

International Conference on Innovative Research in Engineering and Science (IRES2017)

16-17 June 2017, Asian Institute of Technology Conference Center, Thailand

Track 1: STNGCR (Special Session)

Date: 16th June 2017

Time: 11:00 AM - 12:30 PM

Venue: Conference Hall

Session Chair: DR. R KANTHAVEL

Sr. No.	Paper Id	Authors	Title
1	STNGCR 1	Swetha Sridharan, R.Dhaya, Bumija Sriraman, Anjana Premkumar	Rescuing and Rehoming pets from injuries and orphaning for Indian scenario- An android based application
2	STNGCR 10	K.Devaki, R.Akila Devi, P.Vidhupriya	Fissure Detection in Lung CT Images using Back Propagation Neural Networks
3	STNGCR 12	R Dhaya, R.Kanthavel, T. Nirmal rajhen, Sudharsun M, Sooraj Sunil	RESOURCEFUL AND PROFICIENT EXPLOITATION OF MDYMO IN MOBILE ADHOC NETWORKS
4	STNGCR 13	S. Vetha, K. Vimala Devi	Dynamic Resource Allocation in Cloud using Queuing Model
5	STNGCR 14	G.SoniyaPriyatharsini, N.Malarvizhi	Heuristic method for cloud resource consolidation using ECRC (Enhanced Cloud Resource Consolidating)
6	STNGCR 15	R.Kanthavel, J.Banumathi, V.Merin Shobi	EANKBB: NEIGHBOR DESIGNATING METHOD FOR BROADCASTING IN MOBILE ADHOC NETWORK
7	STNGCR 17	G. Mahadevan, V. Vijayalakshmi, C. Sivagnanam	EXTENDED MEDIUM DOMINATION NUMBER OF A JAHANGIR GRAPH
8	STNGCR 18	G.MAHADEVAN, A.IRAVITHUL BASIRA, C.SIVAGNANAM	Some characterization of complementary triple connected domination number of 3 – regular graphs
9	STNGCR 19	E. Loganathan, k.Dinakaran, S. Gnanendra, P. Valarmathi	Function Based Predictions Of Protein Fold Recognition Using Go-Term
10	STNGCR 2	M.Usha, P.Prittopaul, R. Vijayalakshmi, T.Shanmuga Priya	Detecting Malicious Data Injection In Event Detection Using Eada Scheme
11	STNGCR 20	Thirunavukkarasu M, Dinakaran K, SathishKumar E N, Gnanendra S	Comparison of support vector machine (SVM) and Back propagation network (BPN) methods in predicting the protein virulence factors
12	STNGCR 21	Srinivasan.R, E. Kannan	Route Max - A Unique Energy Efficient Routing Algorithm In Wireless Sensor Network
13	STNGCR 22	Swetha Sridharan, S Shreeram	Propertyedia- A Twitter data analysis and recommendation based android application for Real Estate Users
14	STNGCR 3	P.PRITTOPAUL, M. USHA, Vignesh C S, Eswaran VA	Digital signature approach for Trust based communication over Selfish node attack in VANET
15	STNGCR 4	C Ambhika, R Dhaya, R Kanthavel	Cognitive Spectrum Framework on Cooperative Environment: A Study
16	STNGCR 6	Anjana Devi J, Athithya J, A Mohamad Imran, Reshma M K	Anti -Train Collision Implementation System with Vector Points
17	STNGCR 8	G.Tamilmani, M. Kavitha, K.Rajathi	EFFICIENT IRIS RECOGNITION USING GLCM AND SVM CLASSIFIER
18	STNGCR 9	R.Dhaya, N Amirthavalli, N. Raghavi, K.ELAKKIYA, B. KAMALI	AN INTELLECTUAL TRAFFIC ORGANISM FOR VANET

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Track 2: MANAGEMENT/SPECIAL SESSIONS

