Third International Conference on

Emerging Research in Electronics, Computer Science and Technology

Sponsored by

TEQIP-III
Technical Education Quality Improvement Programme

ICERECT-2018

23rd -24th August 2018

Venue: P.E.S. College of Engineering, Mandya

Organized By:

P.E.S. COLLEGE OF ENGINEERING

Mandya-571401, Karnataka, India

(An Autonomous Institution under VTU, Belagavi,

Aided by Govt. of Karnataka, Recognized by AICTE, New Delhi)

Program Schedule	
Date : 22-08-2018 Wednesday	
10.00AM to 5.00PM	Pre-Conference Tutorial on "**Deep Learning**" by industry Experts with hands on session. (**A tribute to Dr.V Sridhar for having rendered his service as principal**)
Day 1: 23-08-2018 Thursday	
8.00 AM to 9.30 AM	Registration **Venue**: Placement Auditorium
10.00 AM to 11.30 AM	*Inauguration & Keynote address by* Dr. Madhusudhan Govindaraju Professor and Director of Graduate Admissions, Department of Computer Science, State University of New York (SUNY), Binghamton, USA. **TOPIC: BIG DATA AND CLOUD COMPUTING: RESOURCE MANAGEMENT CHALLENGES AND SOLUTION APPROACHES** **Venue**: Placement Auditorium
11.30 AM to 12.00 PM	----------Tea Break ------------
12.00 PM to 1.00 PM	*Keynote Address by Guest of Honour* Sri. Prashanth Prakash, Founding Partner, Accel, India. **TOPIC: COMPUTATIONAL INTELLIGENCE DRIVING INDIA'S PROMISING AGRI-TECH INDUSTRY** **Venue**: Placement Auditorium
1.00 PM to 2.00 PM	----------Lunch Break-------------

2.00 PM to 3.30 PM	**Paper Presentation Session :CS1A** **Venue : MBA Smart Class room-1**
	Theme: Data Mining & Machine Learning
	Chair Persons: 1.Dr.Vijayalakshmi. H.C ,Assoc. Prof & Head, Dept. of CS&E ,JSS, Science & Technology University (SJCE), Mysore.
	     2. Dr. C. Nandini, Professor & Head, Dept. of CS&E, DSATM, Bangalore.
	Co-ordinator: Dr. Umesh D R, Assoc. Professor, Dept. of CS&E, PESCE, Mandya.
	
	Paper Presentation Session : CS1B **Venue: MBA Smart Class room-2**
	Theme: Image processing
	Chair Persons: 1. Dr. Geetha Kiran, Dept. of CS&E ,MCE, Hassan
	     2. Dr. Lalitha Rangarajan, Professor, University of Mysore, Mysore
	Co-ordinator: Dr. M L Anitha, Professor, Dept. of CS&E, PESCE, Mandya.
	
	Paper Presentation Session : CS1C **Venue: MBA – MS 201**
	Theme: Data Mining & Machine Learning
	Chair Persons: 1. Dr. H L Shashirekha, Professor, Manglore University
	     2. Dr. Suma H N, Professor, Dept. of ME, BMSCE, Bangalore
	Co-ordinator: Dr. Vinay S, Professor, Dept. of CS&E, PESCE, Mandya.
	
	Paper Presentation Session : EC1A **Venue: MBA – MS 203**
	Theme: Image and video processing
	Chair Persons: 1. Dr. Mahendra Prashanth ,Professor.Dept.of ECE, SJBIT,Bangalore
	     2. Dr. R.V.Siva Reddy, Professor.Dept.of ECE, Reva University, Bangalore
	Co-ordinator:Dr. Punith Kumar M B, Associate Professor, Dept. of ECE,PESCE, Mandya.
	
	Paper Presentation Session : EC1B **Venue: MBA – MS 204**
	Theme: Solid State Devices & VLSI
	Chair Persons: 1. Dr. Gurumurthy K, Professor.Dept.of ECE, DSCE, Bangalore.
	     2. Dr.H V Ravish Aradhya, Professor.Dept.of ECE**,** RVCE,Bangalore

	Co-ordinator: Dr. Mahesh, Asst.Professor, Dept. of E&C, PESCE, Mandya.
	Paper Presentation Session : EE1A **Venue: MBA – MS 202** **Theme: Power Converters & Control** **Chair Persons: 1. Dr. Bansilal,** Professor, Dept. of E&EE, NIE, Mysore **2. Dr. K T Veeramanju,** Professor, Dept. of E&EE,SJCE, Mysore **Co-ordinator: Dr. P S Puttaswamy,** Professor & Head, Dept. of E&EE, PESCE, Mandya
3.30 PM to 3.45PM	**----------Tea Break-------------**
3:45 PM to 5.15 PM	**Paper Presentation Session : CS2A** **Venue: MBA Smart Class room-1** **Theme: Cloud Computing and Big Data Analytics** **Chair Persons: 1. Dr. Vidyaraj C,** Professor, NIE, Mysore **2. Dr.Uma. B ,** Professor, MCE, Hassan **Co-ordinator: Dr. Mahesh K Kaluti,** Assoc. Professor, Dept. of CS&E, PESCE, Mandya.
	Paper Presentation Session : CS2B **Venue:MBA Smart Class room-2** **Theme: Network Security and Cryptography** **Chair Persons: 1. Dr. Nagaraju,** Professor, Dept. of CS& E, RVCE, Bangalore. **2. Dr. Nalini N,** Professor, Dept. of CS & E, NMIT, Bangalore. **Co-ordinator: Dr. Nagarathna,** Professor, Dept. of CS&E, PESCE, Mandya.
	Paper Presentation Session :CS2C **Venue: MBA – MS 201** **Theme: Data Mining & Machine Learning** **Chair Persons: 1. Dr.K. M. Ravikumar,** Principal, SJC Institute of Technology, Chikkballpur **2. Dr. B.N.Shobha,** Prof. & Head, Dept. of E&C, SJCIT, Chikkballpur. **Co-ordinator: Dr. R. Girisha,** Professor, Dept. of CS&E, PESCE, Mandya.
	Paper Presentation Session : EC2A **Venue: MBA – MS 203** **Theme: Antenna and Communication System** **Chair Persons: 1. Dr. Mahesh Rao,** Professor & HOD, Dept. of ECE, MIT Mysore, **2. Dr. D Seshachalam,** Professor HOD, Dept. of ECE, BMSCE, Bangalore. **Co-ordinator: Dr. K N Muralidhara,** Professor, Dept. of ECE, PESCE, Mandya.
	Paper Presentation Session : EE2A **Venue: MBA – MS 202** **Theme: Power Systems** **Chair Persons: 1.Dr. M S RaviPrakash,** Professor, Dept. of E&E E,MCE Hassan **2.Dr. Purusotham,** Professor, Dept. of E&E E,MCE Hassan **Co-ordinator: Dr. S Parthsarathy,** Professor, Dept. of E&E E, PESCE, Mandya
6.30 PM to 08.00 PM	**Cultural Programs followed by Banquet**

