



JSPM Narhe Technical Campus, Narhe, Pune

S No 12-1-2 and 12-2-2 Narhe, Taluka- Haveli, Near Sanas Crane, Pune-Bangalore Highway, Pune, Maharashtra 411041

Landmark: Navale Bridge, Behind Swami-narayan Temple Narhe

Approved By AICTE & Affiliated To Savitribai Phule Pune University. Institute Code : 6755

ACCREDITED BY NAAC



International Conference on Joint Innovations in Sustainable Engineering, Project Management and New Transformations in Computing and Communication

IC-JSPMNTC 2024

27-28, June, 2024

PRESENTATION SCHEDULE (DAY 1), THURSDAY

DAY – 1 (27th June, 2024, 10:00 AM – 10:45 AM IST (Indian Standard Time))

INAUGURAL CEREMONY

Invited Chief Guest	Activity	ZOOM Link
<p>Chief Guest: Zisis Rousopoulos (Germany) Managing Director, DMI DRAEXLMAIER</p> <p>Guest of Honor: Dr.Indu R.Keoti (Pillai) General Manager, QiO Technologies India Pvt. Ltd</p>	Inaugural Ceremony of IC-JSPMNTC 2024	<p>https://us05web.zoom.us/j/89615633225?pwd=kxxnA8d7sHGY79b7RMKtaXyZ9sKnHB.1</p> <p>Meeting ID: 896 1563 3225 Passcode: 123456</p>

DAY – 1 (27th June 2024, 10:45 AM – 11:30 AM IST (Indian Standard Time))

KEYNOTE SESSION

Keynote Speaker	Title	ZOOM Link
<p>Prof. (Dr.) Makarand Ghangrekar Director National Institute of Technology Puducherry, Karaikal</p>	Biological and Bioelectrochemical wastewater treatment processes for imparting sustainability to wastewater management	<p>https://us05web.zoom.us/j/89615633225?pwd=kxxnA8d7sHGY79b7RMKtaXyZ9sKnHB.1</p> <p>Meeting ID: 896 1563 3225 Passcode: 123456</p>

DAY – 1 (27th June 2024, 11:45 AM – 02:00 PM IST (Indian Standard Time))

SESSION 1 - MATERIAL SCIENCE AND MECHANICAL ENGINEERING

Session Chair – Prof. Dr.Jashanpreet Singh Affiliation-Mechanical Engg.Department. Chandigarh University,Punjab		Session Co-ordinator – Dr. Nand Jee Kanu, nandssm@gmail.com		
Sr. No.	Paper Id	Authors	Title	ZOOM Link
1	MECH003	Ramesh Gawande, Dr. Suhas Sarje, Dr. Sonal Shamkuwar	Performance Comparison of Noise and Vibration Characteristics of Constant RPM CI Engine Fueled with Biodiesel Blends	https://us05web.zoom.us/j/89615633225?pwd=kxxnA8d7sHGY79b7RMKtaXyZ9sKnHB.1 Meeting ID: 896 1563 3225 Passcode: 123456
2	MECH007	Aaruci Agarwalla, Dr. Waleed Ahmed, Dr. Ali. H Marzouqi	Antimicrobial Material for 3D printing	
3	MECH009	Mr. Nikhilesh S. Pawar, Dr. Dyaneshwar G. Kumbhar, Dr. Kailasnath B. Sutar	Modelling, Simulation and Prototype Testing of Optimum Blade Design for a Micro-capacity Wind Turbine Applications	
4	MECH010	Mr. Ibrahim Guindo1, Mr. Manjeet Singh2, Dr. Deepak Pandey2 , Prof. (Dr.) Prasun Chakrabarti3	Hydrological Factor and Slope Stability: An Experimental Approach	
5	MECH011	Pratibha Rasal and Yash Vikas Mahamuni	An investigation on equal possible opportunities in formal and informal educational systems for the transgender community in Pune City.	
6	MECH012	Jayant Kulkarni, Yogendrakumar Deokar, Sandeep Salunkhe	Theoretical Study on Online Renting Services in Context with Diffusion of Innovation Theory.	
7	MECH013	Jayashri N Nair, Dhana Raju, Devunuri Suresh,Puntikura Shashi Kumar, Siddhant Kulkarni,P. Uday Kumar Reddy, Goriparthi Ajay	Unravelling The Gas Adsorption Effect On Thermoelectric Properties Of AHEGN	
8	MECH014	Jayashri N Nair, Dhana Raju, Devunuri Suresh,Puntikura Shashi Kumar, Siddhant Kulkarni,P. Uday Kumar Reddy, Goriparthi Ajay	Evaluation of the Race Car Chassis's Modal, Dynamic, and Static Analyses Using Various Materials for Optimization	
9	MECH015	Prakash Kadam, Dhananjay R Dolas	The study of combustion behavior, efficiency, and emission characteristics of diesel engines operating on biodiesel containing cerium oxide nanoparticles- A Review	
10	MECH018	Anilkumar Kaldate, Ravindra Edlabadkar	Controlling Dimensional Stability of 20MnCr5 Gears after Liquid Nitriding Process	
11	MECH019	Kiran Choudhari, Sahil Bari, Soham Palshetkar, Rohi Pailkar, Aditya Birje	Design and Development of Pneumatic Sheet Metal Cutting Machine	