Date: 16th June 2017

Time: 11:00 AM - 12:30 PM

Venue: Room No. 1

Session Chair: DR B K Roy / Dr Monalisha Roy

Sr. No.	Paper Id	Authors	Title
1	7	Djamila Zehar, Khier Benmahammed, Khalissa Behih and Aida Cherif	Terminal Synergetic Control of Crane System
2	45	Itika Majumder	Greece Debt Crisis
3	125	Sachin Lal, Naveen Kumar and Harish Tiwari	Application of Lean Management for Improving Productivity of Housekeeping Staff in Health Care Industry: A Case Study
4	129	Smitha Anu Thomas and Bindu V. R	An Overview of Software Process Improvement Initiatives Promoting to the Growth of an Organization
5	168	Divyanshu Sharma, Anchit Bhatia, Chethan S	Augmented Reality in Academia – Changing landscape of education
6	295	Dinkar Patil	“Role of Extra-curricular Activities in Higher Educational Institutes for Quality Improvement”.
7	23	Vishnu Rajendran	In-vitro Antiproliferative Effect, Cytotoxicity and Apoptosis Study of Biogenic Silver nanoparticles synthesized using Sterculia quadrifida leaf extract
8	38	S.D. Shirbahadurkar, V.M. Mane,D.V. Jadhav	An Efficient Method for Early Stage Detection of Diabetic Retinopathy
9	ASCISE 103	Rishabh Bhandari, Vikas Deep	DATA EXTRACTION IN SEMANTIC WEB: LITERATURE REVIEW
10	ASCISE 5	Saumya Gupta, Jaspreet Singh Sandhu, Naveen Garg, Vikas Deep	Aadhar Card Based Double Identity Verification System for Railway
11	ETCEB 104	Dr. Nabil Ahmad Senan & Dr. R. B. SHARMA	Factors Affecting the Independence of External Auditors: A Study of Local Audit Firms in Saudi Arabia
12	ETCEB 108	Reem Mansour ALRashdi	Object-Oriented and Relational Approaches in Database Management Systems (DBMS): Design, Implementation and Industrial Markets
13	ETCEB 110	Ikleel Osman	Blackboard Usage: An Investigative Study among CCSE Female Faculty and Students at University of Hail
14	ETCEB-101	Dr. J.VijiPria, Samina and Zahida	Design and Implementation of Multilingual File Translator
15	ETCEB105	Dr. Anjali Chaudhary Ruaa Hafiz	The Implementing and Impact of Speech Recognition Technology in Clinical Documentation
16	NIESMT 2	Mohammad Arif	Lexicon Based Sentiment Analysis on Facebook Page
17	RTMEIR 2	Sanchita Abrol , Kunal Rana, Ankit Dhir	Reduced Tail Emissions by Optimum Usage of Car Air Conditioners
18	NISMIET.1	Rupinder Kaur	A Case Study on CPE (Communication Protocol Error) Alarm in Nokia DXC
19	ASCISE 7	Kshama Chaudhary, Naveen Agarwal, Naveen Garg	IRIS Controlled Wheel Chair in Real Time
20	RISMT 1	B. Kavya Santhoshi,Dr. K. Mohana Sundaram	Hybrid Converter with Simultaneous AC and DC Output for Nano-Grid Applications with Residential System

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Track 3: SOFT COMPUTING/MACHINE LEARNING/BIG DATA/SOCIAL MEDIA

