

**6th International Conference on
Advanced Computing and Intelligent Engineering
(ICACIE 2021)
23 – 24 December 2021**

**BHUBANESWAR INSTITUTE OF TECHNOLOGY
Infovalley, Harapur, Bhubaneswar, India**

PRESENTATION SCHEDULE

SESSION-1
<p>Session Chair: Dr. Debabrata Singh Moderator : Mrs. Sarmistha Nanda</p>
<p>Date: 23.12.2021 Time: 11:00 – 13:00</p> <p>Google Meet Link: meet.google.com/yet-fper-rbq</p>
<p>ANFIS coupled Genetic Algorithm Modeling for MIMO Optimization of Flat Plate Heat Sink <i>S. Prasanna Devi*, S. Manivannan, J. Arunnehru</i></p>
<p>Solving Fuzzy Quadratic Programming Problems by Fuzzy Neural Network <i>Selvaraj. G and Jarina Banu. L</i></p>
<p>Energy Efficient Street Lighting: A GIS Approach <i>Kazi Amrin Kabir, Pragna Labani Sikdar, Parag Kumar Guha Thakurta</i></p>
<p>Maximum Loadability Analysis of Particle swarm Optimization Technique for Consideration of Stability by Continuation Power flow <i>P.K.Dhal</i></p>
<p>Improve Quality of Data Management and Maintenance in Data Warehouse Systems <i>Sakshi Hooda, Dr. Suman Mann</i></p>
<p>Discovery of Periodic Rare Correlated Patterns From Static Database <i>Jyothi Upadhya K, B Dinesh Rao, Geetha M, Harsh Kamlesh Vora</i></p>
<p>Performance and Application of Digital Forensic Tools: comparative study <i>Savali Deshmukh, Pramod Kumar Jha</i></p>
<p>Design of Automatic Headlamp Control using Light Dependent Resistor Sensors and Night Vision Camera <i>S. Madhankumar*, K. Abhinav Kumaar, S. Arunachalam, R. Bavan Kalyan, K. Hrithik, S. Rajesh, Mohan Rao Thokala</i></p>
<p>Design of LCL Filter in Front End Inverters for Grid Interfaced Electric Generation <i>Bipin Singh, Arunima Verma and V. K. Giri</i></p>

SESSION-2

Session Chair: **Dr. Suwendu Chandan Nayak**

Moderators : **Mrs. Sasmita Parida and Mrs. Madhusmita Mishra**

Date: 23.12.2021

Time: 14:00- 16:00

Google Meet Link: meet.google.com/eej-xyuy-nbf

Lightweight Model for Waifu Creation using Deep Convolutional Generative Adversarial Network (DCGAN)

Bravish Ghosh, and Manoranjan Parhi

An Efficient Service Recommendation with Spatial-Temporal Aware QoS Prediction Mechanism in Cloud Computing Environment

Aktham Youssef, Abhilash Pati and Manoranjan Parhi

PUASIoT: Password-Based User Authentication Scheme for IoT Services

Bhawna Narwal, Khushi Gandhi, Revika Anand , Riya Ghalyan

Random connected graph generation for wireless sensor networks

Soumyasree Talapatra and Avirup Das

A Novel application of HPSOGWO trained ANN in non linear channel Equalization

Pradyumna Kumar Mohapatra, Ravi Narayan Panda, Saroj Kumar Rout, Rojalin Samantaroy, Pradeep Kumar Jena

A Novel Cuckoo Search Optimized RBF trained ANN in a Non linear Channel Equalization

Pradyumna Kumar Mohapatra, Ravi Narayan Panda, Saroj Ku. Rout, Rojalin Samantaroy, and Pradeep Kumar Jena

SLUASCIoT: A Secure and Lightweight User Authentication Scheme for Cloud-IoT Services

