

Big Blue Button

1. Document Upload:

- In TOPS this feature is presented , we can select the presented page to student.

2. WhiteBoard:

- It is an Physical board where faculty can write, draw and expalin concept in a classroom or meeting room.

3. Breakout Room:

- Will delete this option in TOPs.

4. Video option:

- meaning: the video option refers to all the camera-related settings and controls availables to participates in a virtual meeting

Options:

- start/stop the video
- Choose Camera view
- Virtual background/Blur
- Video effects/filters
- Video quality

Some of the optnions already there in our application

5. Chat:

- in our application chat have all the feature that required

6. Polling:

- As your requirement the flow is

Scenario:

Faculty is conducting an online class on “Database Management.”

- During the session, the faculty clicks “**Create Poll.**”
- Types the question:
- “Which SQL command removes a table permanently?”
- Adds 4 options:
 - A) DROP
 - B) DELETE
 - C) TRUNCATE

- D) REMOVE
- Pushes the question to all participants.
- Students select and submit their answers.
- Faculty dashboard shows:
 - 25 out of 30 students responded
 - 20 chose “A” → correct answer
 - 5 chose other options
- Faculty closes poll and views summary report.

What

we

have

- custom questions
- graphical display of summary

Need to add

- predefined questions
- upload question set

Database

- Unique user Id
- Question Id
- Selected option/text
- Respondent's user Id
- Timestamp

-this data will display in report also

7. Multi-User Whiteboard

What is the use for classes?

- A multi-user whiteboard is a shared, digital canvas where multiple people (teacher + students) can write, draw, and interact together in real time — just like everyone working on the same physical board at once.

- The teacher can explain and annotate.
- The students can also draw, highlight, or solve problems live.
- Everyone sees the updates instantly and simultaneously.

8. Shared Notes

How is this helpful in a class?

Shared Notes is a collaborative notepad built into your meeting or class session — where faculty and students can write, edit, and view notes together in real time.

It's like a Google Doc or Notion-style document, but linked directly to your live class.

Everyone can contribute — or it can be restricted to faculty-only writing.

Purpose in a Classroom

To make online classes more interactive, documented, and easy to review later, without needing to switch between apps or rely on individual note-taking.

It ensures all key points discussed in class are captured and accessible to everyone.

9. Screen Share

Can the teacher control who can share the screen?

Answer: yes

10. Webcam Video

What does this mean and do?

Ans: The Webcam Video feature allows participants (faculty and students) to share live video of themselves through their device's webcam or camera during an online class or meeting.

11. Learning Analytics Dashboard

Zoom

- Yes, Zoom offers an Analytics & Reporting dashboard where you can track meeting usage, quality metrics (audio/video/screen-share), device and network data.
Zoom+2Zoom+2
- Also offers “Meeting & Webinar Quality” reports and usage reports of participants. Nestnepal.com You can export, filter and view historical data. So yes — this works for multiple sessions over time.

GoToMeeting (and related GoTo products)

- GoTo Meeting's feature list speaks mostly about meeting functionality (video, screen share, drawing tools) rather than deep analytics for student engagement. goto.com+1
- I could not find strong public documentation about a fully-fledged "learning analytics dashboard" for GoTo Meeting specifically (in the educational sense of tracking student interaction).
- There are related GoTo/Connect/Contact Center analytics products that show real-time dashboards, exportable/reportable data for communications and call center contexts. goto.com+1
- So in short: GoTo Meeting may allow export of meeting data (attendance, duration, maybe basic engagement) but may not have the specialized student-engagement analytics you want out-of-box.

TOPS

- From your screenshot you already have a strong analytics dashboard capturing per-user metrics (online time, webcam time, talk time, messages, raise hands) and export capability.
- Because you control this platform, you can design it exactly to your educational context (polls, student participation, analytics over multiple sessions).
- This gives you the best of both worlds: real-time + historical + pedagogical insight.

Summary:

Yes, the platforms do offer analytics tools.

Mostly these are after the class / meeting (post-analysis) rather than fully real-time for teacher decision making.

And yes, many of them allow saving/reporting over time (multiple classes/sessions) if you have the right license or export functionality.

Are these analytics meant for during the class (live) or after the class?

In Zoom: You can view live dashboards (for example participant counts) but much of the detailed analytics (quality, usage, trends) are afterwards in reports. Zoom+1