Date: 16th June 2017

Time: 1:30 PM - 3:00 PM

Venue: Conference Hall

Session Chair: Dr Atul Garg/ Dr Ashwani Dhingra

Sr. No.	Paper Id	Authors	Title
1	16	Bapuji Rao, Sarojananda Mishra and T Kartik Kumar	An Approach to Detect Patterns in a Social Attributed Graph Using Graph Mining Techniques
2	68	Prathyusha Kanakam, S Mahaboob Hussain and D Suryanarayana	HPL Algorithm for Semantic Information Retrieval with RDF and SPARQL
3	133	Rupesh Kumar Mishra, Meghana R Bharadwaj, A.K Awasthi, Rafael Berlanga Llavori and Kannan Srinathan	Automatic Rating for Services of Tourism Industry By Using Opinion Mining
4	277	Seeulee Upadhyaya, Sourav Panigrahi and Akshay Mj	Sentiment Analysis of Social Media Trend for Political Opinion
5	304	Kashaf Khan, Shailja Agarwal, Vijay Singh and Bhasker Pant	Location-based Depression Analysis among the various cities of INDIA
6	88	Arjun C V	Penetration Testing: Vulnerability Analysis in a Virtual Environment
7	98	Hyunchul Kim and Duongthanh Hung	Decision of an Optimum Cutting Condition by Neural Network
8	131	Somya Sneh, Srikar Kompella and Chethan S	A Collective Study on Popular Nature Inspired Optimization
9	132	Roshen Sarma R, Rajath R Joshi, Syed Wajahath, Prashanth R and Sharmila Chidaravalli	Implementation of Random Forest Machine Learning Algorithm
10	136	Aayushi Verma, Aishwarya Karan, Aaroh Mathur and Chethan S	Analysis of Time-Series Method for Demand Forecasting
11	154	Abhirami Kannabiran and Kavitha Devi M.K	Web user behavior modeling discovering behavior patterns and analysis on pattern accuracy
12	157	Sukriti Paul, Arpit Garg and Chethan S	Landslide prediction using classifier models
13	167	Saleh Mowla, Ishita Bedi and Nisha Shetty	Mining the Web: A Survey
14	172	Apoorva Mishra, Pranav Anand and Anupam Shukla	Convergence Analysis of the Ternary Crossover Operator
15	193	Yassmeen Alghamdi and Manal Abdullah	Enhancing Fuzzy C-Means by Grid-Density Clustering for Distributed WSN Data Stream
16	343	Mehzabeen Kaur and Surender Jangra	Performance Evaluation of Parallel Applications using SVM and PVM through Matrix Multiplications
17	351	Niharika Sing, Laxmi Ahuja, Sunil Kumar Khatri	MapReduce Based Classification of Legal Documents
18	352	Rajan Garg and Vineet Kumar	Hybridization of genetic algorithm & variable neighborhood search (VNGA) approach to crack the flexible job shop scheduling problem: A framework
19	231	Yun Han Jae and Lee Man Hee	TaintDroid's Ability Test and Remedy for Tainting SMS, Bookmark, Accelerometer, and Call Log Information

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Track 4: CLOUD/IOT/IMAGE PROCESSING

Date: 16th June 2017

Time: 1:30 PM - 3:00 PM

Venue: Room No 1

Session Chair: DR Sunita Dhingra

Sr. No.	Paper Id	Authors	Title
1	69	Abdulaziz Aldaej, D. Ravichandran, Mohammed Gulam Ahamad and M. R Ashwin Dhivakar	A Study on State of the Art in Security and Privacy Issues on Cloud Computing
2	72	Hua Yi Lin, Meng-Yen Hsieh and Kuan-Ching Li	The Analyses of Efficiency and Performance on Cloud-based Versus Traditional Infrastructure
3	100	Parthasarathi Pattnayak and Pamela Pal	Energy-Efficient Cloud Computing with Task Consolidation
4	124	Vishal Surya, Sarthak Chauhan and Krishna Prakasha K	An Implementation of Honey pots in a Cloud Environment for Analyzing Attacks on Websites
5	126	Parthasarathi Pattnayak, Jayram Pradhan and Sudhanshu Shekhar Patra	Optimizing the Network Flow in Cloud Supply Chain Management
6	152	Jaspreet Singh and Deepali Gupta	Towards Energy Saving with Smarter Multi Queue Job Scheduling Algorithm in Cloud Computing
7	177	Kaushik Sekaran, Srijan Singh, Nimmadi Bharani Prasad, Revathi Saravanan and Fabian Gallegos Gutierrez	A Novel Cloud based Industrial Internet of Things (IIoT) Architecture for Healthcare Applications
8	221	Nitin Jain, S N Panda and Sanjay Singla	UAGNI – An Intelligent Wildfire Monitoring and Assessment System
9	298	Sachin Gupta, Dr. Sanjay Singla and Dr.S.N. Panda	Security Aware Vulnerability Avoidance in Cloud Computing using Nature Inspired Approach
10	26	Himani Bhardwaj, Sunita Chaudhary, Meenu Dave, Neha Goswami and Amit Sanghi	Text And Image Hiding Within An Image Using DWT Transformation For Secured Watermarking
11	47	D. Ravichandran, Prashant Sahai Saxena, Ramesh Nimmatoori and M. R Ashwin Dhivakar	Contemplate on Identifying the best Wavelet Filter and Filter Order for Medical Image Compression
12	81	Pooja S, Hezil Dsouza and Jayashree Ballal	Implementation Of Various Edge Detection Filters Using Different Thread Distributions
13	120	Jiho Cho, Chung-Hyun Lim, Hyo-Jung Ahn and Lee Geuk	Website forgery/falsification Detection System using Link Information and Images
14	164	Le Anh Vu	Moving Object Aware Video Compression
15	170	Mrinal Mathur, Pranshu Dixit and Chethan S	The Sharp Eye: a vision for the people who lost this gift
16	255	Tharika Madurapperuma, Gothami Abayawickrama, Nesara Dissanayake, Viraj B. Wijesuriya, Lakshman Jayaratne	Highly Efficient and Robust Audio Identification and Analytics System to Secure Royalty Payments for Song Artists
17	342	Shant Kaushik and Surender Jangra	A Hybrid Medical Image Denoising Approach using Gabor, NN and MDA

