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# VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous, ISO 9001:2015 & QS I-Gauge Diamond Rated Institute, Accredited by NAAC with 'A++' Grade  
NBA Accreditation for CE, EEE, ME, ECE, CSE, EIE, IT B.Tech. Programmes Approved  
by AICTE, New Delhi, Affiliated to JNTUH, NIRF 109 Rank in Engineering Category  
Recognized as "College with Potential for Excellence" by UGC  
VignanaJyothi Nagar, Pragathi Nagar, Nizampet (S.O), Hyderabad – 500 090, TS, India.  
Telephone No: 040-2304 2758/59/60, Fax: 040-23042761  
E-mail: postbox@vnrvjiet.ac.in, Website: www.vnrvjiet.ac.in



## International Conference on Advances in Computer Engineering and Communication Systems - ICACECS-2020, 13<sup>th</sup> & 14<sup>th</sup> August 2020.

### Department of Computer Science & Engineering

#### PROGRAM SCHEDULE

DAY	INAUGURATION (Venue: B Block Seminar Hall)	TIME	
Day-1 13 <sup>th</sup> Aug 2020	Prayer Song	10.00AM - 10.05AM	
	Welcome Address by Chair Dr C Kiran Mai Professor Dept of CSE	10.05AM - 10.10AM	
	Address by HoD Dr B V Kiranmayee Head, Dept of CSE	10.10AM - 10.15AM	
	Address by Principal Dr CD Naidu	10.15AM - 10.20AM	
	Address by President Dr D N Rao	10.20AM -10.25AM	
	Address by Chief Guest Shri Rajiv Ratan Chetwani, Director at ISRO Headquarters	10.25AM - 10.40AM	
	Address by General Secretary Sri.K.Harishchandra Prasad	10.40AM - 10.45AM	
	Address by Guest of Honor Prof. Govardhan Aliseri Rector (Pro Vice-Chancellor) and EC Member at JNTUH, Hyderabad	10.45AM - 11.00AM	
	Address by Director Dr. B Chennakesava Rao	11.00AM - 11.05AM	
	Address by Director for R & D Dr. A Subhananda Rao	11.05AM - 11.10AM	
	Address by Editorial Member Dr. K Srujan Raju	11.10AM - 11.15AM	
	Address by Key Note Speaker Dr. Raghava Rao Mukkamala, CBDA, CBS, Denmark	11.15M - 11.20AM	
	Address by Editorial member & Key Note Speaker Dr Suresh Chandra Satapathy, KIIT University, Bhubaneswar	11.20AM – 11:25AM	
	Vote Of Thanks by Programme Co- Chair Dr Deepak Sukheja Associate Professor Dept of CSE	11.25AM – 11:30AM	
	<b>KEY NOTE SESSION -1</b> <b>Dr. Raghava Rao Mukkamala, CBDA, CBS, Denmark</b>	11.30PM – 12.30PM	
	<b>LUNCH BREAK</b>		
	Presentations Track-1: Session-1 <b>MEZZANINE TECHNOLOGIES</b>	01.30PM –04.00PM	
Presentations Track-1: Session-2 <b>MEZZANINE TECHNOLOGIES</b>	01.30PM – 04.00PM		
Presentations Track-2: Session-3 <b>BIG DATA and DATA ANALYTICS</b>	01.30PM – 04.00PM		
DAY- 2 14 <sup>th</sup> Aug 2020	<b>KEY NOTE SESSION.-2</b> <b>Speaker: Dr Suresh Chandra Satapathy, KIIT University, Bhubaneswar</b>	10.00AM – 11.00AM	
	<b>BREAK</b>		
	Presentations Track-2: Session-4 <b>BIG DATA and DATA ANALYTICS</b>	11.30PM – 01.00PM	
	Presentations Track-3: Session-5 <b>CLOUD, IoT and DISTRIBUTED COMPUTING</b>	12.00PM – 02.00PM	
	Presentations Track-4:Session-6 <b>NETWORKS, COMMUNICATION&amp; SMART SYSTEMS</b>	12.30PM – 03.00PM	
	Presentations Track-5: Session-7 <b>SPEECH RECOGNITION &amp; IMAGE PROCESSING</b>	12.30PM – 03.00PM	
<b>VALIDICTORY SESSION</b>		03.30 PM Onwards	