12	MECH020	Yash Mahamuni	Study on impact of stress on employees performance'
13	MECH030	Dr.Madhuri Chatur-Deokar	Optimization of Modified Diesel Engine Powered by Waste Cooking Oil Methanol Ester Blends and Copper Oxide Nanoparticles Using Advanced Response Surface Methodology
14	MECH031	Rashi Yadav, Dr. Manojkumar Dalvi, Dr. Nitish Gautam, Nand Jee Kanu	Optimizing Capacity Planning and Resource Allocation for Sustainable Supplier Development in Indian Industries
15	MECH032	Nand Jee Kanu, Ashwin Kamble, A. N. Shaikh	An insight into energy efficiency for condition based sustainable maintenance
16	MECH033	Sakshi Mokashi, Anil Sharma	A Study on Electrochemical Oxidation of Organic Compounds and the Production of Metal Oxide Degradation. Nanocomposites - Two Examples of Applications to Industrial Effluents and Organic Compound

DAY – 1 (27th June 2024, 11:45 AM – 02:00 PM IST (Indian Standard Time))

SESSION 2 - CIVIL ENGINEERING

Session Chair – Prof. Dr. Ellora Padhi Affiliation: Dept. of Water Resource Mgmt, IIT Roorkee			Session Co-ordinator – Prof. A. A. Avhad, ashokavhad.jspm@gmail.com	
Sr. No.	Paper Id	Authors	Title	ZOOM Link
1	CIVL003	Surbhi, Dr. Ashita Sharma	Impact of green cover on improving outdoor temperature in residential soceties	Meeting ID: 786 982 7768 Passcode:jspmntc123 Link: https://zoom.us/j/7869827768?pwd=CBMO4XL4mcW8kw1ieMrskGLOErMQoX.1&omn=99287878189
2	CIVL005	Shreyal R. Ahir, Dr S. S. Pimplikar	Comparative analysis of residential property rates and rents for west pune city pre and post covid	
3	CIVL006	Samrity Jalota, Manju Suthar	Performance evaluation of polypropylene fibre and anti-stripping agents against stripping	
4	CIVL007	Hrushikesh D Raut, Ramesh D Dod	Use of glass concrete mortar in radiation shielding: A Review.	
5	CIVL008	Bhaskar Wabhitkar, Mousim Sultan, Rohit Wankhede, Masooma Sultan, Vishwadeep Ambhore, Arti Dharpale	Study the Durability of Chemically Processed Recycled Aggregates	
6	CIVL010	K.Lalmangaihzuala, Dr.Seema	Analysis of a Five Storey Building with an Underground Water Tank Attached to the Columns in a Hilly Area	
7	CIVL013	Pranav Bhetalu, Dr. Shantini Bokil	The Role of BIM in Enhancing Green Building Construction: A Review	
8	CIVL014	Sitaram Suryawanshi, Aditya Gawai, Raj Gundle, Parimeeta Kamble, Varsha Puri, Sanket Dhamshedwar	Analysis Of Progressive Collapse Of Building On Existing Structure Using Staad Pro By Removing Multiple Column	
9	CIVL015	Prasad G Jadhav, Kul Vaibhav Sharma	Comprehensive Geospatial Approach for Enhancing Flood Hazard Assessment in the Upper Krishna Basin through Analytical Hierarchy Process	
10	CIVL016	FK lawmzela,Er Gagandeep	Seismic analysis of irregular high rise structures:Comparative study on the effectiveness of Fluid Viscous Dampers and Lead Rubber Bearing Systems	
11	CIVL017	Asharaf H Mulani , Dr. Rohit Salgude	"A Comprehensive Review on Exploring the Origins: Addressing Cost Overruns and Delays in Road Construction"	

12	CIVL018	Aniket Dhamal, Dr.A.R.Deshmukh, Prof. Rama Pawar	Design of Retaining Wall Using Pythone Programming
13	CIVL019	Rahul Sharma, Mohammad Irshad malik	Remediation of Silty Clayey Soil using Agricultural Waste Sugarcane Bagasse Ash
14	CIVL020	Sanjeev kumar,Rajeev kumar	An investigative analysis of cement partial replacement in concrete by combining perlite and sugar cane bagasse ash
15	CIVL021	Raman Duhan, Tarun Sharma	Soil Stabilization using Ground Granulated Blast Furnace Slag and Silica Fume
16	CIVL023	Piyush Surwade, Dr.A.R.Deshmukh, Dr. G.A. Deshpande	Optimization of position of shear wall for irregular building

DAY – 1 (27th June 2024, 11:45 AM – 02:00 PM IST (Indian Standard Time))