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Track 5: NETWORK/SECURITY/MOBILE

Date: 16th June 2017

Time: 3:00 PM - 4:30 PM

Venue: Conference Hall

Session Chair: Dr Sanjay Singla

Sr. No.	Paper Id	Authors	Title
1	107	Neelabh Sao	A Review Paper on Mobile Technology for Activity Recognition
2	114	Jiho Cho, Chung-Hyun Lim, Hyo-Jung Ahn and Lee Geuk	Improvement of Android Banking Application Integrity using Dynamic Key Value
3	118	Abdurahem El Atman Igrair and Raghav Yadav	Efficient Authentication Scheme and Secure Communication for Mobile IP Networks under Varying Mobility Speed
4	205	Mou Dasgupta, Gosta Biswas and Sangram Ray	Performance Enhancement by Traffic Re-scheduling of Network Nodes
5	220	Prasanta Kumar Roy, Sangram Ray and Mou Dasgupta	Energy Efficient Content Dissemination Architecture for Content Centric Network
6	66	Nisha Shetty, Arjun Cv and Pooja S	An Amended RSA Algorithm for Secure Communication
7	80	Pradeep Kumar S and Ramachandaran R	Generation of random number in Time dependent color CAPTCHA for enabling Web security access
8	82	Disha Agarwal, Amodini Vardhan and Pooja S	AES Based Symmetric-Biometric Crypto System using User Password.
9	128	Shivam Bhatia and Chethan S	Bitcoin: The Future of Money
10	138	Jaspreet Kaur	A Semi Supervised Hybrid Protection for Network and Host Based Attacks
11	160	Wonseok Kim, Eunsik Bak and Euiin Choi	IoT and Wireless Terminal Security Technique
12	161	Sreenivas Reddy Chitla, Pooja S and Mayank Shukla	Symmetric Key Generation Using Integrated System of Multimodal Biometrics and User-Password
13	178	Vasudevan Badiadka and Pooja S	Secure Password Scheme Using Cryptography, Steganography and Top-K Retrieval Concept
14	242	Kamlesh Chandra Purohit, Sushil Chandra Dimri and Sanjay Jasola	Mitigation and Performance Analysis of Routing Protocols under Black-Hole Attack in VANET
15	275	Hindurao Sankpal and Anil Gaikwad	The Research Paper on "Information Audit and Information Security Measures for Higher Education in India"- A Conceptual Study.
16	325	Rabindra Dalei, Ajit Kumar Nayak, Prayumna Kumar Tripathy, Satyananda Champati Rai	Content Centric Framework for Wireless Sensor Networks
17	346	Kirti Walia, Surya Naryan Panda and Ashok Kumar	Efficient Improved Weakly Secure Network Segmentation Using DKE
18	347	Anu Ahlawat and Suresh Kumar	Analysis of different security and vulnerability in cellular networks
19	85	Jinesh Mehta, Vinayak Mathur, Dhruv Agarwal, Atish Sharma and Krishna Prakash	Pothole Detection and Analysis System (PoDAS) for Real Time Data using Sensor Networks