Day 2: 24-08-2018 Friday	
9.30 AM 11.00 AM	**Key-note Speaker III** : **Dr. Bappatitya Mandal,** Dept. of Computer Science, School of Computing and Mathematics, Faculty of Natural Sciences, Keele University, Keele, United Kingdom **TOPIC: DEEP CONVOLUTIONAL NEURAL NETWORK FOR VIDEO ANALYTICS** **Venue**: Placement Auditorium
11.00 AM to 11.30 PM	**----------Tea Break ------------**
11.30 AM to 1.00 PM	**Paper Presentation Session :CS3A** **Venue :MBA Smart Class room-1** **Theme: Computer Networks** **Chair Persons: 1. Dr. Ravikumar,** Professor, VVCE, Mysore **2.Dr.Vijayakumar B.P,** Prof and Head, Dept. of IS&E, MSRIT, Banglore

	Co-ordinator: Dr. Nagarathna, Professor, Dept. of CS&E, PESCE, Mandya. **Dr. Vinay S,** Professor, Dept. of CS&E, PESCE, Mandya.
	Paper Presentation Session : CS3B　　　　　**Venue: MBA Smart Class room-2** **Theme: Internet of Things** **Chair Persons: 1. Dr. Indramma,** Professor, Dept. CS& E, BMSCE, Bangalore. 　　　　**2. Dr. M. Dhakshayini,** Professor, Dept. IS& E, BMSCE, Bangalore. **Co-ordinator: Dr. Mahesh K Kaluti,** Assoc**.** Professor, Dept. of CS&E, PESCE, Mandya**.**
	Paper Presentation Session : CS3C　　　　　**Venue: MBA – MS 201** **Theme: Emerging Areas** **Chair Persons: 1. Dr. Chetana Hegde,** Assoc. Professor, Dept. of MCA, RNSIT, Banglore. 　　　　**2. Dr. Minavathi,** Prof & Head, Dept. of IS&E, PESCE, Mandya **Co-ordinator: Dr. Umesh D R,** Assoc. Professor, Dept. of CS&E, PESCE, Mandya.
	Paper Presentation Session : EC3A　　　　　**Venue: MBA – MS 203** **Theme: Image and Video Processing** **Chair Persons: 1. Dr. V Udayashankara,** Professor & HOD, Dept. of E&C, SJCE,Mysore 　　　　**2. Dr. S Ravishnakar,** Professor, Dept. of ECE, RVCE, Bangalore. **Co-ordinator: Dr. H S Sheshadri,** Professor, Dept. of ECE, PESCE, Mandya.
	Paper Presentation Session : EC3B　　　　　**Venue: MBA – MS 204** **Theme: Wireless Communication System** **Chair Persons: 1. Dr. U B Mahadevaswamy,** Professor, Dept. of ECE, SJCE, Mysore. 　　　　**2. Dr. K R Sudhindra,** Professor, Dept. of ECE, BMSCE, Bangalore. **Co-ordinator: Dr. Mahesh**, Assistant Professor, Dept. of ECE, PESCE, Mandya.
	Paper Presentation Session : EE3A　　　　　**Venue: MBA – MS 202** **Theme: Drives & Control** **Chair Persons: 1.Dr. Y R Manjunath,** Professor, Dept. of E&EE, UVCE, Bangalore. 　　　　**2. Dr. Prasanna,,** Professor, Dept. of E&EE, UVCE, Bangalore. **Co-ordinator: Dr. P S Puttaswamy,** Professor, Dept. of E&E E, PESCE, Mandya.
1.00 PM to 2.00 PM	**----------Lunch Break-------------**
2.00 PM to 3.30 PM	**Paper Presentation Session : CS4A**　　　　　**Venue: MBA Smart Class room-1** **Theme: Data Mining & Machine Learning** **Chair Persons: 1. Dr S K Padma,** Professor, Dept. of CS&E, SJCE, Mysore 　　　　**2. Dr.M.V. Sudhamani,** Prof & Head, Dept. of IS&E, RNSIT, Bangalore **Co-ordinator: Dr. M L Anitha,** Professor, Dept. of CS&E, PESCE, Mandya.
	Paper Presentation Session : CS4B　　　　　**Venue: MBA Smart Class room-2** **Theme: Image Processing** **Chair Persons: 1. Dr. Dinesh M S**, Principal Scientist, Philips India Research, Bangalore. 　　　　**2. Dr. B G Prasad,** Professor, Dept. C S&E, BMSCE, Bangalore. **Co-ordinator: Dr. R. Girisha,** Professor, Dept. of CS&E, PESCE, Mandya**.**
	Paper Presentation Session : CS4C　　　　　**Venue: MBA – MS 201** **Theme: Image Processing and Emerging Technologies** **Chair Persons: 1. Dr.M.C. Padma,** Prof & Head, Dept. of CS&E, PESCE, Mandya. 　　　　**2. Dr. K.A. Radhakrishna Rao** , Prof & Head, Dept. of E&C, PESCE, Mandya **Co-ordinator: Dr. Vinay S,** Professor, Dept. of CS&E, PESCE, Mandya.
	Paper Presentation Session : EC4A　　　　　**Venue: MBA – MS 203** **Theme: Signal Processing and Communication System** **Chair Persons: 1. Dr. K B Shivakumar,** Professor, Dept. of TCE, SSIT, Tumkur. 　　　　**2. Dr. H V Kumaraswamy,** Professor, Dept. of ECE, RVCE, Bangalore.

