



**International Conference On Recent Advances In Technology,
Engineering, Science And Management
(ICRATESM 2023) - Hybrid Conference**

16th & 17th March 2023



Organized By
Dilap Research Institute of Engineering and
Management Studies, Mumbai

in Association with
Institute For Engineering Research and Publication (IFERP)

Our Academic Partner



Program Schedule

Conference Schedule - Day 1 (16.03.2023)

<i>09:00 AM (IST)</i>	<i>Registration</i>
<i>09.30 AM (IST)</i>	<i>Inauguration</i>
<i>10:16 AM -10:45 AM (IST)</i>	<i>Keynote Speech I</i>
<i>10:46 AM -11:15 AM (IST)</i>	<i>Keynote Speech II</i>
<i>11:16 AM – 11:45 AM(IST)</i>	<i>Keynote Speech III</i>
<i>12:00 PM – 1:30 PM(IST)</i>	<i>Technical Session I</i>
<i>01:30 PM - 2:15 PM</i>	<i>Break</i>
<i>02: 16 PM - 05.00 PM (IST)</i>	<i>Technical Session II</i>

Conference Schedule - Day 2 (17.03.2023)

<i>09:00 AM(IST)</i>	<i>Registration</i>
<i>09: 30 AM – 09:45 AM(IST)</i>	<i>Keynote speech IV</i>
<i>09:46 AM – 10:05 AM (IST)</i>	<i>Session Speech I</i>
<i>10:06 AM – 10:26 AM(IST)</i>	<i>Session Speech II</i>
<i>11:00 AM – 1:30 PM</i>	<i>Technical Session III</i>
<i>1:30 PM (IST) – 2.15 PM (IST)</i>	<i>Break</i>
<i>02:15 PM – 05:00 PM (IST)</i>	<i>Technical session - IV</i>
<i>5.00 PM (IST)</i>	<i>Vote Of Thanks</i>

Keynote Speakers

Dr. Sanjay Singh Thakur

Head – Research & Development
Suyog Telematics Limited
Mumbai, Maharashtra
India.



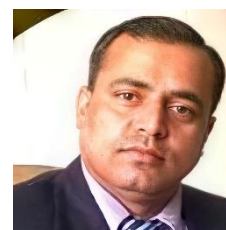
Dr. D. P. Sharma

Computer Scientist & Digital Diplomacy Expert
AMUIT, MOEFDRE under UNDP and IGF
(UN initiative for Digital Cooperation),
National Brand Ambassador, Swachh Bharat Mission
Rajasthan, India



Prof. Ar. Dr. Nagendra Narayan

Associate Professor and HOD
Chairman - IIA Kapurthala & Hoshiarpur Sub Centre
Lovely School of Architecture and Design,
Lovely Professional University,
Punjab, India.



Dr. Suresh Kaswan

Professor & Associate Dean
Faculty of Engineering & Technology
Sharda University,
Uzbekistan



Session Speakers

Dr. Mahendra Joshi

Professor
Lovely School of Architecture and Design
Lovely Professional University,
Punjab, India



Er. Jimmy Gupta

Asst. Professor & Structural Engineer,
Lovely School of Architecture & Design and
School of Civil Engineering,
Lovely Professional University,
Punjab, India



Session Chairs

- **Dr.S.RAJESH**, Associate Professor, Department of Mechanical Engineering
Sri Sairam Engineering College
 - **Professor (Dr.) Ambuj Kumar**, Professor Of Architecture & Planning, Lovely professional university
 - **Dr.R.Uma**, Professor, Department of Computer Science and Engineering, Sri Sairam Engineering College
 - **Dr.J.Anitha Ruth**, Asst Professor Senior grade , Department of Computer Science and Application, SRMIST ,Vadapalani, Chennai
 - **Dr V Sasirekha** , Professor – Management, Sri Sairam Engineering College, Chennai
 - **Dr. S. M. Subash,B.E.**, M.E., Ph.D., MBA, Associate Professor and Head,Department of Civil Engineering,Guru Nanak Institute of Technology, Hyderabad.
 - **Dr.R.Valarmathi**, Associate Professor, Department of Computer Science and Engineering
Sri Sairam Engineering College
 - **Dr. N. Suganya**, Associate Professor, Department of Civil Engineering , Sri Sairam Engineering
- ICRATESM 2023 – Hybrid Conference