SESSION 3 - COMPUTER SCIENCE AND ARTIFICIAL INTELLIGENCE

<p>Session Chair – Prof. Dr. Pathan Mohd Shafi A Karim Affiliation-Cyber security and Forensic Director, COSAC & Professor, Department of Computer Science and Engineering MITSOE, MITADT University, Loni Kalbhor, Pune</p>	<p align="right">Session Co-ordinator – Prof. P. R. Balge, prbalage_comp@jspmntc.com</p>
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Sr. No.	Paper Id	Authors	Title	ZOOM Link
1	COMP007	Sarika Kshirsagar, Dr.Sanjay Sahebrao Solanki	Machine Learning Algorithms to Designing Prediction Model of Cerebral Palsy Disorder	https://us02web.zoom.us/j/89447542536?pwd=dandX4AiWdgYKGualbgdM3PEXgR4Yc.1 Meeting ID: 894 4754 2536 Passcode: 433612
2	COMP012	Shreyash Naik, Yashraj Tiwari, Ghanshyam Singh Shaktawat	Plant Disease Detection using CNN	
3	COMP018	Saravana Kumar S, K.Selvakumar, V. Senthil Murugan	Bio-inspired swarm intelligence-based feature selection and classification for autism spectrum disorder detection	
4	COMP019	Shreya V. Karade, Bhagyashri D. Malpure	Sentiment Analysis of Political Party Unveiling Insights from Big Data	
5	COMP022	Vishal Sharma, Rohit Beniwal, and Vinod Kumar	Metaheuristics Approaches Towards Secure and Optimized Routing in IoT: A Systematic Literature Review	
6	COMP023	Balahariraj N, Menaha R, Dharshini R, Subiksha M, Vijay S	A Study On XAI Based Drug Identification System	
7	COMP024	Minerka Surya Ravi	Heart disease prediction using machine learning	
8	COMP025	Menaha R, Gokulnath RS, Balaji G, Shri Bharani Priya N, Vijay A	Impact of Virtual Influencer for Brands Promotion: A Normative Study	
9	COMP060	Shivani Gupta, Dr. Mainaz Faridi	Crop Yield Forecasting using Deep Learning Techniques: A Concise Summary	
10	JSPMNTC COMP001	Mrs. Shruti P. Naik, Mrudul Dinesh Patel, Mayur Dilip Limbhore, Mukund Murji Chamriya, Madhura Rajesh Patil	CERTI-BLOCK A Blockchain Based Certificate Validation System	
11	JSPMNTC COMP002	Mrs Shruti P Naik, Yash Ghorpade, Suraj Deore, Pratik Badgire , Disha Patil	Smart Traffic Management System	
12	JSPMNTC COMP003	Mansi Namose, Payal Gaikwad, Isha Makhija, Pratik Shelke, Shlok Salvi, Gaurav Solankar	Heart Disease Prediction using Novel QuineMcCluskey Binary Classifier	
13	JSPMNTC COMP004	Dr. Sulochana Sonkamble, Pratik Baravkar, Pratham Choudhari, Vinod Choudhary, Pranav Jagdale	AgroVision: Enhanced Crop Forecasting With Multifactorial Analysis And Decision Support	

DAY – 1 (27th June 2024, 2:30 PM – 04:30 PM IST (Indian Standard Time))
SESSION 4 - MATERIAL SCIENCE AND MECHANICAL ENGINEERING

Session Chair – Dr. M. U. Gaikwad

Affiliation- JSPM Narhe Technical Campus, Pune, India

Session Co-ordinator – Dr. Nand Jee Kanu,

nandssm@gmail.com

Sr. No.	Paper Id	Authors	Title	ZOOM Link
1	JSPMNTC MECH001	Dr. Suhas Sarje, Mr. Harshad Madhukar Suryawanshi, Mr. Rohit Balasaheb Sonavane, Mr. Anish Sandip Kanase, Mr. Rohit Rabin Patra, Mr. Tejas Sambhaji Vetral	Partial Solution for Vibration Effect of Locomotive Traction Motor	https://us05web.zoom.us/j/89615633225?pwd=kxxnA8d7sHGY79b7RMKtaXyZ9sKnHB.1 Meeting ID: 896 1563 3225 Passcode: 123456
2	JSPMNTC MECH002	Dr. M. S. Deokar, Tanishq Jadhav, Uday Deshmukh, Gaurav gome, Tushar Boadre, Vitthal Gore	Development of health monitoring system for failure of pinion shaft	
3	JSPMNTC MECH003	Dr. M. A. Kumbhalkar, Mr. Aditya Anant Kaldate, Mr. Ajay Suresh Bodade, Mr. Indrajeet Vinayak Mokashi, Mr. Harshal Sudhir Bhoite, Mr. Umesh Rangnath Bele	Development and Structural Evaluation of Airless Tire Designs for Enhanced Durability and Performance	
4	JSPMNTC MECH004	Dr. M. A. Kumbhalkar, Mr. Kshitij Kobal1, Mr. Sanket Mohite, Mr. Sarang Medhi, Mr. Raj Kalvankar, Mr. Dhiraj Borkar	Wear Failure Analysis of Railway Wheel Due to Rail-Wheel Interaction	
5	JSPMNTC MECH005	Dr. M. A. Kumbhalkar, Mr. Nikhil Nasale, Mr. Aditya Joshi, Mr. Bapu Survase, Mr. Ajay Chaudhary, Ms. Bhavika Mistry	Development of Health Monitoring System for Railway Wheel	
6	JSPMNTC MECH006	Mr. shivam R. Navtake, Mr. Akash Molawade, Mr. vedant Gandhewar, Mr. Mahesh kurhade	Investigation of Surface Integrity during Powder Bed Fusion Additive Manufacturing of Al10SiMg	
7	JSPMNTC MECH007	S. S. Bhosale, Mr. Aditya Gaikwad, Mr. Satyajeet Sawant, Mr. Sameer Chaskar, Mr. Saurabh Dhule, Mr. Rushikesh Shetkar	Experimental Investigation of Inconel 718 Using Process Parameter of WEDM"	
8	JSPMNTC MECH008	Rashi Yadav, Mr. Rohit Dalvi, Mr. Onkar Agam, Mr. Suyash Gavali, Mr. Ranjit Gajare, Mr. Ajit Jadhav	Study & Analysis Of Radiator used in Locomotive	
9	JSPMNTC MECH009	P. B. Maitreya, Mr. Kedar Shashikant Shedage, Mr. Tejas Shivaji Jagtap, Mr. Sujit Dipak Patil, Mr. Tejas Sudhir Joshi	Impact & Vibration Analysis of Go-Kart Chassis	