	Co-ordinator: Dr. K A Radhakrishna Rao, Professor & HOD, Dept. of ECE, PESCE, Mandya.
	Paper Presentation Session : EE4A **Venue: MBA – MS 202** **Theme: Machines & Control** **Chair Persons: 1. Dr. Shobha Shankar,** Professor, Dept. of E&EE, VVCE, Mysore. **2. Dr. Surekha Manoj,** Professor, Dept. of E&EE, VVIET, Mysore. **Co-ordinator: Dr. S Gopiya Naik,** Professor, Dept. of E&E E, PESCE, Mandya.
3.30 PM to 4.30 PM	**Valedictory Program** **Venue: Placement Auditorium** **Best Papers Award Distribution & Vote of Thanks.**
4.30 PM	----------High Tea------------

PAPER PRESENTATION SESSIONS DETAILS

Session : CS1A			Venue: MBA Smart Class room-1	
Date : 23/08/2018			**Time:** 2.00 PM to 3.30 PM	
Theme: Data Mining and Machine Learning **Chair Persons: 1. Dr.Vijayalakshmi. H.C ,**Assoc. Prof & Head, Dept. of CS&E ,JSS, Science & Technology University (SJCE), Mysore **2. Dr.C. Nandini**. Professor and Head, Dept. of CS&E,DSATM,Bangalore **Co-ordinator: Dr.Umesh D.R,** Assoc. Professor, Dept. of CS&E, PESCE, Mandya.				
Sl.No	**Paper No**	**Paper Title**	**Authors**	
1	105	Automatic English to Kannada Back-Transliteration using Combination-Based Approach	Sowmya Lakshmi B S Shambhavi B R	
2	131	Design of Syntax Analyzer for Kannada Sentences using Rule Based Approach	Padma M C Prathibha R.J.	
3	54	Deep Learning based Stance Detection for Indian Social Media Text	Shalini K Anand Kumar M and Soman K P	
4	66	Class wise Clustering for Classification of Imbalanced Text Data	Swarnalatha K, D S Guru, Basavaraj S Anami and Mahamad Suhil MIT UoM	
5	120	A Deep Learning Based Stacked Generalization Method to Design Smart Healthcare Solution	Prakash Gopalakrishnan Jyothi Nambiar	
6	125	Paddy Yield Predictor using Temperature, Rainfall, Soil pH and Nitrogen	Pooja R Rao, Sanju P Gowda Prathibha R J	

Session : CS1B		Venue: MBA Smart Class room-2	
Date : 23/08/2018		**Time:** 2.00 PM to 3.30 PM	
Theme: Image Processing **Chair Persons: 1. Dr. Geetha Kiran,** Professor, Dept. of CS&E, MCE, Hassan. **2. Dr. Lalitha Rangarajan,** Professor, Dept. of CS&E, UOM**.** **Co-ordinator: Dr. M.L. Anitha,** Professor, Dept. of CS&E, PESCE, Mandya.			
Sl.No.	**Paper. No**	**Paper Title**	**Authors**
1	224	Detection of Breast Cancer Using Digital Breast Tomosynthesis	Veena.M and Dr.M.C.Padma
2	146	A Study on personalized early detection of Breast Cancer using modern technology	Bhavya G, Manjunath T N, Ravindra S Hegadi, Pushpa SK
3	194	Surface Roughness Measurement of WEDM Components using Machine Vision System	Gurupavan H R, Devegowda T M, H V Ravindra
4	137	Campus Vehicle Monitoring through Image Processing	Dr. Jagadamba G, Dr. Purohit Shrinivasacharya Chayashree G
5	211	Review on Recent methods for Segmentation of Liver using Computed Tomography and Magnetic Resonance Imaging Modalities	Geethanjali .T.M., Dr. Minavathi

| 6 | 129 | Assessment of Weld Bead Mechanical Properties during Destructive Testing Using Image Processing by Multivision Technique | Rudreshi Addamania, H V Ravindraa, Y D Chethan |

Session : CS1C	Venue: MBA – MS 201
Date : 23/08/2018	Time: 2.00 PM to 3.30 PM

Theme: Data Mining and Machine Learning
Chair Persons: 1. Dr. Shashirekha, Professor, Dept. of C S & E, Mangalore University**.**
2. Dr. Suma.H.N , Professor, Dept. of ME, BMSCE, Bangalore
 Co-ordinator: Dr. Vinay.S, Professor, Dept. of CS&E, PESCE, Mandya.