<b>DAY-2</b>	<b>VALEDICTORY (Venue: B Block Seminar Hall)</b>	<b>TIME</b>
<b>Day-2 14<sup>th</sup> Aug 2020</b>	Welcome Address by Programme Co- Chair Dr P Subhash Associate Professor Dept of CSE	03.30PM – 03.35PM
	Address by Guest of Honor Dr Umesh Kumar Singh Vikram University Ujjain	03.35PM – 03.40PM
	Address by Chief Guest Dr. M. Manzoor Hussain, Registrar, JNTUH. Hyderabad	03.40PM – 03.45PM
	Announcement of Best Papers by Dr P Subhash Associate Professor Dept of CSE	03.45PM – 03.50PM
	Closing Session by Dr C Kiran Mai Professor Dept of CSE & Dr B V Kiranmayee Head, Dept of CSE	03.50PM – 04.00PM
	Vote of Thanks by Programme Co-Chair Dr A Brahmaananda Reddy Associate Professor Dept of CSE	04.00PM – 04.10PM

## Papers Presentation Schedule

### DAY-1

<b>DAY-1</b>	<b>Presentations</b>	<b>1.30PM – 4.00PM</b>
	<b>Track-1: MEZZANINE TECHNOLOGIES</b>	
<b>Session-1</b>		
<b>PID</b>	<b>TITLE</b>	<b>Time</b>
3	Prediction of Anemia Disease Using Classification Methods	1.30PM – 1.40PM
7	Diabetic symptoms prediction through retinopathy	1.40PM – 1.50PM
8	Prediction of Cervical Cancer	1.50PM – 2.00PM
23	A new 5-layer model approach for Pneumonia Prediction	2.00PM – 2.10PM
24	Prediction of Liver Malady using Advanced Classification Algorithms	2.10PM – 2.20PM
34	The Mechanism of Generating the Automated Java Unit Test Cases by achieving Maximum Code Coverage	2.20PM – 2.30PM
<b>COVID-19 AWARENESS</b>		
41	Preventing Crime Using Advanced Artificial Intelligence Techniques	2.40PM – 2.50PM
58	A Survey on Identification of Illegal Wildlife Trade	2.50PM – 3.00PM
62	An approach for optimizing algorithms which find k1-most demanding products	3.00PM – 3.10PM
71	Heart Attack Classification using SVM with LDA and PCA linear transformation techniques	3.10PM – 3.20PM
82	Distributed Training of Deep Neural Network for Segmentation-free Telugu Word Recognition	3.20PM – 3.30PM
100	A Comparison of Classical Machine Learning Approaches for Early Structural Damage Identification	3.30PM – 3.40PM
175	Machine Learning Approach to Track Malnutrition in Children with Rural Background	3.40PM – 3.50PM

<b>DAY-1</b>	<b>Presentations</b>	<b>1.30PM – 4.00PM</b>
	<b>Track-1: MEZZANINE TECHNOLOGIES</b>	
<b>Session-2</b>		
<b>PID</b>	<b>TITLE</b>	<b>Time</b>
149	A Deep Learning approach for Cardiac Arrhythmia detection	1.30PM – 1.40PM
102	Real Estate Sales Forecasting with SVM Classification	1.40PM – 1.50PM
103	Credit Card Fraud Detection Using Spark and Machine Learning Techniques	1.50PM – 2.00PM
111	An Efficient Deep Learning Based Approach for Malware Classification	2.00PM – 2.10PM
120	A hybrid deep learning approach for detecting zero - day malware attacks	2.10PM – 2.20PM
123	Glaucoma Detection based on Deep Neural Networks	2.20PM – 2.30PM
<b>COVID-19 AWARENESS</b>		
144	Acoustic Characteristics Heart Sounds S1 and S2 of Single Level Auto Encoder with DNN	2.40PM – 2.50PM

