

**INDIA  
2017**

**The 4<sup>th</sup> International Conference on  
INFORMATION SYSTEM DESIGN AND  
INTELLIGENT APPLICATIONS**

Da Nang, Vietnam, 15-17 June, 2017

**DUY TAN UNIVERSITY**

No. 3 Quang Trung Str, Da Nang city



**INDIA-2017, Da-Nang Vietnam**

**Program Overview**

<b>DAY – I</b> <b>Thursday, 15 June 2017</b>	
07:30 am to 08:30 am	Registration
08:30 am to 09:30 am	Inaugural/Opening Session <i>@ 613 Hall- Quang Trung Campus</i>
09:30 am to 10:00 am	Keynote Lecture – I: Mr. Aninda Bose
10:00 am to 10:30 am	Tea/Coffee Break
10:30 am to 11:00 pm	Keynote Lecture – II: Prof. (Dr.) S.C. Satapathy
12:00 pm to 01:30 pm	Lunch Break ( Petro Hotel )
01:30 pm to 03:30 pm	*Parallel Sessions 01 to 05
03:30 pm to 04:00 pm	Tea/Coffee Break
04:00 pm to 05:30 pm	*Parallel Sessions 01 to 05 (Contd.)
05:30 pm	Moving out for Cultural Night and Gala Dinner <i>@ Palm Garden Resort- Lac Long Quan Street, Cua Dai Beach, Hoi An, Quảng Nam</i>
<b>DAY – II</b> <b>Friday, 16 June 2017</b>	
07:30 am to 08:30 am	Registration
08:30 am to 10:00 am	*Parallel Sessions 06-09
10:00 am to 10:30 am	Tea/Coffee Break
10:30 am to 11:30 am	*Parallel Sessions 06-09 ( Contd.)
12:00 am to 12:30 pm	Best Paper Awards Felicitation of Chairs Photo Session <i>@702 Hall- Quang Trung Campus</i>
01:00 pm to 02:00 pm	Lunch Break & Closing ( Petro Hotel )
<b>DAY – III</b> <b>Saturday, 17 June 2017</b>	
08:30 am	Da Nang City Tour for Delegates

**INDIA-2017, Da-Nang Vietnam**  
**List of Session Wise Papers for Oral Presentation**  
**DAY – I**  
**Thursday 15 June 2017**

**Session # 1**

**Timings : - 1:30 pm to 05:30 pm**

**Session Chairs:1. Dr. S. C. Satapathy**  
**2. Dr. Le Hoang Son**

**Room No. : 702**

<b>Paper ID</b>	<b>Paper Title</b>	<b>Authors</b>
2	Pharmacophore Modeling & Docking Studies of SNCA Receptor With Some Active Phytocompounds From Selected Ayurvedic Medicinal Plants Known For Their CNS Activity	<b>Preenon Bagchi</b> Padmashree Institute of Management and Sciences, Bengaluru, India. Anuradha M Ajit Kar
6	Socio Psycho-Economics Knowledge Based System In E-Commerce Using Soft Set Theory Technique	<b>Vijayaragavan Pichiyan</b> JNTUK, Kakinada, AP, India. Ponnusamy R, Aramudhan M
7	RSSI Based ZIGBEE Independent Monitoring System in Prison for Prisoners	<b>Vijayaragavan Pichiyan</b> JNTUK, Kakinada, AP, India. Ponnusamy R, Aramudhan M
8	Automatic target acquisition and discreet close surveillance using Quad copter with Raspberry Pi support	<b>Vijayaragavan Pichiyan</b> JNTUK, Kakinada, AP, India. Ponnusamy R, Aramudhan M, Vijila T
12	Mining Fuzzy Frequent Itemsets Using Node List	<b>Trinh Tran Thi Thuy</b> Duy Tan University, Vietnam. Giang Nguyen Long, Chau Truong Ngoc Thuan Nguyen Tan
13	A New Approach For Query Processing And Optimization In Fuzzy Object Oriented Database	<b>Thuan Nguyen Tan</b> Duy Tan University, Vietnam. Ban Doan Van, Chau Truong Ngoc Trinh Tran Thi Thuy
14	A Hybrid Threshold Group Signature Scheme with Distinguished Signing Authority	<b>Hung Dao Tuan</b> National Laboratory of Information Security, Hanoi, Vietnam. Hai Nguyen Nam Moldovyan Nikolay Andreevich Shcherbacov Alexei Victorovic Tam Nguyen Duc

