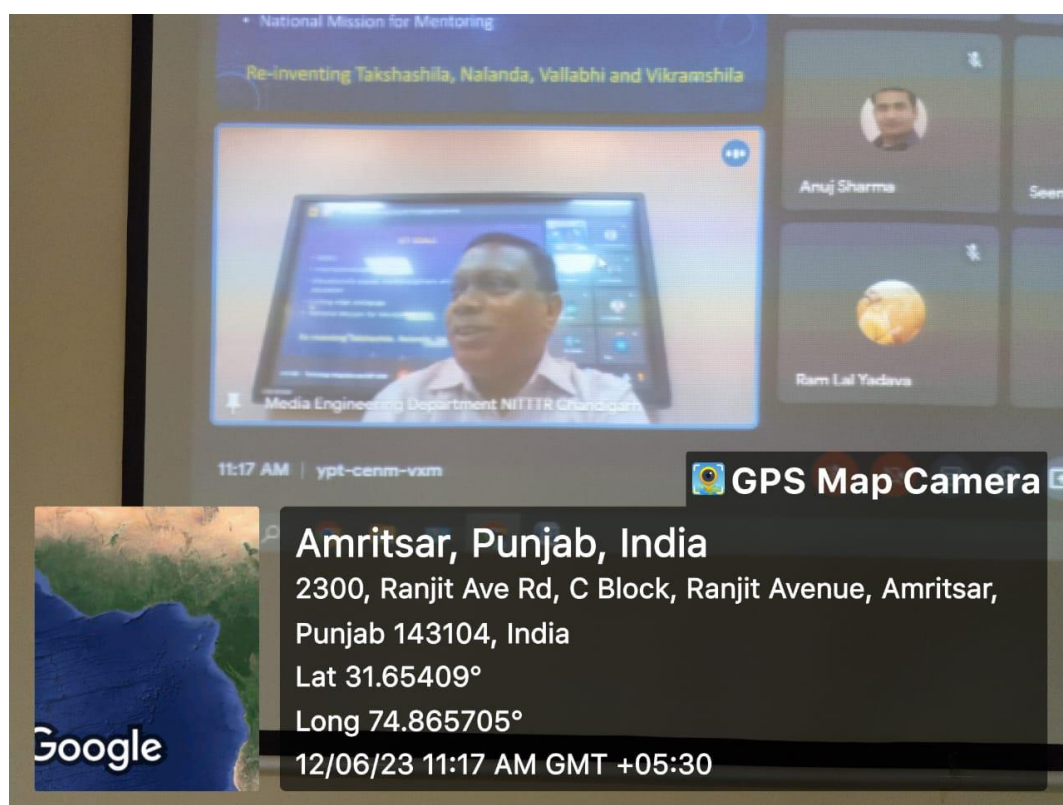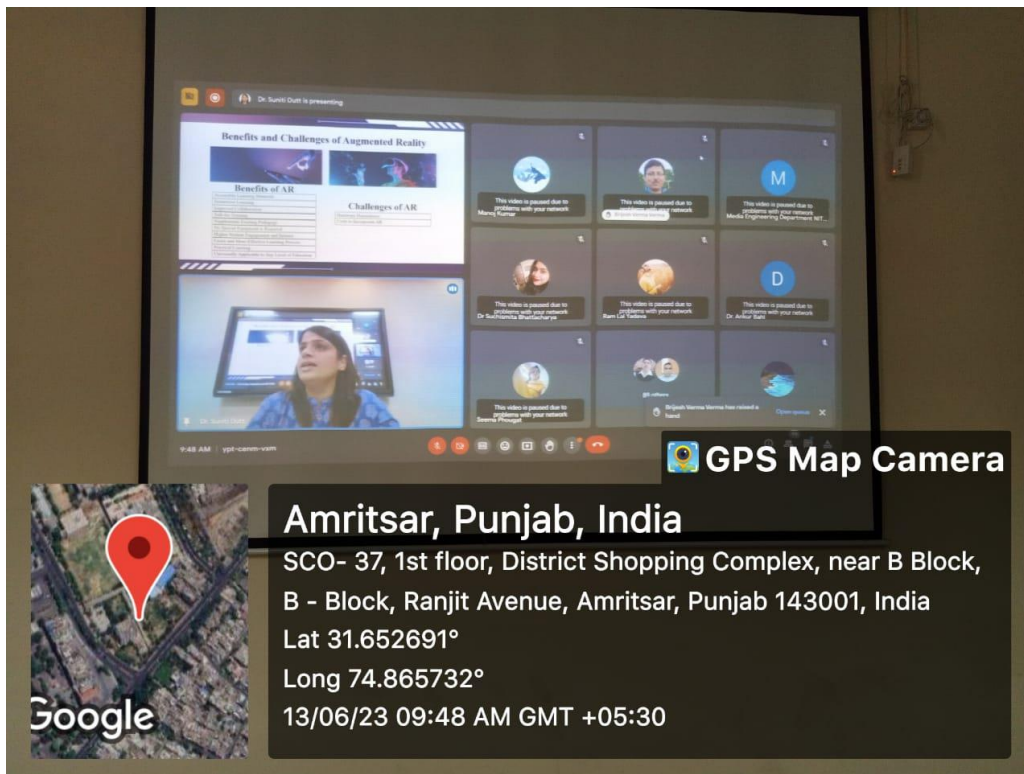# REPORT OF STC Entitled "TECHNOLOGY INTEGRATION AND NEP 2020"
From 12-16th June, 2023

One Week Short Term Course on Technology Integration and NEP 2020 was organized by Khalsa College of Engineering and Technology in association with National Institute of Teachers Training and Research (NITTTR), Chandigarh from 12th June 2023 to 16th June 2023. Khalsa College of Engineering and Technology was selected as a Remote Centre for this Short term Course by NITTTR, Chandigarh.

