



ADITYA ENGINEERING COLLEGE (A)

Aditya Nagar, ADB Road, Surampalem

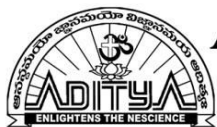
Department of Computer Science and Engineering

International Conference on Algorithms and Computational Theory for Engineering Applications (ICACTEA-2024) in association with Springer.

Program Schedule – 02nd Feb, 2024 (Day-1)	
10:00 AM - 10:50 AM	Inaugural Session
10: 50 AM - 11.00 AM	TEA BREAK
11:00 AM - 12:00 PM	Keynote Address -1
12:00 PM - 1:00 PM	Paper Presentation Session – I: Track I (Offline) & Track II (Online)
1.00 PM - 1.30 PM	LUNCH BREAK
1:30 PM - 2:30 PM	Keynote Address -2
2:30 PM - 4:00 PM	Paper Presentation Session – 2: Track 1(Online), Track 2 (Online), Track 3(Online)

Program Schedule – 3rd Feb, 2024 (Day-2)

09:45 AM - 10:45 AM	Keynote Address – 3
10:45 AM - 11:00 AM	TEA BREAK
11:00 AM - 12:00 PM	Paper presentation Session – 3: Track 1(Offline) & Track 2 (Online)
12:00 PM - 01:30 PM	Paper presentation Session – 4: Track 1 (Online) & Track 2 (Online)
01:30 PM - 02:30 PM	LUNCH BREAK
02:30 PM - 03:30 PM	Valedictory function



ADITYA ENGINEERING COLLEGE (A)

Aditya Nagar, ADB Road, Surampalem

Department of Computer Science and Engineering

INTERNATIONAL CONFERENCE ON ALGORITHMS AND COMPUTATIONAL THEORY FOR ENGINEERING APPLICATIONS (ICACTEA - 2024)

Keynote Address & Paper Presentation Session Details

DATE	SESSION	TRACK	FACULTY COORDINATOR	NO. OF PAPERS
02.02.2024	11.00 AM -12.00 PM	Keynote Address-1		
02.02.2024	SESSION - I (Time: 12:00PM - 1:00 PM)	TRACK - I (Offline)	Mr.K.Govindara Raju ,Associate Professor, 9989798428	4
		TRACK - II (Online)	Mr.U.V.Ramesh Assistant Professor, AEC,CSE 9494771807	4
02.02.2024	01.30 PM - 2.30 PM	Keynote Address 2		
02.02.2024	SESSION - 2 (Time: 2:30PM - 4:00 PM)	TRACK - I (Online)	Mrs.N.Akhila,M.Tech(Ph.D), Associate Professor, AEC, CSE, 9642477043	6
		TRACK - II (Online)	Mrs.K.Vydehi, M.Tech, Assitant Professor, AEC, CSE, 8919659525	6
		TRACK - III (Online)	Mr.P.Murali.,M.Tech(Ph.D), Sr.Assitant Professor, AEC, CSE, 8374568018	5
03.02.2024	09.45 AM - 10.45 AM	Keynote Address -3		
03.02.2024	SESSION - 3 (Time: 11:00AM - 12:00 PM)	TRACK - I (Offline)	Mrs.P.Srilatha,M.Tech(Ph.D), Sr.Assitant Professor, AEC, CSE, 9133275019	5
		TRACK - II (Online)	Mr.BRSS Raju M.Tech.(Ph.D), Assistant Professor,AEC,CSE , 8886533908	5
03.02.2024	SESSION - 4 (Time: 12:00AM - 1:30 PM)	TRACK - I (Online)	Ms.Sravani, M.Tech, Assistant Professor ,AEC,CSE, 9133070343	6
		TRACK - II (Online)	Mr.Jala Prasad M.Tech ,Assitant Professor,AEC,CSE, 8985240704	6



ADITYA ENGINEERING COLLEGE (A)

Aditya Nagar, ADB Road, Surampalem

Department of Computer Science and Engineering

International Conference on Algorithms and Computational Theory for Engineering Applications (ICACTEA) 2024

