



Atharva College of Engineering, Malad(West), Mumbai Recognized by Government of Maharashtra & Affiliated to University of Mumbai - Estd. 1999 - 2000)

ISO 2100:2018 ISO 14001:2015 ISO 9001:2015

NAAC Accredited with Grade A+

International Conference on Science, Technology, Engineering & Mathematics
for Sustainable Development (ICSTEMSD 2024- 2nd Edition)

ACE/Conference/FR/61/2023-2024

Date: 16/2/2024

Report of Day 2 on International Conference on Science Technology Engineering & Mathematics for Sustainable Development (ICSTEMSD 2024)

Day 2 of International Conference on Science Technology Engineering & Mathematics for Sustainable Development (ICSTEMSD 2024) was on February 16, 2024.

Second day started with parallel sessions of Paper and Poster presentation, and it was followed by Keynote session by Rajesh Vatsa, Senior Scientist BARC Mumbai. The speaker highlighted on significance of STEM in sustainable Development. He also focused on how STEM is basis for modern life. He enlightens us the use of Scientific and Engineering knowledge for practical purpose in everyday life.

The Second keynote speaker for the day was Dr. Navin Chandra Shimpi, Professor Department of Chemistry, University of Mumbai. He highlighted on Synthesis of novel nano structures and their applications and its importance in the sustainability of Environment

Day 2 ended with Award ceremony of Paper and Poster Category for Faculty as well as students.

Director Dr, P. N. Nemade shared encouraging words with all researchers. Vote of Thanks was given by Conference Organizing Chair Dr. Ritu Sharma.

230 papers were presented in parallel sessions on day 1 and day 2 by students and faculty members. 27 Posters were presented by 106 students.

The results of the winners are as follows:

Poster Winners:

Position	Name of the Participant	Department	Title
1	Shamit Shetty, Om Vishwakarma, Ayush Salian, Sakthivel Nadar	ETRX/ECS	Virtus 2.0 AIML Model
2	Jai Solanki, Sarthak Tapare, Advait Chavale, Soham Rane	Ground Station Team	Balloon Transmitter
3	Adoitya Nipdhadkar, Manan Kotecha, Sunil Kadam, Parv Parikh	Electrical	Dynamic Charging

Paper Winners:

Students:

Position	Paper ID	Title of the Paper	Authors
1	79	Design and development of context sensitive dictionary (CSD) using computational linguistic approach	Shravani Sawant, Aditya Shinde, Vinayak Utekar
	99	Skin Disease Detection using Convolutional Neural Network	Sonia Ashok Mohanty, Harshika Mhaske, Rishikesh Nikale, Anshul Patel, Anagha Dhavalikar
2	1	Smart Wearable for Blind People	Shruti Jha, Neel Shinde, Nagendran Shetty, Kavita Bani
	109	Battlefield Awareness using IoT in Network Centric Warfare : Soldiers Health Integration for Enhanced Location Deployment (SHIELD) System	Priyanka Mane
3	147	"JEEVAN" - Your personal health assistant	Sanya Shaikh, Atharv Shirke, Simran Singh, Dr. Jyoti Mali
	172	Smart UV Sanitization Dispenser	Sanket Rajam, Yuvraj Bagul, Pruthvi Jadhav, Ambar Bhosle, Sangeeta Kotecha

Faculty Members:

Department	Paper Id	Title of the Paper	Authors
HAS	194	Electrochemical Properties of Magnetic Supercapacitor Co _{0.9} Ni _{0.1} Fe ₂ O ₄ Electrode Prepared by Hydrothermal Method	Dr. Abhishek Kakade, Dr. S. B. Kulkarni
	103	Impact of Digital Technologies on LSRW Proficiency in Language Learning	Dr. Ritu Sharma, Dr. Kavita Bani
EXTC	43	To study NLMS Algorithm for adaptive echo cancellation	Sandip Zade, Mohan Kumar, Vivek Ramakrishnan
	27	Analyzing and positioning the joint movements and controlling the angular position to achieve a half squat - sit and rise motion while minimizing the risk of fall for a humanoid robot	Dr. Bhavin C. Shah, Prof. Mohan Kumar, Dr. Vivek Ramakrishnan Savithri, Prof. Sandip Zade
ECS	56	Unveiling the Future of Internet of Things (IoT): Applications and Market Trends	Dr. Kavita Piyush Bani, Dr Ritu Sharma
CMPN	48	Bridging the Gap: Data Science empowers Patients through Personalized Healthcare Experiences	Aswathy s

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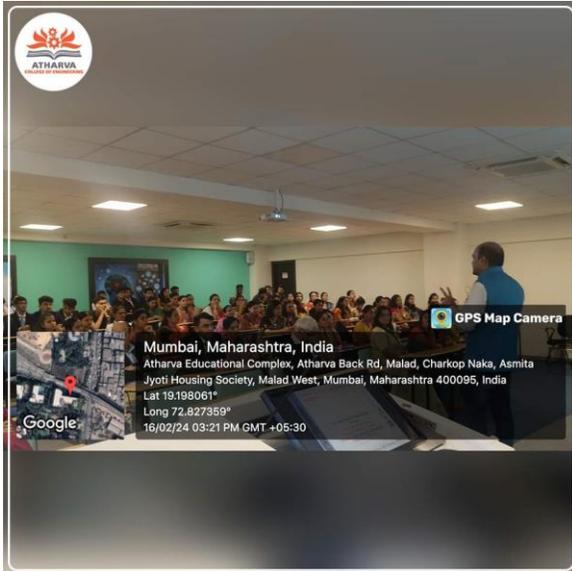
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ELEC	190	A multi objective approach for optimal positioning of sectionalizers in Distribution N	Sakthibala Danapal, Prajakta Borole, Tushar surwadkar, Ranjith Kumar
INFT	266	Role Based Access Control in Healthcare : Review	Deepali Maste, Dr Leena Ragma

Glimpses of the Day 2 of the conference:





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Dr. Ritu Sharma
Conference Organizing Chair


Dr. Ramesh Kulkarni
Principal- ACE