21	No-key Protocol for Deniable Encryption	Hai Nguyen Nam Moldovyan Nikolay Andreevich Shcherbacov Alexei Victorovich <b>Minh Nguyen</b> Academy of Cryptography Techniques, Vietnam, Tam Nguyen Duc
49	Deniability of Symmetric Encryption Based on Computational Indistinguishability from Probabilistic Ciphering	Moldovyan Nikolay Andreevich Nashwan Ahmed Al-Majmar Tam Nguyen Duc ,Hai Nam Nguyen <b>Minh Nguyen Hieu</b> Academy of Cryptography Techniques, Vietnam.
19	Eye Blink Artefact cancellation in EEG signal using sign based Nonlinear Adaptive Filtering Techniques	<b>Sruthi Sudha Nallamothu</b> JNTUK, Kakinada, AP, India. Rama Kotireddy Dodda, Kanthi Sudha Dasara

## Session # 2

**Timings : - 1:30 pm to 05:30 pm**

**Session Chairs:** 1. Dr. Vikrant Bhateja  
2. Dr. Dac Nhung Le

**Room No. : 706**

Paper ID	Paper Title	Authors
25	JCIA: A Tool for Change Impact Analysis of Java EE Applications	<b>Le Cuong</b> Academy of Cryptography Techniques, Vietnam. Nguyen Van-Son Duc Anh Nguyen Pham Ngoc Hung Hieu Vo
26	On the Robustness of Cry Detection Methods in Real Neonatal Intensive Care Units	<b>Mạnh Chính Đăng</b> Vietnam Academy of Science and Technology, Vietnam. Antoni Martínez-Ballesté Ngọc Minh Phạm Thành Trung Đăng
29	Energy Efficient Resource Allocation for Virtual Service in Cloud Computing Environment	<b>Nguyen Minh Nhat Pham</b> Vietnam-Korea Friendship IT College, Vietnam. Ha Huy Cuong Nguyen Van Son Le
38	Novel Adaptive Neural Sliding Mode Control for Uncertain Nonlinear System with Disturbance Estimation	Thiem V. Pham <b>Du Huy Du</b> TNUT, Thai Nguyen, Vietnam.
39	A Modification of Solution Optimization in Support Vector Machine Simplification for Classification	<b>Pham Quoc Thang</b> Tay Bac University, Sonla, Vietnam. Nguyen Thanh Thuy Hoang Thi Lam

41	A Two-Stage Detection Approach for Front-View Based Car Counting in Day and Night Time	<b>Van Huy Pham</b> Ton Duc Thang University, Ho Chi Minh City, Vietnam. Duc-Hau Le
43	An Effective FP-tree-based Movie Recommender System	Quoc Tuan Sam <b>Thi Thanh Sang Nguyen</b> Vietnam National University, Hochiminh City Vietnam. Chau T.H Dao
45	Metadata based Semantic query in Relational Data-bases	<b>Ch Satyamurty</b> C V R College of Engineering, India. J V R Murthy
47	Performance Analysis of Information Transmission Systems over Indoor LED Lighting Based Visible Light Communication Channels	<b>Ha Duyen Trung</b> Hanoi University of Science and Technology, Vietnam. Do Trong Tuan
48	Collective Signature Protocols for Signing Groups	<b>N.K. Tuan</b> Duy Tan University, Vietnam V.L. Van D.N. Moldovyan H.N. Duy A.A. Moldovyan

### Session # 3

**Timings : - 1:30 pm to 05:30 pm**

**Session Chairs:** 1. Prof. Chirag Arora  
2. Dr. Phung Trung Nghia

**Room No. : 602**

Paper ID	Paper Title	Authors
51	Opinion Extraction from Quora using User–Biased Sentiment Analysis	Akshi Kumar <b>Nalin Goel</b> Delhi Technological University, New Delhi, India. <b>Karan Sanwal</b> Delhi Technological University, New Delhi, India. <b>Satyarth Praveen</b> Delhi Technological University, New Delhi, India.
54	Smart Surveillance Robot for Real Time Monitoring and Control System in Environment and Industrial Applications	Anand Nayyar Vikram Puri <b>Nhu Gia Nguyen</b> Duy Tan Univrsity, Vietnam. Dac Nhuong Le
7	Agile Team Assembling Supporting High Cooperative Performance	<b>Sylvia Encheva</b> Western Norway University of Applied Sciences, Haugesund, Norway.
58	Accelerating Establishment of a Balanced Structure in New Organizations	