02.02.2024	Inaugural Session Link	https://teams.microsoft.com/v2/?meetingjoin=true#/l/meetup-join/19:uEVZROMNIIIG10WIUguuNKO2RyCSEC1Z1RpOx9GX2hU1@thread.tacv2/1705991591239?context=%7b%22Tid%22%3a%227359f896-71e2-4dae-b8a3-15cdf97f2f10%22%2c%22Oid%22%3a%2209e46603-b76d-478d-9d1e-a7891695d169%22%7d&anon=true&deeplinkId=687bdf17-de20-42ae-9dbd-5353f10a84be
03.02.2024	Valedictory Function Link	https://teams.microsoft.com/v2/?meetingjoin=true#/l/meetup-join/19:uEVZROMNIIIG10WIUguuNKO2RyCSEC1Z1RpOx9GX2hU1@thread.tacv2/1705992084040?context=%7b%22Tid%22%3a%227359f896-71e2-4dae-b8a3-15cdf97f2f10%22%2c%22Oid%22%3a%2209e46603-b76d-478d-9d1e-a7891695d169%22%7d&anon=true&deeplinkId=bf8c2312-d618-4428-800c-3169cc906d4c



ADITYA ENGINEERING COLLEGE (A)

Aditya Nagar, ADB Road, Surampalem

Department of Computer Science and Engineering

International Conference on Algorithms and Computational Theory for Engineering Applications (ICACTEA) 2024 02-02-2024 Session-1 Track-1 (Offline)

S.No	Paper ID	Paper Title	Author(s) Name	Faculty Coordinator	Presentation Link
1	22	Unravelling Churn Dynamics: Predictive Modelling Using Multi Layer Perceptron	1.Mohammad Nusrath Shariff 2.Uppala Dharani 3.Kolli Aditya 4.Yellapanthula Sai Sampath	Mr.K.Govindara Raju, Associate Professor, 9989798428	Offline Mode Cotton Bhavan IInd Floor Seminar Hall -208
2	58	Effective Medical Data Compression for Minimal Cloud storage using versatile compression techniques	1.A. Phani Sridhar 2.Dr. P. V. Lakshmi		
3	184	Data Security in Cloud Using Twofish Algorithm	1.Gandhikota Umamahesh 2.Dr.G.V.S.Rajkumar		
4	100	Deep Reinforcement Learning Approach for Autonomous Vehicles to Cross Junctions	1.Samsani Surekha 2.R.V.S.Lalitha 3.Munnangi Srikanya 4.Sureddy Jaya Sri 5.Radha Kinjangi		



ADITYA ENGINEERING COLLEGE (A)

Aditya Nagar, ADB Road, Surampalem

Department of Computer Science and Engineering

International Conference on Algorithms and Computational Theory for Engineering Applications (ICACTEA) 2024 02-02-2024 Session-1 Track-2 (Online)

S.No	Paper ID	Paper Title	Author(s) Name	Faculty Coordinator	Presentation Link
1	16	Harvesting Growth: Leveraging Random Forests for Advancing Agricultural Productivity with Machine Learning	1.Ravi Kumar Balleda 2.Ramesh Naidu Goda 3.Chandra Sekhar Kolli 4.Pavan Kumar V 5.GAKS Rajeev Kumar	Mr.U.V.Ramesh, Assistant Professor, AEC, CSE, 9494771807	https://teams.microsoft.com/l/join/19%3ameeting_ZmNmMjl0OTMtMjFiOC00ZTY2LTk0YjktYmQxMzJiODliZDYw%40thread.v2/0?context=%7b%22Tid%22%3a%227359f896-71e2-4dae-b8a3-15cdf97f2f10%22%2c%22Oid%22%3a%22af595f85-03e8-4b8e-a04c-986ee11140be%22%7d
2	61	Building Emotion Identification System from Speech Using Deep CNN-GRU Model	1.Bollepalli Venkata Mounika 2.Chukka Keerthana 3.Gopi Anuradha Gayathri 4.Arepalli Peda Gopi 5.Papana Deepika		
3	91	Weather Forecasting with Time Series Dataset using Deep Learning Algorithms	1.Dr. Jitendera kr. Mishra 2.Dr. Nidhi Kushwaha 3.Dr. Bharat Singh 4.Tripti Kumari		
4	133	Analysis of Graduate Students Using Machine Learning to Forecast Student's Employability and Academic Success	1.Dr. Mahyudin Ritonga 2.P Kiran Rao 3.Khaled A. Z. Alyamani 4.Mohd Naved 5.Malik Jawarneh 6.Prathipati Ratna Kumar		



ADITYA ENGINEERING COLLEGE (A)

Aditya Nagar, ADB Road, Surampalem

Department of Computer Science and Engineering

International Conference on Algorithms and Computational Theory for Engineering Applications (ICACTEA) 2024

02-02-2024 Session-2 Track-1 (Online)

