

# **Annamacharya Institute of Technology & Sciences**

## **4th International Conference on Recent Challenges in Engineering and Technology**

**(ICRCET-18)**

**31<sup>st</sup> Jan & 1<sup>st</sup> Feb 2019**

**DAY 1: 31/01/2019**

<b>Registration</b>	- 09.00 am to 09.30 am
<b>Inaugural Function</b>	- 09.30 am to 10.00 am
<b>Keynote Speeches</b>	- 10.00 am to 11.00 am
<b>Tea Break</b>	- 11.00 am to 11.15 am
<b>Technical Session - I</b>	- 11.15 am to 01.15 pm
<b>Lunch Break</b>	- 01.15 pm to 02.00 pm
<b>Technical Session - II</b>	- 02.00 pm to 04.00 pm

**Day 1**  
**TECHNICAL SESSION - I (11.15 am to 01.15 pm)**  
**Hall - 1                      CSE & Management**

1.	Development of Real Time Analytics of Movies Review Data using PySpark <i>Prakash K. Aithal</i>
2.	Identifying Email Threats Using Predictive Analysis <i>Shailesh More</i>
3.	The Solutions of SQL Injection Vulnerability in Web Application Security <i>Syamasudha V</i>
4.	Cryptographic Algorithms Are Used In Cloud Computing For Security: A Study <i>Dr. G. RamaSubba Reddy</i>
5.	Intelligent System to estimate ASTA values of Dry Red Chillies using Artificial Neural Network <i>Dashrathraj K Shetty</i>
6.	Detection Approach for Botnets with Cross Cluster Correlation <i>V. Maruthi Prasad</i>





## Day 1

### TECHNICAL SESSION - II (02.00 pm to 04.00 pm)

**Hall -1**

**CSE & Management**

1.	<p style="text-align: center;">Study of Parameters that lead to Challenges in Sentiment Analysis</p> <p style="text-align: center;"><i>P. Preethi Krishna</i></p>
2.	<p style="text-align: center;">PEER – TO – PEER COMPUTING: ARCHITECTURES, APPLICATIONS AND CHALLENGES</p> <p style="text-align: center;"><i>D Giridhar Kumar</i></p>
3.	<p style="text-align: center;">FPGA-Based Implementation of Basic ImageDenoising Techniques with improved Genetic Algorithm</p> <p style="text-align: center;"><i>SK.Faiz Ahmed</i></p>
4.	<p style="text-align: center;">The Impact of SLBM on stock market Liquidity and Momentum</p> <p style="text-align: center;"><i>Priyanka Sanghavi</i></p>
5.	<p style="text-align: center;">Impact of digital marketing on the consumer behavior in retail industry</p> <p style="text-align: center;"><i>P. GANESH</i></p>
6.	<p style="text-align: center;">Blockchain Technology: Its Importance, Implementation and Impact on Customer Experience</p> <p style="text-align: center;"><i>Dr.P.Ramesh Babu</i></p>

## Day 1

### TECHNICAL SESSION - II (02.00 pm to 04.00 pm)

**Hall -2**

**ECE & EEE**

1.	<p>Speech Enhancement using Discrete Wavelet Transform and Non Local Means Estimation</p> <p><i>V Sagar Reddy</i></p>
2.	<p>Error Detection and Correction Methods for Memories used in System-on-Chip Designs</p> <p><i>Gunduru Swathi Lakshmi</i></p>
3.	<p>Design and Implementation of 2-4 Mixed-Logic Line Decoders for unsupervised learning</p> <p><i>S.S.R. Mounica</i></p>
4.	<p>Performance analysis of a pulse-triggered D-flip-flops design for ultra-low power applications</p> <p><i>N.N.S Hima Bindu</i></p>
5.	<p>Securing IOT Network through Quantum Key Distribution – A Review</p> <p><i>S.Krithika</i></p>
6.	<p>Discrete Wavelet Analysis based Processing of Short-Duration Voltage Variations</p> <p><i>M.S.Priyadarshini</i></p>
7.	<p>Bidirectional DC-DC converter for an onboard EV battery charger with V2H application</p> <p><i>Vibhav Khedekar</i></p>
8.	<p>Design and simulation of single phase inverter for hybrid energy system</p> <p><i>Vandana Muratti</i></p>
9.	<p>Transmission Loss Allocation With TCSC Using BSO Algorithm In Deregulated Power System</p> <p><i>P.Jyoshna</i></p>
10.	<p>Solar Energy measurement using Arduino Board</p> <p><i>Dr. N. Pushpalatha</i></p>