10	JSPMNTC MECH010	S. B. Pawar, Prathamesh kakade, Pratik kothare, Dnyanesh Patharkar, Nitin Bhangale	Gear error detection using image processing
11	JSPMNTC MECH011	V. J. Raje, Ajinkya D Sargar, Abhishek A Hendre, Pritesh I Tolnur, Yogesh BhaleV	A Review on “Addressing Defects on Plasma Laser Cutting Machine”
12	JSPMNTC MECH012	P. U. Gaikwad, Mr.Waghmode Vaibhav, Mr.Taktode Nihal, Mr.Chavan Vallabh,Mr.Pathan Mohammadsad, Mr.Pathan Affan	Performance Analysis Fuelled with Hydrogen Based Internal CI Engine
13	JSPMNTC MECH013	P. U. Gaikwad, Chavan Omkar Ashok, Yelmane Sai Somnath, Pomane Prashant Nanaso, Mahale Aniket Yewaji	Identify the failures of railway primary spring
14	JSPMNTC MECH014	V. J. Raje, Mr. ShubhamVedhpathak, Mr. Rutik jingare, Mr. Samadhan Bhosale, Ms. Bharati Dwarke	Field - rover all in one agriculture robot
15	JSPMNTC MECH015	R. P. Kattimani, Mr. Saurabh Deshpande, Mr. Nikhil Jadhav, Mr. Vikas Raut, Mr. Onkar Bhagwat	“Optimization of EDM Process Parameters using Taguchi Method”

DAY – 1 (27th June 2024, 2:30 PM – 04:30 PM IST (Indian Standard Time))
SESSION 5 - CIVIL ENGINEERING

Session Chair – Prof. Anil Ghadage Affiliation: Sardar Patel College of Engg. Mumbai		Session Co-ordinator – Prof. S. S. Bansode, ssbansode.78@gmail.com		
Sr. No.	Paper Id	Authors	Title	ZOOM Link
1	CIVL025	Pardeep Kumar, Jagdeep Singh and Amanpreet Tangri	Impact of Fly Ash and Silica Fume on the Mechanical Properties of Conventional Concrete	Meeting ID: 786 982 7768 Passcode:jspmntc123 Link: https://zoom.us/j/7869827768?pwd=CBMO4XL4mcW8kw1ieMrskGLOErMQoX.1&omn=99287878189
2	CIVL026	Rohit verma, E.R Abhishek Singh Rana	Study on partial replacement of fine aggregate in concrete with low density polypropylene and cement with fly ash	
3	CIVL027	Chaitanya Sonar, Dr. Preeti Gajghate, Prof. Sangeeta Mishra	Comparative analysis of seismic strengthening of RCC Multi-storey building by different lateral load Resisting systems	
4	CIVL030	Pawan Kumar Sharma, Jagdish Chand	Calibration of Roughness Progression Distress Model of HDM-4 for Developing Pavement Maintenance Management System for Urban Roads	
5	CIVL031	Vijay, Muthekar, Smitha R. Yadav, and Shivani Chandnani	Optimization of activation function in neural network to predict compaction parameters of silty soil	
6	CIVL032	Amit, Avani Chopra	Towards Sustainable Pavements: Using Waste NBR and Furan Resin as Environmentally-Friendly Alternatives for Bitumen Modification	
7	CIVL033	Sachin Deshpande, Vishakha Sakhare	Study of fly ash based geopolymer made with Autoclaved aerated concrete block waste as a part of construction demolition waste.	
8	CIVL034	Dr. Ashwini R Patil, Atul Vinayak Sonune, Rajat Pandharinath Shelar, Sarthak Sunil Sajjanwar, Prathamesh Shankar Korde and Anurag Jitendara Shendekar	Integrating 3D Model with Revit Architecture and 4D Planning with Primavera P6 for Construction Project.	
9	CIVL035	Dr. Ashwini Patil , Ms. Riya Prashant Khalate , Mr. Kiran Pol	A Risk and Impact Study of a Commercial Project using Earned Value Management	
10	CIVL036	Bhaskar Wabhitkar, V. V. Muthekar	Examine the Geotextile Behaviour in Flexible Pavement using IITPave	
11	CIVL037	Manjeet Singh Bhullar, Dr. Anupam Bhatnagar	Interpretation of the Effects of Illumination Level on Mine Safety, Productivity and Energy Efficiency in Case of a Surface Mine	

