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International Conference on Smart Environment Management and Solutions (ICEMS)

21st & 22nd April 2022, Virtual Conference

Organized By

Institute For Engineering Research and Publication (IFERP)



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Wainganga College of Engineering and Management, Maharashtra

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New Horizon College of Engineering, Karnataka

ICEMS 2022

21st & 22nd April 2022

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Program Schedule

Conference Schedule - Day 1 (21.04.2022)

9:00 AM (IST)	Inauguration
10.05 AM (IST)	Keynote Speech I
10.41 AM (IST)	Keynote Speech II
11:41 AM(IST) – 1.30 PM(IST)	Technical Session I Environmental Science
1.31 PM – 2.10 PM (IST)	Lunch Break
02: 11 PM - 04.40 PM (IST)	Technical Session II Civil / Structural Engineering

Conference Schedule - Day 2 (22.04.2022)

9:15 AM (IST)	Inauguration
09.36 AM (IST)	Keynote Speech III
10.06 AM (IST)	Keynote Speech IV
10:40 AM(IST) – 1.30 PM(IST)	Technical Session III Civil / Structural Engineering
1.31 PM – 2.10 PM (IST)	Lunch Break
02: 11 PM - 04.40 PM (IST)	Technical Session IV CSE/EEE
04:41 PM	Valedictory Session

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Keynote Speakers

Professor Dr. GVR Shastri

Chairman

Coastal India Development Council,
New Delhi, India

Shri. Shreegumi Dharman Vijeyen

Minister of Environment & Climate change
World Parliament Government,
Delhi, India

Dr. Ashok S. Alur

Director

Centre of Excellence for Farmer producer
Organizations Director
DoH and UHS-B -Government of Karnataka, College
of Horticulture-UHS-B premises GKVK-Bengaluru, India

Dr. Saravanan Raj

Director (Agricultural Extension)

National Institute of Agricultural Extension Management (MANAGE)
(An Organization of Ministry of Agriculture & Farmers Welfare, Government of India)
Hyderabad, India

Dr. Narayan Shrestha

Project Officer

Aberdeen City Council, Greater Aberdeen Area,
Scotland, United Kingdom



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Technical Session Chairs

1. Dr. Anusya Devi V.S

Professor & HOD Chemistry, School of Applied Sciences In New Horizon College Of Engineering

2. Dr. Snehal Abhyankar

HOD, Civil Engineering, Wainganga College of Engineering and Management, Nagpur

3. Dr. Rajesh Gupta

Professor of Civil Engineering at Visvesvaraya National Institute of Technology, Nagpur

4. Dr.A.K.Sharma

Teaching Faculty, Shri Ramdeobaba College of Engineering and Management Nagpur

5. Dr. Swapnili Karmore

Dean R&D, HoD Data Science & Associate Professor, G.H Rasoni Institute of Engineering & Technology, Nagpur

6. Dr. B. Meenakshi Sundaram

Professor, Department of Computer Science & Engineering, New Horizon College of Engineering, Bangalore

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Technical Session I:

Session Chair: Dr. Anusya Devi V.

[Session Timings: 11.40 AM – 01.30 PM]

<u>SNo</u>	<u>Abstract / Paper id</u>	<u>Paper Title</u>	<u>Department</u>	<u>Author</u>	<u>Coauthors</u>
1	ICEMS-22_92443	Environmental Loss Assessment using Green GDP	Agricultural Economics	T.M.Kamesh	
2	ICEMS-22_25070	Need Of Consumer Protection Act Through Educational Awareness Among College Students: An Indian Perspective	Management	Sarmistha Agasti	Jyoti Kumari Pandit
3	ICEMS-22_29255	Synthesis Of Chitosan Modified Nzvi For Anionic Azo Dye Removal From Aqueous Solution: Isotherm, Kinetic And RSM Modelling Approach	Environmental Science	Nisha Kumari	Ritu Singh
4	ICEMS-22_3454	Assessment Of Microplastics In The Industrial Area Of Jaipur City	Environmental Science	Prashant Kumar Jaiswal	Ritu Singh
5	ICEMS-22_43305	Facile Synthesis Of Glutathione Functionalized Fe 3 O 4 Nanochains For Effective Removal Of Crystal Violet And Phenol Red Dyes From Aqueous Matrix	Environmental Science	Monalisha Behera	Nisha Kumari, Kaiser Raza, Ritu Singh
6	ICEMS-22_98902	Dynamic Simulation For Determining The Optimum Pressure On Reverse Osmosis Plant	Irrigation And Hydraulics	Mohamed A. Allam	Hoda K. Soussa , Ezzat Elafy
7	ICEMS-22_86473	Dynamic Simulation Of Salinity And Pressure Effects On Reverse Osmosis Performance	Irrigation And Hydraulics	Mohamed A. Allam	Hoda K. Soussa , Ezzat Elafy
8	ICEMS-22_45898	A Review On Environmental Impacts Of Volatile Organic Compounds And Its Measurement On Indoor Air Quality	Pharmacy	Mythili Krishnamurthy	Gayatri Sukumaran ,Chitra Krishnan

