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AISHE Code : C-11165

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**SANJEEVAN**

GROUP OF INSTITUTIONS, PANCHALA

Sanjeevan Knowledge City, Somwar Peth-Injole, Panchala, Tal. Panchala, Dist. Kolhapur.  
Pin- 416 201 (Maharashtra) Phone : 9146999500

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Permanent Affiliation by Dr. Babasaheb Ambedkar Technological University, Raigad  
Affiliated to Shivaji University, Kolhapur, MSUTE, Mumbai.

Date :- 16-01-2025

To

The Principal,

Sanjeevan Group of Institutions,

Panchala, Kolhapur.

Sub: Organizing 5 days faculty Development program of Energy & Environmental Engineering

Respected sir,

We, Ms. Sameena A. Sayyad & Mr. Parvej D. Dhalait Assistant professor of Department of Basics Science & Humanities, propose to organize 5 days faculty Development program of Energy & Environmental Engineering from 3th Feb to 7th Feb, 2025.

We request you to kindly grant permission to organize the same. Herewith the list of resource person with their topics of the program is submitted for your kind perusal.

Thanking You

*Sameena A. Sayyad*

Sameena A. Sayyad

Asst. Professor (Chemistry)

B. S. & H

*Permitted*  
*16/1/25*

*Parvej D. Dhalait*

Parvej D. Dhalait

Asst. Professor (Chemistry)

B. S. & H



*Sudhir P. Nangare*

Sudhir P. Nangare

HOD

B. S. & H

Head of Department  
Basic Sciences & Humanities (Degree)  
Sanjeevan Group of Institutions,  
Somwar Peth - Panchala, Dist. Kolhapur, 416201



#### DR. V. K. SANGAL

Associate Professor,  
Maalaviya National Institute of Technology, Jaipur.

#### Session Topics:

- Sustainable Waste Management :  
Reuse Of Industrial Waste For Wastewater Treatment.

#### Dr. ZAKIR HUSSAIN RATHER

Assistant Professor,  
Indian Institute of Technology Bombay.

#### Session Topics:

- Renewable Energy Generation Technology And  
Its Grid Integration

#### Dr. M. M. KHOT

Assistant Professor  
Walchand College Of Engineering Sangli

Session Topics : Optimization Technique

#### Prof. N. S. Jadhav

Assistant Professor  
Sanjeevan Group of Institutions, Panhala. (SGI)

Session Topics : Efficient Utilization Of Conventional Energy  
And New Trends In Renewable Energy

#### Dr. G. R. MUNAVALLI

Associate Professor  
Walchand College Of Engineering Sangli

#### Session Topics:

- Energy And Technology In Wastewater Treatment

#### Dr. S. S. SALVI

Assistant Professor  
Pimpri Chinchwad College Of Engineering And Research

#### Session Topics:

- Solid Waste Management

#### Registration :

- Faculty/ Ph.D. Scholars are eligible to attend the program.
- Following link to join WhatsApp Group -

<https://chat.whatsapp.com/L3Niqw8Gtji4HH4ALHSN13>

#### Mode of Conduct :

- The FDP conducted online using google meet platform

#### Fee Details :

- Registration fee: 200/- (For Certificate)
- Scan here for Payment.



#### Important Dates :

- Last date for registration: 3<sup>rd</sup> February 2024.
- Program Duration: 3<sup>rd</sup> February 2025 to 7<sup>th</sup> February 2025.

### DEPARTMENT OF BASIC SCIENCE & HUMANITIES

#### ▪ Contact Details ▪

#### Ms. S. A. Sayyad

Contact No. 9156047336

Mail: [sameena.sayyad@SGI.edu.in](mailto:sameena.sayyad@SGI.edu.in)

#### Mr. P. D. Dhalait

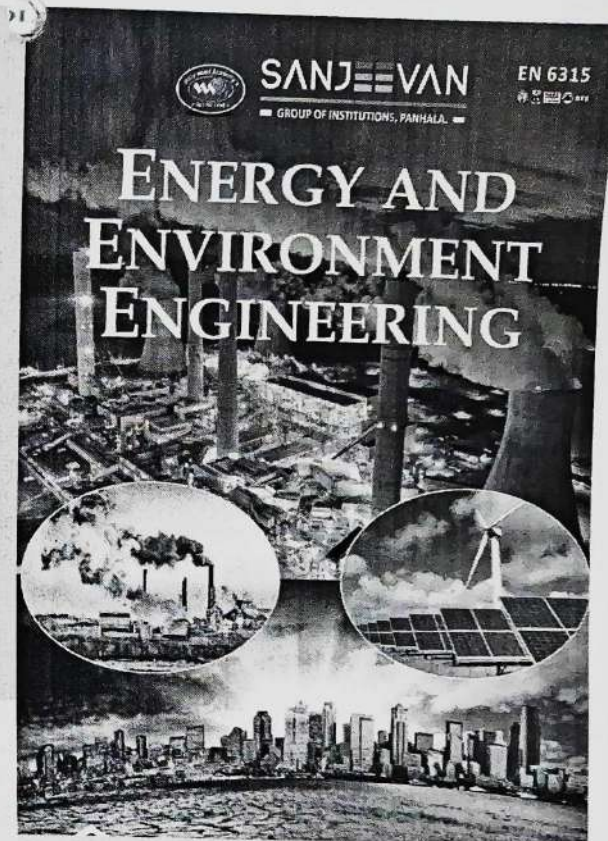
Contact No. 8308029009

Mail: [parvej.dhalait@SGI.edu.in](mailto:parvej.dhalait@SGI.edu.in)



## SANJEEVAN

GROUP OF INSTITUTIONS, PANCHALA.



