, West Bengal-700114); Roy, Sandip (Department of Computer Science & Engineering, JIS University, West Bengal-700109)</p>
<p><i>Revolutionizing Healthcare: Synergistic Integration of Genomics, Clinical Decision Support Systems, and Advanced Machine Learning for Precision Medicine</i></p>	<p>Ghosh, Nandini (Department of Computer Science & Engineering, JIS University, West Bengal-700109); Das, Koushik (Department of Computer Science & Engineering, JIS University, West Bengal-700109); Das, Deepanjan (Department of Computer Science & Engineering, JIS University, West Bengal-700109); Bhowmik, Abhishek (Department of Computer Science & Engineering, JIS University, West Bengal-700109); Bhowmik, Sonali (Department of Computer Science & Engineering, JIS University, West Bengal-700109); Bose, Rajesh (Department of Computer Science & Engineering, JIS University, West Bengal-700109); Sarkar, Indranil (Department of Computer Applications, Guru Nanak Institute of Technology, West Bengal-700114); Roy, Sandip (JIS University)</p>

IMPLEMENTATION OF C4.5 ALGORITHM ON PINE APPLE PLANTS TO SUGGEST DISEASES AND CURES	Kumar, Asish (mintu.asishk@gmail.com); R, Dharani (Vignana€™s Institute of Engineering for Women, Visakhapatnam-530049, India)
Advanced Proactive River Water Quality Forecasting	SAMBATH, NARESHSARATHY (VIT-AP UNIVERSITY); GAJULA, SRUTHI KRISHNA (VIT-AP UNIVERSITY); ENLLAWAR, AADHYA (VIT-AP UNIVERSITY); PATHAK, PRERNA (VIT-AP UNIVERSITY)
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A hybrid feature selection method using multi-objective Jaya algorithm with	Beesetti, Kiran Kumar (Anil Nerrokonda Institute of Technology); Vayelapelli, Mamatha (Anil Neerukonda Institute of Technology & Sciences)

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Salp Swarm-Infused Machine Learning for Precise Diabetes Prediction	bajpai, soumya (Amity University Gwalior); Sharma, Dr. Kapil (AMITY UNIVERSITY GWALIOR); Chaurasia, Brijesh (Pranveer Singh Institute of Technology, Kanpur, U.P)
Optimal Road Route Prediction Using Image Segmentation and Deep Learning Techniques	Tilakachuri, Balakrishna (Seshadri Rao Gudlavalleru Engineering College); Kolagani, Navya (Seshadri Rao Gudlavalleru Engineering College); Katta, Nikitha (Seshadri Rao Gudlavalleru Engineering College); KOKKILAGADDA, UMA MAHESWARI (Seshadri Rao Gudlavalleru Engineering College); Kalluri, Chandra (Seshadri Rao Gudlavalleru Engineering College)
Advanced Waste Segregation System: A CNN and VGG16-Based Intelligent Approach for Improved Waste Management	Donepudi, Priyanka (Seshadri Rao Gudlavalleru Engineering College); Konda, Leela Vani (Seshadri Rao Gudlavalleru Engineering College); Gunupudi, Durga Teja (Seshadri Rao Gudlavalleru Engineering College); Koneru, Sasidhar (Seshadri Rao Gudlavalleru Engineering College); Kambhampati, Vishnu Sharma (Seshadri Rao Gudlavalleru Engineering College)
Density Based Traffic Management System Using Open CV	R, SHYAM SUNDAR (Kalasalingam academy of research and education); M, jayalakshmi (kalasalingam academy of research and education); S, Amaranatha Sasthry (kalasalingam academy of research and education); M, Sri Ganesh (kalasalingam academy of research and education); R, Anand Kumar (kalasalingam academy of research and education)

Revoking Dynamic Access with Enforced Encryption	Rao, N T (VIGNAN University)
A IOT BASED WASTAGE MANAGEMENT SYSTEM USING SMART BIN	P, Chandra Sekhar (Department of Computer Science & Engineering GITAM University, Visakhapatnam)
PREDICTION OF AUTOMOBILE INSURANCE CLAIMS USING DEEP NEURAL NETWORKS	Peri, Prithvi (Tata Consultancy Services, Hyderabad); Tanikella, Mounika (Tata Consultancy Services, Hyderabad)
d'€ AN IMAGE RETRIEVAL SYSTEM BASED ON IMPLICATION REACTION	P, Stephen Paul (Lenora College of Engineering)
Smart Baby Walker	Pardeshi, Palak Abhay (Vishwakarma Institute of Technology); Suryawanshi, Ranjeetsingh (Vishwakarma Institute of Technology); Sangave, Pranav Nishikant (Vishwakarma Institute of Technology); Uplanchiwar, Varad Prashant (Vishwakarma Institute of Technology); Thakur, Tejas Amarsingh (Vishwakarma Institute of Technology); Bandi, Shreyash Pravin (Vishwakarma Institute of Technology)

Multi-model Human-Computer Interaction System with Hand Gesture and Eye Gesture Control	Suggu, Durga Sai Sriram (kalasalingam academy of research and education); m, jayalakshmi (kalasalingam academy of research and education)
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