Sl.No.	Paper. No	Paper Title	Authors
1	177	Machine Learning Approaches for Potential Blood Donors Prediction	Shahikala B M ,M P Pushpalatha and B Vijaya
2	197	Machine learning approach for Preterm Birth prediction Based on Maternal Chronic Conditions	Prema N S, Pushpalatha M P
3	185	A Deep Learning Based Named Entity Recognition in Biomedical Domain	K.P. Soman Premjith B
4	217	Diabetic Retinopathy Risk Prediction for Diabetics Using A Nearest Neighbor Approach	Vanishri Arun, Prajwal V, Dr. Anitha Girish, Arunkumar B.V., Padma S K., Shyam V.
5	214	A Study on Sentiment Intensity Detection on Social Media Data	Manasa K N ,Padma M C Wasim Ali
6	49	A Sequence based Machine Comprehension Modeling using LSTM and GRU	Sujith Viswanathan, Anand Kumar and Soman K.P

Session : EC1A	Venue: MBA – MS 203
Date:23/08/2018	Time: 2.00 – 3.00PM

Theme: Image and Video Processing
Chair Persons: 1. Dr. Mahendra Prashanth, Professor, Dept. of ECE, SJBIT, Bangalore.
 2. Dr. R V Sivareddy, Professor, Dept. of ECE, Reva University, Bangalore.
Co-ordinator: Dr. Punith Kumar M B, Associate Professor, Dept. of ECE, PESCE, Mandya.

Sl.No.	Paper No.	Paper Title	Authors
1	93	A Hybrid Progressive Image Compression Transmission and Reconstruction Architecture	Ravikiran H.K Dr. Paramesha
2	126	Direct Data Evocation and Rarefaction of Raw Image	Murugesh K Mahesh P K
3	128	An Image Processing Approach for Compression of ECG Signals Based on 2D RLE and SPIHT	Dr. Punith Kumar M B Dr. Shreekanth T Prajwal M R, Shashank N S
4	32	Analysis of digit recognition in Kannada using Kaldi Toolkit	Sundar Karthikeyan K, Jeeva Priya K, Deepa Gupta
5	107	Machine Vision Assisted Performance Monitoring in Turning Inconel 718 material Using Image Processing	Y D Chethan Dr. H V Ravindra Dr. Y T Krishne gowda
6	227	Novel Color Image Data Hiding Technique Based on DCT and Compressed Sensing Algorithm.	Shyla M K Dr. K. B. Shivakumar

Session : EC1B				Venue: MBA – MS 204
Date: 23/08/2018				**Time:** 2.00 PM to 3.30 PM

Theme: Solid State Devices and VLSI
Chair Persons: 1. Dr. Gurumurthy K, Professor, Dept. of ECE, DSCE, Bangalore**.**
　　　　　　　2. Dr. H V Ravish Aradhya, Professor, Dept. of ECE, RVCE, Bangalore.
Co-ordinator: Dr. Mahesh, Assistant Professor, Dept. of ECE, PESCE, Mandya.

Sl. No.	Paper No.	Paper Title	Authors
1	98	Design and Development of Non-volatile Multi-threshold Schmitt Trigger SRAM Cell	Nikitha L, Bhargavi N.S and Kariyappa B.S
2	104	Low power Logarithmic multiplier using FinFETs	Vaishnavi Kumbargeri Anusha Mahale , Dr. H V Ravish Aradhya
3	106	Design of Ternary SRAM Cell based on Level Shift Ternary Inverter	N Shylashree, Amruta Hosur and Praveena N
4	117	Comparative Study of gm/ID Methodology for Low Power Applications	Namboodiri Akhil MM Krishnan Vasundhara Patel K S Manjunath Jadhav
5	14	Design of Low Power Square Root Carry Select Adder and Wallace Tree Multiplier using Adiabatic Logic	Dr. Premananda B. S. Ganavi M. G.

Session : EE1A				Venue:　MBA – MS 202
Date : 23/08/2018				**Time:** 2.00 PM to 3.30 PM

Theme: Power Converters & Control
Chair Persons: 1. Dr. Bansilal, Professor, Dept. of E&EE, NIE, Mysore
　　　　　　　2. Dr. K T Veeramanju, Professor**,** Dept. of E&EE,SJCE, Mysore
Co-ordinator: Dr. P S Puttaswamy, Professor & Head, Dept. of E&EE, PESCE, Mandya

Sl. No.	Paper No.	Paper Title	Authors
1	8	GSM Based Advanced Multi-Switching DTMF Controller for Remotely Monitoring of Electrical Appliances	Sumit Kumar, AmanRanjanVerma, and Dr. Nagesh
2	22	Design and Development of 15 Level Asymmetrical Cascaded Multilevel Inverter	MadhusudhanaJugalappa, Mohamed A RafiqChapparband and Dr. P S Puttaswamy
3	232	Optimal Sizing and Deploying of Distributed Generation Using a Modified Multi-Objective Particle Swarm Optimization for Network Loss Reduction and Voltage Profile Improvement	Rudrayya Math , Dr. N. Kumar
4	51	Three Phase Shunt Active Filter for Cuk-Sepic Fused converter withSolar-Wind Hybrid Sources	Harshith Gowda M R, Vinayak K U
5	25	Comparative study of 31-level Symmetrical and Asymmetrical Cascaded H-bridge Multilevel Inverter	MadhusudhanaJugalappa, Mohamed A RafiqChapparband and Dr. P S Puttaswamy

Session : CS2A			Venue: MBA Smart Class room 1
Date : 23/08/2018			**Time:** 3.45 PM to 5.15 PM

Theme: Cloud Computing and Big Data Analytics
Chair Persons: 1. Dr. Vidya Raj, Professor, CSE, NIE, Mysore.
                 2. Dr.Uma. B , Professor, MCE, Hassan
Co-ordinator: Dr. Mahesh.K.Kaluti, Assoc. Professor, Dept. of CS&E, PESCE, Mandya.