### ONE WEEK ONLINE FACULTY DEVELOPMENT PROGRAM

February 3<sup>rd</sup> to 7<sup>th</sup> 2025.

Organized by  
Department of Basic Science & Humanities.

## SANJEEVAN

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Sonwar Peth, Panhala, Dist. Kolhapur-416201 (Maharashtra-India)

• [admission@SGI.edu.in](mailto:admission@SGI.edu.in) • [www.seti.ac.in](http://www.seti.ac.in) • [www.sanjeevan.edu.in](http://www.sanjeevan.edu.in)



## About SGI :

Sanjeevan Group of Institutions Panhala is an educational hub. meets the needs of technology driven modern 21<sup>st</sup> Century. The Institute is approved by All India Council for Technical Education, New Delhi, recognized by Directorate of Technical Education, Govt. of Maharashtra and affiliated to Dr. Babasaheb Ambedkar Technological University Lonere (DBATU). SGI is long cherished dream of Founder-Chairman Mr. P. R. BHOSALE, an Educationalist having experience about three decades. His aim is to impart quality education to the students from nook and corner of the country. No doubt, Sanjeevan Engineers will be the best professionals with added values of Indian Heritage.

### Vision :

- ★ To be institution of excellence by imparting quality education & transforming students into competent professionals with societal relevance.

### Mission :

- ★ To practice innovative & outcome based teaching learning process.
- ★ To imbibe conducive research ambience towards developing environment friendly engineering solutions.
- ★ To strengthen the interaction with industries for research, internship, employment opportunities & promoting entrepreneurial skills.
- ★ To accelerate equitable & harmonious development of stakeholders.



### ▪ Chief Patron ▪

**Mr. P. R. Bhosale**

Chairman, Sanjeevan Group of Institutions, Panhala.

### ▪ Patron ▪

**Mr. N. R. Bhosale**

Joint secretary, Sanjeevan Group of Institutions, Panhala.

### ▪ Principal ▪

**Dr. S. N. Jain**

Sanjeevan Group of Institutions, Panhala.

### ▪ Program Director ▪

**Mr. S. P. Nangare**

HOD of BSH Dept. SGI

### ▪ Program Coordinator ▪

**Ms. S. A. Sayyad**

Asst. Prof. of Chemistry, SGI

### ▪ Program Co-coordinator ▪

**Mr. P. D. Dhalait**

Asst. Prof. of Chemistry, SGI



## About FDP :

The Department of Basic Science & Humanities is organizing 5 days FDP program on Energy & Environment Engineering. This FDP will give a path for developing research skills & better understanding of recent research. Enlighten with the most widely used advanced technologies in Energy Environment Engineering.

### Specific Objective:

- To develop sustainable infrastructure by providing solutions to acute problems in energy security.
- To integrate the efforts of scientists and engineers working with different aspects of green energy.
- Environmental engineers seek solutions to environmental challenges that impact the health and well-being of society and the environment.
- To acquire technical skills by environmental engineers are to be used to develop strategies and technologies to treat and protect the quality of air, water and earth.

### Outcome:

- Gain a comprehensive understanding of sustainable infra practices.
- Enhance thinking & creativity in order to develop innovative solutions to complex green energy problems.
- Participants will learn to work effectively with professionals from various disciplines to develop environmental solutions.



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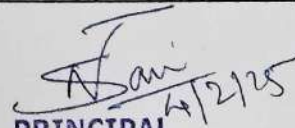
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○ Affiliated to Shivaji University, Kolhapur., MSBTE, Mumbai.

### FDP SCHEDULE

Date	Name	Designation	Organization	Topic	Time
3/2/2025	Dr. V. K. Sangal	Associate Professor	Malvia National Institute of Technology, Jaipur, Rajasthan.	Sustainable waste Management (Reuse of Industrial Waste for Wastewater Treatment)	11:00 AM to 1:00 PM
4/2/2025	Dr. Zakir Hussain Rather	Assistant Professor	Indian Institute of Technology, Bombay, Powai.	Renewable Energy Generation technology & Its Grid integration	11:00 AM to 12:00 PM
	Mr. R. S. Dhalait.	Assistant Professor	Walchand College of Engineering College in Sangli, Sangli	Energy Recovery Systems	12:00 PM to 1:00 PM
5/2/2025	Dr. M. M. Khot	Assistant Professor	Walchand College of Engineering College in Sangli, Sangli	Optimization Technique	11:00 AM to 12:00 PM
	Mr. N.S.Jadhav.	Assistant Professor	Sanjeevan Group of Institutions, Panhala, Kolhapur.	Fuel cells future of world	12:00 PM to 1:00 PM
6/2/2025	Dr. S.S. Salvi	Assistant Professor	Pimpri Chinchwad College Of Engineering, Pune.	Solid waste Management	11:00 AM to 1:00 PM
7/2/2025	Dr. G.R.Munavalli	Associate Professor	Walchand College of Engineering College in Sangli, Sangli	Energy & Technology in Waste Water Treatment	11:00 AM to 1:00 PM

  
Head of Department  
Basic Sciences & Humanities (Degree)  
Sanjeevan Group of Institutions,  
Somwar Peth - Panhala, Dist-Kolhapur, 416201



  
PRINCIPAL  
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Dist. Kolhapur - 416 201 (M.S.)