**Day 1**

**TECHNICAL SESSION - II (02.00 pm to 04.00 pm)**

**Hall - 3**

**MECH**

1.	Prominence of Bio-Fuels as an Alternate Fuel in CI Engines <i>Sama Sanghamitra</i>
2.	Experimental Investigation and Optimization of EDM Process parameters on Al6061 by using TOPSIS and comparison with Genetic Algorithm <i>S. Siva Sankar</i>
3.	Performance and Emission Evaluation with Effect of Injection Pressure and Injection Timing on A Single Cylinder Diesel Engine <i>Mr.K. Rajasekhar</i>
4.	MODELING OF A RADIO CONTROLLED PLANE WITH ANALYSIS OF LIFT GENERATION USING ANSYS FLUENT <i>K.Rajesh Kumar</i>
5.	Structure and FE examination of Hybrid composite Motor protective Helmet <i>Dr.D.Sreenivasulu Reddy</i>

**DAY 2: 01/02/2019**

<b>Registration</b>	- <b>09.00 am to 09.30 am</b>
<b>Keynote Speeches (Venue: Auditorium)</b>	- <b>09.30 am to 11.30 am</b>
<b>Tea Break</b>	- <b>11.30 am to 11.45 am</b>
<b>Technical Session - I</b>	- <b>11.45 am to 01.15 pm</b>
<b>Lunch Break</b>	- <b>01.15 pm to 02.00 pm</b>
<b>Technical Session - II</b>	- <b>02.00 pm to 04.00 pm</b>
<b>Valedictory Function</b>	- <b>04.00 pm to 05.00 pm</b>



**Day 2**

**TECHNICAL SESSION - I (11.45 am to 01.15 pm)**

**Hall-1**

**CSE & IT**

1.	Digital Signature Verification Using Artificial Neural Networks <i>Gopichand G</i>
2.	Sarcasm Detection in Twitter using Sentiment Analysis <i>Bala Durga Dharmavarapu</i>
3.	Comparative Assessment on Privacy Preservation in Health Care Sectors coupled with IoT <i>Mr. Pravin N.Kathavate</i>
4.	A Review On Data Migration And Replication Issues In Cloud Computing <i>R. V.S.S.Nagini</i>
5.	A Review On Data Security Issues And Mechanisms In Cloud Computing <i>Pratyusha.T</i>
6.	Software Project Effort Duration And Cost Estimation Using Regression Testing And Adaptive Firefly Algorithm (AFA) <i>B.M.G.Prasad</i>
7.	TOWARDS REFERENCE MODELS FOR REQUIREMENTS TRACEABILITY <i>S. Rohini</i>
8.	Research on Cloud Computing By using SaaS Model <i>Mr..K.Naresh</i>
9.	Telecom Customer Churn Analysis <i>Megha T Rao</i>

**Day 2**  
**TECHNICAL SESSION - I (11.45 am to 01.15 pm)**  
**Hall - 2** **ECE**

1.	Spectral Efficient Massive MIMO Multi-Cell 5g Cellular Environment Using Optimal Linear Processing Schemes <i>Madan Mohan Rao Nelluri</i>
2.	Design of Sub-Array for UHF Spaced Antenna Wind profiler Radar <i>Elluru Jayapal</i>
3.	Brain Tumour Detection using Graph Cut Method <i>Harish Pasupulati</i>
4.	A Novel Secure For Smart Home System Using IoT <i>Dr.N.C.Eshwar Reddy</i>
5.	Real-time Facial Expression Recognition System using Raspberry Pi <i>M.Lakshminarayana Reddy</i>
6.	Energy Efficient Sensor Positioning in Wireless Sensor Networks <i>N. Pushpalatha</i>
7.	Efficient of Noise and Energy of CMOS Amplifier for Neural Recording Applications <i>G.Vasantha</i>
8.	IoT using Air Quality Monitoring System <i>C.Sreekanth</i>
9.	IoT using Smart Energy Meter for Home <i>K.Vijayalakshmi</i>
10.	A Blind Watermarking Technique using Redundant Wavelet Transform for Copyright Protection <i>Dr.P.SatyaNarayana</i>
11.	Implementation Based on Dual Background & Modelling for detection of moving shadows <i>T.Jyothi</i>
12.	Wireless Detection of Landmines by Using GPS & GSM <i>B. Neelima</i>
13.	Implementation of Fast Binary Counters Based on Symmetric Stacking <i>I.Suneetha</i>
14.	ATM Security with Biometric Authentication <i>Dr.Irala Suneetha</i>