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9	ICEMS-22_84130	Trends And Patterns In The Growth Of Tourist Flow In Khajuraho Bundelkhand During The Last Two Decades	Insitute Of Environment And Development Studies	Lateef Ahmad	Smiriti Tripathi
10	ICEMS-22_40528	Breast Cancer Detection Using Convolutional Neural Network (Deep Learning)	Biomedical	Selvendran Ganesan	Vigneshkumar Sabapathi, Mangaiyar Thilagam Anantharaj ,Nitheesh Kannan , Jeeva Madheswaran
11	ICEMS-22_27339	Sustainable Clothing: Role Of Environmental Knowledge, Perceived Store Accessibility And Its Impact On Purchase Intention In Indian Context.	Commerce	Stenzin Dawa	Dr. Sunil Kumar

Technical Session II

Session Chair: Dr. Snehal Abhyankar

[Session Timings: 02.11 PM – 04.40 PM]

SNo	Abstract / Paper id	Paper Title	Department	Author	Coauthors
1	ICEMS-22_87730	Application of Principal Component Analysis for extraction of principal components for the development of water quality index: A case study of river Ganga, India	Civil Engineering	ABHISHEK KUMAR TRIPATHI	Dipteek Parmar, Sudhir Kumar, Mahesh Kumar Jat
2	ICEMS-22_92441	Identification and Assessment of Critical Financial Risks Associated with PPP Projects	Civil Engineering	Muhammad Shabeeb	Abhay Tawalare
3	ICEMS-22_95436	Demonstration of Fabrication and Working of a Hydraulic Ram Pump	Civil Engineering	Sonam Wangmo	Vijaya Kumar SM, Vijay V Nair

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4	ICEMS-22_30398	FLY ASH AND G.G.B.S. BASED DRY GEOPOLYMER BINDER : A REVIEW	Structural Engineering	Snehal Omprakash Kotar	Dr. Bhushan Shinde
5	ICEMS-22_92447	Utilization of Fly Ash, Rice Husk Ash and Plastic in Paver block	Civil Engineering	Satish D. Kene	Dr. Arun Patel
6	ICEMS-22_92449	Analysis & Modeling of Deceleration Behaviour of Light Motor Vehicles	Civil Engineering	Sushant M. Gajbhiye	Dr. Arun Patel
7	ICEMS-22_92450	Sustainable Construction Using Natural Mineral & EPS Beads In Light Weight Blocks To Form Innovative Concrete As A Green Building Material	Civil Engineering	Ashish S Moon	Dr. Arun Patel

Day 2: 22nd April 2022

Technical Session III - Civil Engineering

[Session Timings: 10.40 AM – 01.30 PM]

Session Chairs: Dr. Rajesh Gupta & Dr.A.K.Sharma

SNo	Abstract / Paper id	Paper Title	Department	Author	Coauthors
8	ICEMS-22_98950	State of the art for integrating modern technologies to develop a Sustainable Water Management Model	Civil Engineering	Deshbhushan Savindra Patil	Rajiv Gupta
9	ICEMS-22_23485	A Comparative Lifecycle Assessment of ordinary and Agrowaste Based Concrete	Civil Engineering	Akash Aneja	R.L. Sharma, Harpal Singh
10	ICEMS-22_94142	A Review on Photocatalysis Technology with TiO ₂ as Catalyst for Water, Wastewater and Air Quality Treatment	Civil Engineering	Nehal Gharde	Mr. R. M. Bhagat, Dr. S. R. Khandeshwar, Mr. R. R. Bhurse, Mr. A. V. Bhambulkar