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## DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

### Faculty Development Program – 2025

On

### "Energy and Environment Engineering"

03-02-2025 to 07-02-2025

### Inaugural Function Schedule

Sr. No.	AGENDA		TIME
1	Welcome Note	05 Min	10:45 to 10:50
2	Welcome Address by Convener Mr. S. P. Nangare	05 Min	10:50 to 10:55
3	Welcome Speech by Principal Dr. S. N. Jain	05 Min	10:55 to 11:00

Dr. S. N. Jain

Principal

PRINCIPAL

Sanjeevan Group Of Institutions  
(Degree Engg.), Somwarpeth, Panhala,  
Tal. Panhala, Dist. Kolhapur - 416 201 (M.S.)





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## Report on Faculty Development Program

**Title -** Energy & Environment Engineering

**Date –** 03/02/2025

**Venue -** virtual

**Organized by -** Department of Basic Sciences and Humanities

**Guest Speaker -** Dr. V. K. Sangal

The Department of Basic Science & Humanities at Sanjeevan Group of Institutions successfully organized a Faculty Development Program (FDP) on **Energy & Environment Engineering in virtual mode**. The program commenced with an **inaugural session**, followed by an **introductory and motivational speech** by **Mr. Sudhir P. Nangare (HOD of BSH, SGI)** and **Dr. Sanjeev N. Jain (Principal of SGI)**. Their insightful words set the tone for an engaging and informative session.

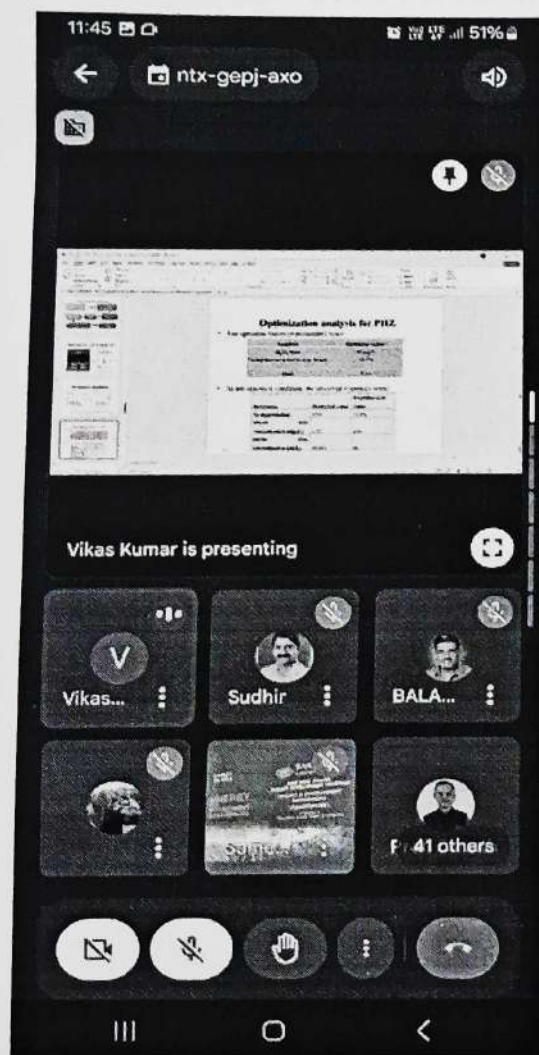
Following the inaugural session, an enlightening session on **Sustainable Waste Management (Reuse of Industrial Waste for Wastewater Treatment)** was conducted on [Date], from **11:00 AM to 1:00 PM** in **virtual mode**. The session was delivered by **Dr. V. K. Sangal, Associate Professor, Malviya National Institute of Technology (MNIT), Jaipur, Rajasthan**.

Dr. Sangal provided deep insights into sustainable waste management practices, emphasizing the innovative reuse of industrial waste for wastewater treatment. He discussed various industrial by-products that can be effectively repurposed to minimize environmental pollution and reduce the strain on natural water resources. The session covered case studies, practical implementations, and emerging technologies that promote eco-friendly waste treatment solutions.

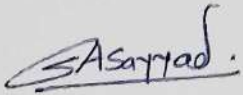
The interactive nature of the session allowed participants to engage in thought-provoking discussions, fostering knowledge-sharing and collaborative learning. Faculty members from various disciplines actively participated and gained valuable understanding of integrating sustainable waste management techniques into academic and research activities.

The session concluded with a Q&A segment, where Dr. Sangal addressed queries regarding industrial waste applications, regulatory policies, and potential challenges in wastewater management. The participants highly appreciated the depth of knowledge and practical relevance of the topic.