59	Interpretations of Relationships among Knowledge Assessment Tests Outcomes	
60	Implementing complex radio system in short time using Cognitive radio	<b>Madhuri Gummineni</b> GITAM University, Hyderabad, India. Trinatha Rao P
61	Communication in Internet of Things	Vivek Hareshbhai Puar Chintan M. Bhatt Duong Minh Hoang <b>Dac-Nhuong Le</b> Haiphong University, Vietnam.
64	A Proposed Model to Integrate Business Intelligence system in Cloud Environment to Improve Business Function	Manas Kumar Sanyal <b>Biswajit Biswas</b> University of Kalyani, West Bengal, India Subhranshu Roy Sajal Bhadra
65	Combined Center Symmetric Local Patterns For Image Recognition	<b>Bhargav Parsi</b> Indian Institute of Technology, Dhanbad, India. Kunal Tyagi Shweta Malwe
66	A Laguerre Model based Model Predictive Control Law for Permanent Magnet Linear Synchronous Motor	Trung Ty Nguyen Manh Hung Nguyen <b>Phuong Nam Dao</b> Hanoi University Of Science And Technology, Vietnam. Hong Quang Nguyen
81	Robust adaptive backstepping in Sessioning control for Wheeled Inverted Pendulum	Thanh Binh Nguyen Tung Nguyen <b>Đào Phương Nam</b> Hanoi University of Science and Technology, Vietnam.

### Session # 4

**Timings : - 1:30 pm to 05:30 pm**

**Session Chairs:** 1. Prof. Pritee Parvekar  
2. Prof. Chakchai So-In

**Room No. : 612**

Paper ID	Paper Title	Authors
67	Hybrid model of Self-Organized Map and Integrated Fuzzy Rules with Support Vector Machine: Application to analysis Stock price	<b>Duc-Hien Nguyen</b> Hue University of Sciences, Vietnam. Van-Minh Le
68	Translate UNL expressions to Vietnamese compound sentence based on Deconverter tool	<b>Thuyen Phan Thi Le</b> The University of Danang, Vietnam. Hung Vo Trung

69	Filling Hole on The Surface of 3D Point Clouds Based on Reverse Computation of Bezier Curves	<b>Van Sinh Nguyen</b> International University of HCMC, Vietnam. <b>Khai Minh Tran</b> <b>Manh Ha Tran</b>
71	Keyword Extraction from Hindi Documents using Document Statistics and Fuzzy Modelling	<b>Sifatullah Siddiqi</b> JNU, New Delhi, India. <b>Aditi Sharan</b>
89	Improved RAKE Models to Extract Keywords from Hindi Documents	
72	Improving Data Hiding Capacity Using Bit-plane Slicing of Color Image through (7, 4) Hamming Code	<b>Ananya Banerjee</b> Vidyasagar University, Midnapore, West Bengal, India. <b>Biswapati Jana</b>
75	Optimization of Fuzzy C-Means Algorithm using Feature Selection Strategies	<b>Kanika Maheshwari</b> Samrat Ashok Technological Institute, Vidisha, India. <b>Vivek Sharma</b>
77	An Ensemble based Approach for the development of DSS	<b>Mrinal Pandey</b> Manav Rachna University, Faridabad, India.
79	Classification of Amazon Book Reviews based on Sentiment Analysis	<b>Srujan Ks</b> Sri Jayachamarajendra College of Engineering, Mysuru, Karnataka, India. <b>Nikhil S.S</b> <b>H Raghav Rao</b> <b>Karthik K</b> <b>B.S Harish</b> <b>H M Keerthi Kumar</b>
80	A Secured Framework for Encrypted Messaging Service for Smart Device (Crypto-Message)	<b>Shopan Dey</b> <b>Afaq Ahmad</b> <b>Anil Kr. Chandravanshi</b> <b>Sandip Das</b> University of Engineering and Management, Jaipur, India.

