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Volunteering
for the future –
Geospatial excellence
for a better living

College Activities during the Covid 19 Pandemic

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Control points

Established using :

A, GPS inbuilt in Drone or UAV- accuracy about $\pm 3-10\text{m}$

B Fixed with ground control points –established GCPs with relative accuracy (X Y) $\pm 1\text{cm}$ and $\pm 2-3\text{cm}$ of height

- Accuracy of detail is with relative accuracy (X Y) $\pm 1\text{cm}$ and $\pm 2\text{cm}$ of height

Use of drone is popular now in Nepal and used Mining, Municipal mapping, House numbering, Mapping of Glacial movement

Conclusion

- Online education was necessary to conduct educational activities where teaching on physical presence was not possible.
- It had advantages of getting expert or senior lecturers when needed.
- Education activities were possibly carried out for the students and by the lecturers who were located anywhere in the countries and at any convenient time of students and lecturers.
- Internet facility and power supply were major disadvantages in developing countries, which was improved since the Covid 19 periods.

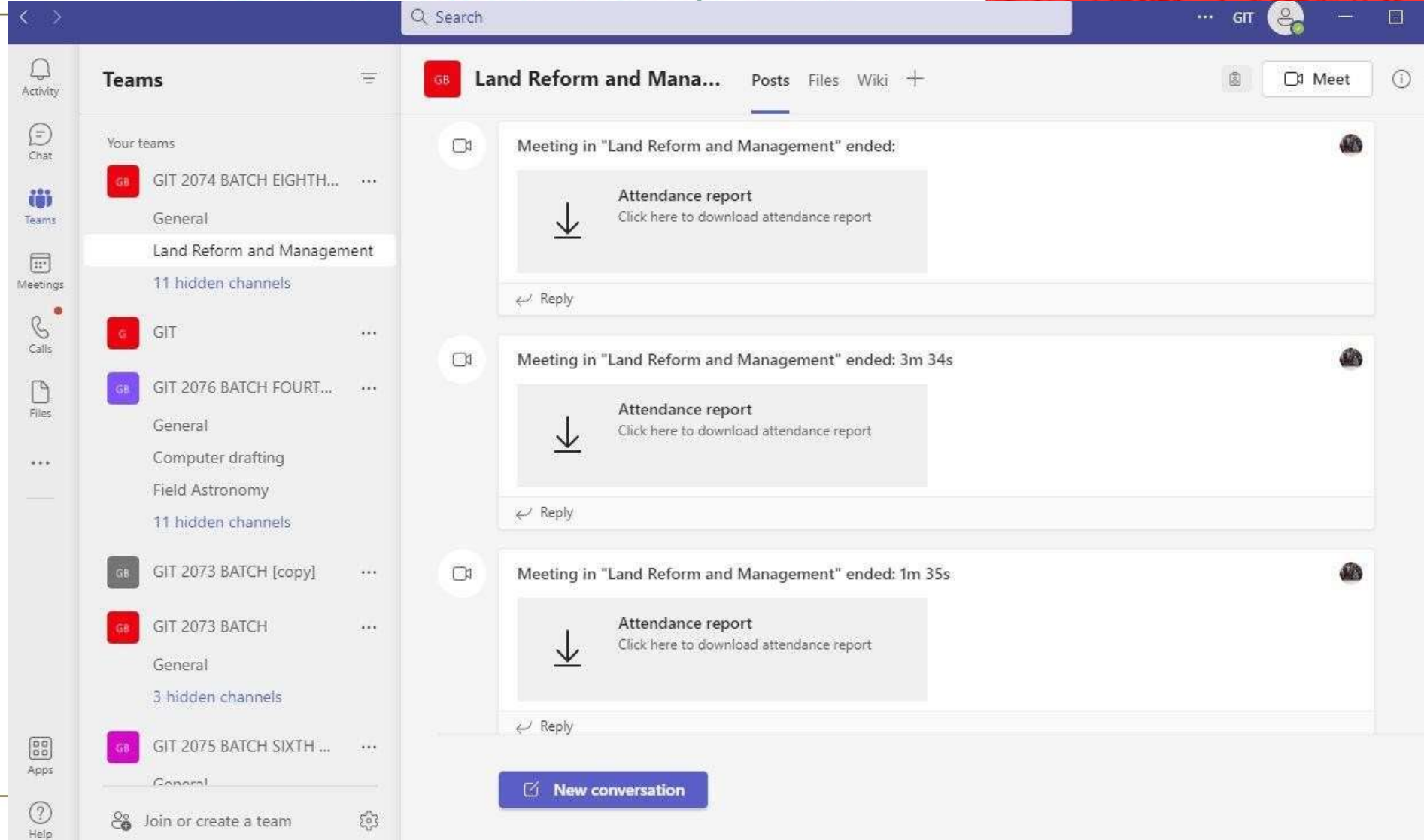
Conclusion 2

- In the engineering education, there were also weakness of grasping knowledge by the students with online education.
- If we have to run on line engineering education, it needs assistant of assistant lecturer to educate them in detail or show the displays.
- It needed to develop smart classes to run online classes/ meetings where blended education will help disseminate knowledge among students stationed as various locations.

Back ground

- Nepal had lockdown in March 25, 2020 and had lockdown two times after that till January 2022
- It suspended teaching in physical presence and commenced online education from March 23, 2020 via Microsoft Teams or Zoom software.
- The software license was purchased and ID code & number was provided to each lecturer and student which also recorded attendance.
- Two and half Semesters teaching by online, and field and practical / labs works were carried out physically following government instructions and safety

measures