16th & 17th March 2023/ DRIEMS, Mumbai

College

- **Dr.B.Thanuja** ,Associate Professor, Department of chemistry, Sri sairam Engineering College

Technical Session 1 12.00 PM - 01:30 PM

Track 1 : Mechanical Engineering / Mathematics

SNo	Paper ID	Paper Title	Department	Author	Co Author
1	ICRATESM_651982	Design, Analysis And Optimization Of Composite Leaf Spring For Light Vehicles.	Mechanical Engineering	Mangesh Bidve	Dr Manish Billore
2	ICRATESM_057428	Stress Analysis Of Projectile 155mm ERFB BT By Analytical Method	Mechanical Engineering	Rajesh Ohol	
3	ICRATESM_091637	Smart Battery Enclosure Design For Li-Ion Battery Cells Through Analytical Methods Of Simulation And Experiments	Mechanical	Deepak Singh	Sunil Anand
4	ICRATESM_916578	Design And Analysis Of Experiments In Inter-City Bus Transport System	Industrial & Production Engineering	Pramod Kale	Onkar Jagtap Janak Kanade Gourav Bhutada Atharv Kirad
5	ICRATESM_041	Thermal, Electrical Characteristics Of Mixed Hydrated Single Crystals.	Mech	Dr Swarada	Anant
6	ICRATESM_163720	Effects Of Radiation Absorption, Soret And Dufour On Unsteady MHD Mixed Convective Flow Past A Vertical Permeable Plate With Slip Condition And Viscous Dissipation	Mathematics	Temjennaro Jamir	Hemanta Konwar
7	ICRATESM_341026	Effectiveness Of E-Assessment Tools In Teaching-Learning Process Of Higher Education System	Mathematics	Dr Mamta Thakur	
8	ICRATESM_912570	Soret And Dufour Effects On An Unsteady MHD Flow From A Permeable Rotating Vertical Cone With Variable Fluid Properties	Maths	Temjennaro Jamir	Hemanta Konwar

Track 2 : Applied Science

SNo	Paper ID	Paper Title	Department	Author	Co Author
1	ICRATESM_725640	Potential Benefits And Evaluation Of Adaptive	Medical Physics	Pooja Sheoran	Anuradha Rani Mr. Jaigan L Khansa Fathima

		Radiation Therapy To Improve Plan For Lung And Head & Neck Cancer Patients			Dr. Tejpal Sharma Dr. Arun Kumar Aggarwal
2	ICRATESM_056137	Schiff Base Metal Complexes And Their Application	Chemistry	PRABLEEN KOUR	Atul Pratap Singh
3	ICRATESM_621789	Effectiveness Of The Regulatory Framework For Money Laundering In India	Ab	Dr.Saurabh Chandra	Dr.Meenakshi Kaul, Ms.Suparna Kundu
4	ICRATESM_621880	Estimating The Application Of Red Algae Situated Along The Gujarat Coastline.	Microbiology	Megha Shah	Indrani Bhattacharya, Sourish Bhattacharya, Anupama Shrivastava
5	ICRATESM_691082	Isolation And Characterization Of Cariogenic Microorganisms Causing Dental Problems	Biochemistry & Biotechnology	Shweta Bakshi	Dr. Indrani Bhattacharya*
6	ICRATESM_827345	Modelling And Simulation Of Cumene Process In Aspen Plus	Chemical Engineering	Rajneesh Anand	Rohit Ray And Farheen Akhtar
7	ICRATESM_814762	Evaluation Of Ion Recombination Correction Of Indigenously Developed Farmer Ion Chamber For Flattening Filter Free X-Rays.	Physical Science	Parimal T Patwe	Dr. Gajanan R Mahajan
8	ICRATESM_014792	To Study The Volatility And Integration Of Global Capital Markets Under Negative Economic Shocks	Economics	Ariba Atique Sayed	Dr Jayaraj R
9	ICRATESM_425076	Sewage Treatment Process For Household Purposes	Chemical Engineering	Gayatri Gawande	Prajwal Ghadge, Vedant Kale, Jeetsing Girase, Parikshit Sonar, Kinisha Khapre
10	ICRATESM_472319	Study On Effect Of Alkali And Acid Concentration On Reducing Sugar Yield	Chemical Engineering	Gayatri Gawande	Ritik Odepaliwar, Aditya Pawar, Sakshi Niphade, Jayesh Mane, Vishwajeet Mahamuni

