

**Report on  
Online One Week Short Term Course  
on  
"Integrated Water Resource Management"  
(HRDC, Integral University, Lucknow, a Remote Centre of NITTTR, Chandigarh)  
from 26<sup>th</sup> February - 1<sup>st</sup> March 2024**

The Human Resource Development Centre and the Department of Computer Science & Engineering, Integral University as a remote Centre of NITTTR, Chandigarh has organized AICTE Recognized Short Term Course through Information and Communication Technology (ICT) on "**Integrated Water Resource Management**" from 26<sup>th</sup> February - 1<sup>st</sup> March 2024 at Integral University, Lucknow. The event, conducted in collaboration with the National Institute of Technical Teachers Training & Research, Chandigarh, aimed to provide advanced training in Water Resource Management, Clean Technologies for Wastewater Minimization and Zero Waste Water concept.



A total of eighteen technical sessions were constituted from a wide variety of topics and each session was led by a team of expert's viz.:

Day 1:

- Water Resources Management: Need, Concept and Considerations by Dr. Sanjay Sharma –NITTTR, Chandigarh
- India Towards Zero Waste Water by Jit K. Gupta – Advisor, Town Planning, Punjab Urban Development Authority
- Case Study Exercise by Himmi Gupta, NITTTR,Chd

Day 2:

- Software Interventions for Water and Wastewater Management by Bentley Inc.
- Water Management by Conjunctive Resource Utilisation by Prof. Raj Mohan Singh, Civil Engg. Dept.,MNNIT, Allahabad
- Wastewater Management by Dr. Sanjay Sharma, NITTTR, Chd
- Case Study Exercise by Himmi Gupta, NITTTR,Chd

Day 3:

- Industrial Wastewater Management by Dr. S C Jain, Former Professor & Dean, Punjab University, Chandigarh
- Remote Sensing in Strategic Planning for Water Resource Management by Dr. Vishakha Sood, Scientist, IIT Ropar
- Micro Irrigation Systems by Narsi Visharad, CEO, Dross Management Systems and Energy Solutions Pvt. Ltd.
- Case Study Exercise by Himmi Gupta, NITTTR,Chd

Day 4:

- Benchmarking of Irrigation Projects by Himmi Gupta, NITTTR,Chd
- Flood Erosion and Control by Prof. Narayan Sharma, Adjunct Professor, IIT Roorkee
- Waste Minimization through Clean Technologies by Sh. Avinash Sharda, Scientist, Haryana Ponds and Waste Management Authority, Haryana
- Case Study Exercise by Himmi Gupta, NITTTR,Chd

Day 5:

- Irrigation Agriculture Management in light of Climate Change by Prof. Narayan Sharma, Adjunct Professor, IIT Roorkee
- Smart Water Management by Himmi Gupta, NITTTR,Chd
- Course Evaluation presentation by participants by Himmi Gupta, NITTTR,Chd

This Short-Term Course benefitted a total of Fifteen participants. The Integral University was much praised by NITTTR Chandigarh for its active participation. Mr. Zishan Raza Khan, Remote Centre Coordinator, and Mr. Mohd Asim, Ancillary staff member of ICT from Integral University's Department of Civil Engineering, coordinated the programme.

### Glimpses of the Event:

