Massive Open Online Course (MOOC) on - Geospatial Applications for Disaster Risk Management

A Joint initiative of CSSTEAP & UNOOSA

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25 Years
CSSTEAP
Empowering,
Engaging in Capacity Building

Massive Open Online Course (MOOC) for Capacity Building

- Web-based distance learning programs are being designed for the participation of large numbers of geographically dispersed students across the globe.

- During the challenging times of the COVID-19 outbreak, MOOCs are an effective way of reaching a large number of participants to share the knowledge.

- CSSTEAP and UNOOSA has jointly designed an open online course on "Geospatial Applications for Disaster Risk Management" to achieving the target of:
  - Sendai Framework for Disaster Risk Reduction 2015-2030,
  - 2030 Agenda for Sustainable Development and the Paris Agreement stemming from the 21st Conference of the Parties(COP) of the United Nations Framework Convention on Climate Change(UNFCCC).
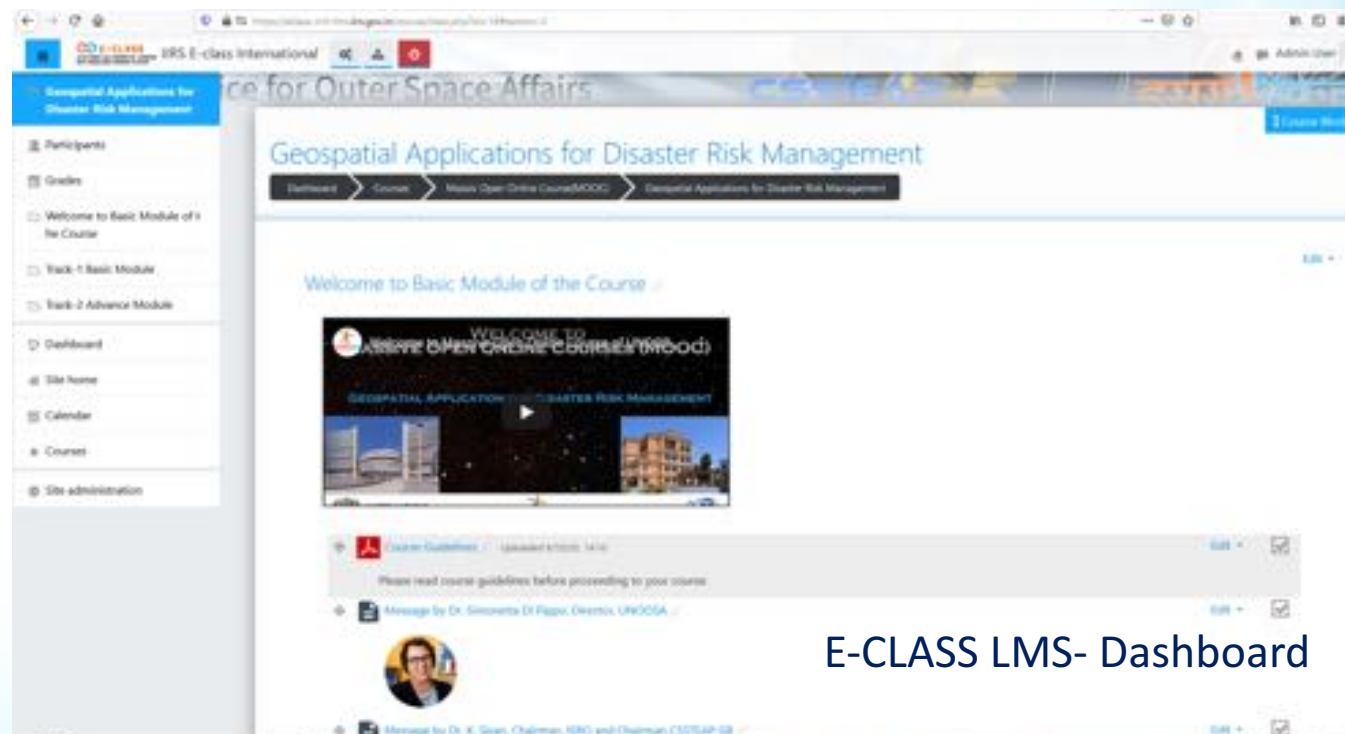
MOOC on Geospatial Application for Disaster Risk Management is organized in two Tracks

Track 1: Basic Module

- This track aims at imparting basic knowledge on disaster risk reduction, Remote Sensing and Geospatial Technologies.

- The participants need not have specific knowledge or expertise is in the areas of disaster management, geospatial technologies or Earth observation to complete this track.