12	CIVL038	Rantej Sharma, Akriti Sharma, Himanshu Sharma	Air Quality Prediction In Amritsar Using Machine Learning Algorithms
13	CIVL039	Parminder Singh, Akriti Sharma, Himanshu Sharma	Predictive Modeling of Air Quality in Patiala, Khanna, and Mandi Gobindgarh Using Hybrid Machine Learning Approach
14	CIVL041	Ms. Ruchira Deepak Rokde , Dr. Sudhir Ambekar	use of microalgae for efficient removal of nutrients: a review
15	CIVL042	Mahesh Patil, Pravin Minde	A Comprehensive Review of the Real Estate Act, 2016: Challenges and Opportunities
16	CIVL044	Kajal D. Chavan, Amarsinh B. Landage	Geomorphic and GIS Analysis of Landslide Susceptibility in the Koyna River Basin

DAY – 1 (27th June 2024, 2:30 PM – 04:30 PM IST (Indian Standard Time))
SESSION 6 - ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Session Chair – Prof. Dr. Deepika Pradhan Affiliation: COEP, Pune, India	Session Co-ordinator –Dr. Sajid Shaikh, drsajid0077@gmail.com
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Sr. No.	Paper Id	Authors	Title	ZOOM Link
1	ENTC004	Sajid Shaikh, Swarali Kishor Khopade, M. M. Sardeshmukh, S. A. Choudhari, M. A. Kumbhalkar,	Managing Medicines Supply and Shortages using artificial intelligence and Data Science	https://us02web.zoom.us/j/89461567045?pwd=wApAFijmnMUdA13luabJ88OXuTSNFW.1 Meeting ID: 894 6156 7045 Passcode: 599080
2	ENTC005	Tanay Jaiswal, N.R. Kidwai	Classification And Comparative Evaluation of Routing Protocols' Performance in Mobile Ad Hoc Networks.	
3	ENTC006	Prakash Malvadkar, Dr. Shubhangi Handore	Voltage Balance of Lead Acid Battery Through Active Capacitive Cell Balancing Method.	
4	ENTC008	Shankar Amalraj	LoRa-Based Rover for Planetary Exploration Adapting Surveillance Spy Robot for Space Sample Detection	
5	ENTC009	Haider TH. Salim ALRikabi, Adheed H. Sallomi, Hasan F. Khazaal	Challenging the Optimizing of Reconfigurable Intelligent Surfaces with Wireless MIMO-OFDM Technology	
6	ENTC014	Mohammad Ishaq, Praveen Kumar Shukla, Haroon Ashfaq, Virendra Kumar Maurya	Optimization of Time-Headway of a Sub-Urban Rail Transport System Using Communication Based Train Control System	
7	ENTC015	Archana Kadam, Dr. Ramesh Mali, Dr. Reena Gunjan	Scrutiny of Vehicle to grid power flow strategy for Eco-friendly Transportation	
8	ENTC017	Medha Kumari, Santanu Mandal	Stabilizing A New Wing-Type 4D Chaotic Signals Using Adaptive Control	
9	ENTC040	Eva Gupta	An insight into enhancing efficiency and reducing losses of transformer cores using carbon nanotubes	
10	JSPMNTC ENTC001	Sakshi Mane, Pratiksha Pawar, Suraj Kalshetty, Aditya Shelar	Real Time Attendance System Using Face Recognition	
11	JSPMNTC ENTC002	Dr. M.P. Hajare, Dr. A.S. Patil, Dr. S.W. Shaikh, Mrs.S.P. Kurlekar, Rohit Gadave, Abhishek Gavhane, Prachee Honde , Rutuja Nigade	Emergency calling button for ambulance and firefighting team.	
12	JSPMNTC ENTC003	Dr. A.S.Patil,Dr. M.P. Hajare,Dr. S.W. Shaikh,Mrs.S.P. Kurlekar	Sensor Based Fire and Smoke Detection system in coaches	
13	JSPMNTC ENTC004	Mrs.Supriya Kurlekar , Radhika Raut, Sneha Karande, Vishal Bichukle	Pothole Detection using Raspberry Pi	

14	JSPMNTC ENTC005	Kadam Pornima, Pardeshi kunal, Masule chetan, Kunal sardar	Intelligent traffic management system using image processing
15	JSPMNTC ENTC006	Dr. M.P. Hajare, Sejal Hanmante, Rameshwari Kadrame, Mohit Badgujar, Prathamesh sharma.	Intelligent valve control mechanism for irrigation in precision agriculture
16	JSPMNTC ENTC007	Shruti Agnihotri, Prajкта Dhome, Sandhyarani Kamble, Shruti Magar	Smart Ration Distribution System
17	JSPMNTC ENTC008	Siddhant Nartawar, Rutvik Malve, Snehal Ingle, Pratham Mashruwala	Leaf Disease Detection and Recommendation of Pesticides using CNN
18	JSPMNTC ENTC009	Sail bhandekar, yoshita bhole, om bhandarkar, Namrata Chaudhary	Automated toll collections ystem using number plate scanning



JSPM Narhe Technical Campus, Narhe, Pune

S No 12-1-2 and 12-2-2 Narhe, Taluka- Haveli, Near Sanas Crane, Pune-Bangalore Highway, Pune, Maharashtra 411041

Landmark: Navale Bridge, Behind Swami-narayan Temple Narhe

Approved By AICTE & Affiliated To Savitribai Phule Pune University. **Institute Code : 6755**

ACCREDITED BY NAAC



International Conference on Joint Innovations in Sustainable Engineering, Project Management and New Transformations in Computing and Communication

IC-JSPMNTC 2024

27-28 June 2024

PRESENTATION SCHEDULE (DAY 2)

DAY – 2 (28th June 2024, 10:30 AM – 11:15 AM IST (Indian Standard Time))

KEYNOTE SESSION

Keynote Speaker	Title	ZOOM Link
Dr. Saratha Sathasivam School Of Mathematical Sciences, Universiti Sains Malaysia, Penang, Malaysia	Conditional random ksatisfiability modeling for $k=1,2$ (CRAN2SAT) with non-monotonic Smish activation function in discrete Hopfield neural network	https://us06web.zoom.us/j/89272502194?pwd=KgtvOEbtmWhoiOAtRc2CifyQu1Lfed.1 Meeting ID: 892 7250 2194 Passcode: 123456

DAY – 2 (28th June 2024, 11:15 AM – 01:30 PM IST (Indian Standard Time))

SESSION 7 - CIVIL ENGINEERING

Session Chair – Prof. D. G. Regulwar Affiliation: Professor and Head, Govt. College of Engg. Aurangabad			Session Co-ordinator – Prof. M. E. Nikam, madhurieknathnikam26@gmail.com	
Sr. No.	Paper Id	Authors	Title	ZOOM Link
1	CIVL045	Shivam Saini and Gagandeep Singh	Experimental Investigation On Partial Replacement Of Coarse Aggregates with Demolished Waste Aggregates	<p align="center"> Meeting ID: 786 982 7768 Passcode:jspmntc123 Link: https://zoom.us/j/7869827768?pwd=CBMO4XL4mcW8kw1ieMrskGLOErMQoX.1&omn=99287878189 </p>
2	CIVL046	Onkar S. Jadhav, Amarsinh B. Landage	Thermosetting Polymer Integration for Superior Bituminous Pavement Performance	
3	CIVL047	Mrs. Aparna Jagtap, Ms. Sushma Sawadatkar, Mr. Kalpesh Panchal, Mr. Monish Sonawane	Implementing EV- A solar panel covered parking facilities for sustainable energy	
4	CIVL048	Siva Gowri Prasad. S, Varaprasad Anupoju	Evaluating the Effectiveness of Waste Shredded Rubber Tyres for Soil Stabilization	
5	CIVL049	Varaprasad Anupoju, Siva Gowri Prasad S	Sustainable Water Management in Urban Areas: A Case Study	
6	CIVL050	Anil S. Parlikar, Dattatray P. Kamble	A Study on Review of Different Types of Light Bulbs and Their Hazardous Contents	
7	CIVL052	K m patil, S S shahapure, G A Deshpande	Progressive collapse analysis of concrete diagrid structures by using linear static analysis	
8	CIVL053	Prashant Lalasaheb Jadhav, Anil S. Parlikar	A review - scour prediction and corrective measures for the local scour around bridge piers	
9	CIVL070	Onkar S. Jadhav	Thermosetting polymer integration for superior bituminous pavement performance	
10	CIVL075	Sujata Barde, Anil Parlikar	A review on seismic vulnerability of rcc building with soft storey with different seismic zone	
11	JSPMNTC CIVL001	Dr.S.B.Khaple, Abhijeet Mandave, Prashant Karale, Nutan Sawant, Pranita Shinde, Priyanka kachave	Effective Management of Construction and Demolition Waste	
12	JSPMNTC CIVL002	Prof.A.A.Avhad, Anurag Zende, Keshar Narvekar, Sanika Savalkar, Om Narale, sanjana pravin patil	Portable Multi-purpose Wallcrafting Tool	

13	JSPMNTC CIVL003	Prof. P. B. Garde, Sourabh phanasekar, prathmesh shirtode, abhishek kankal, mayuresh dhokne, Shubham Ingale	Experimental study on partial replacement of cement with ggbs and fine-aggregate with glass powder in concrete and different methods of curing''
14	JSPMNTC CIVL004	Prof.S.S.Bansode, Ankitkumar Singh, Ankit Kolwati, Hrushikesk Mane, Mahesh kendre, Shreyans Mukhe	Landslide of Irshalwadi - A Case Study
15	JSPMNTC CIVL005	Dr.S.B.Khaple,Suraj Puri, Ayush Nikate, Sohan Aldar, Prithviraj M Patil, Hemant Patil	Sustainable development of drainage system for flood control - Case Study
16	JSPMNTC CIVL006	Prof.Y.K.Poul, Sawant Abhijeet Anil, Sonawane Niraj Ramesh, Raut Samruddhi Deepak, Thombare Tejas Tanaji, Babar Tejas Milan	Analysis and design of material for floating platform to construct amphibious house.

