CSSTEAP Activities during Covid-19 Crisis period

Dr. Rajat Acharya

Course Director, GNSS, CSSTEAP

Space Applications Centre, ISRO

Background

- UN-OOSA identified India as host country for establishing the Centre for Space Science and Technology Education in Asia and the Pacific (CSSTEAP) and the Centre was established in November, 1995

- Hosted by Government of India with Department of Space as nodal agency.

- CSSTEAP resolution made it responsible for capacity building

- Commitment is embodied in the Indian sloka, "ज्ञानंदानात वृध्यते"

- Made substantial progress in furthering knowledge and experience of space applications in the region

CSSTEAP Activities during Covid-19 Crisis period

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

- Despite the serious challenges that the Covid-19 period put during the last more than 1 year, the following CSSTEAP activities were carried out

- We shall present here the activities that CSSTEAP-GNSS carried out during the Covid-19 crisis period during the last 1 ½ year.

GNSS Course

- Classes on Navigation since beginning of this century

- Started full term course from 2015: 9-month duration

- Conducted by Space Applications Centre, ISRO, Ahmedabad

| Course	Year	Participants	Countries
GNSS-01	2015-2016	09	04
GNSS-02	2017-2018	12	05
GNSS-03	2019-2020	15	08

CSSTEAP Activities during Covid-19 Crisis period

Covid-19 Lockdown and its aftermath

- Lockdown imposed in the wake of Covid-19 pandemic from 25 March, 2020

- Evaluation of Participants' pilot project were done in online mode. Valedictory session conducted online.

- Students had to stay back. All amenities and allowances during excess stay were arranged by CSSTEAP

- Special medical check-up during the stay

- Safely sent back participants

- Some arrangements by Road with safety protocols to avail special repatriation flights
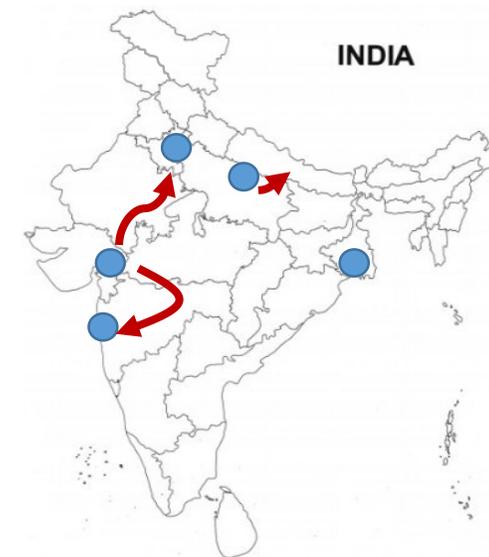
Repatriation of GNSS 03 students

Country	Number of Students		Left Ahmedabad on	To	Mode	Details	Left India on	To	Mode	Details
Myanmar	1		18-05-2020	Delhi	By Road	SAC ISRO CAR	19-05-2020	Yangon	By Air	UB-7004
Indonesia	1		19-05-2020	Mumbai	By Road	Bus	22-05-2020	Jakarta	By Air	AI-1312
Nepal	1		26-05-2020	Lucknow	By Air	6E-244	26-05-2020	Gauriphanta	By Road	ISTRAC Car
Tajikistan	1		26-05-2020	Delhi	By Air	AI-532	28-05-2020	Dushanbe	By Air	SZ-110
Philippines	1		29-05-2020	Delhi	By Air	AI-532	30-05-2020	Manila	By Air	AI-1316
Bangladesh	1		31-05-2020	Kolkata	By Air	6E-962::6E-307	01-06-2020	Dhaka	By Air	AI-1230

Online course on GNSS conducted

- A short course on GNSS was planned to be conducted in September, 2020

- It was designed, planned and about to be announced as the Covid-19 situation worsened in India and consequently lockdown was imposed.

- Announcement was indefinitely postponed

CSSTEAP Activities during Covid-19 Crisis period

Online course on GNSS conducted

- With the improvement in the situation, two realisations were made

  (A) It is necessary to continue with the training and capacity building activities

  (B) To offer the introductory course

- Announcement of online short course on "Introduction to Satellite Navigation"

ONLINE SHORT COURSE ON **INTRODUCTION TO SATELLITE NAVIGATION**

Organized by **CSSTEAP**
Conducted by: **SAC, ISRO**
Online Mode
13 – 24 September, 2021

CSSTEAP Activities during Covid-19 Crisis period

Online course on GNSS conducted

- From September 13th to September 24th , 2021

- Good response obtained 67 valid applications received from 14 different countries; 56 selected

- Reading materials provided a-priori

- Matlab based online hands on practical work to give the deep insight of the concepts
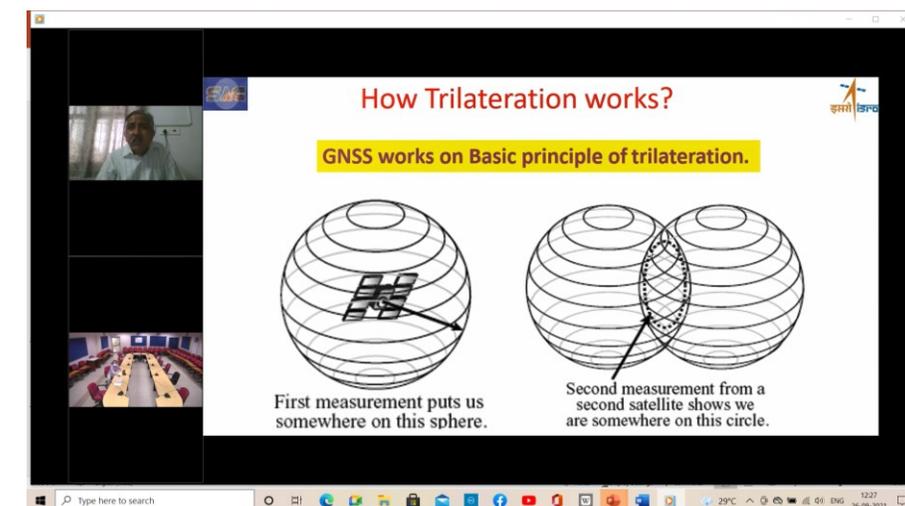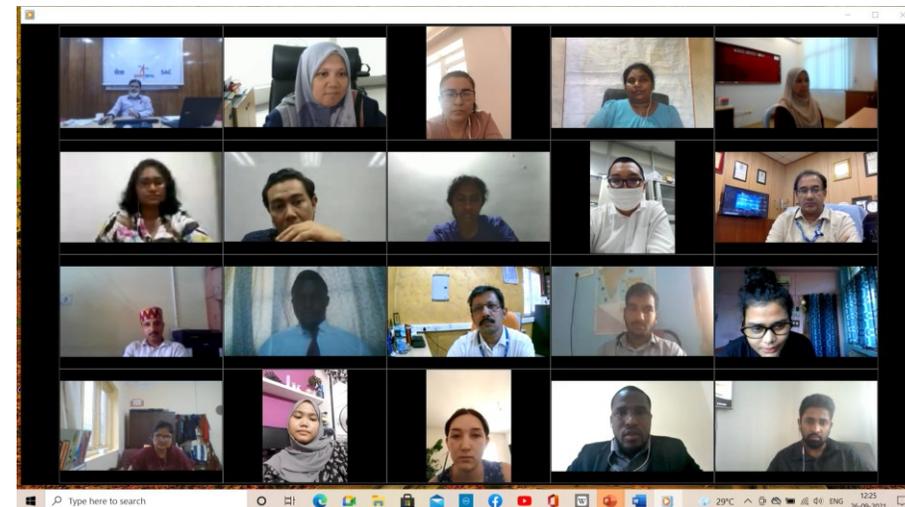
M.Tech Defence viva made online

- M.Tech students completing project could give defence viva online in presence of subject expert

- Students didn't have to wait for congenial situations for experts visit

- 3 CSSTEAP GNSS students have benefitted out of this over the last 1 year

Thank You