Track 2: Advanced Module

- The participants who have completed Track 1 successfully can access Track 2, which is more technical and aims at developing skills of the participants in the use of Earth observation in assessing various disasters.

E-CLASS LMS- Dashboard

Course Structure & Content

Geospatial Applications for Disaster Risk Reduction

20 Sessions, 18 Speakers and 12 Organizations

Major Achievements of the Course

Geospatial Applications for Disaster Risk Reduction

Major Highlights :

- Launched on October 13, 2020;

- 27467 participants out of 35124 registrations from 144 countries has already started the course-

  - Working Professionals- 5502;

  - Self Employed- 2334 and

  - Students- 19631;

- Indigenous online learning platform is developed as E-CLASS International for offering online course through CSSTEAP;

- Programme is launched under ISRO-IIRS Space Application Training (ISAT) Programme – https://isat.iirs.gov.in
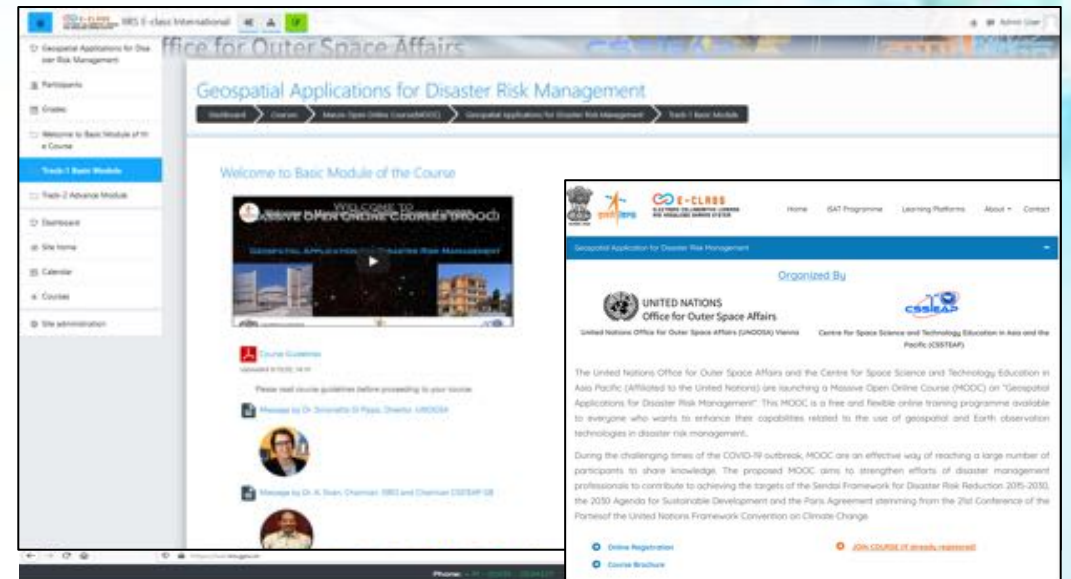
# Summary of the Course (Till November 17, 2020)

Total Registrations	35124
No. of participants in LMS	27467
Participants from India	25542
Participants from Outside India	1925
No. of Countries	144
No. of participants completed Track 1	5033
No. of Participants Completed Track 2	3370
Feedback submitted Track 1	5286
Feedback Submitted Track 2	3444