150	Multy-Classification for Cardiac Arrhythmia Detection using Deep Learning Approach	2.50PM – 3.00PM
156	Intelligent Traffic Light Management System	3.00PM – 3.10PM
158	Human Age Estimation Using Support Vector Machine	3.10PM – 3.20PM
164	Chatbot for College Website	3.20PM – 3.30PM
165	Real-time credit card fraud detection using spark framework	3.30PM – 3.40PM
166	Deep Learning Model for Recognizing Text in Complex Images	3.40PM – 3.50PM

<b>DAY-1</b>	<b>Presentations</b>	<b>1.30PM – 3.30PM</b>
	<b>Track-2: BIG DATA and DATA ANALYTICS</b>	
	<b>Session-3</b>	
<b>PID</b>	<b>TITLE</b>	<b>Time</b>
29	A A Fuzzy based Approach for Indian Standard Classification of Soils	1.30PM – 1.40PM
38	Fuzzy logic controller for accurate diagnostics in X ray film	1.40PM – 1.50PM
49	Comprehensive Analysis of State of the Art Techniques for VQA	1.50PM – 2.00PM
56	Study of State of Arts Methods for Event Extraction	2.00PM – 2.10PM
80	Malware Detection Kit for malware analysis of Big data	2.10PM – 2.20PM
<b>COVID-19 AWARENESS</b>		
98	Ground Water Level Analytics for Effective Water Level Predictions and Visualization of the Patterns	2.30PM – 2.40PM
104	A real life decision making problem via a fuzzy number matrix	2.40PM – 2.50PM
106	Construction of Phylogenetic Tree for Cyclooxygenase Dataset by Clustering	2.50PM – 3.00PM
128	Early Detection of Sepsis on Clinical Data using Multi Layer Perceptron	3.00PM – 3.10PM
135	A Study on Onsite - Offshore Data Security Model for Big Data Applications	3.10PM – 3.20PM

## Day-2

<b>DAY 2</b>	<b>KEY NOTE SESSION – 2</b>	<b>10.00AM – 11.00AM</b>
	<b>Dr Suresh Chandra Satapathy, KIIT University, Bhubaneswar</b>	
	<b>BREAK</b>	
	<b>Presentations</b>	<b>11.30PM – 1.10PM</b>
<b>Track-2: BIG DATA and DATA ANALYTICS</b>		
<b>Session-4</b>		
<b>PID</b>	<b>TITLE</b>	<b>Time</b>
32	Blocking Mobile Based Games and Nullifying the Search String Containing Inappropriate Words	11.30AM – 11.40AM
36	A methodology to retrieve information from ontologies with the application of D2R Mapping and SPARQL	11.40AM – 11.50AM
77	An improved web information system through identification of faculty browsing patterns in affiliated engineering institutions	11.50AM – 12.00AM
89	Word Sense Disambiguation for Telugu using Lesk	12.00PM – 12.10PM
<b>COVID-19 AWARENESS</b>		
90	Identifying the Duplicate Questions in Community Question Answering Forums using Machine Learning Approaches	12.20PM – 12.30PM
92	Dynamic Watermarking using Python AST	12.30PM – 12.40PM
94	A Novel Framework for Video Retrieval Algorithm Evaluations and Methods for Effective Context Aware Video Content Retrial Method on Cloud	12.40PM – 12.50PM
107	Extractive Summarization using Frequency Driven Approach	12.50PM – 1.00PM
127	Cancer Classification using Mutual Information and Regularized RBF-SVM	1.00 PM – 1.10PM

DAY 2	Presentations		12.00PM – 2.00PM
	Track-3: CLOUD, IoT and DISTRIBUTED COMPUTING		
	Session-5		
PID	TITLE	Time	
5	Smart Dustbin: A Reward Provider	12.00PM – 12.10PM	
28	Auction System in Food Supply Chain Management using Blockchain	12.10PM – 12.20PM	
43	Issue Resolution Process: Salesforce	12.20PM – 12.30PM	
47	Automated Member Enrollment: Health Insurance Agency	12.30PM – 12.40PM	
75	Prediction of Rice Plant Diseases based on Soil and Weather conditions	12.40PM – 12.50PM	
<b>COVID-19 AWARENESS</b>			
121	A Robust and Secured mechanism for sharing encrypted data in cloud systems	1.00PM – 1.10PM	
122	Providing Security for Cloud Computing Platform Using IP Address Randomization	1.10PM – 1.20PM	
124	Smart Wireless Black Box with Intelligent Facial Recognition System for Prevention of Accidents and Theft of Vehicles Using Raspberry Pi Along with Sensors Based on IoT	1.20PM – 1.30PM	
172	A Review of contemporary and future renewable energy generation technologies to store data in the era of Cloud Computing and IoT	1.30PM – 1.40PM	
66	Survey on Multimodal Emotion Recognition (MER) Systems	1.40PM – 1.50PM	

