

PRESENTATION SCHEDULE : ICACIE 2016

Regular session 1.2.1:

Advanced Image Processing – I

21 Dec 2016 @ 16:50 hrs - 19:30 hrs

Session chair: Prof. Rajib Mall and Prof. Srinivas Prasad

Article ID	Article Details
047	A Framework for Pixel Intensity Modulation Based Image Steganography Srijan Das, Saurav Sharma, SambitBakshi, and Imon Mukherjee
164	Biometric Identification (Analysis based on Fingerprints and Faces) Annapurna Mishra, NiharikaModi, and Monika Panda
210	Low-Resolution Image Recognition Using Cloud Hopfield Neural Network NehaSoni, Narotam Singh, Amita Kapoor, and Enakshi K. Sharma
230	Adaptive Multi-bit Image Steganography Using Pixel-Pair Differential Approach Uttiya Ghosh, Debanjan Burman, SmritikanaMaity, and Imon Mukherjee
232	OCR-Assessment of Proposed Methodology Implications and Invention Outcomes with Graphical Representation Algorithmic Flow Santosh Kumar Henge and B. Rama
287	Local Diagonal Laplacian Pattern: A New MR and CT Image Feature Descriptor Praveen Kumar Reddy Yelampalli and JagadishNayak
293	A Novel Approach for Multimodal Biometric System Using Iris and Palmprint Yakshita Jain and MamtaJuneja
340	GPU Based Bag of Feature for Fast Activity Detection in Video VikasTripathi, DurgaprasadGangodkarSamin Badoni, and Sagar Singh Bisht
342	A New Approach Using Discrepancy Theory for MR Image Segmentation AbirHudait, Nitish Pandey, LalitVashistha, M.N. Das, and AmitavaSen
384	Computer Aided Diagnosis of Type-2 Diabetes Mellitus Using Thermograms of Open Mouth Priyam Singh, M. Anburajan, J.S. Kumar, and Amrita Basundhara Pal

PRESENTATION SCHEDULE : ICACIE 2016

Regular session 1.2.2

Learning Algorithms, Neural Networks and Pattern Recognition – I

21 Dec 2016 @ 16:50 hrs - 19:30 hrs

Session chair: Prof. Imon Mukherjee

Article ID	Article Details
048	A Framework to Enhance the Learning Outcome with Fuzzy Logic Based Adaptive Behavioural Learning System Jagrati, Suman Deb, and Paritosh Bhattacharya
051	Experimental Comparison of Sampling Techniques for Imbalanced Data Set using various Classification Models Sanjibani Sudha Pattanayak and Minakhi Rout
075	Blended 3D Interaction Using Wii-Remote for Learning Educational Content Suman Deb, Mitali Sinha, Sonia Nandi, and Paritosh Bhattacharya
082	Augmented Use of Depth Vision for Interactive Applications Sonia Nandi, Suman Deb, and Mitali Sinha
089	An Enhanced Intrusion Detection System Based on Clustering Samarjeet Borah, RanjitPanigrahi, and Anindita Chakraborty
137	Identification of Co-Expressed microRNAs Using Rough Hypercuboid Based Interval Type-2 Fuzzy C-Means Algorithm ParthaGarai and PradiptaMaji
147	A Novel algorithm for Network Anomaly Detection Using Adaptive Machine Learning Ashok Kumar Durairaj and S.R. Venugopalan
361	Thought Co-Relation: A Quantitative Approach To Classify EEG Data for Predictive Analysis AnirvanMaiti, Hema Veeradhi, and SnehanshuSaha
377	Modified Rotation Forest Ensemble Classifier for Medical Diagnosis in Decision Support Systems Ani R., O.S Deepa, Jithu Jose, and Manu Wilson
543	Isolated Kannada Speech Recognition Using HTK - A Detailed Approach Sneha V., Hardhika G., JeevaPriya K., and Deepa Gupta

PRESENTATION SCHEDULE : ICACIE 2016

Regular session 1.2.3:

Authentication Methods, Cryptography and Security Analysis

21 Dec 2016 @ 16:50 hrs - 19:30 hrs

Session chair: Prof. Pabitra Mohan Khilar

Article ID	Article Details
054	Analytical Assessment of Security Mechanisms of Cloud Environment Bijeta Seth and SurjeetDalal
068	BRRC: A Hybrid Approach Using Block Cipher and Stream Cipher Binay Kumar, MuzzammilHussain, and Vijay Kumar
209	A Novel and Efficient Perceptual Image Encryption Based on Knight Moves and Genetic Operations Jalesh Kumar and S. Nirmala
224	A Flow Marking Based Anti-Spoofing Mechanism (FMAS) Using SDN Approach NabajyotiMedhi and Saifuddin Ahmed
372	Cheating Immune Visual Cryptographic Scheme with Reduced Pixel Expansion Praveen K. and Sethumadhavan M.
417	Securing Sensitive Data Information through Multiplicative Perturbation Approach Based on UML Modeling Anurag, Deepak Arora, and Upendra Kumar
527	Secret Communication Combining Cryptography and Steganography Ayan Chatterjee and AsitKumar Das
557	Biometric-based System for Intrusion Detection and Prevention Mechanism for Energy Efficiency in Wireless Sensor Networks GauriKalnoor and JayashreeAgarkhed
608	A Distinct Cyberattack: Phishing PrisillaJayanthi G.

PRESENTATION SCHEDULE : ICACIE 2016

Regular session 2.1.1:

Emerging Techniques in Computing

22 Dec 2016 @ 09:30 hrs - 12:10 hrs

Session chair: Prof. Binod Kumar Pattanayak

Article ID	Article Details
001	Designing and Simulation Tools of Renewable Energy Systems: Review Literature Prashant Kumar and Sanjay Deokar
013	Design of a Medical Expert System (MES) Based on Rough Set Theory for Detection of Cardio-Vascular Diseases SangeetaBhanjaChaudhuri and Mirzanur Rahman
061	Relevant Slicing of Feature-Oriented Programs MadhusmitaSahu and Durga Prasad Mohapatra
074	Efficient tuning of COCOMO Model Cost Drivers through Generalized Reduced Gradient (GRG) Nonlinear Optimization with Best-Fit Analysis SurjeetDalal, NeerajDahiya, and VivekJaglan
112	A Smarter Approach for Better Lifestyle in Indian Societies Agam Agarwal, DivyanshGoel, AnkitTyagi, Anshuli Aggarwal, and RohitRastogi
165	Characterization of Human Knowledge for Intelligent Tutoring Neelujyoti Ahuja
177	A Conceptual Software Model of E-business to Analyze the Growth Rate of A Product Sumanta Chatterjee, Sneha Roy Chowdhury, and Kaveri Roy
204	Minion: A Following Robot Using Ultrasonic Wave Intisar Reza Abir, IffatSharmimShanim, and Nova Ahmed
469	Genetic Algorithm Based Approach for RNA Secondary Structure Prediction PradnyaBorkar and Anjali Mahajan
480	E-Commerce- Consumer Perceptive Model for Online Purchases Ahmad Khalid Nazari and Archana Singh
503	Data Rateand Symbol Error Rate Analysisof Massive MIMO for 5G Applications Shipra Singh, Sindhu Hak Gupta and AsmitaRajawat
529	Prediction of compressive strength of concrete Using M5' model tree algorithm: A parametric study Sarthak Jain and S.V. Barai
590	Adsorption of CO ₂ Using Modified ZSM5 Zeolite in Petrol Engines BaskaraSethupathi, LeenusJesu Martin, and MuthuvelArumugam
601	Integration of Python Based MDSPLUS Interface for ICRH DAC Software Rameshkumar Joshi, Swanand S. Kulkarni, and S.V. Kulkarni

PRESENTATION SCHEDULE : ICACIE 2016

Regular session 2.1.2:

Optical Networks, Wireless Sensor Networks, VANETS and MANETS

22 Dec 2016 @ 09:30 hrs - 12:10 hrs

Session chair: Prof. Prasant Pattnaik

Article ID	Article Details
058	Parameter Controlled Gas Sensor System for Development of Sensor Model DipaliRamdasi and Rohini Mudhalwadkar
066	Analysis on Congestion Control Mechanism in Wireless Networks Abirami S. and KumudhanCherarajan
080	A Distributed Transmission Power Efficient Fault-Tolerant Topology Management Mechanism for Non-homogeneous Wireless Sensor Network Manas Ranjan Nayak, GyananjayaTripathy, and Amiya Kumar Rath
116	Dynamic Localization Algorithm for Wireless Sensor Networks MeghaviChoksi, Saurabh K. Pandey, Mukesh A. Zaveri, and Sanjay Garg
208	Improving Quality of Services During Device Migration in Software Defined Network Raj Kumar, MayankTiwary, Abhishek Singh, KshiraSagarSahoo, and BibhudattaSahoo
243	An Improved Mechanism to Prevent Blackhole Attack in MANET Akhilesh Singh and Muzammil Hasan
299	Efficient Placement of ONUs via Ant Colony Optimization Algorithm in Fiber Wireless (FiWi) Access Networks Uma Rathore Bhatt, Aakash Chhabra, Nitin Chouhan, and RakshaUpadhyay
315	Performance Analysis of Different PON Standards Up-To 10Gbps for Bidirectional Transmission Employing Square Root Module Anukul Sharma, Amit Kumar Garg, and Vijay Janyani
351	A Review of Recent Energy Efficient Mechanisms for Fiber Wireless (FiWi) Access Network Vijendra Mishra, RakshaUpadhyay, and Uma Rathore Bhatt
367	Impediments in the New Establishment of Grid Computing Architectures in Low and Lower Middle Income Countries Prashant Wankhede
409	Fuzzy A-Star Based Cost Effective Routing (FACER) in Wireless Sensor Network Arabinda Nanda and Amiya Rath
416	Low Delay Routing Algorithm for Fi-Wi Access Network RakshaUpadhyay, Shweta Pandey, and Uma Rathore Bhatt
512	A Novel Approach to Avoid Selfish Nodes During Allocation of Data Item in MANET SatyashreeSamal, Manas Ranjan Mishra, BibudhenduPati, Chhabi Rani Panigrahi, and Joy Lal Sarkar

PRESENTATION SCHEDULE : ICACIE 2016

Regular session 2.1.3:

Advanced Image Processing – II

22 Dec 2016 @ 09:30 hrs - 12:10 hrs

Session chair: Prof. P. Kanungo and Prof. Tripti Swarnkar

Article ID	Article Details
069	Higher-order Nonlinear Analysis with Core Tensor and Frame-wise Approach for Dynamic Texture Synthesis PremanandGhadekar and NilkanthChopade
294	Ultrasound Thyroid Image Segmentation, Feature Extraction and Classification of Disease Using Feed Forward Back Propagation Network SnehalathaUmapathy and Gomathy Vasu
304	Recent Advancements in Detection of Cancer Using Various Soft Computing techniques for MR Images Varun Srivastava and RavindraPurvar
322	Insight on Symmetrical Posture Detection of Human Using SIFT Smita and SangeetaJadhav
326	Complete Forward and Reverse Text Transcription of Odia Braille and Hindi Braille VinodJha and K. Parvathi
356	Error Detection and Correction Using Parity and Pixel Values of Image Narander Kumar and Jaishree Bansal
435	3D Surface Measurement through Easy-snap Phase Shift Fringe Projection Harshavardhan A., Vanugopal T., and Suresh Babu D.
446	Off-line Handwritten Odia Character Recognition Using DWT and PCA AbhisekSethy, Prashanta Kumar Patra, and Deepak RanjanNayak
463	Lesion Volume Estimation from TBI – MRI Sanjay SarmaOrugantiVenkata, Martha Betancur, RamanaPidaparti, and LohitashKarumbaiah
570	Text Recognition from Scene Images through Tesseract OCR Engine RanjitGhoshal, Swapan K. Parui, and Bibhas Chandra Dhara

PRESENTATION SCHEDULE : ICACIE 2016

Regular session 2.2.1:

Cloud Computing and Distributed Systems

22 Dec 2016 @ 15:30 hrs - 17:30 hrs

Session chair: Prof. Durga Prasad Mohapatra

Article ID	Article Details
182	Minimizing Cipher Text in Homomorphic Encryption Scheme for Cloud Data Manish Potey, C. A. Dhote, and Deepak Sharma
221	Performance Analysis of Cloud Resource Provisioning Algorithms ShilpaKukreja and SurjeetDalal
256	Optimized Approach to Electing Coordinator Out of Multiple Election in a Ring Algorithm of Distributed System Sunil Kumar Chowdhary, Rajneesh Tanwar, Krishna Kanth Gupta, Abhishek Srivastava, and MichailPapoutsidakis
301	Access Control Framework using Dynamic Attributes Encryption for Mobile Cloud Environment Neha Agrawal and Shashikala Tapaswi
319	Improving Energy Usage in Cloud Computing Using DVFS Sambit Kumar Mishra, Priti Paramita Parida, SampaSahoo, BibhudattaSahoo, and Sanjay Kumar Jena
376	Modeling of Task Scheduling Algorithm Using Petri-Net in Cloud Computing SuvenduChandanNayak, SasmitaParida, ChitaranjanTripathy, and Prasant Kumar Pattnaik
379	Cuckoo Search on Parallel Batch Processing Machines ArindamMajumder and Dipak Laha
410	Cloud Service Ranking Using Checkpoint Based Load Balancing in Real Time Scheduling of Cloud Computing Mohammad Riyaz Belgaum, Safeeullah Soomro, Zainab Alansari, and Muhammad Alam
504	E2G: A Game Theory Based Energy Efficient Transmission Policy in Mobile Cloud Computing Joy Lal Sarkar, Chhabi Rani Panigrahi, BibudhenduPati, Rajani Trivedi, and ShibenduDebbarma
510	Development of Educational Geospatial Database for Cloud SDI Using Open Source GIS Rabindra Barik, Rakesh Kumar Lenka, S.R. Sahoo, B.B. Das, and JashikaPattnaik
565	M2C: An Energy Efficient Mechanism for Computation in Mobile Cloud Computing Rajesh Kumar Verma, BibudhenduPati, Joy Lal Sarkar, Chhabi Rani Panigrahi, and Subhashish Das Mohapatra

PRESENTATION SCHEDULE : ICACIE 2016

Regular session 2.2.2:

Learning Algorithms, Neural Networks and Pattern Recognition - II

22 Dec 2016 @ 15:30 hrs - 17:30 hrs

Session chair: Prof. P. Kabi Satpathy

Article ID	Article Details
173	Recognition of Odia Conjunct Characters Using a Hybrid ANN-DE Classification Technique MamataNayak and Ajit Kumar Nayak
195	Email Classification Using Supervised Learning Algorithms SurajSalunkhe, RuchitModi, SaifuddinHitawala, and AkshayBhadra
247	Multilayer Perceptron Neural Network Based Immersive VR System for Cognitive Computer Gaming P.S. Jagadeesh Kumar
258	Computer Aided Therapeutic of Alzheimer's Disease Eulogizing Pattern Classification and Deep Learning Protruded on Tree-based Learning Method P.S. Jagadeesh Kumar
259	A Survey on Computer Aided Detection Techniques of Prostate Cancer Gaurav Garg and MamtaJuneja
393	Social Data Analytics by Visualized Clustering Approach for Healthcare Rajendra Prasad K., Surya Prabha I., Rajasekhar N., and Rajasekhar Reddy M.
434	Mining Efficient Rules for Scene Classification Using Human-Inspired Features PadmavatiShrivastava, K.K. Bhoyar, and A.S. Zadgaonkar
447	Patent Document Clustering Using Dimensionality Reduction Girhana K. and Swamynathan S.
494	SC2: A Selection Based Consensus Clustering Approach Arko Banerjee, BibudhenduPati, and Chhabi Rani Panigrahi
536	Stable cluster formation Using Genetic Algorithm Sunanda Das, AsitKumar Das, and Shreya Chaudhuri

PRESENTATION SCHEDULE : ICACIE 2016

Regular session 3.1.1:

Application of Informatics

23 Dec 2016 @ 10:30 hrs - 12:30 hrs

Session chair: Prof. Asit Kumar Das

Article ID	Article Details
036	Simulation Based Detection of Lyme Disease in Blood in Rhesus Macaques Using Combined Volterra RLS-MTP Approach for Proper Antibiotic Sumant Kumar Mohapatra, Sushil Kumar Mahapatra, Santosh Kumar Sahoo, Shubhashree Ray, and SmrutiRanjan Dash
039	A Study on Some Aspects of Biologically Inspired Multi-Agent Systems GautamMitra and SusmitaBandyopadhyay
161	A Qualitative Hemodynamic Analysis on Human Cerebrovascular Phantom PranatiRakshit, Nirmal Das, MitaNasipuri, and SubhadipBasu
318	A Case Study for Ranking of Relevant Search Results Santanu Ghosh and Rakesh Chandra Balabantaray
358	Constrained Team Formation Using Risk Estimation Based on Reputation and Knowledge Gaganmeet Kaur Awal and K.K. Bharadwaj
383	Compare Different Similarity Measure Formula Based Imprecise Query on Neutrosophic Data Soumitra De and Jaydev Mishra
387	Path Executions of Java Bytecode Programs SafeullahSoomro, Zainab Alansari, and Mohammad Riyaz Belgaum
425	An Approach to Track Context Switches in Sentiment Analysis Srishti Sharma and ShampaChakraverty
468	Calendric Association Rule Mining from Time-Series Database Mudra Panchal and GhanshyamPrajapati
541	Maintaining Bi-temporal Schema Versions in Temporal Data Warehouses AnjanaGosain and KritiSaroha
564	Designing Natural Language Processing Systems with QuickScriptAs a Platform Anirudh Khanna, Akshay Saini, AkshayGarg, and AkshitaBhalla
603	Implementation of Low Cost, Reliable and Advanced Control with Head Movement, Wheelchair for Physically Challenged People Kunjan D. Shinde, SayeraTarannum, Veerabhadrapa T., Gagan E. , and Vinay Kumar P.

PRESENTATION SCHEDULE : ICACIE 2016

Regular session 3.1.2:

Computational Intelligence: Algorithms, Applications and Future Directions

23 Dec 2016 @ 10:30 hrs - 12:30 hrs

Session chair: Dr. HemanthRath and Prof. Rachita Misra

Article ID	Article Details
168	Optimize Scale Independent Queries with Invariant Computation S.Anuja, M. Monisha Devi, and RadhaSenthilkumar
207	Generation of Optimized Robotic Assembly of Radial Engine RupalinBiswal and BibhutiBhusan Choudhury
267	Velocity Restriction Based Improvised Particle Swarm Optimization Algorithm Mouna H., MukhilAzhagan M.S., Radhika M.N., Mekaladevi V., and Nirmala Devi M.
291	Mullti Purpose GPS Guided Autonomous Mobile Robot Abhishek Singh, KshetrimayumThoithoiChanu, and DhrubaNingombam
401	A Modificationto Graph Based Approach for Extraction Based Automatic Text Summarization Sunchit Sehgal, Badal Kumar, Maheshwar, LakshayRampal, and Ankit Chaliya
483	Intellectual Conveyance Structure for Travellers Vishal B. Pattanashetty, Nalini C. Iyer, and H.L. Viswanath
509	A Viewpoint on Different Data Deduplication Systems and Allied Issues Shamsher Singh and Ravinder Singh
556	Improved Genetic Algorithm for Selecting Significant Genes in Cancer Diagnosis Soumen Kumar Pati, SaptarshiSengupta, and AsitKumar Das
563	Perspective ApproachTowards Business Intelligence Framework in Healthcare Kavita Mittal, Sanjay Dubey, and B.K. Sharma
617	Gene Selection and Enrichment for Microarray Data- A Comparative Network Based Approach DebasishSwapnesh Kumar Nayak, SaswatiMahapatra, and TriptiSwarnkar

PRESENTATION SCHEDULE : ICACIE 2016

Regular session 3.1.3:

Big Data and Recommendation Systems

23 Dec 2016 @ 10:30 hrs - 12:30 hrs

Session chair: Prof. Ashish Ghosh and Prof. Brojo Kishore Mishra

Article ID	Article Details
198	Role of Big Data in Make in India Sandeep Tayal, NishantNagwal, and Kapil Sharma
302	Agent Based Wormhole Attack Detection and Prevention Algorithm in the Cloud Network Using the Map Reduce Technique Priyanka Verma, ShashikalaTapaswi, and W.Wilfred Godfrey
321	TourismRecommendation Using Machine Learning Approach Anjali Dewangan and Rajdeep Chatterjee
451	A Secure Clustering Technique for Unstructured and Uncertain Big Data Md. TabrezNafis and Ranjit Biswas
497	Reducing Search Space in Big Data Mining SurabhiKumari, Sathve V.G., and Savita Shetty
593	Justification in Group Recommender Systems Venkateswara Rao Kagita, Arun K. Pujari, and VineetPadmanabhan