Technical Session 2
2.16 PM – 5.00 PM
Track 1 : Computer Science Engineering

SNo	Paper ID	Paper Title	Department	Author	Co Author
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1	ICRATESM_582960	An Extensive Survey Of Blockchain Simulators For Validating Consensus Mechanisms	Computer Engineering	Khamar Jalpa J	Dr Hiren B Patel
2	ICRATESM_145069	Easy/Simple Comprehension Of Chat Application	CSE	Yogen Thapa Magar	Ayush Kumar, Abha Kiran Rajpoot
3	ICRATESM_091467	Iir Filter Order And Cut-Off Frequency Influences On Emg Signal Smoothing	ECE	Y Rama Lakshmanna	Dr P.Shanmuga Raja
4	ICRATESM_835724	Corpus Generation For Intent Analysis In Gujarati Code-Mix Text	Computer Science	NILESHKUMAR BHIMJIBHAI PARGHI	JAYDEEP RAMANI
5	ICRATESM_324795	A Machine Learning Agriculture Crop Recommendation System Using Soil Composition And Weather Properties	CSE	Dr. M. Prasad	Rekadi Satya Mounika
6	ICRATESM_108623	U-Slotted Wideband Microstrip Patch Antenna For Ka-Band And Mmw 5G Applications	ECE	Touko Tcheutou Stephane Borel	Rashmi Priyadarshini
7	ICRATESM_451082	Flight Price Prediction Using Machine Learning	IT	Victor Sarmacharjee	Himangshu Nath Ashim Kumar Buragohain Rajesh Kumar Gouda Dibya Jyoti Bora
8	ICRATESM_450269	Image-Based Detection Of Crop Disease And Comparative Analysis Machine	ECE	S. Harikaa	G. Sandhyarani, D. Sagar, G.V. Subba Reddy
9	ICRATESM_930241	Fertilizer Recommendation System For Plant Disease Prediction	CSE	T.M. Nithya	Heena. R, Ashwini. A, Kanmani. M, Lakshana. J.S
10	ICRATESM_126384	Special Learning Disability Prediction Using Machine Learning Approach: Knn, Support Vector Machine	CSE	Yogita Suresh Alone	Gajendra Rambhau Bamnote
11	ICRATESM_470251	Fall Detection And Avoidance Of Wandering For Elderly Using Iot	CSE	Dhanusree R	Janani V Karishma R Jemimah J
12	ICRATESM_354196	Wi-Fi Intercom System Using Linux	CSE	Kartik Joshi	Aditi Jagdale Itteeksha Chalkhure Ayush Trivedi Rahul Moriwai
13	ICRATESM_975613	Text Based Sentiment Analysis Using Long Short-Term Memory	CSE	Guntupalli Chandu	Shradha Zilpe