S.No	Paper ID	Paper Title	Author(s) Name	Faculty Coordinator	Presentation Link
1	169	Importance of Human Judgement in Artificial Intelligence-based Technology	1.Akash Sharma 2.Sahil Pathan 3.Shafaq 4.Dr. Ramdas Khomane 5.Dr. Nilesh Bhaskarrao Bahadure	Mrs.N.Akhila,M.Tech (Ph.D), Associate Professor, AEC,CSE ,9642477043	https://teams.microsoft.com/l/meetup-join/19%3ameeting_YjEwMDY2ZDctMTJlNj00MWRmLTkxODAtMmI5QDhkZWZlMzc1%40thread.v2/0?content=%7b%22id%22%3a%227359f896-71e2-4dae-b8a3-15cdf97f2f10%22%2c%22oid%22%3a%2211d82c0b-51f1-487c-a0ff-5e6914e0fb97%22%7d
2	192	An Effective Malware Detection Model Using a Novel Fusion of Machine Learning and ANN Approach	1.A. Lakshmanarao 2.D.Sirisha 3.M. Raja Babu 4.Raja Rao PBV		
3	197	A Review Analysis of Machine Learning Algorithms for Agricultural Drought Forecasting	1.Dr.Vuda Sreenivasa Rao 2.Satya Sai Baba Madarapu 3.Sunil Kumar Kasarla 4.Likhith Reddy Tummuru 5.Yashwanth Ramagiri		
4	72	Crowd management system using Yolov7	1.Medhavi Bhardwaj 2.Ishan Sangal 3.Anushka Singhal 4.Sandeep Kumar		
5	77	A Survey of Intrusion Detection Systems Using Machine Learning and Deep Learning Models	1.Koteswararao Ch 2.Jalaiah Saikam		
6	137	Hand Sign Detection for Deaf and Dumb	1.P. Lavanya Kumari 2.Susheela Korasiku 3.JVS. Charan 4.Syed Abdul Samae 5.Akshith Reddy Kudumula		



ADITYA ENGINEERING COLLEGE (A)

Aditya Nagar, ADB Road, Surampalem

Department of Computer Science and Engineering

International Conference on Algorithms and Computational Theory for Engineering Applications (ICACTEA) 2024

02-02-2024 Session-2 Track-2 (Online)

S.No	Paper ID	Paper Title	Author(s) Name	Faculty Coordinator	Presentation Link
1	106	IoT Enabled Soil Health Prediction and Crop Suitability Analysis	1.Snigdha Peddi 2.Harini Reddy K	Mrs.K.Vydhei, M.Tech Assitant Professor, AEC, CSE, 8919659525	https://teams.microsoft.com/l/meeting/join/19%3ameeting_MmJjNjRmOWMtOWI2Ni00NTgyLWFIZDYtMWVvZjNjN2Q5Mzcz%40thread.v2/0?context=%7b%22Tid%22%3a%227359f896-71e2-4dae-b8a3-15cdf97f2f10%22%2c%22Oid%22%3a%228527cf60-5a4c-4d0e-90f3-02e15b68d1ed%22%7d
2	199	Automated skin disease detection using cnn	1.G. Vineeth Sai 2.Savaram saikrishna chaitanya prabhu 3.Jupally Saicharan 4.Varshith Reddy Myaka		
3	70	Anomaly Detection using a novel approach based on Grid HTM	1.Dnyanesh Gholap 2.Vishal Gavali 3.Onkar Borude 4.Anushka Popalghat 5.Premanand Ghadekar 6.Sarvesh Hadole		
4	119	Brain Tumor Detection and Classification in MRI Images Using Deep Learning	1.Sukanya Varshini K 2.A. Jackulin Mahariba 3.Amutha A L 4.Priya S 5.Prabaharan G		
5	120	Deepfake Video Detection Using Mouth Movement Technology	1.Yuvaraj Renu 2.Vinotha D 3.Karishma Arora 4.T.S.Arthi 5.S.Premkumar		
6	144	An Approach for Recognizing Object using Convolutional Neural Network	1.Sekharmahanti S Nandini 2.Ravi Ravva 3.Sreelahari Vallamsetla 4.N.Sowjanya Kumari		



ADITYA ENGINEERING COLLEGE (A)

Aditya Nagar, ADB Road, Surampalem

Department of Computer Science and Engineering

International Conference on Algorithms and Computational Theory for Engineering Applications (ICACTEA) 2024

02-02-2024 Session-2 Track-3 (Online)