Sl.No.	Paper No	Paper Title	Authors
1	122	Hadoop as a Service in OpenStack	Shivaraj Kengond, Mohammed Moin Mulla and Narayan D.G.
2	134	An Efficient Public Auditing Method with Periodic Verification for Data Integrity in Cloud	Arjun U and Vinay S.
3	135	Web service ranking and selection based on QoS	Vaishali, Dr. Rakesh Kumar Mrs. Shano Solanki
4	155	Virtual Map-based Approach to Optimize Storage and Perform Analytical Operation on Educational Big Data	Chethan G S and Vinay S
5	171	Performance Analysis of Job Scheduling Algorithms on Hadoop Multi-Cluster Environment	Praveen M Dhulavvagol, S G Totad, Shubham Sourabh
6	94	Feedback Based Swarm Optimization for optimized Decision making in Unsecured Mobile Cloud Coordinated Service	Sanjay.H.M, Dr. C.D.GuruPrakash

Session :CS2B			Venue :MBA Smart Class room 2
Date : 23/08/2018			**Time:** 3.45 PM to 5.15 PM

Theme: Networks Security & Cryptography
Chair Persons: 1. Dr. Nagaraju, Professor, CSE, RVCE, Bangalore.
                 2. Dr. Nalini.N, Professor, Dept. of CS&E, NMIT, Bangalore.**.**
Co-ordinator: Dr. Nagarathna, Professor, Dept. of CS&E, PESCE, Mandya.

Sl.No.	Paper. No	Paper Title	Authors
1	43	WSN based Electronic Livestock of Dairy Cattle & Physical Parameters Monitoring	Kavya Priya M L Geetalaxmi Jayaram.
2	123	Load Balancing for Software-Defined Networks	Mohammed Moin Mulla, M.M. Raikar, Meghana M.K., Nagashree S Shetti, Madhu R.K,
3	151	Weighted Round Robin Load balancing Algorithm for Software Defined Network	Shashidhara B Vyakaranal and Jayalaxmi G Naragund
4	112	Implementation of Maximum Flow Algorithm in an Undirected Network.	Laveena Monis, Beenu Kunjumon and Dr Guruprasad N
5	179	Crypto-Biometric using Substitution Encryption and Discrete Cosine Transformation for Secure Data Communication	Bhagya P and Mahesh P K

6	203	A Review on Template Security	R K Bharathi and Mohana S D

Session : CS2C				Venue: MBA – MS 201
Date : 23/08/2018				**Time:** 3.45 PM to 5.15 PM
Theme: Data Mining and Machine Learning **Chair Persons: 1. Dr.Ravikumar,** SJCIT, Chikballapura**.** **2. Dr.Shobha ,** SJCIT, Chikballapura **Co-ordinator: Dr. R.Girisha,** Professor, Dept. of CS&E, PESCE, Mandya.				

Sl.No.	Paper. No	Paper Title	Authors
1	40	Anomaly-based NIDS using Artificial Neural Networks Optimised with Cuckoo Search Optimiser	Rithesh K
2	101	A Data Driven Model Approach for Day Wise Stock Prediction	Nidhin A Unnithan, Gopalakrishnan EA, Vijay Krishna Menon and Soman KP
3	149	Smart-Phone Price Prediction in Retail Industry Using Machine Learning Techniques	Chandrashekhara K T, Dr.Thungamani M, Gireesh babu C N
4	153	Assessing human stress through smart phone usage	Pratiksha Sisodia and Vijayalakshmi A
5	156	Comparison of rainfall forecasting using Artificial neural network and Chaos theory	Deepak Kumar, Vatsala K, Sushmitha Pattanashetty and Sandhya S

Paper Presentation Session : EC2A			Venue: Placement Training Room No.02
Date:23/08/2018			**Time:** 2.00 – 3.00PM
Theme: Antenna and Signal Processing **Chair Persons: 1. Dr. Mahesh Rao,** Professor & HOD, Dept. of ECE, MIT Mysore, Mandya. **2. Dr. D Seshachalam,** Professor & HOD, Dept. of ECE, BMSCE,Bangalore. **Co-ordinator: Dr. H S Sheshadri,** Professor, Dept. of ECE, PESCE, Mandya.			

Sl. No.	Paper No.	Paper Title	Authors
1	221	Synthesis, Characterization of Hybrid Nanomaterials of Strontium, Yttrium, Copper doped with Indole Schiff Base Derivatives Possessing Dielectric and Semiconductor Properties	Dr. Vinayak Adimule, Dr. Debdas Bowmik, Vinod H Naik,
2	44	Real Time Traffic Management Using RF Communication	Mahabaleshwar R Bhat,Prajwal P
3	165	Detection of Retinal Disease Screening Using Local Binary Patterns	Manojkumar S B Shama Firdose U, Dr. H S Sheshadri
4	219	Boundary Extraction and Tortuosity Calculation in Retinal Fundus Images	R Manjunatha, Mahesh Koti, Dr.H.S.Sheshadri
5	140	Classification of Service Robot Environments Using Multi-Modal Sequence Data	Saleena P Radhakrishnan Gopalapillai

Session : EC2B			Venue: MBA – MS 204
Date : 23/08/2018			**Time:** 3.45 PM to 5.15 PM

Theme: Machine Learning and Neural Networks
Chair Persons: 1. Dr. Narasimha Kaulgud, Professor, Dept. of ECE, NIE, Mysore.
2. Dr. Bindu A Thomas, Professor & HOD, Dept. of ECE, VVIET, Mysore.
Co-ordinator: Dr. Mahesh, Assistant Professor, Dept. of ECE, PESCE, Mandya.