**Session Chairs: 1. Prof. Sireesha Rooda**

**Room No. : 405**

**2. Dr. Dang Viet Hung**

<b>Paper ID</b>	<b>Paper Title</b>	<b>Authors</b>
82	Bandwidth Enhancement of Microstrip Patch Antenna Array using Spiral Split Ring Resonators	<b>Chirag Arora</b> Krishna Institute of Engineering & Technology, Ghaziabad, India. Shyam S Pattnaik Rudra N Baral
83	An Ensemble Classifier Approach on Different Feature Selection Methods for Intrusion Detection	<b>Vinutha H P</b> Bapuji Institute of Engineering & Technology, Davangere, Karnataka, India. Poornima B
85	Study of Image Segmentation Techniques on Microscopic Images of Section of Rat Brain for Identification/ Quantification of Cell Body and Dendrite	Ashish Kumar <b>Pankaj Agham</b> ABV Indian Institute of Information Technology, Gwalior, India. Ravi Shanker Mahua Bhattacharya
87	Performance Evaluation of Machine Learning and Deep Learning Techniques for Sentiment Analysis	Anushka Mehta <b>Yash Parekh</b> Dwarkanadas J Sanghvi College of Engineering, Mumbai, India. Sunil Karamchandani
90	An Information Systems Design Theory for Knowledge-Based Organizational Learning Systems	<b>Vishnu Vinekar</b> Fairfield University, Fairfield, CT USA.
97	Image Saliency in Geometric Aesthetic Aspect	
117	Sparse Nonlocal Texture Mean for Allocation of Irregularity in Images of Brain	<b>Dao Nam Anh</b> Electric Power University, Hanoi, Vietnam.
98	Delay Based Reference Free Hardware Trojan Detection Using Virtual Intelligence	<b>Kamala Nandhini S</b> Amrita Vishwa Vidyapeetham, Coimbatore, India. Vallinayagam S Harshitha H Chandra Shekhar Azad V.A Mohankumar N

114	HAPMAD: Hardware Based Authentication Platform for Malicious Activity Detection in Digital Circuits	<b>Venkata Raja Ramchandar Koneru</b> Amrita Vishwa Vidyapeetham, Coimbatore, India. Bikki Krishna Teja Kallam Dinesh Babu Reddy Makam V GnanaSwaroop Bharath Ramanidharan N. Mohankumar
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**INDIA-2017, Da-Nang Vietnam**  
**List of Session Wise Registered Papers**

**DAY – II**

**Friday 16 June 2017**

**Session # 6**

**Timings : - 8:30 am to 11:30 pm**

**Session Chairs: 1. Prof. Tanupriya Roy**

**Choudhry**

**Room No. : 702**

<b>Paper ID</b>	<b>Paper Title</b>	<b>Authors</b>
99	Compact RCA Based on Multilayer Quantum-dot Cellular Automata	Nuriddin Safoev <b>Jun-Cheol Jeon</b> Kumoh National Institute of Technology, South Korea.
101	Control of the Motion Orientation and the Depth of Underwater Vehicles by Hedge Algebras	<b>Nguyen Quang Vinh</b> Academy of Military Science and Technology, Ha Noi Viet Nam.
103	The Relation of Curiosity and Creative Use of IT	Nhu Hang Ha Vo Nhan Van <b>Dac Nhung Le</b> Hai Phong University, Vietnam
104	Advanced Interference Aware Power Control (AIAPC) Scheme Design for the Interference Mitigation of Femtocell Co-Tier Downlink in LTE/LTE-A and the Future 5G Networks	<b>Kuo-Chang Ting</b> Minghsin University of Science and Technology, Hsinchu, Taiwan. Chih-Cheng Tseng Hwang-Cheng Wang Fang-Chang Kuo Bo Wei Wang
111	Occlusion Vehicle Segmentation Algorithm in Crowded Scene for Traffic Surveillance System	Hung Ngoc Phan Long Hoang Pham Duong Nguyen-Ngoc Tran <b>Synh Viet-Uyen Ha</b> Vietnam National University, Ho Chi Minh city, Vietnam



127	Vehicle Classification in Nighttime using Headlights Trajectories Matching	Tuan-Anh Vu Long Hoang Pham Tu Kha Huynh <b>Synh Viet-Uyen Ha</b> Vietnam National University, Ho Chi Minh city, Vietnam.
134	Probabilistic Model and Neural Network for Scene Classification in Traffic Surveillance System	Duong Nguyen-Ngoc Tra Long Hoang Pham Ha Manh Tran <b>Synh Viet-Uyen Ha</b> International University, Vietnam National University, Ho Chi Minh city, Vietnam.
112	Anomaly Detection in a Crowd Using a Cascade of Deep Learning Networks	Peng Qiu Sumi Kim Jeong-Hyu Lee <b>Jaeho Choi</b> Chonbuk National University, Chonju, Rep. of Korea.
120	A Customized Hardware Architecture for Multi-Layer Artificial Neural Networks on FPGA	Vu Huynh <b>Thang Huynh</b> Danang University of Science and Technology, Vietnam.
122	Reconstructing B-patches over Triangular Parametric Domain based on Inverse Subdivision Scheme	<b>Nga Le Thi Thu</b> Danang University of Science and Technology, Vietnam. Khoi Nguyen Tan Thanhthuy Nguyen