Bhawana Narwal, Vidhi Bansal, Vidisha Dahiya, Priya Aggarwal

IoT Based Smart Railway Management for Passenger Safety and Comfort

Dethe Tukaram, B Uma Maheswari*

Virtual Reality in E-commerce: A Study

Aishwarya Nair, Ivy Chakraborty, Rajesh Kumar Verma*

SESSION-3

Session Chair: **Dr. Mamata Rath**

Moderators : **Mrs. Anukampa Behera and Ms. Ankita Biswal**

Date: 23.12.2021

Time: 14:00 – 16:00

Google Meet Link: <https://meet.google.com/dbr-nzjj-dfo>

Respiratory Disease Diagnosis with Cough Sound Analysis

Monish Singam S, Pranav Rajesh Menon, Ezhilan.M, B.R Arjun, S Kalaivani

A Deep Learning based Model for Arrhythmia Detection using Feature selection and Machine Learning Methods

Santosh Kumar, Bharat Bhushan, Lekha Bhambhu, Debabrata Singh, and Dilip Kumar Choubey

Epilepsy Prediction using Time Series Classifiers

Valliyammai C, Surya Siddharthan S, Aravind Priyamvadan V, Dhilip Kumar G

YUDH: Multi Utility Tool to reassure serenity in the Covid-19 pandemic

Krishna Das K S, Ananthu Vasudevan, Arun K Nair and Siji Rani S

Easy Detect - Web Application for Symptom Identification and Doctor Recommendation

Abhinay Krishna Chitirala, Chunduri Sai Akhilesh, Garimella Venkasatyasai Phani Ramaaditya, Kollipara Bala Vineel, Krosuri Sri Chandan, Rajesh M

Role of Machine Learning Approaches in Predicting COVID-19 New active cases using Multiple Models

Ritesh Kumar Sinha, Sukant Kishoro Bisoy, Rasmi Ranjan Khansama, Saurabh Kumar

An Overview of Applications of Machine Learning During Covid 19

Harsh Panchal, Ankit K. Sharma

Design and Implementation of wearable cap for Parkinson's Population

Gokul M, Surekha S, Monisha R, Nithya A N, Anisha M

A Survey on Applications of Machine Learning Algorithms in Healthcare

Deep Rahul Shah, Samit Nikesh Shah and Dr. Seema Shah

SESSION-4

Session Chair: 1. **Dr. Sukanta K. Bisoyi**

2. **Dr. Mohit Ranjan Panda**

Moderator : **Mrs. Sarmistha Nanda and Mr. Tanmay Kumar Das**

Date: 23.12.2021

Time: 14:00-16:00

Google Meet Link: <https://meet.google.com/wmi-crre-ugv>

User-based Cloud Service Recommendation System

Suvojit Barick, Satyapragyan Das, and Manoranjan Parhi

Background Subtraction and Singular Value Decomposition based Movement

Epenthesis Detection in Isolated Gestures of Sign Language

Navneet Nayan, Debashis Ghosh, and Pyari Mohan Pradhan*

Survey On Algorithmic Trading Using Sentiment Analysis

Rupali Bagate, Aparna Joshi, Abhilash Trivedi, Anand Pandey, and

Deepshikha Tripathi

A Survey on Chatbot in Devanagari Language

Deepak Mane, Mayur Patil, Vrushali Chaudhari, Rutuja Nayakavadi, Sanjana Pandhe

Convolutional Neural Networks for Audio Classification: An Ensemble Approach

Bhavi Dave and Kriti Srivastava

Hybrid Product Recommendation System Based on Weather analysis

Sangeeth Sajan Baby, Sijiani S

Cryptocurrency Price Prediction Using Machine Learning

Harsh Parikh, Nisarg Panchal, and Ankit Sharma

A Deep Learning Framework for Real-Time Indian Sign Language Gesture

Recognition and Translation to Text and Audio

Ashwini M. Deshpande, Gayatri Inamdar, Riddhi Kankaria, and Siddhi Katage

Dense SIFT based Facial Expression Recognition using Machine Learning Techniques

S. Vijayanthi and J. Arunnehr

A Review on Optical Character Recognition of Gujarati Scripts

Kanal Soni

An Ensemble Sentiment Classification on Multi domain Dataset

S. Madhusudhanan, Jyothi N.M, Vishnukumar A, S.Sathya, N.Arun Vignesh*

Empirical Analysis of Preprocessing Techniques for Imbalanced Dataset using Logistic regression