Sl. No.	Paper No.	Paper Title	Authors
1	27	Capturing Discriminative Attributes using Convolution Neural Network over ConceptNet Numberbatch Embedding	Vivek Vinayan, Anand Kumar M and Soman Kp Amrita Vishwa Vidyapeetham
2	29	Prediction of Gold Stock Market using Neural Network: LSTM Approach	Dr. Vimuktha Evangeleen Salis, Animesh Singh and Akanksha BNMIT
3	52	Comparative performance analysis of PID and Fuzzy logic controller for 150hp three phase induction motor	H.Sathishkumar, S.S.Parthasarathy
4	175	A Hardware Accelerator based on Quantized Weights for Deep Neural Networks	Sreehari R, Deepu Vijayasenan Arulalan Rajan
5	141	Comparative Analysis of Existing Latest Microcontroller Development Board	Vidhyotma, Jaiteg Singh

Session : EE2A			Venue: MBA – MS 202
Date : 23/08/2018			**Time:** 3.45PM to 5.15 PM

Theme: Power Systems
Chair Persons: 1.Dr. M S RaviPrakash, Professor, Dept. of E&E E,MCE Hassan
2.Dr. Purusotham, Professor, Dept. of E&E E,MCE Hassan
Co-ordinator: Dr. S Parthsarathy, Professor, Dept. of E&E E, PESCE, Mandya

Sl.No.	Paper.No	Paper Title	Authors
1	55	Maximum Power Point Tracking for an Isolated Wind Energy Conversion System	Lakshmi D. and Rashmi M. R.
2	64	Improvement of Power Quality in an Electric Arc furnace using Shunt Active Filter	K.U.Vinayaka and P. S. Puttaswamy
3	154	Comparison of Maximum Power Point Tracking for Single Phase Photovoltaic Systems	Mrs.P.S.Gotekar, Dr.S.P.Muley and Dr.D.P.Kothari
4	183	Optimized control of VAR/ Voltage in the off-grid hybrid power system	HarshaAnantwar, B R Lakshmikantha, and ShanmukhaSundar
5	187	Methods to Optimize the Performance of an Existing Large Scale On-Grid Solar PV Plant	Chaithra J, Deborah G, Gayathri J, Pruthvi N, SumaUmesh

Session : CS3A			Venue: MBA Smart Class room 1	
Date : 24/08/2018			Time: 11.30 AM to 1.00 PM	

Theme: Computer Networks
Chair Persons: 1. Dr. Ravikumar, Professor, VVCE, Mysore
           2. Dr. Vijay Kumar B P, Prof & Head , Dept of ISE, MSRIT, Bangalore
Co-ordinator: Dr. Nagarathna, Professor, Dept. of CS&E, PESCE, Mandya.
       Dr.Vinay.S , Professor, Dept. of CS&E, PESCE, Mandya.

Sl.No.	Paper No	Paper Title	Authors
1	58	Integration of Wireless Sensor Network and Cloud Computing Using Trust and Reputation Technique	Buddesab, Bhavyashree S P, Thriveni J, Venugopal K R
2	97	Development of Hybrid Algorithm for Masquerading Sink Node Location in WSN	Dr. Premananda B. S. and Sindudhar L
3	139	Ekm-cl: key management in dynamic wireless sensor network: a novel framework	Gowtham M and Pratish D T
4	144	A Novel Routing Protocol for security over Wireless Adhoc Networks	Kanthimathi S and Jhansi Rani
5	196	Performance Analysis of IPv6 and NDN Internet Architecture in IoT Environment	Aadarsh Sharma Dr. C Rama Krishna

Session : CS3B			Venue: MBA Smart Class room 2	
Date : 24/08/2018			Time: 11.30 AM to 1.00 PM	

Theme: Internet of Things
Chair Persons: 1. Dr. Indramma, Professor, Dept. of CSE **,** BMSCE, Bangalore
           2. Dr.M.Dhakshayini, Professor, Dept. of ISE **,** BMSCE, Bangalore
Co-ordinator: Dr. Mahesh.K. Kaluti, Assoc**.** Professor, Dept. of CS&E, PESCE, Mandya.

Sl.No.	Paper. No	Paper Title	Authors
1	116	A review on Trust Models of Social Internet of Things	Rashmi M.R and C.Vidya Raj
2	157	Analysis of vital signals acquired from wearable device	Deepak Kumar, Adarsh A, Chandrika S, Kishor N and Mala R
3	161	Experimental Investigations on Quality of Water Used in Poultry Farm Using Sensors	Deepika, Nagarathna, G. P Shivshankar, Channegowda
4	209	A Literature Review on Energy Harvesting for Internet of Things Applications	Rakshith N, Dr. Minavathi
5	78	Theme based Partitioning approach to Decision tree: An Extended Experimental Analysis	Shankru Guggari, Vijayakumar Kadappa and Umadevi V

Session : CS3C			Venue: MBA – MS 201
Date : 24/08/2018			Time: 11.30 AM to 1.00 PM

Theme: Emerging Technologies
Chair Persons: 1. Dr. Chetana Hegde, Assoc. Prof , Dept. of MCA, RNSIT, Bangalore
  2. Dr. Minavathi, Prof & Head, Dept. of IS&E, PESCE, Mandya
Co-ordinator: Dr. Umesh. D.R, Assoc. Professor, Dept. of CS&E, PESCE, Mandya.

