



LEARNING MANAGEMENT SYSTEM

By Noorullah Saeed

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WHAT IS LEARNING MANAGEMENT SYSTEM (LMS)?

01

Learning Management System (or LMS) is a broad term used to describe software tools designed to manage user learning interventions and provide access to online learning services for students, teacher, and administrator.

02

A software system, that allows the development and delivery of educational courses using the Internet as a delivery system.



Why LMS?



Access to information anytime, anywhere

Students can get access to study materials from anywhere and at any time.

Most modern LMSs have mobile apps that allow students to engage with e-learning content on any device.



Centralized information

All study materials are consolidated in one location.

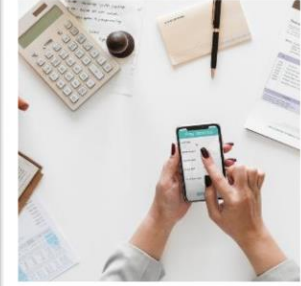
Students can quickly exchange various resources.



Increased communication

Students can make connections and exchange opinions with others.

Students stay updated with the latest news from teachers and friends.



Studying becomes more enjoyable

Students can study at their own pace, especially if your LMS has support for self-paced classes.

Rich and engaging content makes learning more effective and students more involved.



Time saving

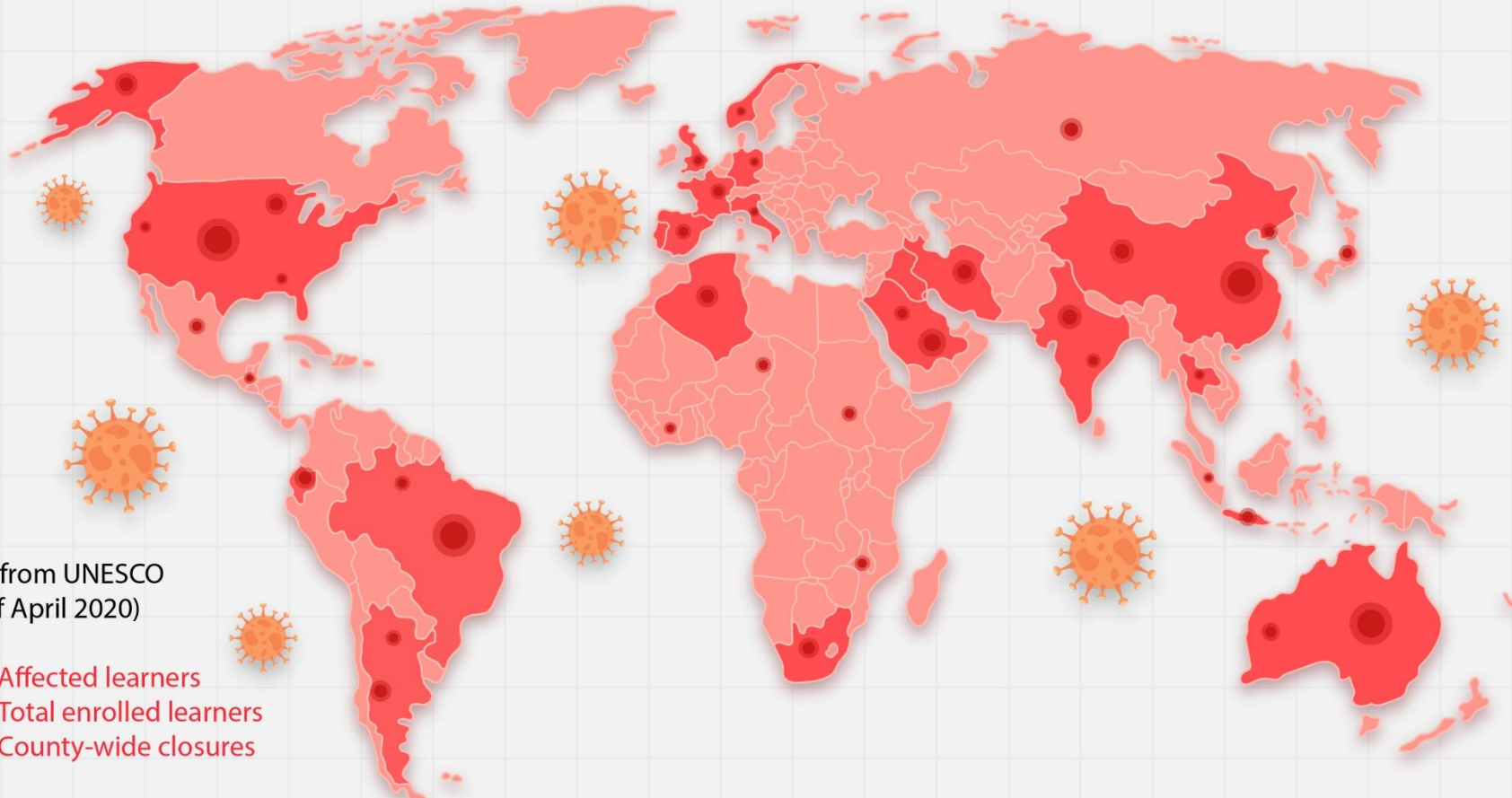
Students can rapidly find important and relevant material.

