

# WORKSHOP ON GLOBAL POSITIONING SYSTEM & TOTAL STATION APPLICATIONS FOR SMART CITY PLANNING

**Date:** 22/01/2020

**Organizing Department:** Department of Civil Engineering

**Mode:** Offline

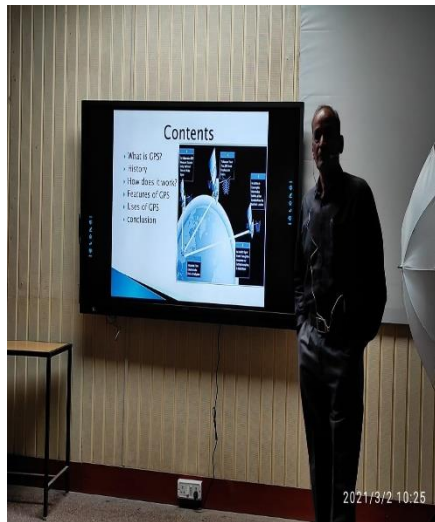
**No. of Participants:** 37

**Duration of Event:** 9:00 am - 02:00 pm

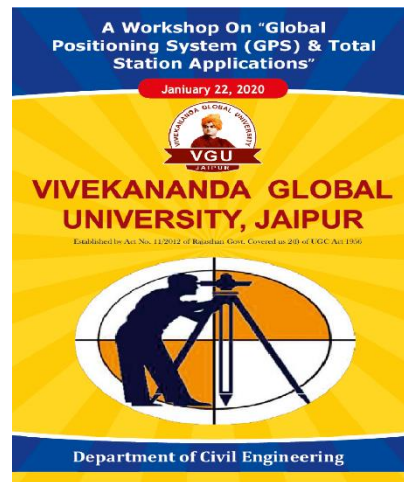
**Resource Person:** Mr. D.N. Saraswat

**Coordinator Name:** Mr. Mahendra Kumar

**Event Venue:** Seminar Hall, VGU



Presentation by Mr. D.N. Saraswat



## Brief Report

GPS refers to a group of US Department of Defense satellites constantly circling the earth. These satellites transmit very low power radio signals and anyone with a GPS receiver can access these satellites and locate their own position on the earth. GPS technology is very useful in the classroom. Students can use GPS receivers for mapping activities, academic scavenger hunts, problem solving, cooperative learning activities, etc. GPS technology is a great way to supplement any learning environment. This seminar was designed to facilitate up-gradation of knowledge for working professionals in the above field by providing a forum for sharing their knowledge, experience, innovations and inventions.

## The seminar covered following topics:

- What is GPS?
- How does it work?
- Uses of GPS in Civil Engineering

## Conclusion

The workshop imparted knowledge on advancement in technology of surveying and use of laser technology and artificial intelligence through the use of GPS. It encouraged the entrepreneurship community to start consultancy work relevant to the industry such as planning for construction, minimizing construction and research costs. Such types of skills are very important for detailed planning of a project for starting any type of infrastructure development.