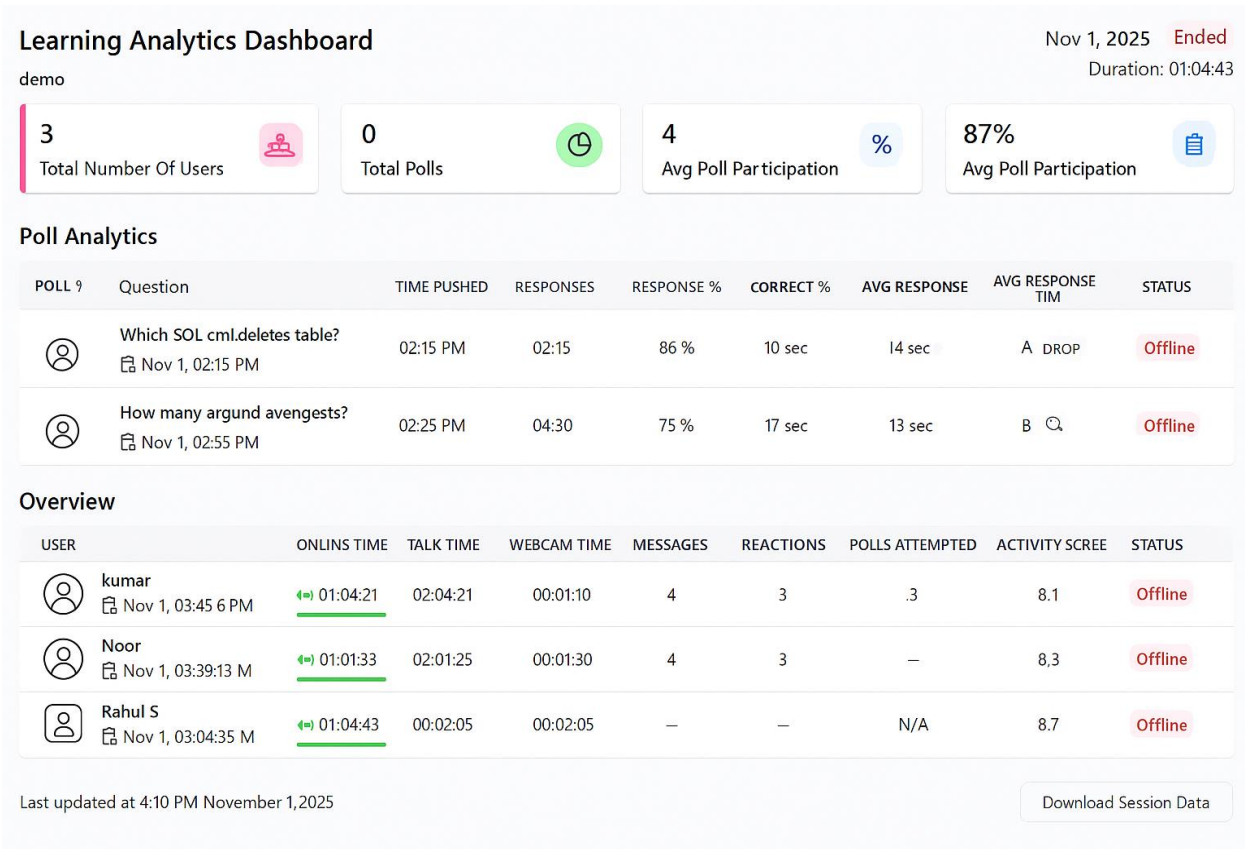
TOPS: after end the meeting we can see the analytics

Can we save analytics reports and track over a period / multiple classes?

Yes. Zoom allows export of data, filtering by date, and historical trends. nestnepal.com+1

So you can maintain records, build trend reports, track over time (e.g., per faculty, per class, per student) — provided you design your system to store and aggregate that data.

In our website we display the analytics dashboard with polling data like below image



11. Brand customization

Colors and themes,dashboard need to upgrade

12.Recording :

- only faculty can record the video

13. Virtual Backgrounds

- we can change the virtual background when you turn on the camera and you can upload virtual background image also

14. Security (Waiting Room, Passcodes):

Passcode Protection

- Faculty can enable an additional layer of security using a Meeting Passcode.
When enabled:
- Students must enter the correct passcode (shared by faculty) before they can join the class.
- Only participants with the correct passcode can access the meeting.

Waiting Room

- The Waiting Room feature ensures that only authorized participants can enter the class.
When the faculty shares a meeting link, students can:
- Click the meeting link and enter their name to join.
- They are first placed in a Waiting Room — a secure lobby area.

15. Integrations (LMS, Google, MS Teams, etc.)

16. Calendar Integrations/scheduling

This need to integrate for scheduling meeting

17. Multi-device Support

- **TOPS** Support Multi-Device

18. integrations (LMS, Google, MS Teams, etc.)

How can we integrate TOPS with our mobile app and give access to online classes directly through our mobile app without having to log in again for the classes?

Ans: Multi-device & integration support means students and faculty can securely join TOPS online classes directly from your mobile app or LMS—using single sign-on (SSO)—without needing to log in again.





19. Drawing Tools/Annotations

- Only have whiteboard in TOPS

20. AI Companion (summaries, smart recording, chat compose, etc.)

AI Companion means an artificial intelligence assistant built into the meeting platform that helps automate tasks and improve learning efficiency.

It can perform smart functions such as:





-  Meeting Summaries: Automatically generate notes or key points discussed.
-  Smart Recording: Record and transcribe audio/video, then highlight important segments.
-  Chat Compose: Suggest or auto-generate responses or messages in chat.
-  Question Assistance: Answer questions or summarize long discussions in real time.

👉 In short: AI Companion helps faculty and students save time by automatically summarizing, recording, and assisting during and after the class using AI.

21. Zoom Phone (cloud phone system)

Zoom Phone is a cloud-based phone system built into Zoom that lets users make and receive regular phone calls (like a business phone) using the internet instead of traditional telephone lines.

It includes features like:

-  Calling from your laptop or mobile (no physical phone needed)
-  Cloud storage for voicemails and call logs
-  Call transfer, forwarding, and recording
-  International calling using the same Zoom app

👉 In short: Zoom Phone turns Zoom into a complete internet-based phone system for professional voice calls — not just meetings.

22. End-to-end encryption