Track 2 : Computer Science Engineering

SNo	Paper ID	Paper Title	Department	Author	Co Author
1	ICRATESM_078629	A REVIEW TOWARDS IDENTIFICATION OF VARIOUS CHALLENGES OBSERVED TO OCATE DISEASED TISSUES IN THE PATIENTS INFECTED WITH COVID-19 BY USING NEURAL NETWORK	CSE	Isha Nitin Meshram	
2	ICRATESM_970351	Radar Based Air Defense System	ECE	Prof. Shailaja Udtewar	Craig Conceicao , Chris Patel , Sapna Kanojia , Sharayu Chavan
3	ICRATESM_534920	DEPLOYING SPRING BOOT APPLICATION USING AWS	CSE	Harika Veerubhotla	Yarram Vineela, Shradha Zilpe
4	ICRATESM_962347	Grayscale Image Colorization: A Literature Survey	computer Engineering	Rohit Joshi	Rahul Patil Pramod Patil Atharv Joshi Akshay Joshi Ninad Hastak
5	ICRATESM_613548	Detection and Prevention of SQL Injection Attack using Naive Bayes and ADA BOOST based Deep Forest model in Distributed Cloud	IT	R. Priyadharshini	S. Subikshaa, M. Manimegalai, K. Sebasthirani
6	ICRATESM_182306	Using XGBOOST To Classify Humans and Bots on Twitter	CSE	Shrishailappa Patil	Sayali Pophale
7	ICRATESM_548372	Prediction of Solar Energy Production and Energy Consumption for Optimal Scheduling	CSE	Prachi Kuldeep Shahane	Lavanya Samanta
8	ICRATESM_736451	Car Damage Detection using Computer Vision: A Review	CSE	Dr.S.T.Patil	Sakshi Bhegade
9	ICRATESM_145708	DEEP LEARNING APPROACH FOR INTELLIGENT INTRUSION DETECTION SYSTEM	CSE	PRATEEK SHRIVASTAVA	RAJESH KUMAR YADAV

10	ICRATESM_074152	Automated Investment Portfolio Recommendation	CSE	Jahnvi Mulchandani	Mannat Doultani Shruti Koku Aryan Gupta Ruchika Dusija
11	ICRATESM_816354	Role of Cloud computing environments for scientific workflow Applications	CSE	K Ranga swamy	D Raghava
12	ICRATESM_879130	Analysis of the performance of a machine learning model for predicting floods	CSE	[1] Pallavi Bangare	[2] Unnati Bokade, [3] Mayur Dhamankar, [4]Chetan Dhawale, [5] Dr. S. W. Mohod
13	ICRATESM_509278	Smart Refrigerator	CSE	Kapish Madhwani	Kaustubh Keny rounak talreja Prium Rohera
14	ICRATESM_572306	Weed Detection in Soybean Crop	CSE	ShirishailappaTatyasaheb Patil	Uday Nilesh Jaju
15	ICRATESM_702359	Pothole Detection Using IOT To Help People	CSE	BADA RAJASEKHAR REDDY	BOYA HARSHITHA M.MITHUN KUMAR REDDY
16	ICRATESM_497236	Phrase pair injection for the low resource English to Manipuri NMT	CSE	Maibam Indika Devi	Bipul SYam Purkaystha

Day 2
Technical Session 3
11.00 AM – 1.30 PM
Track 1 : Business & Management

SNo	Paper ID	Paper Title	Department	Author	Co Author
1	ICRATESM_198432	Sustainable Development Goals: A Developmental Agenda For The Sustainable Development Of Scheduled Tribes In India	R&D, Commerce	Subha.K	Dr.Shanimon.S