PRESENTATION SCHEDULE : ICACIE 2016

Regular session 3.2.1:

Communication Systems, Antenna research and Cognitive Radio

23 Dec 2016 @ 14:30 hrs - 17:00 hrs

Session chair: Prof. Dipak Kumar Rout

Article ID	Article Details
096	Equalization of Communication Channels Using GA Trained RBF Networks PradyumnaMohapatra, TumbanathSamantara, SibaPanigrahi, and SantanuNayak
111	Effect of Circular Variation in Thickness and Linear Variation in Density on Vibrational Frequencies Amit Sharma, Ashok Kumar Raghav, Vijay Kumar, and Ashish Kumar Sharma
124	Design of A Low Power ALU and Synchronous Counter Using Clock gating Technique Nehru Kandasamy, NagarjunaTelagam, and ChinthadaDevisupraja
175	N-bit Pipelined CSM Based Square Root Circuit for Binary Numbers Siba Kumar Panda, Arpita Jena, and DhruvaCharan Panda
238	Modelling of a Fibonacci Sequence 8-bit Current Steering DAC to Improve the Second Order Nonlinearities Anshuman Das Mohapatra and Manmath Narayan Sahoo
240	Design of Low Power and High Performance Network Interface for 2x2 SDM Based NoC and Implementation on Spartan 6 FPGA Y. Amar Babu, G.M.V. Prasad, and John Bedford Solomon
271	Aspects of Machine Learning in Cognitive Radio Networks Harmandeep Kaur Jhaji, Roopali Garg, and Nitin Saluja
285	FPGA Implementation of BufferlessNoC Router for SDM Based Network on Chip Amar Babu Y., G.M.V. Prasad, and John Bedford Solomon
375	A High Speed Booth Multiplier Based on Redundant Binary Algorithm Ranjan Kumar Barik, Ashish Panda, and Manoranjan Pradhan
389	Evaluation of Channel Modeling Techniques for Indoor Power Line Communication ShashidharKasthala and G.K.D. PrasannaVenkatesan
408	Power Analysis and Implementation of Low Power Design-for-Test Architecture for UltraSPARC Chip Multiprocessor John Solomon, JackulineMoni, and Y. Amar Babu
437	Power Optimization for Arithmetic Components in Assistive Digital Devices Mansijhamb and Gitanjali Singh
445	EEG ArtifactDetection Model: A Landmark Based Approach Mouneshachari S., Sanjay Pande M.B., and Raveesh B.N.
458	Design and Comparison of Electromagnetically Coupled Patch Antenna Arrays at 30GHz SujataMendgudle, JinishaBhanushali, Shreya Chakraborty, Manmohansingh Bhatia, and Sachin Umbarkar

PRESENTATION SCHEDULE : ICACIE 2016

Regular session 3.2.2:

Internet, Web Technology, IOT, Social Networks and Applications

23 Dec 2016 @ 14:30 hrs - 17:00 hrs

Session chair: Prof. Sudip Misra

Article ID	Article Details
191	Natural Language Query to Formal Syntax for Querying Semantic Web Documents D. Suryanarayana, S. MahaboobHussain, PrathyushaKanakam, and Sumit Gupta
303	Bat Inspired Sentiment Analysis of Twitter Data HimjaSethi and SanjibSahu
336	Internet of Things: A Survey on IoT Protocol Standards KarthikeyanPonnusamy and NarendranRajagopalan
360	Influence of Twitter on Prediction of Election Results Prabhsimran Singh and Ravinder Singh Sawhney
395	The Rise of Internet of Things (IoT) in Big Healthcare Data: Review and Open Research Issues Zainab Alansari, SafeeullahSoomro, Mohammad Riyaz Belgaum, and ShahaboddinShamshirband
415	Implementation of SSVEP Technology to Develop Assistive Devices Manjot Kaur and Birinder Singh
528	E-Governance an Easeor Difficultto Chasein Lucknow, Uttar Pradesh Guncha Hashmi, Pooja Khanna, and Puneet Sharma
532	Domain Based Search Engine Evaluation NidhiBajpai and Deepak Arora
396	Energy Saving Task Consolidation Technique in Cloud Centers with Resource Utilization Threshold Mahendra Kumar Gourisaria, SudhansuShekhar Patra, and Pabitra Mohan Khilar