## Session # 7

**Timings : - - 8:30 am to 11:30 pm**

**Session Chairs: 1. Prof. Praveen Kumar**

**Room No. : 706**

**Vasisht  
2. Dr. Nguyen Gia Tri**

Paper ID	Paper Title	Authors
123	A rule-based method for text shortening in Vietnamese sign language translation	<b>Thi Bich Diep Nguyen</b> Thai Nguyen University of Information and Communication Technology, Vietnam. Trung-Nghia Phung, Tat-Thang Vu
129	A Scaled Conjugate Gradient Backpropagation Algorithm for Keyword Extraction	<b>Ankit Aich</b> St. Thomas College of Engineering and Technology, India Amit Dutta, Aruna Chakraborty
139	An Evaluation of Virtual Organizational Structure on Employee Performance of Selected Telecommunication Companies in Kaduna State, Nigeria	Yunusa Salisu Tanko, Sani Danjuma Fadele Ayotunde, Rajab Ritonga Abulwafa Muhammad, Tundung Subali Patma, <b>Tutut Herawan</b> Universitas Teknologi Yogyakarta, Indonesia AMCS Research Center, Indonesia.

140	An Impact of Transformational Leadership on Employees' Performance: A Case Study in Nigeria	Yusuf Musa, Sani Danjuma, Fadele Ayotunde, Rajab Ritonga, Abulwafa Muhammad, Ludfi Djajanto <b>Tutut Herawan</b> Universitas Teknologi Yogyakarta, Indonesia AMCS Research Center, Indonesia.
141	Future Private Cloud Architecture for Universities	Saqib Hakak, Gulshan Amin Gilkar Guslendra, Rajab Ritonga <b>Tutut Herawan</b> Universitas Teknologi Yogyakarta, Indonesia AMCS Research Center, Indonesia.
144	Towards a Privacy Mechanism for Preventing Malicious Collusion of Multiple Service Providers (SPs) on the Cloud	Maria M. Abur, Sani Danjuma Sahalu B. Junaidu, Syafri Arlis Rajab Ritonga, <b>Tutut Herawan</b> Universitas Teknologi Yogyakarta, Indonesia AMCS Research Center, Indonesia.
145	Model-Based Testing for Network Security Protocol for E-Banking Application	Fadele Ayotunde Alaba, Saqib Hakak Fawad Ali Khan, Hakeem Sulaimon Adewale, Sri Rahmawati, Tundung Subali Patma, Rajab Ritonga <b>Tutut Herawan</b> Universitas Teknologi Yogyakarta, Indonesia AMCS Research Center, Indonesia.
147	A Framework for Authentication of Digital Quran	Saqib Hakak, Amirrudin Kamsin Jhon Veri, Rajab Ritonga, <b>Tutut Herawan</b> Universitas Teknologi Yogyakarta, Indonesia AMCS Research Center, Indonesia.
153	Computing Domain Ontology Knowledge Representation and Reasoning on Graph Database	Phu Pham, Thuc Nguyen, <b>Phuc Do</b> University of Information Technology, HCM (UIT), Vietnam.
154	An Efficient Model for Finding and Ranking Related Questions in Community Question Answering Systems	<b>Van-Tu Nguyen</b> VNU University of Engineering and Technology, Ha Noi City, Vietnam. Anh-Cuong Le, Dinh-Hong Vu