Overall, the session was an enriching experience, contributing significantly to faculty development in the field of sustainable environmental engineering. The department extends sincere gratitude to **Dr. V. K. Sangal** for his valuable time and expertise, as well as to **Mr. Sudhir P. Nangare** and **Dr. Sanjeev N. Jain** for their motivating words and leadership in making this event a success.







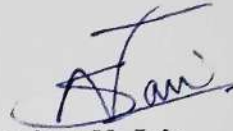
Sameena A. Sayyad  
Assistant Professor  
(Coordinator 1)  
Department of Basic Science  
& Humanities  
Sanjeevan Group of Institutions



Parvej D. Dhalait  
Assistant Professor  
(Coordinator 2)  
Department of Basic Science  
& Humanities  
Sanjeevan Group of Institutions



Sudhir P. Nangare  
Head of Department  
Department of Basic Science  
& Humanities  
Sanjeevan Group of Institutions



Dr. Sanjeev N. Jain  
Principal  
Sanjeevan Group of Institution

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## Report on Faculty Development Program

**Title -** Energy & Environment Engineering

**Date -** 04/02/2025

**Venue -** virtual

**Organized by -** Department of Basic Sciences and Humanities

**Guest Speaker -** Dr. Zakir Hussain Rather & Mr. R. S. Dhalai

The Department of Basic Science & Humanities at Sanjeevan Group of Institutions successfully conducted the **second day** of the Faculty Development Program (FDP) on **Energy & Environment Engineering** in **virtual mode**. The day featured two insightful sessions, each addressing key topics in the field of sustainable energy.

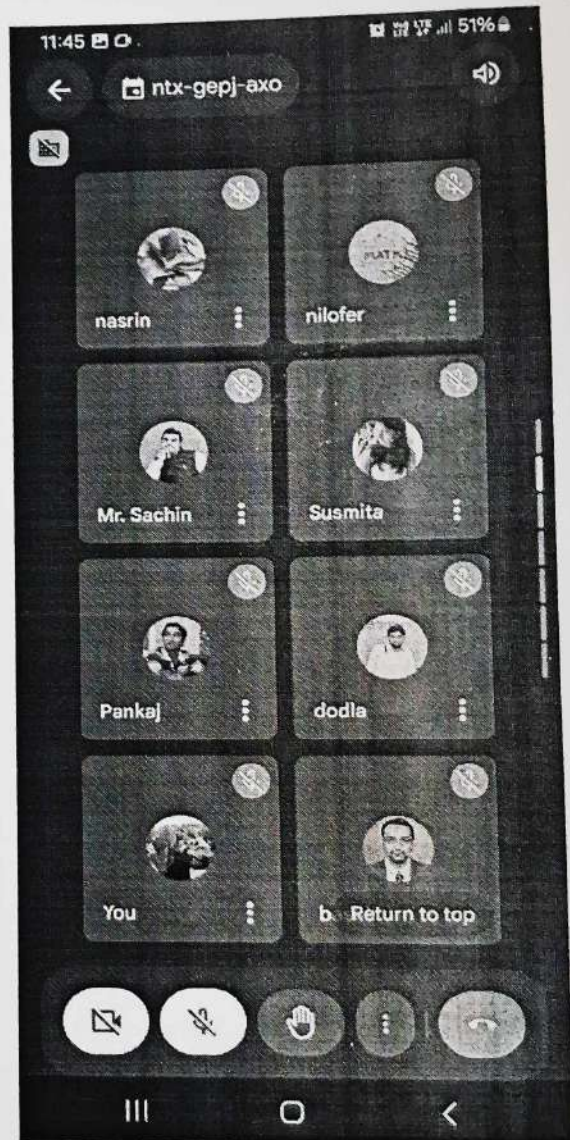
The **first session**, held from **11:00 AM to 12:00 PM**, was conducted by **Dr. Zakir Hussain Rather** (Assistant Professor, Indian Institute of Technology, Bombay, Powai). The session focused on **Renewable Energy Generation Technology & Its Grid Integration**, providing participants with a comprehensive understanding of modern renewable energy technologies and their seamless integration into the power grid. Dr. Rather elaborated on various energy sources, grid management techniques, and the challenges in achieving a stable and sustainable energy supply.

The **second session**, held from **12:00 PM to 1:00 PM**, was delivered by **Mr. R. S. Dhalait** (Assistant Professor, Walchand College of Engineering, Sangli). He presented an engaging lecture on **Energy Recovery Systems**, highlighting innovative methods for energy conservation and utilization. The session covered various recovery techniques, applications in industrial sectors, and strategies for optimizing energy efficiency.

Both sessions were highly interactive, with faculty members actively participating in discussions and Q&A segments. The speakers provided valuable insights, equipping participants with practical knowledge to integrate into their academic and research endeavors.