Students can submit assignments with just one click.

Fast and extensive updates on their learning progress.

COVID-19 CORONAVIRUS

COVID 19- PANDEMIC IMPACTS IN EDUCATION SECTOR



Source from UNESCO
(12th of April 2020)

1.5 bn Affected learners
89.5% Total enrolled learners
188 County-wide closures

COVID 19- PANDEMIC IMPACTS IN EDUCATION SECTOR

COVID-19

Srilanka

Status – Country-wide

Affected learners – 5,218,372

(F 2,659,033 , M 2,559,339)

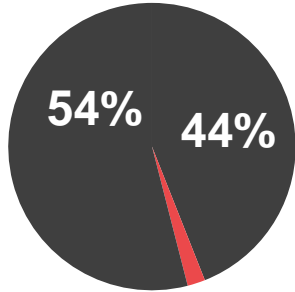
Preprimary: F 235,090 , M 229,099 (464,189)

Primary : F 849,494, M 875,930 (1,725,424)

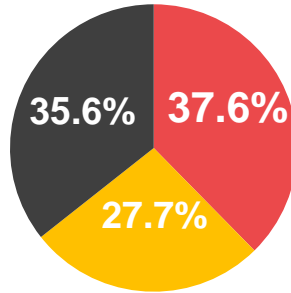
Secondary: F 1,394,401 , M 1,333,564 (2,727,965)

Tertiary : F 180,048 , M 120,746 (300,794)

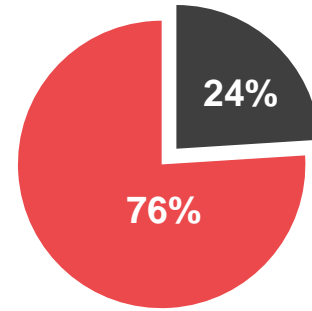
WHO TEACHES IN SRI LANKAN SCHOOLS



1 Teacher for 17 Students



Number of schools in
Sri Lanka



252,886
Total Teacher



TOP ONLINE AVAILABLE LMS PLATFORMS



SOME E-LEARNING WEBSITES IN SRI LANKA



GOVERNMENT SCHOOL CONTENT

The graphic features the 'E-Thaksalawa' logo at the top left, which includes the text 'e-Thaksalawa' and 'The National Learning Portal for the General Education'. Below the logo, it says 'START YOUR LEARNING JOURNEY WITH E-THAKSALAWA'. At the bottom, there are three buttons labeled 'සිංහල', 'සිංදිය', and 'English'. The central illustration shows a student in a red hoodie sitting at a desk with a laptop, wearing headphones. The background is a light pink with floating icons of a book, a lightbulb, and a document.

<http://www.e-thaksalawa.moe.gov.lk/>

MAKER SPACES

This block contains five logos for maker spaces. From top to bottom: 'igniter SPACE' with a stylized 'i' and 'S' logo; 'thinger.io' with a blue circular logo; 'TECHNO BRAIN INTERNATIONAL' with a brain icon made of colorful dots; 'LEARNWARE' with a gear icon; and 'magicbit' with a logo of two glowing eyes and the tagline 'Redefining Innovation'.

