

Organised by:
Department of Physics
The University of Burdwan
Burdwan 713 104
West Bengal

Date: 21-25 September, 2021

Platform: Google Meet
Link will be shared with
selected candidates only

Local Organising Committee

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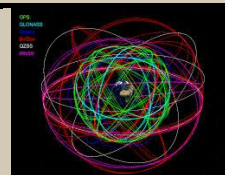
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5 Day Faculty Development Program (FDP) AICTE Training and Learning (ATAL) Academy GNSS/ NavIC and Applications



Global Navigation satellite system (GNSS) has become popular for myriads of applications due to the advantages of reliability, precision, availability and cost-effectiveness. Using satellite signals, GNSS provides accurate position, timing and velocity (PVT) information. As a result, multiple global (GPS from USA, GLONASS from Russia, Galileo from the European Union and Beidou from China) and regional (QZSS from Japan and IRNSS/ NavIC from India) systems are now operational. As per the GNSS Market Report (2019), the expected total GNSS business volume would be 2,525 billion Euros with applications sectors of consumer electronics, rail, road, aviation, maritime, surveying, logistics, agriculture, geomatics, timing and academic research. To maximize the use of multi-GNSS and to exploit the potential of NavIC, manpower training is required, that is aimed in this FDP.

The broad topics covered (not limited to) will be:

Basics of GNSS

GNSS Positioning Methods

GNSS Positioning Applications

GNSS and Atmospheric research

GNSS Business

Current Multi-GNSS situation

GNSS error sources

GNSS Timing Applications

IRNSS/ NavIC: the Indian advantage

GNSS data processing hands on.

Organizing Institution and Department:

The FDP is being organized by GNSS Laboratory, Burdwan (GLB) (<http://bugnss.in>), in the Department of Physics, The University of Burdwan with financial support from SAC-ISRO, DRDO, AICTE, ITR-DRDO, SERB-DST and is engaged in theory and application of GNSS and NavIC.

Speakers:

Sh Atul P Sukla, Former SAC-ISRO

Dr P Banerjee, Former NPL, New Delhi

Prof Andrei Kupriyanov, MIIGaiK, Russia

Dr Saurabh Das, IIT, Indore

Mr Varadarajan Krish, IIRA

Dr Sweta Shah, SVNIT, Surat

Dr Ivan Petrovski, iP Solutions, Japan

Dr Dinesh Manandhar, Tokyo Univ, Japan

Mr Rainer Horn, SpaceTech Partners, Belgium

Mr V S Velan, Elena Geosystems

More Experts to confirm from ISRO, DRDO and Academics

Industry Representatives (NTLab, Alberding, Trimble, more to confirm)

- Faculty members of the AICTE approved institutions, Research Scholars, PG Scholars, participants from Government, Industry from India can apply
- No registration fees. Completely online during 21-25 Sept 2021
- Maximum Participants: 200. For more details: <https://www.aicte-india.org/atal>
- To apply, go to: <https://atalacademy.aicte-india.org/login>, create your credentials/ login, select "Workshops", select "West Bengal" under state, select "September" under Month, scroll down and click on the + sign for the GNSS/ NavIC and Applications Course