GNSS Training and Capacity Building Activities by CSSTEAP

An Update

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GNSS Training and Capacity Building Activities by CSSTEAP

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CSSTEAP and its Capacity Building Activities

- Centre for Space Science and Technology Education in Asia and the Pacific (CSSTEAP) established in November, 1995
- Hosted by Government of India
- Department of Space as nodal agency
CSSTEAP and its Capacity Building Activities

Objectives and Commitments:

• CSSTEAP is committed to dissemination of technical information and capacity building

• “ज्ञानदानात वृद्धियत” (Gyanangdanat Bridhyate)

Member Countries:

• CSSTEAP governing body is constituted by active participation of its member countries
CSSTEAP and its Capacity Building Activities

- **PGD/MTECH COURSES**
  - 9 months
  - on-campus
  - 1 year project
  - Extendable to M.Tech

- **SHORT COURSES**
  - 15 days – 1 month
  - on-campus
  - Certificate course

- **ONLINE COURSES**
  - 1 – 2 week course
  - Advanced topics
  - Online hands-on

- **OTHERS**
  - MOOC
  - Special Courses
  - Awareness Programs

- **SATCOM**
- **RS-GIS**
- **SATMET**
- **GNSS**
- **SAS**
CSSTEAP and its Capacity Building Activities

CSSTEAP Courses at a Glance

- Started in 1996
- Conducted every/alternate years
- Conducted 69 PGD courses with many more short courses
- Around 1300 Participants benefitted
- More than 200 participants completed M. Tech
CSSTEAP and its Capacity Building Activities

- Conducted at the centres of ISRO at different parts of India
- Supported by academia, industries and other organizations
GNSS Training by CSSTEAP - Update

GNSS Course at a Glance

- Started full term course from 2015: 9-month duration
- Conducted by Space Applications Centre, ISRO, Ahmedabad
- 47 participants from 14 countries benefitted
- 5 participants completed M. Tech
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GNSS Training by CSSTEAP - Update

GNSS-04 Course at a Glance
September 2022 – June 2023

What’s New?
• Balanced apportionment of subjects
• State of the Art technologies included
• Pro-participant designing of course curriculum
• Faculty from different professional backgrounds
• Renowned speakers from across the nation
• Useful tools & resources in classes and labs
• Enhanced allowances
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GNSS Training by CSSTEAP - Update

CSSTEAP Educational Facilities

- GNSS Class Room
- Seminar Room
- Programming & Simulation Lab
- Auditorium
- Hostel
- VC Room

Highlights

- CSSTEAP Network
- Reading cum lending library
- Seminar and VC Room
- Programming and Simulation Lab
- Recording facilities
- Auditorium for CSSTEAP
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CSSTEAP Research Facilities

- CSSTEAP Participants can do project work in any of GNSS labs in SAC/ISRO with any experienced scientists as guide
- CSSTEAP participants can access dedicated knowledge repository via CSSTEAPNET
- A large section of SAC/ISRO data is made available for CSSTEAP participants
- CSSTEAP participants have the access to all available library books and subscriptions of SAC/ISRO to leading journals
- CSSTEAP participants have published research done during Course
GNSS Training by CSSTEAP - Update

CSSTEAP Educational Tours

• Participants are exposed to the related work in other Indian organizations and institutes and laboratories across India
GNSS Training and Capacity Building Activities by CSSTEAP

The Fun Side

Highlights

- Participation in Indian festivals
- Visits to different places of interest across India
- Cultural programs
- Student’s day celebration
- Games and sports
Observations

• Many applications from African countries

• African centres at Morocco and Nigeria, have their own specialities

• CSSTEAP, being conducted by ISRO, has expertise as service provider and payload and application developer

• Find scope of some kind of exchange of participants can be worked out
Forthcoming GNSS Courses by CSSTEAP

Online course on GNSS announced

- It is necessary to keep online training and capacity building activities open
- Announcement of online short course on “GNSS: Advanced Technologies and Applications”
- The course will be conducted from 28th November till 08th December, 2023
- Details of the course and application portal at https://cssteapun.org

PGD course GNSS-05 scheduled in August, 2024

- Next CSSTEAP PG course on GNSS is scheduled in August, 2024 and will be formally announced by Jan ’24
Thank You