ICT Services to Support E-Learning at GJU

March 11, 2020
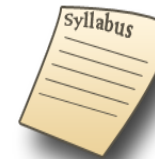
Dr. Feras Al-Hawari

Director, Information Systems and Technology Center

Overview

▸ E-Learning Infrastructure at GJU

▸ E-Learning Platforms at GJU

▸ Learning Models at GJU

▸ Online Learning Requirements

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Infrastructure to Support E-Learning

High-speed Network

Video Conferencing

Computer Labs

Private & Public Clouds

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Main Platforms for E-Learning at GJU

FPOC

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MyGJU

- GJU Portal
- Integration with SIS, AIS, HR, etc.
- **FPOC for E-Learning**

- Schedules
- Email
- Attendance
- Course Syllabus
- Course Materials
- Course Folders
- Grades
- Evaluation

- QA
- Management

Moodle & BBB

- LMS
- Was mainly used before for Course Materials & Attendance

- Still used for <u>Quizzes</u>
- Can be used for suitable <u>external plugins</u>

- Potential integration with the BigBlueButton plugin to provide <u>Chat</u> & <u>Conferencing</u>

Since 2010

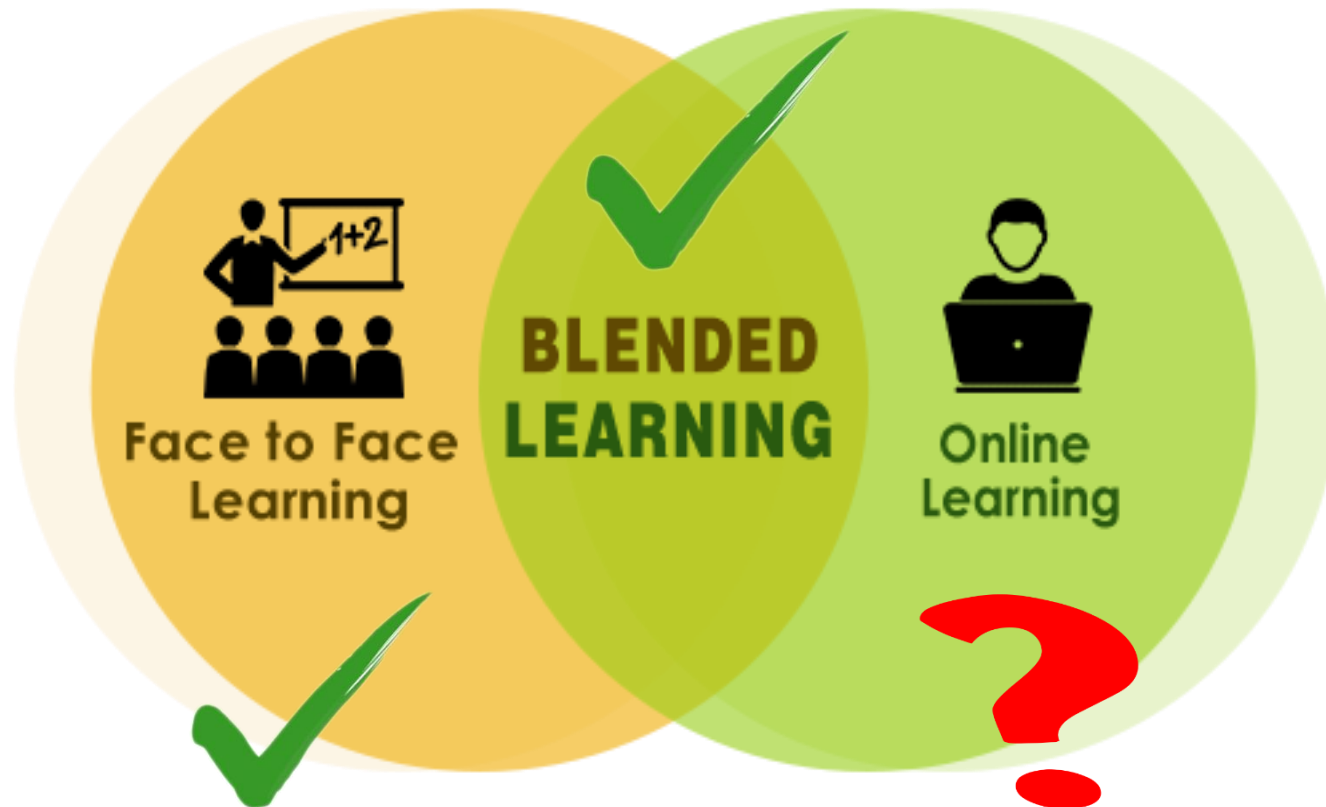**BigBlueButton**

Possible 2020 by ISTC

Office 365

- **Authoring**: Word, PPT, OneNote, White board, etc.
- **Chat & Conferencing**: Teams & Skype
- **Course Materials**: OneDrive, Teams, Stream