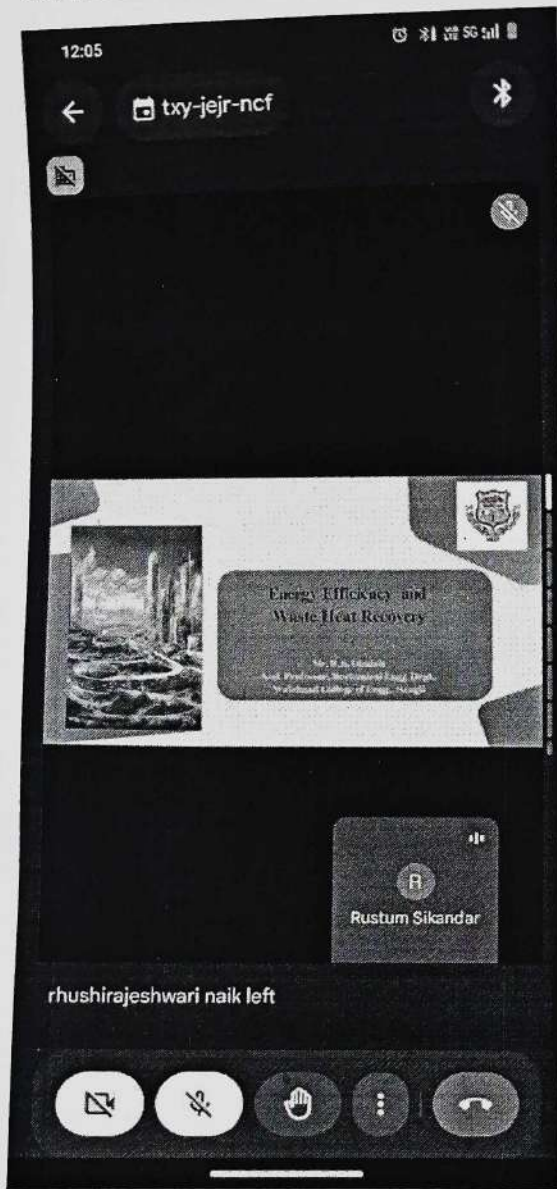
The department extends sincere gratitude to **Dr. Zakir Hussain Rather** and **Mr. R. S. Dhalait** for their expertise and time, contributing significantly to the success of the program. The FDP continues to serve as a platform for knowledge exchange and professional development in the field of energy and environmental engineering.

### Session 1





## Session 2



**Sameena A. Sayyad**  
**Assistant Professor**  
**(Coordinator 1)**  
**Department of Basic Science**  
**& Humanities**  
**Sanjeevan Group of Institutions**

**Parvej D. Dhalait**  
**Assistant Professor**  
**(Coordinator 2)**  
**Department of Basic Science**  
**& Humanities**  
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## Report on Faculty Development Program

**Title -** Energy & Environment Engineering

**Date -** 05/02/2025

**Venue -** virtual

**Organized by -** Department of Basic Sciences and Humanities

**Guest Speaker -** Dr. M. M. Khot & Mr. N. S. Jadhav

The Department of Basic Science & Humanities at Sanjeevan Group of Institutions successfully conducted the **Third day** of the Faculty Development Program (FDP) on **Energy & Environment Engineering** in **virtual mode**. The day featured two insightful sessions, each addressing critical topics in the field of energy and optimization.

The **first session**, held from **11:00 AM to 12:00 PM**, was conducted by **Dr. M. M. Khot** (Assistant Professor, Walchand College of Engineering, Sangli). The session focused on **Optimization Techniques**, providing participants with an in-depth understanding of various optimization methods, their applications in engineering, and their role in improving system efficiency. Dr. Khot elaborated on mathematical models, algorithms, and real-world case studies to illustrate the practical significance of optimization.