**Session # 8**

**Timings : - - 8:30 am to 11:30 pm**

Session Chairs: 1. Prof. Amit Joshi

2. Dr. Le Hoang Son

Room No. : 602

Paper ID	Paper Title	Authors
157	Haralick Features based Classification of Mammograms using SVM	<b>Vikrant Bhateja</b> Shri Ramswaroop Memorial Group of Professional Colleges (SRMGPC), Uttar Pradesh, India. Aman Gautam, Ananya Tiwari Le Nguyen Bao, Suresh Chandra Satapathy, Gia Nhu Nguyen, Dac-Nhuong Le
AFT-01	A Genetic Algorithm Approach for Large Scale Cutting Stock Problem	<b>Nguyen Dang Tien</b> People's Police University of Technology and Logistics, Bac Ninh, Vietnam.
AFT-02	Fuzzy Linguistic Number and Fuzzy Linguistic Vector: New Concepts for Computational Intelligence	<b>Vu Thi Hue</b> National University of Civil Engineering, Hanoi, Vietnam. Hoang Thi Minh Chau, Pham Hong Phong
AFT-03	An Isolated Bipolar Single Valued Neutrosophic Graphs	<b>Said Broumi</b> Laboratory of Information Processing, Faculty of Science Ben M'Sik, University Hassan II, Casablanca, Morocco. Assia Bakali, Mohamed Talea, Florentin Smarandache
AFT-04	Enhance Link Prediction in Online Social Networks Using Similarity Metrics, Sampling and Classification	<b>Pham Minh Chuan</b> Hung Yen University of Technology and Education, Hung Yen, Vietnam. Cu Nguyen Giap, Le Hoang Son, Chintan Bhatt, Tran Dinh Khang
AFT-05	Fuzzy equivalence on standard and rough neutrosophic sets and applications to clustering analysis	<b>Nguyen Xuan Thao</b> Vietnam National University of Agriculture, Hanoi, Vietnam. Le Hoang Son, Bui Cong Cuong Mumtaz Ali, Luong Hong Lan
AFT-07	One solution for proving convergence of Picture fuzzy clustering method	<b>Pham HuyThong</b> Vietnam National University, Hanoi, Vietnam. Tong Anh Tuan, Nguyen Thi Hong Minh, Le Hoang Son
CVPR-002	eLL: Enhanced Linked List - An Approach for Handwritten Text Segmentation	M Yashoda, S K Niranjan <b>V N Manjunath Aradhya</b> Sri Jayachamarajendra College of Engineering, Mysuru, India.
CVPR-003	Intensity Normalization: A Critical Pre-processing Step for Efficient Brain Tumor Segmentation in MR Images	Poornachandra S, Naveena C <b>V N Manjunath Aradhya</b> Sri Jayachamarajendra College of Engineering, Mysuru, India.

CVPR-004	Indexing based Classification: An Approach towards Classifying Text Documents	<b>M S Maheshan</b> Sri Jayachamarajendra College of Engineering, Mysuru, Karnataka, India. B S Harish, M B Revanasiddappa
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**Session # 9**

**Timings : - - 8:30 am to 11:30 pm**

**Session Chairs: 1. Dr. Vijay Singh Rathod**

**Room No. : 405**

<b>Paper ID</b>	<b>Paper Title</b>	<b>Authors</b>
KDC-05	Network Intrusion Detection Systems using Neural Networks	<b>Sireesha Rodda</b> GITAM University, Visakhapatnam, India.
KDC-121	A Sentimental Insight into the 2016 Indian Banknote Demonetization	<b>Rajesh Dixit Missula</b> GITAM University, Visakhapatnam, India. Shyam Nandan Reddy Uppuluru Sireesha Rodda
KDC-117	Classification of Hepatitis C Virus using Case Based Reasoning(CBR) with Correlation Lift Metric	<b>Vikas B</b> GITAM University, Visakhapatnam, India. D.V.S.Yaswanth W. Vinay B.SridharReddy A.V.H. Saranyu
KDC-119	Application of the Apriori Algorithm for Prediction of Polycystic Ovarian Syndrome (PCOS)	<b>Vikas B</b> GITAM University, Visakhapatnam, India. B.S.Anuhya K Santosh Bhargav Sipra Sarangi Manaswini Chilla
KDC-120	A Novel DNA and PI based Key Generating Encryption Algorithm	<b>Vikas B</b> GITAM University, Visakhapatnam, India. Akshay K.A T.S.P Manish, U.M.V.Raghuram K. Santosh Bhargav
KDC-118	Software Effort Estimation using Grey Relational	<b>M.Padmaja</b> GITAM University, Visakhapatnam, India. D. Haritha
KDC-122	Analysis with K-Means Clustering	<b>Anusha Vangala</b> Anil Neerukonda Institute of Technology and Sciences, India. Pritee Parwekar

TP-513

Real Time Business Analytical Model using Big  
Data Strategies for Telecommunication Industry

**Maheswaran Murugesapillai**

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Malaysia.