S.No	Paper ID	Paper Title	Author(s) Name	Faculty Coordinator	Presentation Link
1	26	IoTBased Meteorological Analysis	1.B.Akhil 2.Ch.Abhishek 3.Rakshitha Bashetti 4.K.J.Onesim	Mr.P.Murali., M.Tech(Ph.D), Sr.Assitant Professor, AEC, CSE, 8374568018	https://teams.microsoft.com/join/19%3ameeting_ZDI1ZDkyODItMTMyMi00ZDM4LWFiMjctM2EzYTQ5MWwEwNTc3%40thread.v2/0?context=%7b%22Tid%22%3a%227359f896-71e2-4dae-b8a3-15cdf97f2f10%22%2c%22Oid%22%3a%2240b05337-fbd4-4a44-acb9-ae6c478eed6%22%7d
2	112	IoT-based Home Automation using Blynk Application & Google Assistance	1.Sarada Musala 2.K.Vijaya Vardhan 3.Yanamadala Krishna Sai		
3	142	Optimising Traffic Lights with Artificial Intelligence for Smarter Control	1.K Rajendra Prasad 2.N Nagarjuna 3.P Raviteja Reddy 4.Ch Susheel Krishna 5.Ganta Pranav Sai		
4	151	Prediction of Turbidity by an Optimized Neural Network using Remote Sensing data	1.P. Durga Devi 2.Dr. G Mamatha		
5	189	Edge based ICN for Efficient Message Discrimination in VANET	1.Hari Krishna Chilakala 2.Dr. Boddepalli Kiran Kumar		



ADITYA ENGINEERING COLLEGE (A)

Aditya Nagar, ADB Road, Surampalem
Department of Computer Science and Engineering

International Conference on Algorithms and Computational Theory for Engineering Applications (ICACTEA) 2024 03-02-2024 Session-3 Track-1 (Offline)

S.No	Paper ID	Paper Title	Author(s) Name	Faculty Coordinator	Presentation Link
1	24	AI Driven-Music Player Based on Human Emotions	1.Sai Kiran Muppiniseti 2.Bindu Sri Vijaya Guttula 3.Satish Kumar Gannavarapu 4.Sai Baba Gandham	Mrs.P.Srilatha, M.Tech(Ph.D), Sr.Assitant Professor, AEC, CSE, 9133275019	Offline Mode Cotton Bhavan IInd Floor Seminar Hall -208
2	138	Smart Stick Assistive Technology for blind or visually impaired persons	1.A. Phani Sridhar 2.T. Krishna Mohana 3.M. Kalyan Ram 4.Ch. Sujana		
3	160	AI and IoT Based Flood Detection and Alerting Model at River Dams	1.Nimmalapudi Sindhuja 2.Gandhikota Umamahesh 3.Ch Satya Sravani 4.Nageswara Rao Aramanda		
4	201	Path Planning and Trajectory Control of Autonomous Robot Using Metaheuristic Algorithms	1.Gajendra K 2.Thivagar K 3.Karna Vishnu Vardhana Reddy		
5	190	Identifying Patterns and Trends in Campus Placement Data Using Machine Learning	1.Dukuru Venkatesh 2.Dr.Suneetha Racharla 3.Dr.Maganti Venkatesh		



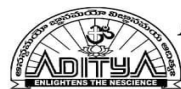
ADITYA ENGINEERING COLLEGE (A)

Aditya Nagar, ADB Road, Surampalem
Department of Computer Science and Engineering

International Conference on Algorithms and Computational Theory for Engineering Applications (ICACTEA) 2024

03-02-2024 Session-3 Track-2 (Online)

S.No	Paper ID	Paper Title	Author(s) Name	Faculty Coordinator	Presentation Link
1	129	Privacy and QOS Improvement in NB-IoT Using Hybrid Deep Learning Model	1.Sirisha Madiraju 2.Dr.P.Abdul Khayum	Mr.BRSS Raju, M.Tech.(Ph.D), Assistant Professor, AEC, CSE, 8886533908	https://teams.microsoft.com/v2/?meetingjoin=true#/l/meetup-join/19:meeting_ZGI3NWQ0MzgtNGQzYi00YjA3LWlxMzktY2JkNzQzNzFIMDFi@thread.v2/0?context=%7b%22id%22%3a%2227359f896-71e2-4dae-b8a3-15cdf97f2f10%22%2c%22oid%22%3a%2213a4ee2c-411a-4395-8ef8-a90288a7a160%22%7d&anon=true&deplinkid=38c5c5e5-58fc-4e9f-ac06-5810b705447d
2	74	Design and implementation of V-unite.	1.R.Sam Pradhan 2.S.Jhansi Naga lakshmi 3.V.Aruna 4.S.Aruna Deepthi 5.R.Leelavathi		
3	183	A Review of Human Emotion Recognition using Various Sensors and Techniques	1.Dr. M. A. Pund 2.Shruti G. Taley		
4	37	Application of OpenCV and its Features for Human Detection and Tracking	Sreethu S		
5	200	A low cost laser marker and computer vision based system for autonomous mobile robot orientation correction	1.Abhijit Chandra 2.Ushnish Sarkar 3.Mihir Jaipuria 4.Rhik Maitra 5.Chandan Barai		