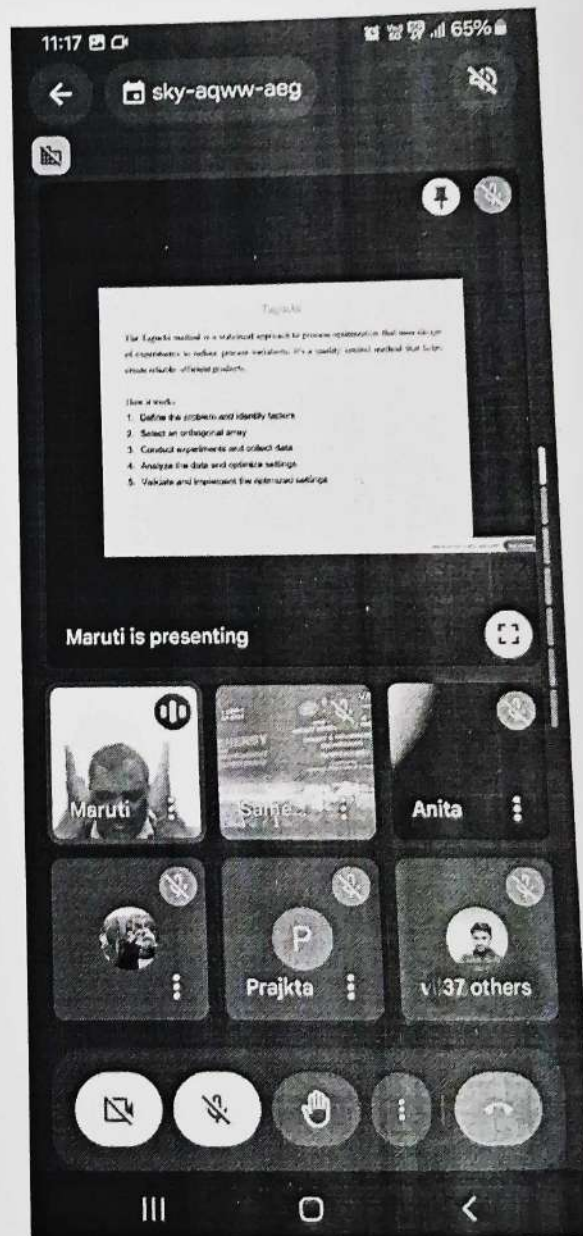
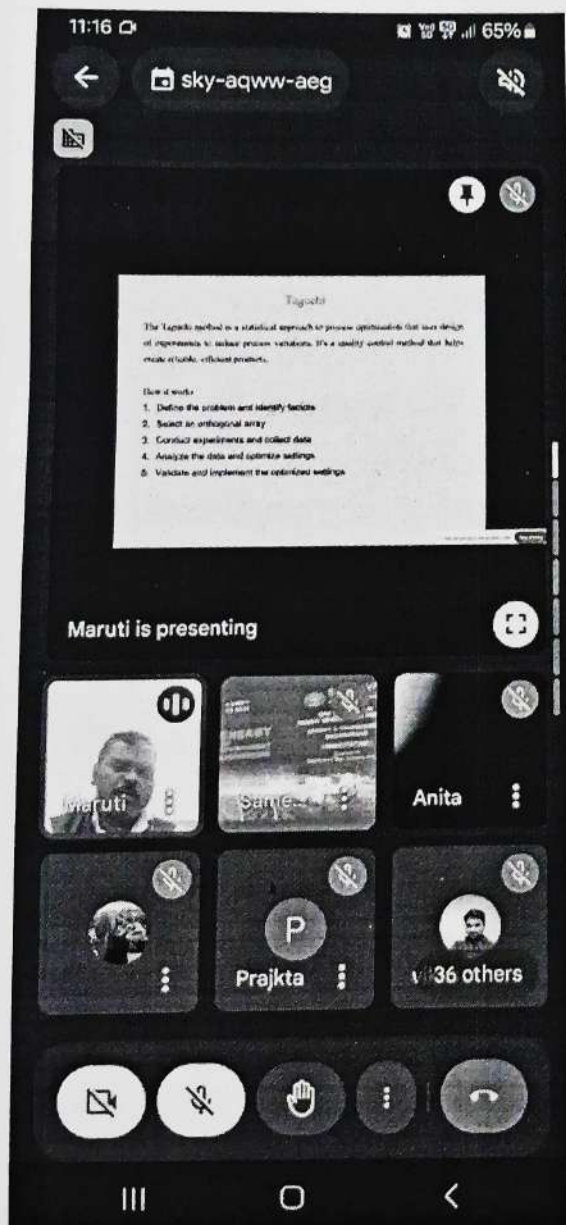
The **second session**, held from **12:00 PM to 1:00 PM**, was delivered by **Mr. N. S. Jadhav** (Assistant Professor, Sanjeevan Group of Institutions, Panhala, Kolhapur). He presented an engaging lecture on **Fuel Cells – Future of the World**, emphasizing the importance of fuel cell technology in sustainable energy production. The session covered different types of fuel cells, their working principles, advantages over conventional energy sources, and their potential applications in various industries.

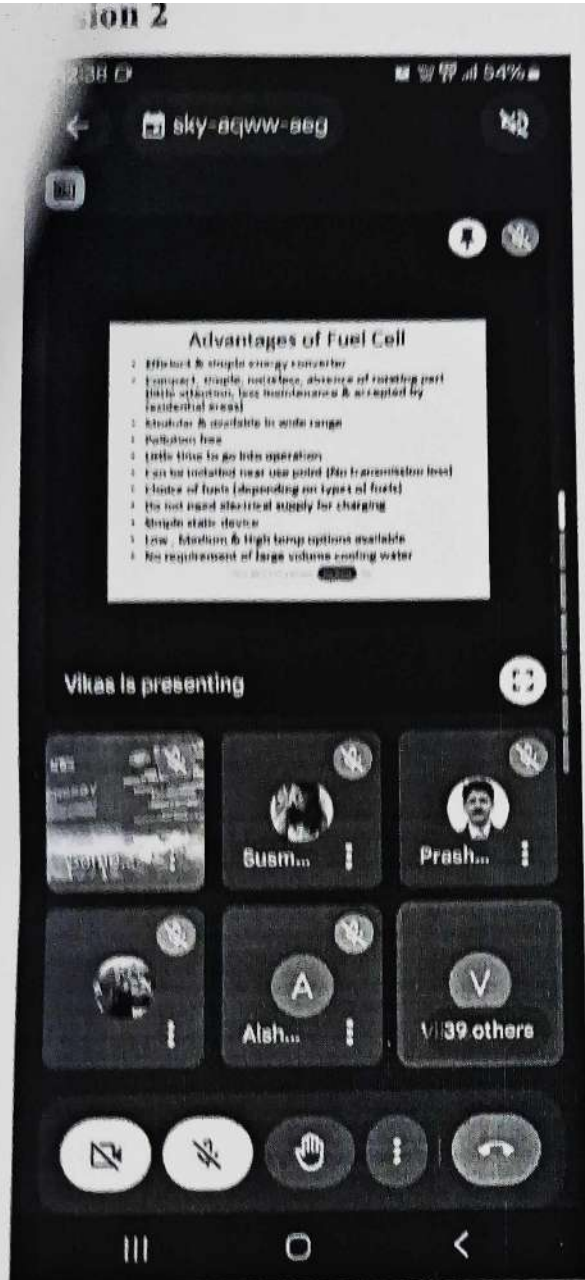


Both sessions were highly interactive, with faculty members actively participating in discussions and Q&A segments. The speakers provided valuable insights, equipping participants with practical knowledge to integrate into their academic and research endeavors.

