

QIP SHORT TERM COURSE ON GNSS AND SPACE WEATHER

14-19 SEPTEMBER 2020

Organized by

**Discipline of Astronomy,
Astrophysics and Space Engineering**

ABOUT THE COURSE: This course is very relevant for the Indian Space program and provides a unique opportunity for academic researchers and faculty of technical colleges to explore about the recent developments in this field. Course will be beneficial to faculty and researchers, who are aspiring to pursue their career in the field of Space Engineering and Technology.

The course will provide basic concept of satellite based navigation, space weather and wave propagation, Indian own GPS like system, NavIC, and potential challenges and application of Space Weather in other engineering sectors.

VENUE:

IIT Indore Simrol Campus (Online mode)



COURSE COORDINATORS

- DR. SAURABH DAS Assistant Professor
- DR. ABHIRUP DATTA Associate Professor

CONTACT:

Discipline of Astronomy, Astrophysics
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LAST DATE OF APPLICATION:

11 SEPTEMBER 2020

FOR FURTHER DETAILS:

http://www.iiti.ac.in/people/~saurabh.das/GNSS_SPACE_WEATHER.htm

REGISTRATION FEE

- No registration fee for faculty participants from AICTE approved colleges and institutes.
- Rs. 1000/- for participants from industry and non-AICTE approved colleges.

APPLICATION PROCEDURE

The participants can either send the soft copy of filled registration form to the mentioned mail address or can register online on the link given below **on or before 11 SEPTEMBER 2020.**

<https://forms.gle/7MYUJWS7yaKTeHbR8>

COURSE INSTRUCTORS

- Prof. Bruce Tadashi Tsurutani, NASA JPL. (Tentative)
 - Dr. Ashish K. Shukla, SAC, ISRO,
 - Dr. Abhirup Datta, IIT Indore
 - Dr. Saurabh Das, IIT Indore
- And a few faculty from other research institute and IITs.

REGISTRATION FORM
QIP SHORT TERM COURSE
ON
GNSS AND SPACE WEATHER
14-19 SEPTEMBER 2020
IIT Indore

Name: _____

Designation: _____

Discipline/Department: _____

Institution/Organization: _____

Address: _____

E-mail id: _____

Gender: _____

Phone/Mobile No: _____

Motivation for joining the

course: _____

Signature of the applicant with date

Signature with seal of Nominating
Authority (for QIP participants)

ABOUT IIT INDORE IIT Indore, located in Indore, Madhya Pradesh, India, is an institute of national importance established by the Government of India in 2009, which has already emerged as a prominent research and teaching institute in the country. It is ranked 351-400 (3rd in India after the IISc Bangalore and IIT Ropar) in the Times Higher Education World University Rankings 2020 and ranked 50 in the Times Higher Education Asian University Rankings 2019.

The Discipline of Astronomy, Astrophysics and Space Engineering(DAASE, formerly the Centre of Astronomy) was initiated in December 2015 as an interdisciplinary division of IIT Indore. Since December 2018, it has become a full-fledged department. It is unique among all IITs, as it offers a dedicated and focused platform to pursue research in Astronomy, Astrophysics and Space Engineering. Our faculty members and students have varied research interests, starting from Satellite Communication; Navigation,

Spacecraft and Payload Control; Remote Sensing and RADAR, Signal and Image Processing; Machine Learning and Big Data; Radio Astronomical Instrumentation; Radio and X-ray Observations; Computational and Observational Cosmology; Large Scale Structures and Galaxy Clusters; Space Weather and Ionosphere; Computational Astrophysics; Neutron Stars, Pulsars and Black Holes; Transients; Star and Planet Formation etc.

Getting in and around Indore is well connected to most of the major cities in India. Its local airport has several direct flights every day to and from New Delhi, Mumbai, Bangalore, Ahmedabad, Chennai, Kolkata, Hyderabad etc. Most of the tourist attractions in and around Indore can be reached by car. The Uber and Ola mobile apps are the best options to hire a taxi for a trip within and outside Indore.