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Track 6: CIVIL/MECHANICAL

Date: 16th June 2017 Time: 3:00 PM - 4:30 PM

Venue: Room No 1

Session Chair: Dr Atul Garg/ Dr Ashwani Dhingra

Sr. No.	Paper Id	Authors	Title
1	48	Sourav Kumar Das	PARAMETRIC STUDY OF FLYASH BASED GEOPOLYMER CONCRETE
2	99	Robin Thakur, Sourabh Khurana, Muneesh Sethi	Small Hydropower in India and Silt Erosion in hydro turbines - A Review
3	106	Saravanan R and Salaimanimagudam M.P	ENERGY ASSESSMENT OVER A SOLAR CLADDING BY USING GEOGRAPHIC INFORMATION SYSTEM
4	121	Ranendra Nath Bhowmik, Joyanta Pal and Partha Pratim Sarkar	A study on bamboo reinforced concrete beam using numerical modeling and comparison with the experimental data
5	122	Swapnajit Pattnaik and Inavelli Chandra Mouli	A Stand Alone PV System for Water-Pumping Application
6	166	Amitabha Acharjee, Partha Pratim Sarkar and Joyanta Pal	Effect of socioeconomic and latent variables in vehicle ownership: A case study of Agartala city, India
7	273	Surendra Bajpai and V.K. Sethi	Study And Analysis of Solar Water Pumping Program For Agriculture In India
8	283	Manoj Verma, Siraj Ahmed and J.L. Bhagoria	An Analysis for Repowering Prediction of Jamgodarani Wind Farm using MATLAB
9	60	S.L. Gombi and Chandan Inamdar	Analysis of Composite Laminate under Ballistic Impact by Bullets of Different Types
10	137	Shantanu Debnath, Vikash Swami and Ram Naresh Rai	Microstructures and mechanical properties studies of the directional solidified developed ex-situ Al-4.5%Cu-SiCP metal-matrix composites.
11	264	Niranjan Hiremath and D.Mallikarjuna Reddy	Experimental Computations to Assess Surface Wear in Roller Bearing Using Integrated Approach of Vibration Analysis and Spectroscopic Techniques
12	285	Hariharan R and Raja R	Investigation on micro structural, mechanical and tribological properties of aluminium nitride (AlN) coating deposited by RF magnetron sputtering
13	171	Rajib Saha and Abhinava Pal	Appraisal of nonlinear dynamic soil-structure interaction model of pile foundation supported structure: A probabilistic approach
14	344	Kalaimani P and Mohana Sundaram K	Voltage Stability improvement of multi machine power system using TCSC with reduced congestion
15	345	Endy Marlina	Development of Land Transportation Towards Empowered Tourism Sector for Betterment of Social Welfare
16	50	Amit Sharma	Thermal Induced Vibration of Non Homogeneous Tapered Square Plate
17	51	Amit Sharma and Vijay Kumar	Vibrational Frequency of Isotropic Square Plate on C-C-S-S Condition

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Track 7: Electronics/Electrical - I

