

**National Conference on "Recent Trends in Engineering, Management, Pharmacy, Architecture and Science"  
(NCRTEMPAS- 2021) 22-23 October, 2021**

**Program Schedule (Tentative): 22-23 October, 2021**

**Venue : Noble Group of Institutions**

**Day-1 : 22/10/2021**

**Technical session 1A, Time : 2 PM - 4 PM**

**Track: Engineering , Location: C-231**

Sr.No.	Paper_ID	Paper Title, Author Name, Time
1	CV_001	Achievement Factor for Safety Program in High Rise Building Construction: A Review, Mayankkumar M. Chaudhari, J. R. Pitroda , BVM Engineering College, Vallabh Vidyanagar, Gujarat, India, (Time Slot 2:00 PM to 2:20 PM)
2	CV_002	Radio Frequency Identification in Construction: A Review, Chitrangkumar Sureshbhai Chauhan, J. R. Pitroda, BVM Engineering College, Vallabh Vidyanagar, Gujarat, India , (Time Slot 2:20 PM to 2:40 PM)
3	CV_003	Augmented and Virtual Reality System: A Review, Koshini Pratap Sutar, J. R. Pitroda, BVM Engineering College, Vallabh Vidyanagar, Gujarat, India (Time Slot 2:40 PM to 3:00 PM)
4	CV_004	Building Information Modeling: A Review, Khushi Nitinbhai Zota, J. R. Pitroda, BVM Engineering College, Vallabh Vidyanagar, Gujarat, India, (Time Slot 3:00 PM to 3:20 PM)
5	CV_005	The Just-In-Time (JIT) Materials Management System: A Review, Yogesh C. Suthar, J. R. Pitroda, BVM Engineering College, Vallabh Vidyanagar, Gujarat, India (Time Slot 3:20 PM to 3:40 PM)
6	CV_006	Translucent Concrete Using Optical Fibers: A Review, Yogesh C. Suthar, J. R. Pitroda , BVM Engineering College, Vallabh Vidyanagar, Gujarat, India (Time Slot 3:40 PM to 4:00 PM)

**Technical session 1B, Time : 2 PM - 4 PM**

**Track: Engineering , Location: C-232**

Sr.No.	Paper_ID	Paper Title, Author Name, Time
1	CV_007	Prefabrication in Construction: A Review, Jeel Yogesh Kumar Soni, J. R. Pitroda, BVM Engineering College, Vallabh Vidyanagar, Gujarat, India, (Time Slot 2:00 PM to 2:20 PM)
2	CV_008	Green Building Construction: A Review, Ravi Jagdish Depan, J. R. Pitroda, BVM Engineering College, Vallabh Vidyanagar, Gujarat, India, (Time Slot 2:20 PM to 2:40 PM)
3	CV_012	Internet of Things in Construction: A Review, Kevin Rakeshbhai Sheth, J. R. Pitroda, BVM Engineering College, Vallabh Vidyanagar, Gujarat, India, (Time Slot 2:40 PM to 3:00 PM)
4	CV_010	Vertical Forest: A Review, Dhruvkumar Chetanbhai Chavda, J. R. Pitroda, BVM Engineering College, Vallabh Vidyanagar, Gujarat, India, (Time Slot 3:00 PM to 3:20 PM)
5	ME_027	CFD Analysis of Modified Rectangular Fin Having Extensions of Two Stage Reciprocating Air Compressor, Vijaykumar F. Pipalia, Dipesh D. Shukla, Rai University Ahmedabad, Gujarat, India. (Time Slot 3:20 PM to 3:40 PM)
6	ME_013	Significance of Applying Lean Manufacturing and Six Sigma in Manufacturing Industries, Mudit M. Saxena , Department of Mechanical Engineering, IITE, Indus University, Ahmedabad, India, (Time Slot 3:40 PM to 4:00 PM)