DAY 2	Presentations		12.30PM – 3.00PM
	Track-4: NETWORKS, COMMUNICATION & SMART SYSTEMS		
	Session-6		
PID	TITLE	Time	
37	Line Stability Index Based Voltage Stability Assessment Placing Series Compensation of TCSC	12.30PM – 12.40PM	
70	Homomorphic Analysis of Privacy-Preserving Psychological Medical Records	12.40PM – 12.50PM	
78	Transient Response Improvement of Separately Excited D.C Motor using Fuzzy Logic Controller	12.50PM – 1.00PM	
96	Energy Efficient Data Transmission in a Three-Hop Cooperative Cellular NB-IoT Network Using Double Auction	1.00PM – 1.10PM	
99	Identification of Security Threats Using Honeypots	1.10PM – 1.20PM	
101	A TDMA Scheduling for Particle Swarm Optimization based Unequal clustering in WSN: PSO-UFC-TDMA	1.20PM – 1.30PM	
<b>COVID-19 AWARENESS</b>			
108	Efficient MAC Protocol Analysis Systems for Wireless Sensor Network	1.40PM – 1.50PM	
112	Analysis of Wireless Mesh Networks in Machine Learning Approaches	1.50PM – 2.00PM	
118	Smart Healthcare Monitoring for Drivers	2.00PM – 2.10PM	
130	Improving the traffic control system by modifying the geometry of roads and squares by removing the discontinuity of space	2.10PM – 2.20PM	
131	Smart Ambulance System using Fire-Based Cloud Technology and Laser Beam Mechanism	2.20PM – 2.30PM	
137	A Review on Comparative Analysis of Add-Shift Multiplier and Array Multiplier Performance Parameters	2.30PM – 2.40PM	
159	An Effective Technique to Detect Dimensions of Pipe under the Ground Using GPR Images	2.40PM – 2.50PM	

DAY 2	Presentations		12.30PM – 3.00PM
	Track-4: SPEECH RECOGNITION & IMAGE PROCESSING		
	Session-7		
PID	TITLE	Time	
25	Cyclic Exploration-based Whale Optimization to Linear Discriminant Regression Classification for Face Recognition	12.30PM – 12.40PM	
83	Facial Emotion Recognition to examine human face using hybridization method	12.40PM – 12.50PM	
86	Emotion and stress recognition through speech Using Machine Learning	12.50PM – 1.00PM	
113	Analysis of Detecting White Blood Cells by Computer Vision Methods	1.00PM – 1.10PM	
119	Analyzing vocal patterns to determine Gender, Age and Emotion	1.10PM – 1.20PM	
125	Indian Sign Language Recognition Using Convolutional Neural Networks	1.20PM – 1.30PM	
<b>COVID-19 AWARENESS</b>			
126	Text Recognition in Complex Images using Deep Learning Models: A Survey	1.40PM – 1.50PM	
132	Hand Gesture Recognition to Implement Virtual Mouse using Open Source Ccomputer Vision Library: Python	1.50PM – 2.00PM	
133	Image Fusion using LUKR in Multi-Modal Authentication	2.00PM – 2.10PM	
143	Efficient Online-Task Scheduling in Distributed Computing Environments using Least Average Load Variance Algorithm	2.10PM – 2.20PM	
153	A Survey on Real-Time Automated Attendance System	2.20PM – 2.30PM	
154	Vocal Analysis To Predict Suicide Tendency	2.30PM – 2.40PM	
168	Comparative Analysis of Different classifiers for Speech Emotion Recognition	2.40PM – 2.50PM	
<b>VALIDICTORY FUNCTION</b>		<b>3.30 PM Onwards</b>	