A Report of One Day Workshop on

"Sustainable Technologies for Wastewater Treatment"

Organised by

Sarvajanik College of Engineering and Technology in Collaboration with Parul University

Jointly with

L&T-S&L, NASSCOM, NIRVEDHA-Tech and University of Surrey

Date:13thApril 2023(Thursday) Time: 9:00AM-4:00 PM

Venue: N.J.Seminar Hall, Sarvajanik College of Engineering and Technology, Surat



Coordinators:

Dr.Mehali Mehta

Associate Professor Civil Engineering Department Sarvajanik College of Engg. & Tech., Sarvajanik University

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Dr. Shivendu Saxena

Assistant Professor Chemical Engineering Department Parul Institute Technology, FET Parul University

Dr. Unnati A. Joshi

Director Research and Professor, Parul Institute of Engineering and Technology, FET Parul University.

Dr.Vishal Kumar Sandhwar

Head & Assistant Professor Chemical Engineering Department Parul Institute Technology, FET Parul University

Co-cordinators:

Prof. Mitali Shah

Assistant Professor

Civil Engineering Department

Sarvajanik College of Engg. & Tech.,

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Committee Members

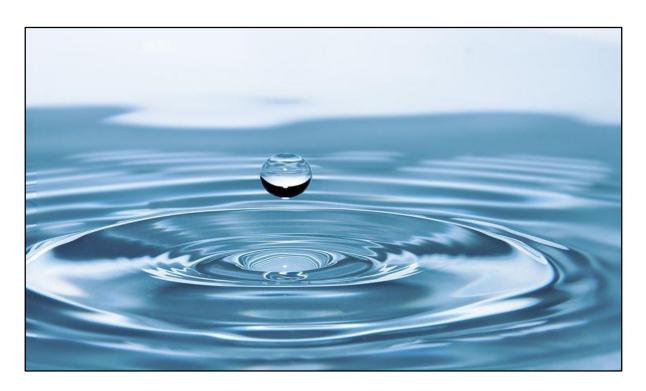
Prof. Ankita Parmar Prof. Hemali Jardosh

Assistant Professor

Civil Engg. Department

Sarvajanik College of Engg. & Tech.,

Sarvajanik University



Details	Timings (IST)
Registration at N.J. Seminar Hall, SCET and Breakfast	9:00 AM-9:20 AM
Welcome of the Dignitaries, Floral Greetings and Lightning of Lamp	9:20 AM-9:30 AM
Welcome speech by Principal Dr. Hiren Patel, SCET	9:30 AM-9:35 AM
About Workshop by Dr. Mehali Mehta, SCET	9:35 AM-9:40 AM
Address by Dr. Arvind Yadav, Team Lead, PU	9:40 AM-9:45 AM
Address by Dr. P.G.K. Murthy, Project In Charge	9:45 AM-9:50 AM
Blessing from Chairman's Representative Shri Yatish Parekh, SCET	9:50 AM-9:55 AM
Vote of thanks by Dr. Jigar Sevalia, Head, CED, SCET	9:55 AM-10:00 AM
Session:1 – Role of Water and Wastewater treatment in Environmental Sustainability Resource person: Dr. Jignasa Oza	10:00 AM-11:30 AM
Session:2 – Smart Neno Materials for Wastewater Treatment Resource person: Dr. Vineet Kumar Rathore	11:40 AM-1:00 PM
Lunch Break	1:00 PM-2:00 PM
Session:3 – Sustainable Technologies Practised by Surat Municipal Corporation for Wastewater Treatment Resource person: Er. Bhairav Desai	2:00 PM-3:15 PM
High Tea	3:15 PM-3:30 PM
Valedictory Function	
Reflections by Dr. Unnati Joshi, Research Director, PIET and Member of the Project on Smart Cities	3:30 PM-3:35 PM
Impressions of Participants	3:35 PM-3:40 PM
Certificate Distribution	3:40 PM-3:50 PM
Vote of Thanks by Dr. Arvind Yadav, PU	3:50 PM-4:00 PM



About the Current Workshop on "Sustainable Technologies for Wastewater Treatment" on 13th April 2023 (Thursday)

Nowadays, water pollution and freshwater scarcity have become a serious problem worldwide, causing concerns to both public health and the environment. To reduce these challenges, various treatment technologies have been adopted. Among these technologies, membrane, nanotechnology and biotechnology-based advanced techniques are usually applied separately or in combination for water and wastewater treatment. This workshop focuses on new and emerging technologies for the sustainable removal of pollution-causing constituents during water and wastewater treatment. This workshop will offer a timely opportunity for knowledge exchange among professionals and students to support the formulation of an efficient sustainable wastewater treatment agenda.

