

**Civil Engineering Department  
School of Engineering & Technology  
Academic Year 2025-26**

**Expert lecture on “Application of GPS and DGPS Technology in Water Resource Department”**

**1. Event Title:** Expert lecture on “Application of GPS and DGPS Technology in Water Resource Department”, at the Department of Civil Engineering, SoET, Sandip University, Nashik.

**2. Event Date:** 15/11/2025.

**3. Event Conduction Duration:** 11:00 AM TO 12:30 PM

**4. Event Venue:** F-109, Civil Engineering Department; SoET; Y-Building, Sandip University, Nashik.

**5. Event Resource Person Details (Speaker Image, Speaker name, Designation, Company name)**

Dr. Santosh Gangadhar Wagh, Sub Divisional Engineer, WRD, Nashik

**6. Name of Event Coordinator with contact details:**

Dr. Nitin Bharadiya – Mob.9574104823

**7. Number of Participants:** 35 Students from (SE, TE & BE) + Faculty members

**8. Event Outline, Objective & Outcome of the event:**

**Outline:** The Department of Civil Engineering, School of Engineering & Technology (SOET), Sandip University, successfully organized an expert lecture on “The Application of GPS & DGPS Technology in the Water Resources Department.” The session was delivered by Dr. Santosh Wagh from the Maharashtra Engineering Research Institute (MERI), Nashik, who shared valuable insights and practical applications of modern surveying technologies. The lecture provided students with enhanced technical understanding and exposure to advanced geospatial tools used in real-world water resources management.

**Objective:**

- To introduce students to the basic principles and functioning of GPS and DGPS technology.

- To explain the applications of GPS/DGPS in surveying, mapping, and water resources management.
- To demonstrate how modern geospatial tools improve accuracy and efficiency in field measurements.
- To provide real-time examples and case studies from the Water Resources Department.

### Outcome of Event:

- Students understood the working mechanism and components of GPS and DGPS systems.
- Students gained knowledge of how GPS/DGPS is used in river mapping, canal alignment, dam monitoring, and field surveys.
- Students learned about accuracy levels, error correction, and practical considerations in geospatial data collection.
- Students became familiar with practical applications through examples shared by the expert from MERI, Nashik.



**SANDIP UNIVERSITY** | **NAAC GRADE A**  
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**SCHOOL OF ENGINEERING AND TECHNOLOGY**  
**DEPARTMENT OF CIVIL ENGINEERING**

**“Application of GPS and DGPS Technology in Water Resources Department”**

**OUR SPEAKER**

**Dr. Santosh Gangadhar Wagh**  
Sub Divisional Engineer ,  
WRD, Nashik.

**DATE : 15th Nov 2025**  
**TIME : 11.00 AM Onwards**  
**F-109, Civil Engineering Department.**

**6 CLEAN WATER AND SANITATION**  
**11 SUSTAINABLE CITIES AND COMMUNITIES**  
**13 CLIMATE ACTION**

**Dr. Nitin Bharadiya**  
Coordinator

**Dr. Swati Patil**  
HoD

**Prof. (Dr.) Prakash G. Burade**  
Associate Dean Engg  
SoET

### Technical Session on the Application of GPS & DGPS in Water Resource Engineering



**Felicitation of Dr. Santosh Wagh**



**Dr. Nitin Bharadiya Introducing the Expert Speaker**



**Commencement of the Session and Address by the Guest Speaker**



**Interactive Seminar Led by the Guest Speaker**



**Students Attending the Expert Seminar on GPS & DGPS**