## Day 2

### TECHNICAL SESSION - I (11.45 am to 01.15 pm)

**Hall -3**

**Civil & Mech**

1.	<p>CONSERVATION OF "NATURAL SAND "AND A SUBSTITUTE OF "NATURAL SAND "- IN CONSTRUCTIONS IS THE NEED OF THE HOUR</p> <p><i>Prof. Balakrishna S Maddodi</i></p>
2.	<p>AN EXPERIMENTAL INVESTIGATION ON THE STRENGTH PROPERTIES OF CONCRETE BY PARTIAL REPLACEMENT OF CEMENT WITH FLY ASH AND FINE AGGREGATE WITH QUARRY DUST</p> <p><i>A. Vinodh Kumar</i></p>
3.	<p>Mechanical Properties of Recycled Coarse Aggregate Concrete by Partial Replacement of Cement with GGBS and Fly Ash</p> <p><i>N. Janardhan</i></p>
4.	<p>Mechanical properties of sustainable concrete incorporating manufactured sand and rice husk ash</p> <p><i>KG Rahul Varma</i></p>
5.	<p>EFFICIENCY OF NATURAL ZEOLITES IN CONCRETE</p> <p><i>K. Narasimhulu</i></p>
6.	<p>Multi Dimensional Modeling of The In-Cylinder Fuel Sprays Combustion and Emission Formation in D.I. Diesel Engine</p> <p><i>Bhanupriya K</i></p>
7.	<p>CFD Numerical Simulation for Intake Flow Field Design and Effects on Combustion and Emissions of DI Diesel Engine</p> <p><i>Balaji M</i></p>
8.	<p>A review on Producer gas in Internal Combustion Engines</p> <p><i>Uppalapati.Babu</i></p>
9.	<p>CHARACTERIZATION OF JUTE FRP COMPOSITE FOR STRUCTURAL AND ELECTRICAL APPLICATIONS</p> <p><i>P L Srinivasa Murthy</i></p>



## Day 2

### TECHNICAL SESSION - II (02.00 pm to 04.00 pm)

**Hall - 2**

**ECE**

1.	VLSI Design of Dynamic Logic Based Successive FFM <i>K. Jansi Laksmi</i>
2.	Electrical Line Man Safety using Finger Print Sensor <i>Dr.Irala Suneetha</i>
3.	Smart Helmet For Accidents Detection And Notifications <i>Rajani.A</i>
4.	Fire Alarming and Authentication System for Workhouse using Raspberry Pi 3 in IOT <i>B.Sreenivasan</i>
5.	Automatic EM Based Video Deraining and Desnowing using Temporal Correlation and Low-Rank Matrix Completion <i>Dr.Irala Suneetha</i>
6.	IoT Based Smart Health Monitoring System <i>S.Rohini</i>
7.	River Float Waste Cleaning Automation <i>N.Dilip kumar</i>
8.	Multiresolution Fusion Techniques for Medical Images <i>A.Mounika</i>
9.	IoT based Water Level Alert system and Quality Measurement <i>Paaturu Rajesh</i>
10.	Smart Security For Irrigation System <i>K.Kalyani</i>
11.	Threat Alarm For Protection Of Forest Trees Against Poaching Implementing IOT. <i>T.Saranya</i>
12.	Accident Prevention By Eye Blinking Sensor And Alcohol Detector <i>P.Sreekanth</i>
13.	DESIGN AND DEVELOPMENT OF WALL CLIMBING SWARM ROBOT <i>Rahul Ranjan</i>
14.	Power Optimization Techniques for Energy Efficient Low Power Architectures – A Review <i>Ms.V.Uma Maheswari</i>

15.	<b>Energy and Delay Efficient of CMOS PLC Receiver Design for Low Power Applications</b> <i>Ms.G.Vasantha</i>
16.	<b>Contextual action recognition in videos using TUBE-CNN</b> <i>S. Venkata Kiran</i>
17.	<b>TOWARDS REFERENCE MODELS FOR REQUIREMENTS TRACEABILITYg</b> <i>S. Rohini</i>
18.	<b>Plants Health monitoring system using Aurduino microcontroller</b> <i>K.R.Surendra</i>
19.	<b>Multi Object and Dynamic Query Based CBIR System using DCT Incorporated with HOG and HTF</b> <i>G. Suresh</i>

**Day 2**
**TECHNICAL SESSION - II (02.00 pm to 04.00 pm)**
**Hall - 3**
**Civil & Mech**

1.	Durability studies on Self-Compacting Concrete replacing fine aggregate partially with High impact polystyrene granules <i>CH. Bala Rama Krishna</i>
2.	Fresh Properties of Self Compacting Concrete using fly ash and Alccofine <i>Shaik Sabiya Sulthana</i>
3.	Investigation on Properties of Concrete using GGBS as Fine Aggregate <i>Palapareddy Sai Prasanth</i>
4.	MIX DESIGN FOR FLYASH BASED GEOPOLYMER CONCERTE <i>R.Swami Ranga Reddy</i>
5.	STRUCTURAL AND MODAL ANALYSIS OF SIMULATION SYSTEM FOR DYNAMIC OPTIMIZATION OF MECHANICAL STRUCTURES <i>Vamsi Krishna Arkadu</i>
6.	Study of behavior of optimal replacement model for a block of Air conditioners using Markov chains considering the influence of inflation <i>Hariprasada Reddy. Y</i>
7.	Planning and Characterization of Green Synthesized Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> ) Nanoparticles <i>Kalathur Kumar</i>
8.	Development and Applications of HHO Water Based Flame Torch <i>Putha Prasad Prasad</i>
9.	AN EXPERIMENTAL STUDY ON PARTIAL REPLACEMENT OF CEMENT BY VARIOUS PERCENTAGES OF PHOSPHOGYPSM IN CEMENT CONCRETE <i>R.Swami Ranga Reddy</i>