About Speaker:

Dr.JignasaOza



Head, Regional Office, GPCB (Gujarat Pollution Control Board), Surat. 27 years of experience in Environment field, Initiated plantation awareness program in School and colleges

Dr. Vineet Kumar Rathore



Dr. Vineet Kumar Rathore is currently working as an Assistant Professor at the Department of Chemical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat (Gujarat) India since last 3 years. He completed his PhD from Indian Institute of Technology Roorkee, Roorkee, India in 2018. He is having good knowledge of water treatment technologies and sustainability assessment of the process. He has several publications in highly reputed international journals, participated in several international conferences and authored a couple of book chapters.

Er. Bhairav Desai



Executive Engineer, Surat Municipal Corporation, Surat. 20 yearsof experience in City Management, Strategic planning and technical area in different activities of Water recourses, Sewerage, flooding, storm drainage and Solidwaste management

About The Expert Lectures:

Title: Role of Wastewater Treatment in Environmental Sustainability

Expert: Dr. Jignasa Oza, Head, Regional Office, GPCB (Gujarat Pollution Control Board), Surat

The lecture covered the current scenario of industries within and out skirt of Surat city in last decade. Also narrated the pollution potential of industrial clusters and treatment options available to control industrial water pollution. It also covered the practices carried out by Gujarat Pollution Control Board (GPCB) towards sustainability. Expert has highlighted the various awareness programme handled by GPCB officials in various zones.

Title: Smart Nano Materials for Wastewater Treatment

Expert: Dr. Vineet Kumar Rathore, Assistant Professor, Department of Chemical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat.

The lecture covered the Nanotechnology potential to play a significant role in environmental protection and sustainability by enabling new and improved methods for monitoring, cleaning up, and mitigating environmental pollutants. It can also help to reduce resource consumption and energy use through the development of more efficient technologies. Also highlighted research on Nanomaterials for wastewater treatment.

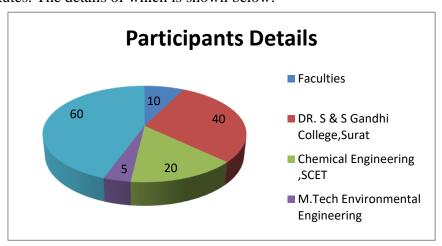
Title: Sustainable Technologies practiced by Surat Municipal Corporation for Waste Water Treatment.

Expert: Mr. Bhairav Desai, Executive Engineer (Drainage), Surat Municipal Corporation, Surat

The lecture was focused on sustainable waste management in Surat city practices by Surat Municipal Corporation (SMC) which included Surat Municipal Corporation (SMC) has converted the wastewater generated in the city into the resource, thereby reducing dependency on fresh water resources & creating TWW as an economic resource, Surat Municipal Corporation has started reuse of TWW in various non-potable purpose like Industrial use, Rejuvenation of Lakes, Agriculture – Mass plantation, Sewer cleaning, Gardening, Traffic Circles, Road dividers and such services through direct service line as well as Tanker Filling Station etc.

Participants:

Around 135 students from Civil engineering, Chemical engineering, Master of Environmental Engineering and Master of Town and Country Planning, SCET College, Dr. S. & S. S. Gandhi Government Engineering College and Pacific Engineering College had registered themselves as participants. Many faculty members had also registered in the workshop from SCET and other Institutes. The details of which is shown below:



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-	1		Organization	Sign
-	-	Prof. (Dr.) Swati Sharma Dr. Ashish Desai	SCET, Surat	tharm
-	2		Sarvajanik College of Engineering & Technology	DWD.
-	4	Dr. Yogesh Rotliwala Dr. Jayesh A. Shah	Pacific School of Engineering	Patri
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84	Ragini Patil	Sarvajanik college of engineering and technology	
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89	Rajvi Jariwala	SCET	
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91	Malay tamakuwala	Scet	
192	Kunj patel	kunipatel.civil21@scet.ac.in	Orling
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99	Khushbu Bharatbhai Patel	SCET	
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102	Patel Khushi Dhirubhai	DR. S & S.S.Ghandhi Govt. Engg. College Surat	
103	Sakshi Gupta	DR. S & S.S.Ghandhi Govt. Engg. College Surat	
104	Yadav Jaimini Vikramsinh	DR. S & S.S.Ghandhi Govt. Engg. College Surat	
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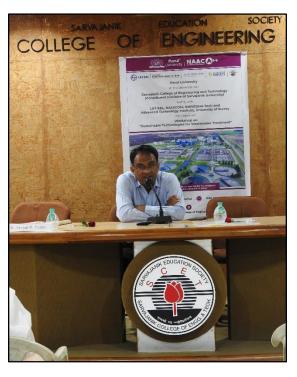








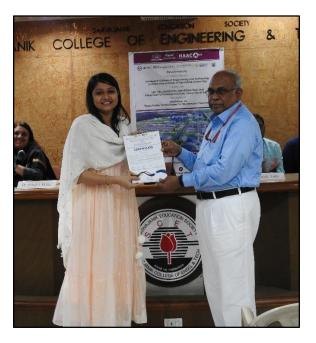
























Acknowledgement:

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