The screenshot shows the Microsoft Teams interface. On the left is a navigation pane with icons for Activity, Chat, Teams, Meetings, Calls, Files, and Help. The main area is divided into two panes. The left pane shows a list of teams under 'Your teams', including 'GIT 2074 BATCH EIGHTH...', 'Land Reform and Management' (selected), 'GIT', 'GIT 2076 BATCH FOURT...', 'GIT 2073 BATCH [copy]', 'GIT 2073 BATCH', and 'GIT 2075 BATCH SIXTH ...'. The right pane shows a post from a meeting in the 'Land Reform and Management' team. The post contains three identical messages, each with a downward arrow icon and the text 'Attendance report' followed by 'Click here to download attendance report'. A 'New conversation' button is visible at the bottom of the right pane.



Back ground

- During the period the following assessments were carried out with Invigilation:
- 1. Internal assessment
- 2. Semester online examinations-
- 3. Semester physical examinations – with isolation of infected students
- 4. Field and practical / labs works
- Face Masks, testing temperature, maintaining physical distance and use of sanitizer were compulsory

Invigilation of Examination

- **1. Internal assessment**
 - - Questions were sent by Email with examination information
 - Student are asked to open their mobile during exam and returned their answer paper within one hour
- **2. Semester online examinations-** Questions were sent by Email with examination information
 - Student are asked to open their mobile during exam and returned their answer paper within one hour. Invigilator checked the students during examination

Invigilation of Examination

- **3. Semester physical examinations** – maintaining physical distance
- Invigilators checked the students during examination as usual
- infected students in isolation of separate rooms
- **4. Field and practical / labs works**
- Invigilators checked the students during examination as usual
- Face Masks, testing temperature, maintaining physical distance and use of sanitizer were compulsory. Face masks were used even during interviews

Other Matters

- The online education has drawbacks of lack of suitable hardware/ software, failure of internet, electricity and distractions on home-based pedagogy.
- In the engineering education, there were also weakness of grasping knowledge by the students.
- If we have to run on line engineering education, it needs assistant of assistant lecturer to educate them in detail or show the displays.
- It needed to develop smart classes to run online classes where blended education will help disseminate knowledge among students stationed at various locations.



THANK YOU