Sl. No.	Paper. No	Paper Title	Authors
1	127	Reshaping the Real Estate Industry using Blockchain	Krupa K S and Akhil M S
2	212	A survey: On Network Forensics Data Acquisition and Analysis Tools	Shashidhara D Dr. Minavathi
3	108	A Comparison of Warnsdorff's Rule and Backtracking for Knight's Tour on Square Boards	Pranav M, Nithin S and Guruprasad N
4	218	A Revised Auditing and Survey on Mobile Application Analytics	Shruthi.P.S and Dr. D.R. Umesh
5	180	Analysis of various CNN models for locating Keratin Pearls in Photomicrographs	Rajashekhargouda Patil and Mahesh P K
6	215	Character Recognition on Palm Leaf Manuscripts-A Survey	Prof. Sagar B and Dr. Minavathi

Session : EC3A			Venue: MBA – MS 203
Date : 24/08/2018			Time: 11.30 AM to 1.00 PM

Theme: Wireless Communication System
Chair Persons: 1. Dr. U B Mahadevaswamy, Professor, Dept. of ECE, SJCE, Mysore.
  2. Dr. K R Sudhindra, Professor, Dept. of ECE, BMSCE, Bangalore.
Co-ordinator: Dr. K N Murilidhara, Professor, Dept. of ECE, PESCE, Mandya.

Sl.No.	Paper No.	Paper Title	Authors
1	226	Study of Clustering approaches in Wireless Sensor Networks	Revanesh.M, Dr.V.Sridhar John M. Acken
2	109	Improved WEMER Protocol for Data Aggregation in Wireless Sensor Networks	Thashrifa K. K. Dr Bhagya
3	147	Dynamic Routing in Software-Defined Networks	Mohammed Moin Mulla, Ramakrishna S., Akshay Khot, Anusha Patil, Chandani D.G.
4	148	Design of an Energy Efficient Routing Protocol using Adaptive PSO Technique in Wireless Sensor Networks	Nagesh.R, Dr. Sarika Tale Dr.Shakti Mishra
5	46	SDN Security: Challenges and Solutions	Prathima Mabel J, Vani K A Rama Mohan Babu K N

Paper Presentation Session : EC3B			Venue: Placement Training Room No.02

Paper Presentation Session : EC3B   **Venue: Placement Training Room No.02**

Date: 24/08/2018   **Time: 2.00 – 3.00 PM**

Theme: Signal Processing and Communication System
Chair Persons: 1. Dr. K B Shivakumar, Professor, Dept. of TCE, SSIT, Tumkur.
                2. Dr. H V Kumaraswamy, Professor, Dept. of ECE, RVCE, Bangalore**.**
Co-ordinator: Dr. K A Radhakrishna Rao, Professor & HOD, Dept. of ECE, PESCE, Mandya.

Sl. No.	Paper No.	Paper Title	Authors
1	172	Comparative performance analysis of Hybrid PAPR Reduction Techniques in OFDM Systems	Manjula A.V. Dr. K.N.Muralidhara
2	26	Implementation of Doppler Beam Sharpening Technique for Synthetic Aperture Radars	Peter Joseph Basil Morris, Kunj Dhonde, Priya B.K
3	186	Industrial Communication	Sridevi G Anantha Saligram, Nattarasu V
4	121	Vehicle Speed Warning System And Wildlife Detection System to Avoid Wildlife-Vehicle Collisions	Dr. Bhagyashree S R MR. Sonal singh T, Mr. Kiran J Miss. Likhitha s padmini
5	1	Anomaly Detection in Surveillance Video using Pose Estimation	Bharat Manvi, Ninad M G Rakesh B G, Niranjan S A Thyagarajamurthy S

Session : EE3A			Venue: MBA – MS 202
Date : 24/08/2018			Time: 11.30 AM to 1.00 PM

Theme: Drives & Control
Chair Persons:: 1.Dr. Y R Manjunath, Professor, Dept. of E&EE, UVCE, Bangalore.
            2. Dr. Prasanna,, Professor, Dept. of E&EE, UVCE, Bangalore.
Co-ordinator: Dr. P S Puttaswamy, Professor, Dept. of E&E E, PESCE, Mandya.

Sl. No.	Paper.No	Paper Title	Authors
1	57	Phase Shift Control Scheme of Modular Multilevel DC/DC Converters for HVDC-Based Systems	Shruthi H U, Rupesh K C
2	72	Wireless Power Transfer for Led Display System Using Class-DE Inverter	A.Vamsi Krishna Rashmi M. R.
3	74	Bidirectional Power Conversion by DC-AC Converter with Active Clamp Circuits	Anusha.H, Naveen Kumar.S.B
4	75	Comparative Study Of Series, Parallel and Hybrid DC-DC Resonant Converter For Power Factor Improvement	PattarGayatriKallappa, Rajeev B R, Priya S
5	133	Performance analysis of shepwm based on ga & pso for chbmli	Vishwanath B.R Dr. P S Puttaswamy

Session : CS4A			Venue: MBA Smart Class room 1
Date : 24/08/2018			Time: 2.00 PM to 3.30 PM

Theme: Data Mining
Chair Persons: 1. Dr. S K Padma, Professor, Dept. of CSE, SJCE, Mysore
            2. Dr.M.V. Sudhamani, Prof & Head, Dept. of IS&E, RNSIT, Bangalore
Co-ordinator: Dr. M.L. Anitha, Professor, Dept. of CS&E, PESCE, Mandya.