The department extends sincere gratitude to **Dr. M. M. Khot** and **Mr. N. S. Jadhav** for their expertise and time, contributing significantly to the success of the program. The FDP continues to serve as a platform for knowledge exchange and professional development in the field of energy and environmental engineering.

### Session 1





*Sameena A. Sayyad*

**Sameena A. Sayyad**  
**Assistant Professor**  
**(Coordinator 1)**  
**Department of Basic Science**  
**& Humanities**  
**Sanjeevan Group of Institutions**

*Parvej D. Dhalait*

**Parvej D. Dhalait**  
**Assistant Professor**  
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## Report on Faculty Development Program

**Title -** Energy & Environment Engineering

**Date -** 06/02/2025

**Venue -** virtual

**Organized by -** Department of Basic Sciences and Humanities

**Guest Speaker -** Dr. S.S. Salvi

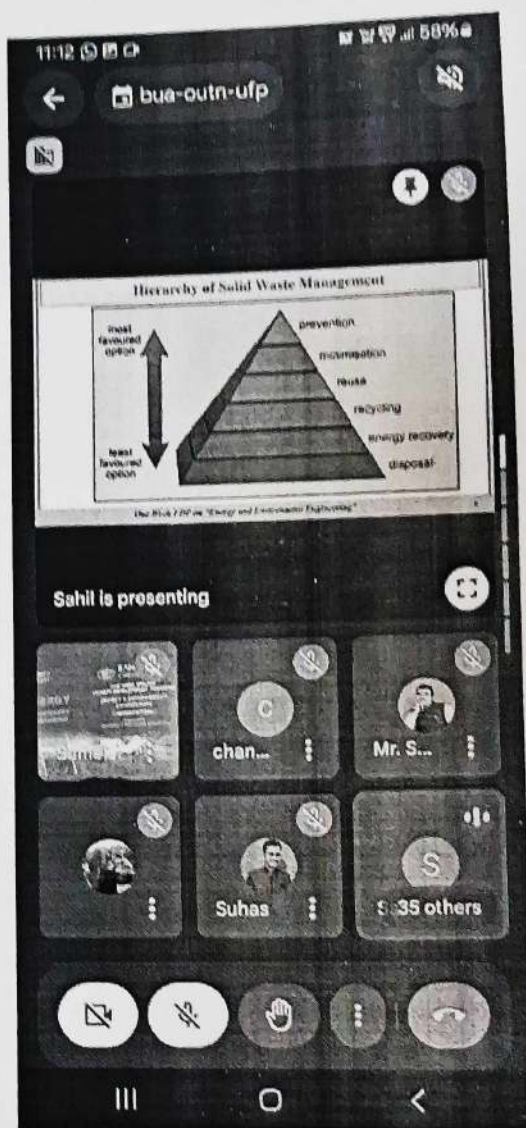
The Department of Basic Science & Humanities at Sanjeevan Group of Institutions successfully conducted the **Fourth day** of the Faculty Development Program (FDP) on **Energy & Environment Engineering** in **virtual mode**. The session for the day focused on a crucial environmental issue, **Solid Waste Management**, and was conducted from **11:00 AM to 01:00 PM** by **Dr. S. S. Salvi** (Assistant Professor, Pimpri Chinchwad College of Engineering, Pune).

Dr. Salvi provided valuable insights into the various aspects of solid waste management, emphasizing sustainable disposal methods and the importance of recycling and reuse. The session covered key topics such as waste segregation, treatment techniques, waste-to-energy conversion, and the role of government policies in effective waste management. He also discussed real-world case studies showcasing innovative waste management practices implemented in different regions.

The session was highly interactive, encouraging faculty members to participate in discussions and share their perspectives on improving waste management strategies. Dr. Salvi's expertise and engaging delivery made the session highly informative and beneficial for the participants.

The department extends its sincere gratitude to **Dr. S. S. Salvi** for sharing his expertise and contributing to the success of the FDP. The program continues to provide an excellent

platform for knowledge exchange and professional growth in the field of energy and environmental engineering.



