



**CHAITANYA BHARATHI  
INSTITUTE OF TECHNOLOGY (A)**

Kokapet(Village), Gandipat, Hyderabad, Telangana-500075. [www.cbti.ac.in](http://www.cbti.ac.in)



COMMITTED TO  
RESEARCH,  
INNOVATION AND  
EDUCATION

**41**  
years

## DEPARTMENTS OF ELECTRONICS AND COMMUNICATION ENGINEERING

in Association with



DEPARTMENTS OF ELECTRONICS AND COMMUNICATION ENGINEERING  
UNIVERSITY COLLEGE OF ENGINEERING (A),  
Osmania University, Hyderabad.

Jointly Organizing

### A One Week National Level STTP Webinar

on

## GNSS AND SATELLITE MICROWAVE COMMUNICATIONS

18<sup>th</sup> to 22<sup>nd</sup> May, 2020

### About the STTP Webinar:

A Global Navigation Satellite System (GNSS) is a network of satellites that transmit ranging signals for positioning and navigation anywhere around the globe; on land, in the air or at sea.

Communication refers to the exchange of information between two or more entities, through any medium or channel. If the communication takes place between any two users through a satellite, then it is satellite communication. In this communication, generally electromagnetic waves with microwave range are used as carrier signals.

This One Week National Level Short Term Training Program (STTP) incorporates combinations of comprehensive theory supported by the practical examples. The program will provide the participants with a clear overview of GNSS and satellite microwave communication concepts. The webinar also aims to bring academic fraternity to share with the participants the information and free exchange of views and make available the expertise on GNSS, Satellite Microwave Communications at OU, CBIT and other organizations.

### Learning Objectives:

- ❖ Familiarization of the principle and operation of GPS and other constellations
- ❖ Concepts of the signal structure of GPS and other constellations
- ❖ GPS Error Sources, Navigation and Observation RINEX formats
- ❖ Modernization of GPS and Augmentation System
- ❖ Explanation of the basic principle involved in a Radiolink System

- ❖ Concepts of Tropospheric Scatter Communication System and the Earth Station Technology
- ❖ Significance of Mobile Satellite Communications and applications related to future trends in Satellite Communication

### **For online registration:**

<https://forms.gle/e4zhsjoXZER3zGKo8>

### **Target Audience:**

Faculty and students of B.E/B.Tech/ M.E/M.Tech ,PhD Research scholars.

### **Registration Fee**

There is no registration fee for the selected participants.Learn free in CoVID-19 lockdown period.

### **E-certificate**

All registered participants will get e- certificates upon submission of feedback form.

### **Chief Patrons**

**Sri. Aravind Kumar, IAS**  
I/c Vice Chancellor, OU

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**Prof. A. D. Sarma**, Director R&D, CBIT  
Former Director, NERTU,OU

### **Convenor**

**Dr. P. Naveen Kumar**, Assoc. Professor, Dept. of ECE,OUCE, OU.

### **Co-Convenor**

**Sri. T. Sridher**, Asst. Professor, Dept. of ECE, CBIT.

### **For further details contact:**

Sri. T.Sridher, Mobile and WhatsApp: 8801206497, Emailid: tsridhar\_ece@cbit.ac.in

**Note:** Webinar would be conducted using Zoom App. Id and password would be sharedthrough selected participants WhatsApp group.