Distribution of Participants
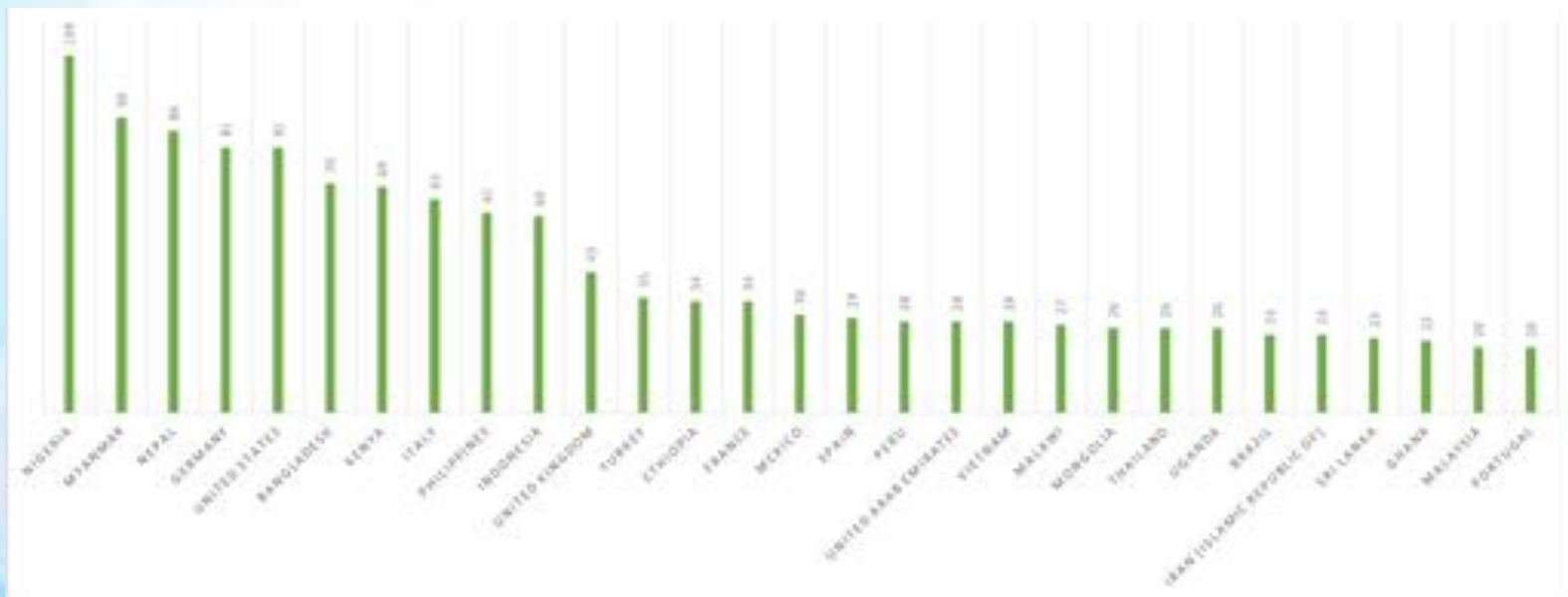
Profession wise distribution
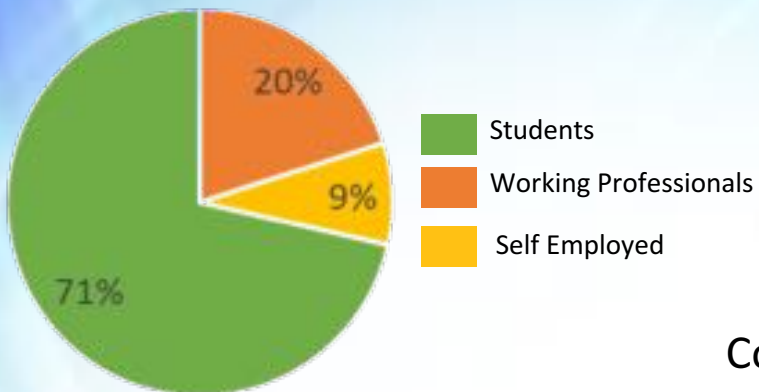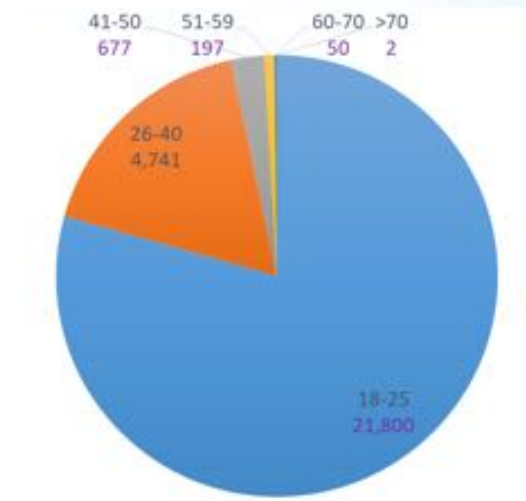
Gender wise distribution
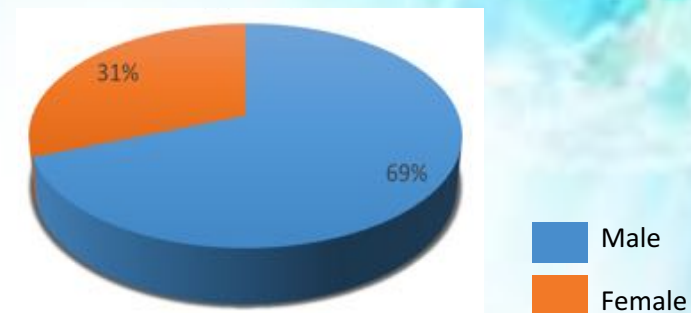
Country wise Distribution