DAY – 2 (28th June 2024, 11:15 AM – 01:30 PM IST (Indian Standard Time))

SESSION 8 - CIVIL ENGINEERING

<p>Session Chair – Prof. Samitinjay S. Bansode Affiliation: JSPM Narhe Technical Campus, Pune, India</p>	<p>Session Co-ordinator – Prof. A. A. Avhad, ashokavhad.jspm@gmail.com</p>
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Sr. No.	Paper Id	Authors	Title	ZOOM Link
1	JSPMNTC CIVL007	Prof.S.S.Bansode, Hemant Sarode, varun Deshmukh,Nikita Chavan, Jayendra Dhebe, Saurabh Mene	Role of Flexible pavement in Local temperature rise.	
2	JSPMNTC CIVL008	Prof.P.B.Garde, Siddhata Nazrekar, Samruddhi Padhye, Mansi Shinde	Experimental Investigation of black cotton soil with alum sludge and cement.	
3	JSPMNTC CIVL009	Dr.S.B.Khapse, Shubham Santosh Dhavale Chandrakant Ravindra dalvi, Ritesh jadhav, Sourabh S Shinde, Mayuresh Kunjir	Analysis and assessment of silting in Ujani reservoir Using "SWAT"	
4	JSPMNTC CIVL010	Prof.S.A.Kakade, Tompe Shyam Vijay, Abhishek Sanjay Dhole, Prathamesh S Suryawanshi, Somesh Kalyankar, Thorat Prachi Sunil	Hydraulic Flood Protection Wall in Flood prone Areas case study	
5	JSPMNTC CIVL011	Prof.S.S.Bansode, Suraj Subhash Tarate, Swapnil Bhausahab Dhakane, Piyush Rajendra patil,Anup Roshan Gawai, Shruti Tanaji Shinde	Utilization of Particulate Matter emitted from Hot Mix Plant in Construction Industry	
6	JSPMNTC CIVL012	Prof.Y.K.Poul, Shubham Gokul Tanpure,Vishal Ashok Birhade,Shubham Bhosale, Akash Yashwant Wagh, Saniya Shaikh	To prepare accident predication model through black spot analysis of Samruddhi Mahamarg (package9) using Python	
7	JSPMNTC CIVL013	Prof.S.A.Kakade, Rutik Bhausahab Mate, Adarsh Rajendra Godse, Rohit Balaji Pawar, Ajay Vijaykumar Chilme, Aaman Salim Shaikh	Retrofitting of the Existing Building Structure- Beam	
8	JSPMNTC CIVL014	Prof.A.A.Avhad, Nikhil Gajjewar, Balaji jadhav, Pavan Savale,Sumit Ardale, Dinesh Pawar	Experimental study on Building Tile Composed with Activated Carbon, Granite Dust & Zeolite.	
9	JSPMNTC CIVL015	Prof.A.S.Jadhav, Shubham Gambhire, Atharva Lonari, Pratik Mitkale, Gaurav Borde, Amar Dogare	examine efficiency of highway interchanges using python and game based simulation software	

10	JSPMNTC CIVL016	Prof.M.E.Nikam, Sunny Vijay Barge, Shrinath Santosh Nalawade, Aniket Rajendra Patil, Abhishek Anil Shelke	Assessment of geopolymer mortar containing construction and demolition waste
11	JSPMNTC CIVL017	Prof.P.V Wayal, Sagar giri, Ghuge krishnakant rajeshwar, Aarti Vikas Jagtap, Megha Mahendra Dadas	study of pollution status of mula and implementation of economical water treatment method.
12	JSPMNTC CIVL018	Prof.M.D.Anap, Namita more, Mangesh Pujari, Vishal rajput, Naresh Shelke, Snehal Landge	A Study on Biocement and OPC Performance
13	JSPMNTC CIVL019	Prof.P.N.Patil, Vinchurkar Veeresh Jambanna, Pandhare Aishwarya Rajesh, Ghayal Renuka Kalyan, Shreya Girme, Kalyanshetti Akshata Vijaykumar	Comparative Analysis and design of hollow core and conventional slab
14	JSPMNTC CIVL020	Prof. A.S.Jadhav, Mihir Sachin Gadkari, Shivam Shashikant Kumbhar	A Low Cost Water Purifier For Rural Households.
15	JSPMNTC CIVL021	Prof.M.D.Anap, Gayatri Kedar Siddha Suvarna Sarvade, sakshi khadsare, Sangram Dhakne, Swapnil Deshpande	Experimental Investigation On Coal Mine Overburden Sand Substituted to River Sand in Construction
16	JSPMNTC CIVL022	Dr.S.B.Khapse, Snehal Wagh, Shreya babar, Akansha Bhosale, Shrushti Hagwane	comparative analysis of shear capacity of corrugated plate girder for different angles of corrugation
17	JSPMNTC CIVL023	Prof.P.N.Patil, Shinde Nilesh Vasant,Patil Mohit Sambhaji, Dangare Rohan Chandrakant, Desai Vinay Vivek, Pharande Abhishek Subhash	Manufacturing Of Bricks By Using Waste Foundry Sand
18	JSPMNTC CIVL024	Prof.A.S.Jadhav, Khogare Pravin Rajesh, Jewarikar Krishna Sanjay, Satish Mahadev Khandare, Dhiraj Manmath Kamble, Kadam Akshay Vijaysinh	Investigation of Geopolymer concrete with flyash
19	JSPMNTC CIVL025	Prof.A.S.Jadhav, Rushikesh Swami, Rupesh Gavali, Kshitij Kanade, Aditya podar	Numerical and analytical investigation of ceramic matrix composites
20	JSPMNTC CIVL026	Prof.P.N.Patil, Abhishek Kishor kankal, mayuresh dhokne, Bhumkar Tushar	Quality Assurance and Quality control
21	JSPMNTC CIVL028	Prof. M. E. Nikam, Rajkumar Ghugale	Assesment of Two-Part Geopolymer Mortar Prepared with Mechanochemically Activated Waste Red Mud Bricks