**Technical session 2, Time : 4 PM - 6 PM**

**Track: Engineering , Location: C-231**

Sr.No.	Paper_ID	Paper Title, Author Name, Time
1	EE_029	Power System Optimal Operation Incorporating Multi Objective Approach to FACTS Device, Kishan J Bhayani, Shilpa K Kathad, Department of Electrical Engineering, VVP Engg. College, Rajkot, Gujarat, India
2	EE_030	Development of Wavlet Based Protection Scheme For Distribution Network with Distributed Generation, Keyur K. Mehta, Mayur D. Muchhadiya, Electrical Engineering Department, Government Polytechnic, Junagadh, Gujarat, India
3	CV_052	High Rise Buildings with Shear Wall Structural System: A Critical Review, Jaimin Chauhan, Payal Mehta, Bibhu Bibhuti, IITE, Indus University, Ahmedabad, Gujarat, India
4	T_001	Seismic Analysis of Cable stayed Bridge: A Review, Dharmik Sojitra, Ankit Sodha, Payal Mehta, IITE, Indus University, Ahmedabad, Gujarat, India
5	IT_061	An Analysis on Issues and Challenges of Security in a Cloud Computing, Pinalee B. Rathod, Information Technology Department, GEC, Bhavnagar, Gujarat, India
6	T_002	Multi Sensor Industrial Electrical Panel Monitoring System for Industry 4.0, Prashant Pandya, Rushil Sevak, Akaash Mechatronics, V U Nagar, Gujarat, India

**Day-2 : 23/10/2021**

**Registration and Tea : 8:00 AM-9:00AM , Reception Area, Central Building**

**Technical session 3, Time : 8 AM - 10 AM**

**Track: Engineering , Location: C-231**

Sr.No.	Paper_ID	Paper Title, Author Name, Time
1	EE_057	IoT Based 11kV Fault Detection, Sandeep Solanki, Deepak Varu, Department of Electrical Engineering Noble Group of Institutions, Junagadh, Gujarat, India
2	EE_059	Plug-In Hybrid Electric Vehicle Charging Station using Simulation of Bi-Directional Dc-Dc Non-Isolated Converters, Sureshkumar B. Tank, Bhargavkumar B. Tank, Nitin Adroja, Kaushik J. Narshana, Department of Electrical Engineering Noble Group of Institutions, Junagadh, Gujarat, India
3	Mech_67	RFID Travel Card for State Transport Corporation, Karavadra Popat B., Sidiki Samasad J., Mechanical Engineering Department, NGI Junagadh, Gujarat, India
4	MECH_078	Optimization & Parametric Investigation of CNC Turning Process of AISI 1050 Steel Shaft to Improve Surface Roughness by Taguchi Method, Kankesh Dave, Miraj Bhayani, Mechanical Engineering Department, NGI Junagadh, Gujarat, India
5	T_003	Smart City Automation in the Perspective of Industry 4.0, Abhishek Gutla, Ankur Jain, Mechanical Engineering Department, NGI Junagadh, Gujarat, India
6	T_004	Factory Automation in Manufacturing Industry in the Perspective of Industry 4.0, Rudradipgiri J. Goswami, Ankur Jain, Mechanical Engineering Department, NGI Junagadh, Gujarat, India
	MECH_080	Fatigue Life Analysis of Spur Gear of CNC Turret, Milan Rasiklal Pithva, Mechanical Engineering

**Technical session 4, Time : 10 AM - 1 PM**

**Track: Engineering , Location: C-231**

Sr.No.	Paper_ID	Paper Title, Author Name, Time
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1	EE_011	Mathematical Model for Photovoltaic Module Using MATLAB/SIMULINK, R.N. Rathod, D. C. Paliya, Power Electronics Department, L.E.College, Morbi, Gujarat, India ,(Time Slot 10:00 AM to 10:20 AM)
2	EC_015	Machine Learning Methods of Speech Recognition: A, Review, Vijayendra Desai, Amisha Shah, Vishvjit Thakar,ECC Department, CKPCET, Surat, Gujarat, India, (Time Slot 10:00 AM to 10:20 AM)
3	EC_016	A Hybrid Method for Object Detection Based On Optical Flow Metric and Block Matching, Amisha Shah, Vijayendra Desai, ECED, CKPCET, Surat, Gujarat, India
4	EC_017	A Survey on Medical MRI Image Classification of Brain Tumor Using Soft Computing Techniques, Sachin Darji, Rahul Kher, Department of E. & C. Engineering, BBIT, Vallabh Vidyanagar, India
5	EC_028	Analysis of Matched Keypoints for Image Registration Using SIFT, SURF with Different Layers of CNN, Laukikkumar K. Patel, Manish I. Patel, Department of Electronics and communication Engineering, Government Polytechnic, Palanpur-385001
6	CS_071	Designing WDM Passive Optical Network for Next Generation Networking System, Shailesh Khant, Atul Patel, Smt. Chandaben Mohanbhai Patel Institute of Computer Applications (CMPICA), Anand, Gujarat, India
7	T_005	Integrated Satellite Terrestrial Content Delivery Network, Pawan Barnwal, Jignesh Shah, Subhash Chandra Bera, Satcom & Navigation Systems Engineering Division, Satcom & Navigation Systems Integration and Checkout Group, SNPA Space Applications Centre (ISRO), Ahmedabad-380015, Gujarat, India
8	T_006	Design and Experimental Verification of Normal Terminal Sliding Mode Control for Level Tank System , Laware Ajit R., Patil Anita K. Bandal Vitthal S. and Talange Dhananjay B., Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar, India.
9	T_007	Identification of Sulfur Dioxide (SO <sub>2</sub> ) Hotspot In Gujarat using Sentinel 5P-TROPOMI Data, Tejas Turakhia, Akhil S. Nair, Anandkumar Chovatiya, Mishal Mehta, Rajesh Iyer, Tejas V. Shah, Deepali H. Shah, Deepak. H. Gadani, Mehul R. Pandya, Department of Instrumentation and Control Engineering, GTU, Ahmedabad, Gujarat, India
	T_008	Design of a Reformer for the Production of Hydrogen Based On Multi Objective Optimization, Md Zafar Ahmed, Nitin Padhiyar, Department of Chemical Engineering, Indian Institute of Technology Gandhinagar, Gandhinagar, India.