Date: 16th June 2017 Time: 4:30 PM - 5:30 PM

Venue: Conference Hall

Session Chair: Dr. K. Mohana Sundaram

Sr. No.	Paper Id	Authors	Title
1	11	Nenavath Hathiram and Dr. Ravi Kumar Jatoth	A novel object tracking method using Binary Bat Algorithm
2	27	Kavithamani Ashok and Manikandan Venugopal	Noninvasive Hemoglobin Level and Heart Rate Sensor System for Automatic Treadmill Speed Control
3	65	Kavithamani Ashok and Daarani Pappanan	Blood Glucose Level Monitoring by Noninvasive Method using Near Infra Red Sensor
4	67	Shahzeb Ansari, Ayaz Ahmed, Sarang Karim, Deepak Dodeja, Yahya Khan Brohi	PLC Based Fuzzy Controlled Ethanol-Water Separation System
5	77	Mayur Kumar Chhipa, D. Sai Priya, Massoudi Radhouene, B Suthar and K Srimannarayana	Fractal Structure Ring Resonator based Channel Drop Filter for Optical Networks using InP Dielectric Material
6	127	Anchit Bhatia, Divyanshu Sharma, Chethan S	Parallelizing Pincer Search using CUDA- A conceptual idea
7	142	Deepa R, Elango S and Shanmugam A	Implementation of Low Area FIR Filters using Vedic Multiplication Algorithms
8	155	Praveen Kant Pandey, Maneesha Pachori	Designing and Developing Energy Information System for Academic Institutes
9	156	Vaibhav Singh Rajput, Boda Bhasker, Nagu Bhookya and Ravi Kumar Jatoth	HYBRID GA-PSO BASED PITCH CONTROLLER DESIGN FOR AIRCRAFT CONTROL SYSTEM
10	314	Deepak Sharma and Suresh Kumar	Design and Evaluation Of OFDM Based Optical Communication Network
11	327	Pradyumna Kumar Tripathy, Ranjan Kumar Dash, Rabindra Kumar Dalei, Chitta R. Tripathy	A Path-Set Based Approach for Two-Terminal Reliability Computation of Interconnection Networks
12	329	V Jayaraj and S Alonshia	Quality Based Drip Drag Match Data Collection in Wireless Sensor Network
13	348	Deepak Sharma and Suresh Kumar	Future Perspectives in Elastic Optical Networks

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Track 8: Electronics/Electrical - II

Date: 16th June 2017 Time: 1:30 PM - 3:00 PM

Venue: Room No 1

Session Chair: Dr. Arun Sharma

Sr. No.	PaperId	Authors	Title
1	64	Ramu Mutyala, Ravi Srinivas and Tara Kalyani S	A new approach based on Variable Scaling Hybrid Differential Evolution for Unit Commitment Problem
2	101	Mudala Dhananjaya, Swapnajit Pattnaik	Design and Analysis of Multi-input Bidirectional Buck-Boost Converter for Hybrid Electric Vehicles
3	105	Babu M and Hariharan S	Performance Analysis of Linear Fresnel Reflector Concentrating Solar System with Horizontal and Vertical Absorber with Varying Width of Reflector
4	116	Arputha Vijaya Selvi J and Devayani S	Design and Performance Analysis of Gravity Assisted Power (GAP) Generating System for Harvesting Electrical Energy
5	119	Sujoy Chakraborty, Vidyut Dey, Subrata Kr. Ghosh and Promod Paul	Electric Discharge Coating on Aluminium-6351 Alloy with Green Compact Silicon Carbide and Copper Tool using EDM Oil as Dielectric
6	123	Modem Narayana, Soumya R. Mohanty	Power Flow Managing in a Stand-alone Hybrid Power System
7	149	Kanthimathi M, Amutha R and Anusha S	Modulation Diversity for Differential Amplitude and Phase Shift Keying technique
8	176	Atanu Chowdhury, Tushar Kanti Bera, Dibyendu Ghoshal and Badal Chakraborty	Contact Impedance Measurements using Compound Electrodes from Electrical Impedance Spectroscopy (EIS) Study During Banana Ripening
9	201	Jailsingh Bhookya and Ravi Kumar Jatoth	Performance Comparison of Optimal PID Controller Design for TITO System
10	222	Ambika Pathy, Gajendra Singh and Prabhakar Tiwari	Steps towards Grid Connected PV System to Improve the Efficiency, Controllability and Reliability
11	251	Dr. V. I. George, Manu Varghese and Dr. Ciji Pearl Kurian	Performance Analysis and Robust Control of a Ball and Beam System
12	256	Varsha Singh, Shubhrata Gupta and Swapnajit Pattnaik	A New Design of a Voltage Source MLI and Analysis of Its Applicability for Medium Power Requirements
13	276	Susan Varghese. G., Ciji Pearl Kurian and George V.I	Rapid Prototyping of Lighting Control System using Reconfigurable Device
14	278	S Sivakumar and S Sowmiya	Mitigation Of Harmonics In Multilevel Inverter Using MSPWM & SVM Techniques
15	294	Anubhuti Sharma and Anshul Singh	Design of a MOSFET Based Portable and Compatible Dimmer Adaptor for Led Bulbs