

## Report

### Faculty Development Program on ‘Waste management for Sustainable Development’

An online one week Faculty Development Program on ‘Waste Management for Sustainable Development’ was organized by the Department of Civil Engineering, Jaypee University of Information Technology (JUIT), Waknaghat from 4<sup>th</sup> to 8<sup>th</sup> January 2021.

The program was successfully completed under the auspices of

- Prof. Vinod Kumar – Vice Chancellor of JUIT Waknaghat and Patron of the organized FDP by the Department of Civil Engineering
- Prof. Samir Dev Gupta – Dean of Academics of JUIT Waknaghat
- Major General Rakesh Bassi (Retd.) - Registrar and Dean of Students of JUIT Waknaghat
- Prof. Ashok Kumar Gupta – HOD, Department of Civil Engineering, JUIT Waknaghat and Program Chair of the organized Workshop by the Department of Civil Engineering
- Dr. Rishi Rana – Assistant Professor, Department of Civil Engineering, JUIT Waknaghat and Program Convener of organized Workshop by the Department of Civil Engineering
- Mr. Kaushal Kumar - Assistant Professor, Department of Civil Engineering, JUIT Waknaghat and Program Convener of organized Workshop by the Department of Civil Engineering

The FDP on ‘*Waste Management for Sustainable Development*’ comprised mainly of invited and guest lecturers from eminent speakers of renowned institutes covering multifaceted aspects on progress, developments, legislations and existing drawbacks in Waste Management. Table-1 highlights the program schedule of the conducted FDP including the names and organizations of the speakers along with the title of lectures (talks) delivered by them.

**Table 1: Schedule and Details of Lecture presented by different speakers in the FDP 2021**

<b>Date</b>	<b>Time</b>	<b>Name of Resource Person</b>	<b>Title of Presentation</b>
<b>04/01/2021 (Monday)</b>	10:30AM-10:45 AM	Inaugural Session	<i>Inaugural Lecture</i>
	10:45AM-12:00PM	<b>Dr. Bharat Bhusan</b> , IOSH, CWMP, IWM, Consultant, Splash International, Kolkata	<i>Household Hazardous and Sanitary Waste Management</i>
	12:00PM-01:15PM	<b>Dr. Nitin Goyal</b> , Principal Scientist, CSIR-NEERI, Mumbai Zonal Centre, Mumbai	<i>Air Quality Management to Achieve the Sustainable Development Goals in India</i>
<b>05/01/2021 (Tuesday)</b>	10:00 AM-11:15 AM	<b>Prof. N S Maurya</b> , Dept. of Civil Engg., NIT Patna	<i>Human excreta: A key resource for sustainable development</i>
	11:15 AM-12:30 PM	<b>Mr. Aloysius CC</b> , Consultant, POLUCHEM Laboratories Pvt. Ltd., Kalamassery , Kerala	<i>Significance of Effluent Treatment Plant in Slaughterhouse and Meat Processing Units</i>
<b>06/01/2021 (Wednesday)</b>	10:00 AM-11:15 AM	<b>Dr. Nikhil Saboo</b> , Assistant Professor, Dept. of Civil Engg., IIT(BHU) Varanashi	<i>Mix Design of Reclaimed Asphalt Pavement Materials</i>
	11:15 AM-12:30 PM	<b>Prof. Meena Kumari Sharma</b> , Head Dept. of Civil Engg., Manipal University, Jaipur	<i>Waste Management Techniques in Non-Sewered Areas</i>
<b>07/01/2021 (Thursday)</b>	10:00 AM-11:15 AM	<b>Dr. Amit Kumar</b> , Assistant Professor, Dept. of Civil Engg., NIT Jaipur	<i>Machine Learning in Waste Management</i>
	11:15 AM-12:30 PM	<b>Dr. Himangana Gupta</b> , Postdoctoral Fellow, United Nations University, Tokyo	<i>National Greenhouse Gas Emissions from the Waste Sector</i>
<b>08/01/2021 (Friday)</b>	10:00AM-11:15AM	<b>Dr. Kamalpreet Kaur</b> , Environmental and Sustainability Consultant Analyst (R&D), Vinz Inc, Toronto, CANADA	<i>Waste Management for Sustainable Development” with main focus on Plastics/Micro-plastics</i>
	11:15AM-12:30PM	<b>Shalini Goyal Bhalla</b> , M D, International Council for Circular Economy, Delhi	<i>Circular Economy and its competitive advantage</i>
	12:30PM-01:00PM	<b>Prof. A.K. Gupta</b> , HOD CE, JUIT	<i>Closing Ceremony</i>

The FDP was conducted mainly to gain knowledge on the current practices of waste management and to provide a platform for interaction between academicians, senior scientists, research scholars, NGO's and all other personals involved in MSW management at different levels. Further, the workshop was conducted so that the faculty members and the different participants could get more acquainted with recent developments and prevailing opportunities for research in waste management with additional and pertinent information which if required could be incorporated in up gradation of existing courses or development of new courses to make the students more aware. The program started at 10.30 AM in the morning and continued till 3.30 PM in the afternoon on the first day with minimum of three lectures per day followed by question-answer sessions on the topics presented by different eminent speakers. A detail summary of the topic discussed during the entire Workshop program is summarized in Table 1.

The participation in the Workshop was overwhelming with a large number of participants from outstation locations with some participants joining from Karnataka, Gujarat, Chhattisgarh and other such states. Further, there were more than 15 foreign participants who had joined to attend the program. The overall summary of the participants present in the Workshop program is summarized in Table 2.

**Table 2: Summary of participation Details in the FDP 2021**

Total Number of Registered participants	108
Total Number of external participants	76

### **Other Salient Features**

- Video Recording of all lectures by the speakers for the Workshop available with the organizing committee.
- Presentation slides of all lectures by the speakers for the Workshop available with the organizing committee and has been distributed to participants
- Certificates of participation issued to all registered participants.
- Certificates of resource persons issued to all the listed speakers Feedback collected from participants for further improvement in conducting such future online Workshops

- Feedback collected from speakers for their inputs in conducting such future online FDPs.

Summary Statistics of Feedback received from Participants and Speakers are summarized below in Tables 3 and 4 respectively

**Table 3: Participant feedback details of the Workshop 2021**

Total number of participants feedback	63
Overall average feedback score	<p><b>Excellent (75%);</b>  <b>Very Good (22%);</b>  <b>Good (3%)</b></p> <p>Based on a 5 point scale rating system  ( 1- 5; [poor to excellent])</p>

**Table 4: Speaker feedback details of the Workshop 2021**

Total number of Speaker feedback	10
Overall average feedback score	<p><b>Excellent (71%);</b>  <b>Very Good (29%);</b></p> <p>Based on a 5 point scale rating system  ( 1- 5; [poor to excellent])</p>