2	ICRATESM_094718	Medical Value Tourism: A Revival For Post Covid Tourism Industry In India.	Commerce	RIYA RAJU GEORGE	Dr SHANIMON S
3	ICRATESM_425871	Psychological Well-Being Of Menopausal Women	Human Development	A Alisha	Dr Savitha L Dr Sujata Gupta Kedar
4	ICRATESM_014792	To Study The Volatility And Integration Of Global Capital Markets Under Negative Economic Shocks	Economics	Ariba Atique Sayed	Dr Jayaraj R
5	ICRATESM_917245	Influence Of Demographic Variable On Perceived Home Environment Among Adolescents	Human Development	Jahanvi Malhotra	Dr. Savitha L
6	ICRATESM_902483	Burnout And Organizational Commitment As Predictors Of Turnover Intention Among Millennials	Psychology	Garima Lodha	Janis Maria Antony
7	ICRATESM_270640	"To Study The Impact Of Learning Styles Measured In Terms Of Representational Systems & Pedagogies Used On The Level Of Understanding, Attention, Satisfaction, Motivation & Performance			

Track 2 : Civil Engineering/Architecture & Urban Planning

SNo	Paper ID	Paper Title	Department	Author	Co Author
1	ICRATESM_781593	The Ability Of Multi-Layered Roof Covering Construction From Waste Tires To Withstand Rainwater	Architecture & Planning	Lutfia Nuri Novitasari	Eugenius Pradipto
2	ICRATESM_601528	Mathematical Model To Compute The Quantity Of 10cm Diameter Vertical Eucalyptus Posts Used For Formwork Preparation In The Case Of Semi-Spherical And Parabolic Domes	Civil Engineering	Teshale Teshome Alemu	Mohindra Sign Thakur
3	ICRATESM_271640	Resilience Of Highways In The State Of Punjab – A Case Of Amritsar-Pathankot Stretch Of Nh-54	Urban Planning	Manpreet Singh Saini	Ms Shruti Dubey Dr. Ashwani Luthra
4	ICRATESM_524378	Loss Of Agriculture Land Along Flood Prone Panchganga River	Urban Planning	Aditya Hivrale,	Dr Bigith Vb
5	ICRATESM_385107	Growing Socioeconomic Disparities That Act As A Barrier In Nation Development	Architecture	Priyadarshini Chaturvedi	Jagdeep Singh

6	ICRATESM_129635	Effect Of Tourism On Development Of Socio-Cultural And Economic Aspects	Urban Plannning	Guna Sekhar	Shubham Goel
7	ICRATESM_239601	Socio-Economic Impact Assessment On Road Projects Case Study Of Srinagar Ring Road	Urban Plannning	Shamal Mohamed	Dr Bigith Vb
8	ICRATESM_563217	Rejuvenation of Bazars- A Content Analysis in Middle Eastern Cities	Urban Plannning	Palak Varmani	Dr Ajay Kumar
9	ICRATESM_368425	Assessing the Impact and Response to the Disaster in Mananthavady Town: A Case Study	Urban Plannning	Dr.Bigith.V.B	Dr.Sooraj.G
10	ICRATESM_537698	ASSESSMENT OF MEGHALAYA'S LOGISTIC CORRIDOR AND WAREHOUSES FOR ESSENTIAL GOODS	Urban Plannning	bianca fedelia jyrwa	shubham goel

Day 2
Technical Session 4
2.16 PM – 5.00 PM
Track 1 : Computer Science / Electrical Engineering

SNo	Paper ID	Paper Title	Department	Author	Co Author
1	ICRATESM_194725	Optimizing Supply Chain Performance With Snowflake Data Warehouse	Data Science	Rupesh S. Neve	Dr. Amol Zade
2	ICRATESM_048	Automatic / Manual Solar Grass Cutter	CSE	Harshal	Rajendra
3	ICRATESM_053	Segmentation Of Sclera	CSE	Nikhil	Sanjay
4	ICRATESM_054	Event Recommendation System	CSE	Anushka	Amarnath
5	ICRATESM_055	Advertisement Portal And Facial Feature Extraction	CSE	Shatayu	Avinash
6	ICRATESM_056	A Literature Survey For Developing An Aadhaar Kiosk	CSE	Jay	Abhay
7	ICRATESM_057	A Composite Machine Learning Framework For Enhanced Prediction Of Breast Cancer	CSE	Dr. M. J. ABINASH	Dr. M. J. ABINASH
8	ICRATESM_058	Employee Health System Recognition Using Acumen Techniques In Data Mining	CSE	Dr. M. SORNALAKSHMI	Dr. M. SORNALAKSHMI
9	ICRATESM_059	A Survey Paper On Prediction Of Acute Coronary Syndrome Using Machine Learning Approach	CSE	MRS. SWATI	ANKIT
10	ICRATESM_060	Recent Advances And The Role Of Nanofluid In Solar (Pv/T) System	CSE	Fahim	Rahim