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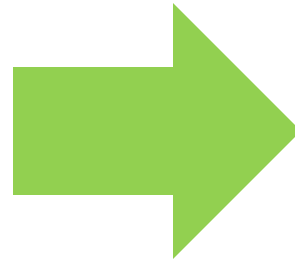# Learning Models at GJU

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Online Learning Requirements

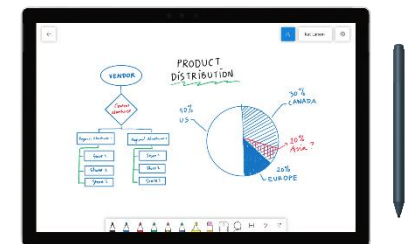- **Video conferencing & recording (to live stream & record lectures)**

- **Chat (collaboration & conversation)**

- **Sharing (slides, whiteboard, window, desktop, etc.)**

- **Attendance & Exams ??**

- Licensed or open-source platforms (Available)

- Stable, easy-to-use, secure, and controlled platforms (To discuss & **Verify**)

- **Trained staff** (Schools & IT)

- Equipment & budget ??

- High speed internet service

Conferencing/Chat/Sharing/Recording Platforms

Microsoft Teams

Skype for Business

BigBlueButton

<u>Not recommended</u> **until now, although it has nice features!**

High possibility (needs testing)

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Skype for Business
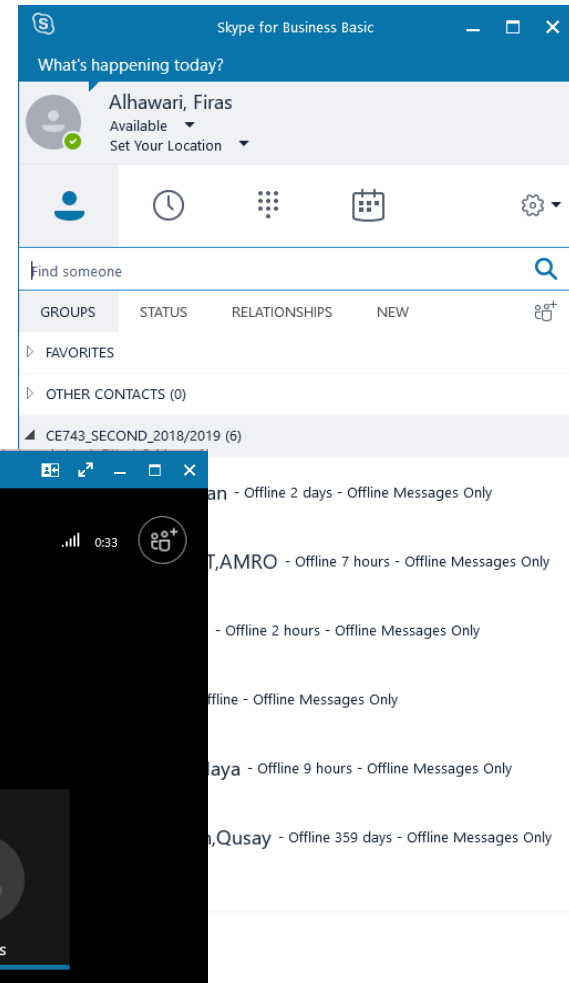
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Big Blue Button

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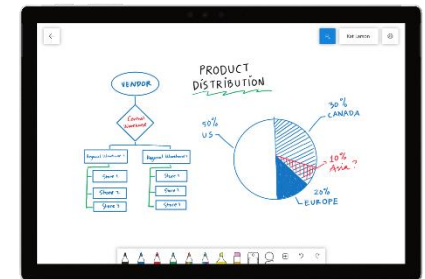
Possible Online Course Steps

- Use Skype for Business (or BBB) to stream and record lectures (<u>chat & share</u>)

- Upload lecture videos to MS Stream (or YouTube) to share with students

- Make the lecture video URL available in MyGJU

- Upload slides and class materials in MyGJU

- <u>Authoring apps</u> to use: PPT, OneNote, and Whiteboard

THANK YOU