On the 1st day the keynote speakers were Dr. S.S. Pattnaik, Professor & Head, Media Engg. Department NITTTR, Chandigarah and Dr. Gaurav Kumar, Assoc. Prof. Media Engg. Department NITTTR, Chandigarah . During the Course Dr. S.S. Pattnaik (Course Coordinator, NITTTR Chandigarh) interacted with the faculty and motivated them to be more versed with Integrated technologies for the better research and teaching learning processes. Dr. Pattnaik discussed the NEP 2020 verticals and its salient features. He also discussed how to frame an effective design of curriculum with the usage of technology. Dr. Gaurav Kumar discussed about technology for feedback analysis and its corrective action.
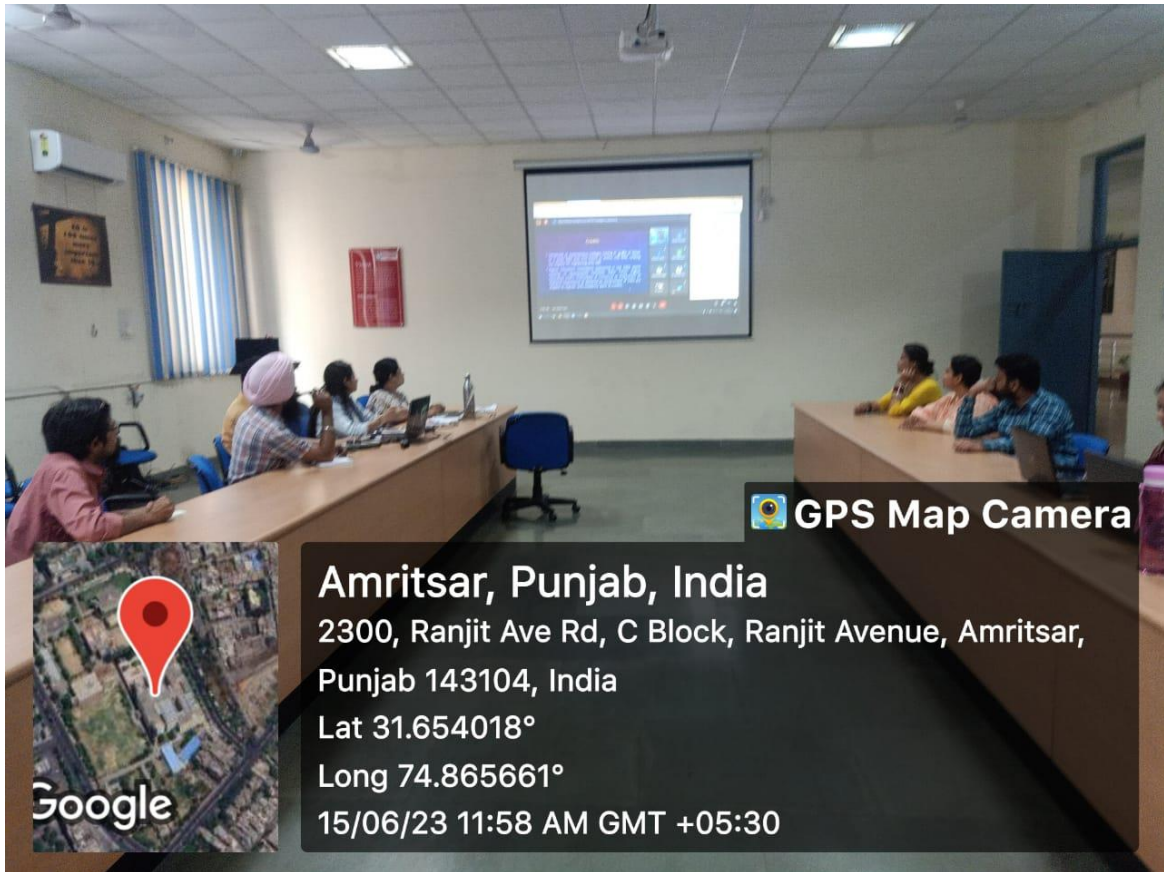

On the 2nd day, Dr. Suniti Dutt, Research Assistant, Media Engg. Deptt., NITTTR Chandigarh and Dr. Manisha Malik, Senior Visualizer, Media Engg. Deptt., NITTTR Chandigarh focused upon empowering teaching learning through augmented reality at its advanced level. They also demonstrated the Virtual Lab of various courses. Mr. Prerak Mittal, Visualizer/ Graphics Artist, Media Engg. Deptt., NITTTR Chandigarh enlightened the faculty with immersive learning through virtual reality.

On 3rd day, Er. Kamaldeep, Senior Production Assistant, Media Engg. Deptt., NITTTR Chandigarh discussed the visual learning and how to produce effective video using OBS Studio along with MOOCs development. Faculty also done hands on practice of various tools in Unity Software, Augmented reality and OBS Studio.

On 4th day, Dr. Manisha Malik demonstrated various experiments using Virtual Laboratory. Dr. S.S. Pattniak describe the technology for effective curriculum design and how we can implement NEP 2020 in it.

On 5th Day, Dr. Suniti Dutt envisions the faculty through the creating and running educational channel and preparing students for placements and competitive exams. The STC was ended with the discussion on the questions given in different quizzes, open discussion about NEP 2020 and Feedback.

The aim of STC was to explore the change in face-to-face teaching practices. Learning to teach through technology integration may be a catalyst for faculty to reflect on and evaluate their current teaching practices. Overall, the STC was a great success and participants gained valuable insight about Technology Integration and NEP-2020.