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11	ICEMS-22_55660	Review On Water And Wastewater Treatment By Recent Advanced Oxidation Processes	Civil Engineering	Roshan Ramesh bhurse	Rajesh M Bhagat
12	ICEMS-22_46212	Application Of Pistacia Vera Shell Powder As An Efficient Bioadsorbent For Removal Of Azo-Dyes From Water	Arch & Planning	Prof. Priyanka Mishra	Hitankshi Mohanty, 3 Ms Y Lakshmi Madhuri
13	ICEMS-22_77120	Smart And Sustainable Materials To Improve Strength Characteristics Of Cement Concrete	Civil Engineering	Dr. Snehal Abhyankar	Dr. Anujkumar Sharma
14	ICEMS-22_97037	Waste Utilization In Sustainable Brick Production - A Review	Civil Engineering	Aashish A. Mehta	Vaishali J.Rajurkar,Prasad P Dahale
15	ICEMS-22_86314	MARS Based Prediction Model For Bearing Capacity Of Shallow Foundation	Civil Engineering	Manish Kumar	Dr. Pijush Samui
16	ICEMS-22_89766	Assessment Of Air Quality Index Of RCOEM Campus	Civil Engineering	Tripti Gupta	Srushti Chainde, Alisha Kumbhare, Mahendra Kadu and Khalid Ansari
17	ICEMS-22_83497	Micro-Structural Study Of Concrete Considering Recycled Aggregate	Civil Engineering	Hariom Khungar	Dr. B.K. Vendhan, Nilesh Parmar
18	ICEMS-22_19641	Study Of Seismic And Wind Effect On Multi-Storied Building With And Without Resisting Systems.	Civil Engineering	Deenay Ambade	Nidhi Gosavi
19	ICEMS-22_81607	Helical Soil Nail as an Alternative to Conventional Soil Nail for Slope Protection	Civil Engineering	Archita Goyal	Amit Kumar Shrivastava

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Technical Session IV – CSE/EEE

[Session Timings: 2.10 PM – 04.40 PM]

Session Chairs: Dr. Swapnili Karmore & Dr. B. Meenakshi Sundaram

SNo	Abstract/Paper id	Paper Title	Department	Author	Coauthors
1	ICEMS-22_32797	Deterministic And Parametric Approach In Graph Partitioning And Diffusion Based Neural Network For Smart Transportation System	CSE	Mahendra G	Roopashree H R
2	ICEMS-22_73968	Vulnerability Assessment Of Flood Hazard Using GIS-Based Multi Criteria Decision Analysis: A Case Study Of Mandakini River Basin (Uttarakhand, India)	Wireless Networks & Applications	Sreenidhi S	Dhanya M 2.B) And Geetha P
3	ICEMS-22_3127	An Adaptive Method For Traffic Signal Control Based On Fuzzy Logic With Webster And Modified Webster Formula Using SUMO Traffic Simulator	Communication And Networking	K. Anu	R. Suresh Babu, Dr. V. Jeyalakshmi
4	ICEMS-22_63872	Emergency Medical Services: A Systematic Review Of Literature And Recommended Remedies	CSE	Jeevitha R	M. Manikandakumar 2 , B Paavana Sai Reddy 3 , C.S. Rahul Anand 4 , H.S Naveen Bharadwaj
5	ICEMS-22_45561	Emerging Science Of Data Storage And Security – DNA	CSE	Priya Tv	
6	ICEMS-22_13418	Crime Prediction And Its Analysis	CSE	Srividhya Ganesan	Shreyas B, Sajjan Kumar, Venkat Rohit Pitani
7	ICEMS-22_60679	Audio Interpretation To Sign Language: A Survey	CSE	Ms. D. Salangai Nayagi	Shivathanu R, Manohar Kanth, Nitish Shankar Naik
8	ICEMS-22_39621	Network Attack Identification And Avoidance – An Executive Summary	CSE	Ms. K.Pramilarani	Dr. Vsananthi Kumar P
9	ICEMS-22_1821	Maximum output and maximum energy efficiency in a solar system by applying solar tracker system.	Electrical Engineering	Bhupati Mangesh Yamatkar	Jay Biharilal Mane, Nehal Vijay Kamble, Ritesh Vasant Ashtankar, Sahil Siddharth Walke

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					,Sarang Rajendra Raut, Shamal Harishchandra Dhobale
10	ICEMS-22_47297	Power and Energy Consumption in consumers terminal	Electrical Engineering	Prof. Trupti Deoram Tembhekar	Dr.Sonalee Dhurvey
11	ICEMS-22_64964	Development of Soil health and Nutrient Monitoring Module Using Jetson Nano	ETE	Jyoti Rishikesh Madake	Shripad Bhatlawande, Favin Fernandes, Gauravi Dungarwal, Vaishnavi Bhoite, Ishan Kareliya, Swati Shilaskar
	ICEMS-22_12476	Smartboi- Desktop Assistant with Accompaniment Chatbot	ETE	Jyoti Rishikesh Madake	Sameeran Pande, Shripad Bhatlawande, Swati Shilaskar

Valedictory Session

Thanks for Joining us, revert us with your valuable feedback.,