#### **Technical session 5,Time : 2 PM - 4 PM**

##### **Track: Engineering , Location:C-231**

Sr.No.	Paper_ID	Paper Title,Author Name, Time
1	T_009	Internet of Parcel Kiosk for Collecting Documents on the Railway Station, Bus Station and Airport for Tourist, Vishvjit Thakar, Noble Engineering College, NGI, Junagadh, Gujarat, India
2	T_010	A Generative Design Approach to Optimize Weight & Performance – A Case Study, Indrajitsinh J. Jadeja, Nirav P. Maniar, Gujarat Technological University, Chandkheda, Gandhinagar, Gujarat, India
3	T_011	Tracking Traffic Congestion using Object Detection and Video Analytics, Manav Patel, Computer Engg. Department, BVM Engineering College, Vallabh Vidyanagar Gujarat, India
4	T_012	AI Thinking Recognition System, Disha Tilva, Om Engineering College Junagadh, Gujarat, India

- 5      T\_013      Molecular Dynamics Simulation of Structural Properties of Pb-Li Alloys, S.G. Khambholja, A. Abhishek, B.Y. Thakore, Department of Science & Humanities, B & B Institute of Technology, Vallabh Vidyanagar, India
- T\_014      Structural Analysis and Dynamical Properties of Al 100-x Smx, Liquid Binary Alloys-A Pseudopotential Method, P H Suthar, Department of Physics, C U Shah Science College, Ashram Road, Ahmedabad, Gujarat, India
- 6      T\_015      Parametric Study of Earth Air Heat Exchanger for Storage Purpose, Niraj R. Shingala, Chetankumar M. Patel, Mechanical Engineering Department, Assistant Professor, V.V.P. Engineering College, Rajkot, Gujarat, India

**Technical session 6, Time : 4 PM - 6 PM**

**Track: Engineering , Location:C-231**

Sr.No.	Paper_ID	Paper Title, Author Name, Time
1	T_016	Fatigue Life Analysis of Spur Gear of CNC Turret, Milan Rasiklal Pithva, Mechanical Engineering Department, NGI Junagadh, Gujarat, India
2	T_017	Wood Sliding Saw, Gangajaliya Rutvik VijayBhai, Mechanical Engineering Department, NGI Junagadh, Gujarat, India
3	T_018	Gearless Angular Transmission System, Sutariya Happy Kantibhai, Mechanical Engineering Department, NGI Junagadh, Gujarat, India
4	T_019	Library Automation in Cloud Computing, Rahul D Joshi, Mital Kumar P. Manavadariya, Noble Engineering College, NGI, Junagadh, Gujarat, India
5	T_020	A Study on Ambient Air Quality around Educational Campuses in Vallabh Vidyanagar Gujarat, Waseem Raja, Noble Engineering College, NGI, Junagadh, Gujarat, India
6	T_021	Human Powered Car, Vahab Shekh, Noble Engineering College, NGI, Junagadh, Gujarat, India

**valedictory ceremony Time: 4 PM -6PM(Auditorium)**