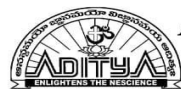
ADITYA ENGINEERING COLLEGE (A)

Aditya Nagar, ADB Road, Surampalem

Department of Computer Science and Engineering

International Conference on Algorithms and Computational Theory for Engineering Applications (ICACTEA) 2024 03-02-2024 Session-4 Track-1 (Online)

S.No	Paper ID	Paper Title	Author(s) Name	Faculty Coordinator	Presentation Link
1	49	Vegetation Segmentation of Satellite Images Using U-Net Architecture	1.Swati Shilaskar 2.Janhavi Kale 3.Rajnandini Kamble 4.Karan Paigude	Ms.Sravani M.Tech, Assistant Professor, AEC, CSE, 9133070343	https://teams.microsoft.com/join/19%3ameeting_MzcwZjZIMTitNDY0Mi00Mzc0LWJkNTEtNTIjYmM3NGM1Mjgy%40thread.v2/0?context=%7b%22id%22%3a%227359f896-71e2-4dae-b8a3-15cdf97f2f10%22%2c%22oid%22%3a%223044680e-90c8-4058-b49e-4b0192487117%22%7d
2	90	Efficient COVID-19 Detection in Chest X-ray Images Using Restricted Boltzmann Machines for Feature Extraction	1.Pheiroijam Prishika 2.Khelchandra Thongam		
3	187	Loan Risk Prediction Using Neural Networks: A Comparative Analysis with Support Vector Machines	1.Vinayak Pawar 2.Kirti Wanjale 3.Araddhana A. Deshmukh 4.Shraddha V. Pandit		
4	193	Integrating Deep Learning And Big Data For Cloud-Based Automated Student Attendance Tracking And Communication System	1.Mrs.M.Sasikala 2.Dr.R.Lawrance 3.Dr.C.Devi Arockia Vanitha		
5	43	Identification of Parkinson's Disease with Tremors using Decision Tree Algorithm	1.Dr. A. P. Siva Kumar 2.Sk. Wasim Akram		
6	134	Efficient Group Key Establishment Protocol in Resource-Constrained Environments using Identity-Based Cryptography	1.Manmohan Pundir 2.Abhimanyu Kumar		



ADITYA ENGINEERING COLLEGE (A)

Aditya Nagar, ADB Road, Surampalem

Department of Computer Science and Engineering

International Conference on Algorithms and Computational Theory for Engineering Applications (ICACTEA) 2024 03-02-2024 Session-4 Track-2 (Online)

S.No	Paper ID	Paper Title	Author(s) Name	Faculty Coordinator	Presentation Link
1	167	Comparative analysis of different type of Cryptography techniques	1.Sonam Gour 2.Reena Sharma 3.Shirish Mohan Dubey 4.Gaurav Sharma	Mr.Jala Prasad, M.Tech, Assitant Professor, AEC, CSE, 8985240704	https://teams.microsoft.com/l/join/19%3ameeting_NjAzZWZmZWQOTMyMy00YTIhLWExYTUtYjM4NmRiZjMxMzEw%40thread.v2/0?context=%7b%22Tid%22%3a%227359f896-71e2-4daeb8a3-15cdf97f2f10%22%2c%22Oid%22%3a%22b282fab2-3b9a-4b9c-afd7-cc21371d34fc%22%7d
2	71	Training Cost-Sensitive Classifiers to Tackle Imbalanced Data	1.Utkarsh Kejriwal 2.Komal Arora		
3	14	Segmentation of Cerebral MRI Images using Fuzzy C-Means and Genetic Algorithm	1.R. Anil kumar 2.U.S.B.K. Mahalaxmi 3.N.N.S.V. Ramaraju		
4	156	Enhancing Driver Safety through Sensor-based Detection and Mitigation of Health Risks in Vehicles	1.Neelaihgari Girivenkata Saitej 2.Vanapalli Satya Sumanth 3.Chandra Raga Madhuri		
5	118	Unlocking the Genetic Code of Cancer: A Machine Learning Approach for Mutational Classification and Gene Expression Analysis	1.B Prameela Rani 2.A Vanathi 3.CH Amarendra 4.K Sravana Kumar		
6	168	A Novel Technique to Segment Maps from Scanned Document Images	1.Dr. Rupinderpal Kaur 2.Dr. Manish Jindal		