<https://usubweb.zoom.us/j/89272502194?pwd=KgtvOEbtmWhoiOAtRc2CifyQu1Lfed.1>

[Meeting ID: 892 7250 2194](#)

[Passcode: 123456](#)

DAY – 2 (28th June 2024, 11:15 AM – 01:30 PM IST (Indian Standard Time))

SESSION 9 - COMPUTER SCIENCE AND ARTIFICIAL INTELLIGENCE

Session Chair – Prof. Shruti Naik Affiliation-JSPM Narhe Technical Campus, Pune, India		Session Co-ordinator – Prof S V Suryakar, samruddhisuryakar29@gmail.com		
Sr. No.	Paper Id	Authors	Title	ZOOM Link
1	JSPMNTC COMP005	Viraj Shewale, Prasad Sutar, Vinit Kawachale	The Crowdfunding Application by Binance Blockchain and ThirdWeb Hybrid Model.	https://us02web.zoom.us/j/83615215842?pwd=1fRuLoZ1FZ6LJAR4hW4EYwjsuByC08.1 Meeting ID: 836 1521 5842 Passcode: 383198
2	JSPMNTC COMP006	Prof Meera Sawalkar, Rutuja Pokale, Rashmi Yeramwar, Rachana Puranik, Rohan Yadav, Rohan Jadhav	Automated Menu Planning Algorithm for Children	
3	JSPMNTC COMP007	Mrs. Shruti P Naik, Yash Ghorpade, Suraj Deore, Pratik Badgire , Disha Patil	Intelligent traffic control system	
4	JSPMNTC COMP008	Prof. M.S. Sawalkar, Shubham Bhore, Santosh Doiphode, Nilesh Sonawane, Vinayak Sunkewar	Student Performance Prediction	
5	JSPMNTC COMP009	Shraddha Jadhav , Sakshi Patil , Nilesh Rajput , Tanvi Panhale, Akash Pargaonkar	Spatio Temporal Crime Prediction	
6	JSPMNTC COMP010	Darshan Jain, Priyanka Balage, Aditee Khedekar, Kunal Lagad, Balaji Raut	Farmer’s Assistant App-Agrozenith	
7	JSPMNTC COMP011	Dr. Sulochana Sonkamble, Atharva Kurumbhatte, Atharva Chakankar, Ashwin Kapile, Tanish Kinkar	Decentralized Rental Management: Utilizing Blockchain, Smart Contracts, and Ethereum for Secure and Transparent Assets Transactions	
8	JSPMNTC COMP012	N.C.Naidu, Ruchita Hirmukhe, Rashika Jadhav, Jyotsna Kharade, Mrunal Kuadapane, Rutuja Nimse	E grampanchayat	
9	JSPMNTC COMP013	Priyanka Balage, Sakshi Deshmukh, Sakshi Dhumal, Harshada Sharma	Empowering Change: An Advanced NGO Management System for Efficient Operations, Enhanced Donor Engagement, and Transparent Community Development	

10	JSPMNTC COMP014	Meera Sawalkar, Nirupama Santosh Ambre, Mansi Prakash Jadhav, Pratik Sunil Patil, Rutuparn Rajesh Sadvelkar	VetCare Innovations: Comprehensive Solutions for Animal Health
11	JSPMNTC COMP015	Prasanna Kulkarni, Onkar Sarvade, Yogesh Kedar, Kaushal Nikam, Ulka Bansode	Blood Link
12	JSPMNTC COMP016	Prof. Priyanka Balage, Sakshi Bherde, Sakshi Pagare	CelestialEyes: A Visionary AR/VR Quest for Eclipses
13	JSPMNTC COMP017	Prof. M.S. Namose, Harshal Patil, Mahesh Patil, Dipak Sapate, Dinesh Vaishnav	Implementing Speech Recognition for Detecting and Alerting Abusive Language
14	JSPMNTC COMP018	Parth Patel, Animesh Singh, Tejas Dhengle	Railway Locomotive Shed Management System