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## Report on Faculty Development Program

**Title -** Energy & Environment Engineering

**Date -** 07/02/2025

**Venue -** virtual

**Organized by -** Department of Basic Sciences and Humanities

**Guest Speaker -** Dr. G.R.Munavalli

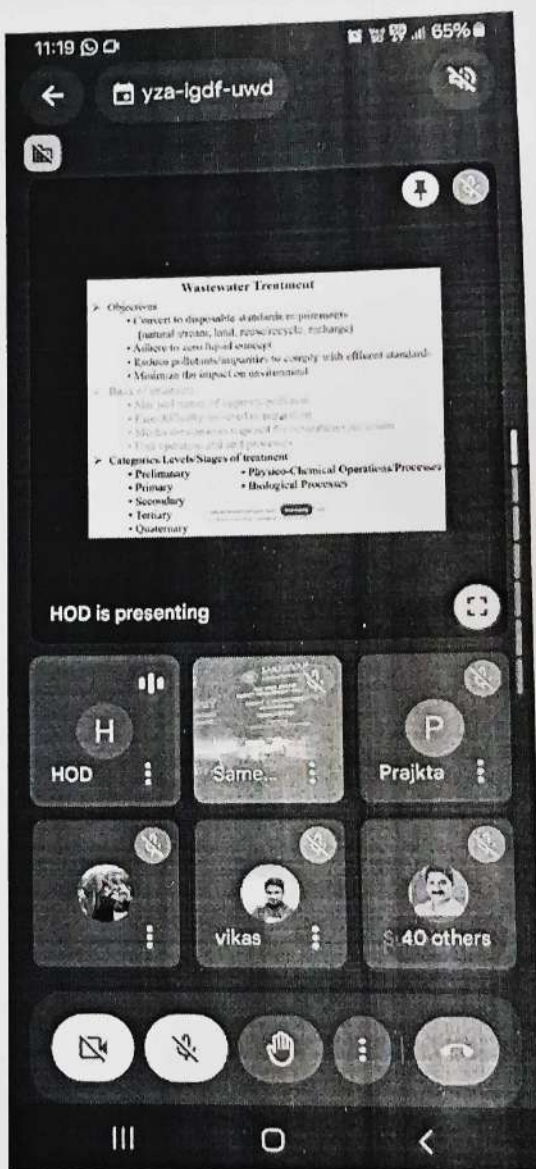
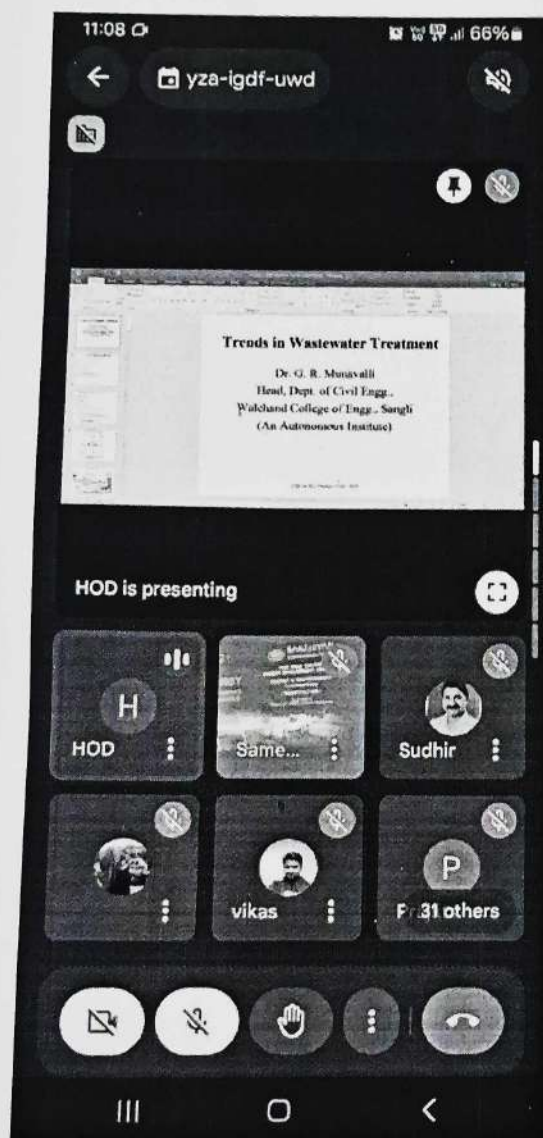
The Department of Basic Science & Humanities at Sanjeevan Group of Institutions successfully conducted the **fifth day** of the Faculty Development Program (FDP) on **Energy & Environment Engineering in virtual mode**. The session for the day focused on **Energy & Technology in Waste Water Treatment**, and was conducted from **11:00 AM to 01:00 PM** by **Dr. G. R. Munavalli (Associate Professor, Walchand College of Engineering, Sangli)**.

Dr. Munavalli provided deep insights into the latest advancements in wastewater treatment technologies, emphasizing the role of energy-efficient and sustainable methods. The session covered crucial topics such as wastewater treatment processes, energy recovery techniques, advanced filtration methods, and the integration of renewable energy in wastewater management. He also discussed real-world case studies demonstrating innovative solutions in wastewater treatment.

The session was highly interactive, encouraging faculty members to engage in discussions and explore innovative approaches for wastewater management in their respective fields. Dr. Munavalli's expertise and engaging presentation style made the session informative and beneficial for all participants.

The department extends its sincere gratitude to **Dr. G. R. Munavalli** for sharing his expertise and contributing to the success of the FDP. The program continues to provide an

excellent platform for knowledge exchange and professional growth in the field of energy and environmental engineering.



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Sanjeevan Group of Institutions

*Parvej D. Dhalait*

**Parvej D. Dhalait**  
Assistant Professor  
(Coordinator 2)  
Department of Basic Science  
& Humanities  
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