Sl. No.	Paper. No	Paper Title	Authors
1	167	Empirical Study to Evaluate the Performance of Classification Algorithms on Public Datasets	Bramesh S M and Dr. Anil Kumar K. M
2	181	A New Approach For Book Recommendation Using Opinion Leader Mining.	Honey Pasricha and Shano Solanki
3	191	Convolutional Neural Network with SVM for Classification of Animal Images	Manohar N, Sharath Kumar Y H, Hemantha Kumar G and Radhika Rani
4	195	Performance Analysis of Students by Evaluating their Examination Answer Scripts by using Soft Computing Techniques	C.Bhanuprakash, Y.S. Nijagunarya, and M.A. Jayaram
5	204	CD2A: Concept Drift Detection Approach towards Imbalanced data stream	Mohammed Ahmed Ali Abdualrhman and M C Padma

| | 6 | 216 | Sentiment Analysis of Restaurant Reviews using Machine Learning Techniques | Akshay Krishna, Akhilesh V, Animich Aich, Chetana Hegde |

Session : CS4B				Venue: MBA Smart Class room 2
Date : 24/08/2018				**Time:** 2.00 PM to 3.30 PM

Theme: Image Processing
Chair Persons: 1. Dr. Dinesh.M.S , Principal Scientist, Philips india Research, Bangalore
**   2. Dr.B.G. Prasad,** Prof, Dept. of CS&E, BMSCE, Bangalore.
Co-ordinator: Dr.R.Girisha, Professor, Dept. of CS&E, PESCE, Mandya.

Sl. No.	Paper. No	Paper Title	Authors
1	233	An automated method using MATLAB to identify the adductor sesamoid for determining the onset of puberty and assessing the skeletal age in children	Karthik Prasad, Rahul Manjunath Ashlesh, Chandrakala Prasad, Sunjay Suri
2	143	Convolutional Neural Networks Approach for Extraction and Recognition of Digits from Bank Cheque Images	Ganga Holi, Divya Jain
3	77	Automatic pattern discovery of Neonatal Brain Tumor Segmentation and Abnormalities in MRI Sequence	S.J.Prashantha, K.M.Poornima
4	73	Limited number materials scene reconstructions	Chuanlin LIU, Amit Yadav, Asif Khan, Lu NIU, Qingsong LI, and Deyin WAN
5	07	An Approach for Estimation of Distance Information between Two Persons from Single 2D Image	Honnaraju B, Murali S

Session : CS4C				Venue: MBA MS 201
Date : 24/08/2018				**Time:** 2.00 PM to 3.30 PM

Theme: Emerging Technologies
Chair Persons: 1. Dr. V Udayashankara, Professor & HOD, Dept. of E&IE, SJCE. Mysore
**   2. Dr. Padma M. C.,** Professor and Head, CSE, PESCE, Mandya
Co-ordinator: Dr. Vinay.S , Professor, Dept. of CS&E, PESCE, Mandya.

Sl.No.	Paper. No	Paper Title	Authors
1	19	A Reliable Routing Protocol with Backup Scheme in Wired Computer Networks	Geethika Siripurapu, Sai Sree Inavalli and Bksp Kumar Raju Alluri
2	173	A movie recommender system using modified cuckoo search	Suraj Pal Singh Shano Solanki
3	110	Performance Evaluation of Fetal ECG Extraction Algorithms	Abdullah Mohammed Kaleem and Rajendra D. Kokate
4	231	Cross-spectral Periocular Recognition: A Survey	Dr. Bappaditya Mandal
5	102	Intelligent Phase Locked Loops for Automotive applications	Mukunda Byre Gowda, R.C. Biradar, Mohan Kumar Kotgire

| 6 | 115 | Analysis of Speckle Diminution in Ultrasound Images | Tilakraj N, Dr.K.M. Ravikumar |
| 7 | 202 | Optimal Resource Allocation and Binding In High Level Synthesis Using Nature Inspired Computation | Shilpa K.Ca, Dr. LakshmiNarayana.Cb |

Session : EE4A	Venue: MBA – MS 202
Date : 24/08/2018	Time: 2.00 PM to 3.30 PM

Theme: Machines & Control
Chair Persons: 1. Dr. Shobha Shankar, Professor, Dept. of E&EE, VVCE, Mysore.
　　　　　　　　 2. Dr. Surekha Manoj, Professor, Dept. of E&EE, VVIET, Mysore.
Co-ordinator: Dr. S Gopiya Naik, Professor, Dept. of E&E E, PESCE, Mandya.

Sl. No.	Paper. No	Paper Title	Authors
1	53	Study of Different Modelling Techniques of SMA Actuator and their Validation through Simulation	PrakruthiVasanth, G. M. Kamalakannan and Shivaraj C S
2	152	Induction motor internal and extrenal fault detection	Kamalpreet Singh, Ruhul Amin Choudhury, Tanya
3	160	Comparitive study of different high gain converter	Bhavya S.N, Rajesh Uppara
4	176	Evolution in Solid-State Transformer and Power Electronic Transformer for Distribution and Traction System	Shivam Sharma, Ruhul Amin Chaudhary, Kamalpreet Singh
5	213	Application of Hilbert-Huang Transform and SVM Classifier to Monitor the Power Quality Disturbances	Shilpa R, Dr P S Puttaswamy