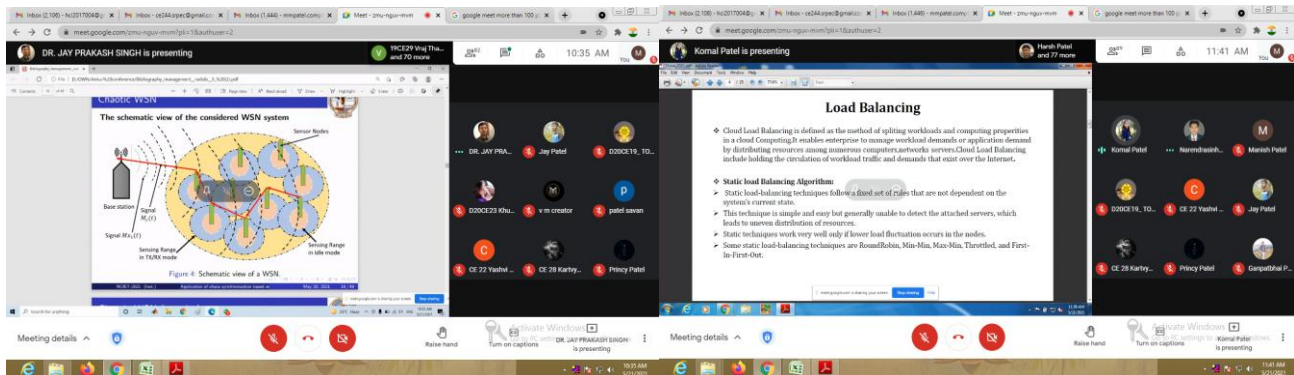


Conference Report

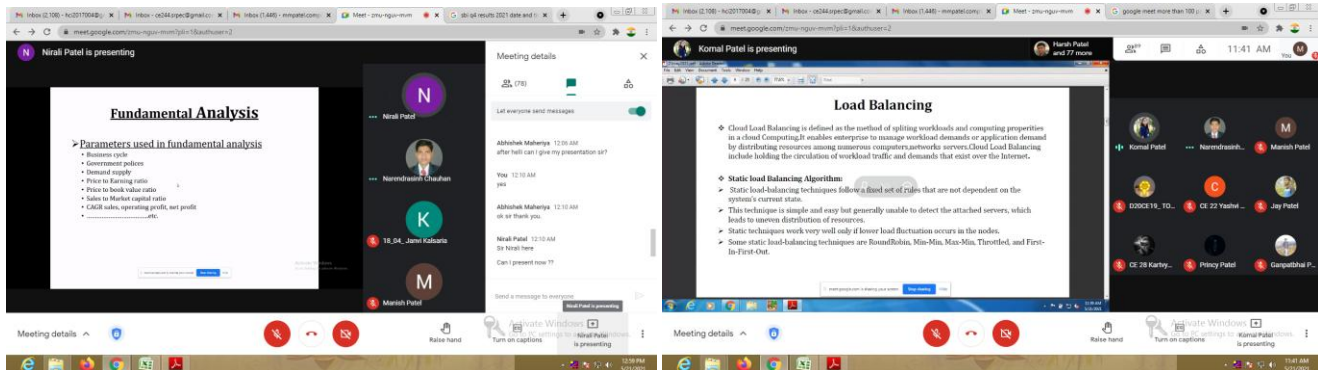
7th National Conference on Innovative & Emerging Technologies (NCIET-2021) was organized on 21st-22nd May, 2021. The primary goal of the conference was to bring together the nationwide leading researchers, engineers and academicians interested together to exchange their innovative ideas in the fields of technology for futuristic development and human welfare. It includes research work in the field of Civil Engineering (Earthquake engineering, structural engineering, water resource engineering, Transportation engineering, etc), Computer Engineering (Internet of Things, Computer Visions, etc) & Mechanical Engineering (machine design and dynamics, thermal & fluid engineering, etc).

The conference was organized in association with Gujarat Council of Science & Technology (GUJCOST), Gandhinagar, Government of Gujarat and was supported by Indian Society for Technical Education (ISTE). Mr. Rameshbhai H. Patel and Mr. Kalpesh R. Patel, the Chairman and Vice-Chairman of Smt. S. R. Patel Charitable Trust were the main patrons of the conference. The conference was successfully completed in the presence of Dr. Ami H. Shah, Principal-SRPEC cum Convener, Prof. Ankur Jain Coordinator NCIET-2021, Prof. Ankit Jain, Co-coordinator of NCIET-2021.



The conference received a tremendous response from different institutes of academia and industries. About 113 technical and research papers were received from active researchers and scholars in academia and industries. Out of them 87 were from Gujarat and 30 were from other parts of country. After properly reviewing the papers by our team of eminent reviewers, 49 papers were selected for final conference presentation. The presented topics comprised of latest and state of the art issues of engineering and technology like *Demonstration of HDM-4 in Evaluating Different Investment Alternatives for Unpaved Road, Analyzing Mixed Traffic Characteristics On Intercity Expressway – a Case Study*, etc in Transportation engineering, *Structure Health Monitoring System*

By Self-Sensing Concrete, Effect of height of pier on their seismic response, etc in Structural engineering, Effect of Influence Zone Related to Size of Drain, Automation Of Irrigation And Soil Moisture By Using Soil Moisture Sensor, etc in Water resources engineering, Analysis of Existing Water Distribution and Drainage system of Unjha City, etc in Environmental engineering, Design and Development of Multipurpose Agriculture Wheel sprayer in manufacturing, renewable energy, Credit Card Fraud Detection Using Machine Learning in Machine Learning, etc.



Papers entitled “Effect of Influence Zone Related to Size of Drain”, “Analysis of Commuters’ Mode Choice Behaviour–A Case Study of Rajkot”, “Effect of Height of Piers on The Seismic Response” have received the best paper award in Civil Engineering Track. Papers entitled “Stock Market Prediction using Fusion of CNN+LSTM”, “Breast Cancer Detection using Machine Learning Classifier” have received the best paper award in Computer Engineering Track. Paper entitled “Recovery of oil spill in sea-Oil separator” has received the best paper award in Mechanical Engineering Track.