11	ICRATESM_042	Automatic Identification Of Forest Fire Accident	Electrical	Jitendra	Vaman
12	ICRATESM_045	Preventing Accidents In Road Highways Using Facial Tracking With Software Application	Electrical	Yash	Narendra
13	ICRATESM_049	Highly Enhance Bus Tracking System Using Recent Technologies	Electrical	Rushikesh	Pradeep
14	ICRATESM_050	Forecasting Water Demand In Agriculture Irrigation Using Lora Technology	Electrical	Sumit	Prakash
15	ICRATESM_052	Studies On Effect Of Current Density On Electrodeposited Copper Films For Electrostatic Air Cleaner	Electrical	Rajakumar	Sangappa
16	ICRATESM_805791	Rotor Position Sensing And Torque Control Strategy Of Switched Reluctance Motor Using Model Predictive Control	EEE	Jayshree D.Pawar	Dr Yogesh Pahariya

Track 2 : Civil Engineering/Architect & Urban Planning

SNo	Paper ID	Paper Title	Department	Author	Co Author
1	ICRATESM_693587	Sustainable Planning Strategies For "Community-Based Ecotourism Development" A Ooty Case Based Study	Urban Planning	Mokaddam Nikhil Moses	Dr. Ajay Kumar
2	ICRATESM_524706	Preparing Resilient Cities For A Post Pandemic World	Architecture	Charan Reddy	Manpreet Singh Saini
3	ICRATESM_650173	Walking Towards A Better Future: A Review Of Theories And Applications Of Walkability For Promoting Health, Equity, And Sustainability In Urban Environments	Urban Planning	Adnanuddin Mohammed	Dr Sooraj G
4	ICRATESM_108437	Development Control Regulation Strategies For Disaster Management – Case Study Gopalpur	Urban Planning	Avinash Patra	Vinod Singh Parmar
5	ICRATESM_043	Ancient Technics That Can Be Adopted In Current Construction Industry.	Civil	Shekar	Perumal
6	ICRATESM_046	Green Building- A Business Report Of The Cost And Benefits For Developers, Investors And Occupants	Civil	Rishabh	Arun
7	ICRATESM_047	Cooking Fuel From Bio Gas	Civil	Raj	Vishnu
8	ICRATESM_051	Smart And Intelligent Buildings	Civil	Avinash	Kamalakhar
9	ICRATESM_896134	Environmental Ethics & Evolution in Connection to Philosophy and Beliefs	Urban Plannning	Ar. Ranjeeta Potpose	Dr. Ajay Kumar

10	ICRATESM_147635	A Study Of Eco Tourism As A Possible Model For Sustainable Tourism Growth: East Khasi Hills.	Urban Plannning	Jevias R Marak	Ajay Kumar
11	ICRATESM_793248	Solid Waste Management Issues And Prospect: A Case Study Of Motihari (Bihar)	Architecture	Raushan Kumar	Dr.Bigith.V.B
12	ICRATESM_247396	"Planning And Design Strategies For The Enhancement Of Vehicular Traffic Movement, Gachibowli, Hyderabad"	Architecture	Gogana Prasanna Raj*,	Gogana Prasanna Raj*,

Thanks for participating in ICRATESM 23, request to share your valuable feedback form with us.,