M.Revathi, Dr.D.Ramyachitra

SESSION-5

Session Chair: 1. **Dr. Amrut Ranjan Jena**

2. **Dr. Debabrata Singh**

Moderators : **Mrs. Sarmistha Nanda and Mrs. Madhusmita Mishra**

Date: 24.12.2021

Time: 11:00 – 13:00

Google Meet Link: meet.google.com/yet-fper-rbq

Detection of Image forgery through Novel Hybrid Technique

Tanush Shekharappa Gouda, M Ravishankar, Dinesha H A

Survey on Accent Correction And Region Prediction

Rupali Bagate, Aparna Joshi, Narendra Kumar Yadav, Aman Singh, Gaurav Singh Dhek, and Naincy Rathore

A two Stage Convolutional Neural Network for Hand Gesture Recognition

Mallika, Debashis Ghosh, and Pyari Mohan Pradhan*

K-Means Clustering in Image Compression

Kanika Khatri, Vidushi Singhal, Shefali Singhal

Application of Watershed Algorithm in Digital Image Processing

*Sumant Sekhar Mohanty, and Sushreeta Tripathy**

Facial Expression Recognition using Hyper-complex Wavelet Scattering and Machine Learning Techniques

S. Vaijayanthi and J. Arunnehr

Frequent Pattern Mining in Big data using Integrated Frequent Pattern (IFP) growth algorithm

Dinesh Komarasay, Mehul Gupta, Manojj Murugesan, J. Jenita Hermina and M. Gokuldhev

Image-Based Plant Seedling Classification using Ensemble Learning

Deepak Mane, Kunal Shah, Rishikesh Solapure, Ranjeet Bidwe, Saloni Shah

Processing Kashmiri Text from a Document Image & Associated Challenges

Nawaz Ali Lone, Kaiser J. Giri, Rumaan Bashir

In-Plane and Out-of-Plane Rotation Face Detection Model

Bibek Majumder and Sharmistha Bhattacharya (Halder)

SESSION 6: SPECIAL SESSION

Session Chairs: 1. **Prof. Binod Kumar Patnayak**

2. **Prof. Seeven Amic**

Moderator : **Prof. Sanjeev K Cowlessur**

Date: 24.12.2021

Time: 14:00-16:00

Google Meet Link: <https://meet.google.com/yjx-utkv-mgu>

Using Machine Learning Techniques for Earthquake Prediction through student learning styles

Amr Mohamed El Koshiry, Mamdouh M. Gomaa, Entesar Hamed Ibraheem Eliwa, Tarek Abd El-Hafeez

Role of Internet of Things in Global Business

Md. Shah Alam

A study on the behaviours and attitudes of students in online learning at the Open University of Mauritius

Rubeena Doomun, Darelle Van Greunen

Data Driven Decision Management from a Dashboard Perspective

Nirmal Kumar BETCHOO

‘Cultivating’ Social Skills and Competence through Digital Drama: A Case Study at Université des Mascareignes (Mauritius)

Neelam Pirbhai-Jethaand Shyama Ramsamy

Organising for Social Media Marketing: A Case of Conglomerates in Mauritius

Swaleha Peeroo

The transformation in higher education: from face-to-face to online distance learning and ultimately to blended mode: a case study at the University of Mascareignes (UdM), Mauritius.

Bushra Khoiratty

Moving on with digital innovation: The Always Connected Customer

Normada Bheekharry

Quality estimation of change-point detection by the signals ratio algorithm for random processes

Elena N. Benderskaya

Anomaly Detection of Unstructured Logs Generated from Complex Micro-service based Architecture using one-class SVM

Anukampa Behera and Sitesh Behera