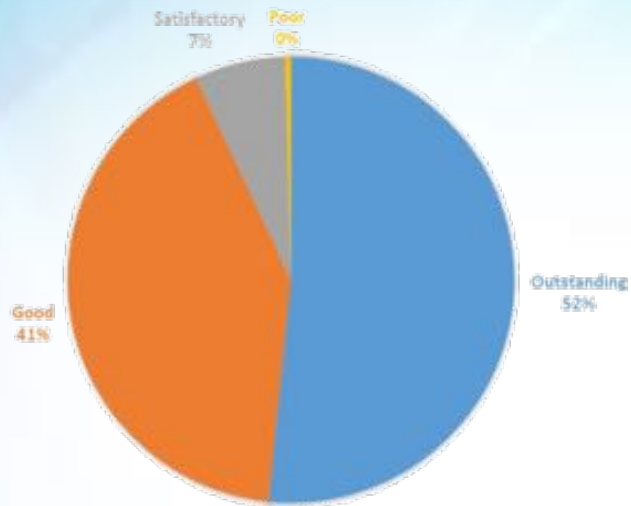Maximum from India- 25542

Age group wise distribution

Graph shows other than India and countries having participants more than 20.
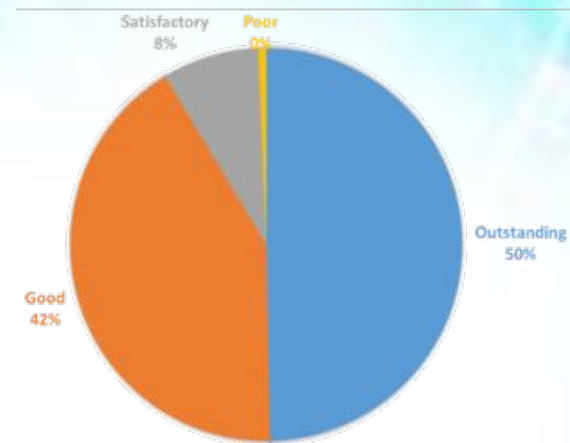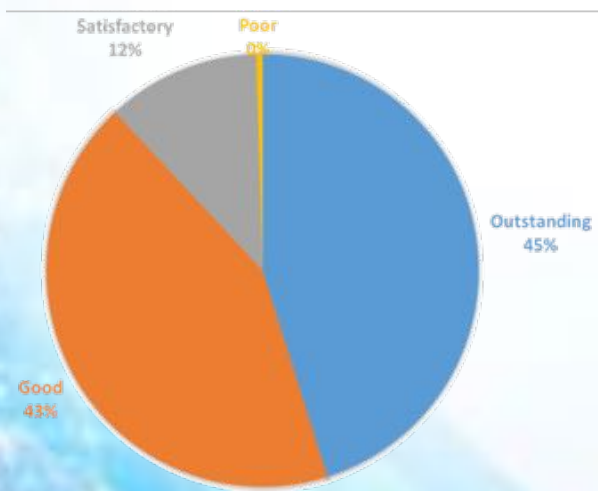
Feedback Report

How do you rate the overall MOOC based learning experience?

Satisfactory 7%
Poor 0%
Outstanding 52%
Good 41%

How do you rate the overall technical content of MOOC?

Satisfactory 8%
Poor 0%
Outstanding 50%
Good 42%

How do you rate the overall MOOC LMS portal experience in accessing and navigating the content?

Satisfactory 12%
Poor 0%
Outstanding 45%
Good 43%

Were you able to enhance your skills through this MOOC?

3%
97%

■ Yes ■ No
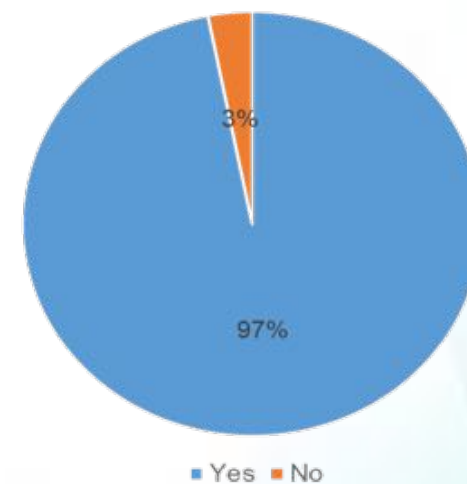
Conclusion & Takeaways

- MOOC based online content delivery is very effective for mass scale training and education.

- The innovative learning contents may engage the learners in learning process effectively.

- The practical demonstrations on various data and software tools will enhance the learning contents.

- The online quiz, picture based learning, gaming activities may be included in the contents for making it more learner centric.

- Online discussion forums are very effective for collaborative learning.

Thank You