EDUCATIONAL TRENDS IN SRI LANKA 2020

SMART CLASSROOMS



<https://www.readme.lk/sri-lankan-smart-classrooms/>

DISTANCE EDUCATION (DEMP) / MOOCs



<http://www.ou.ac.lk/>

ONLINE GIT EXAMS (O LEVEL)



**General Information
Technology Examination (GIT)
Online Pilot Test 1**

<https://www.dailynews.lk/2019/03/07/local/179610/git-examination-online-first-time>

WHY WE NEED OWN LMS? OR THREATS OF HAVING 3RD PARTY LMS



Downtime

This is unknown threat if LMS provider may face power loss, low internet connectivity, service maintenance, etc.

Cost Fluctuation

Usually 3rd party LMS avoids the potentially exponential costs of installation then come up with monthly fees after the first year, to cover additional operational expenses. Or, a host could start charging for features that were once free, such as support services.



Support/Technical Issues

Not only the LMS but also most of the 3rd party cloud applications fail to provide proper support to the customers, theirs isn't the best.

Privacy

When you use a 3rd party LMS, your data is no longer on your physical storage. So who is responsible for making sure that data is secure? That's a Gray area that is still being figured out.



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Zohyper LMS



Zohyper LMS



A person responsible for general system , teacher Administration and course settings.



A person responsible for creating and administering Topics and Lessons for Courses , managing the whole learning process



A learner enrolled into one or several courses

LMS

Classroom Features

- Teacher and Student Administration
- e-learning Programs and Training Contents
- Courses and Online Events
- Internal Communication System(Built in Mail)
- Documentation
- Tracking and Reporting of the e-learning programs
- Forums to interact between the Students and Teacher
- Support Portability and Standards
- Display scores and transcripts
- Provided SSL Security Systems

WinSYS  **CITY CAMPUS**
The network security training provider of the nation

WELCOME TO WINSYS LMS

LMS Web Conference System
Design For Online Learning
Platform



What is Virtual Classroom



- A virtual classroom is a digital replica of a traditional classroom or training room. The instructors teach, and the participants learn in real-time, face-to-face but via internet-enabled technology devices.
- The classroom or the meeting room staple – whiteboard – remains intact. Brainstorming, ideation, and discussions happen in real-time. Tests are given and taken pre and post the session.
- The reports are ready right after the session is over.
- Everything remains the way it is. The only difference is: an online classroom uses technology to support instruction and learning. What are the advantages of virtual classroom? It offers more flexibility over a traditional classroom.
- You can deliver the instruction to a geographically dispersed audience at one time. Both the instructors and learners have rich experience of collaborating with other learners and instructors from around the world. The attendance is automatically tracked.
- Moreover, online collaboration typically incorporates more communication tools, such as chat, open discussion boards, polls, multimedia content and social media.

Virtual Classroom



Test Lecturer



Dashboard > My courses > Test_Lecturer

 [Announcements](#)

Your progress ⓘ

[TOPIC 1](#)

 [Lec_Test](#)

● **Virtual Classroom**



[TOPIC 2](#)

[TOPIC 3](#)


[TOPIC 4](#)

Activate Windows
Go to Settings to activate Windows.



Virtual Classroom Feature



- 
- Multi-Screen sharing
 - Enlarged video conference
 - Integrated Content Library
 - Fluid Whiteboard Experience
 - Session Recording & Playback
 - Line tool and shapes
 - Wolfarm | Alpha | Live chat
 - Document reader and annotation tools
 - Concatenate recorded files
 - Cloud Media Player
 - Attendance Report
 - Mobile / Tablets support
 - 'Raise Hand' Feature
 - Latex equation editor

Virtual Classroom



Test Lecturer

Dashboard > My courses > Test_Lecturer > Topic 1 > Lec_Test

Lec_Test



This conference room is ready. You can join the session now.

Join session

Recordings

There are no recording to show.

Import recording links

← Announcements

Jump to...



Activate Windows

Go to Settings to activate Windows.

Virtual Classroom

01



MESSAGES

Public Chat

NOTES

Shared Notes

USERS (4)



Sh Shashikala De S... (You)

Mu Murali Krishna

Sh Sharonath purusoth...

Sy System Administrator



Lec_Test | 04:01

Sharonath purusoth...

System Administrator

Murali Krishna

WELCOME TO
WINSYS LMS

LMS WEB
CONFERRING SYSTEM
DESIGNED FOR
ONLINE LEARNING



GROUP USERS INTO
BREAKOUT ROOMS
FOR TEAM
COLLABORATION



POLL YOUR USERS
ANYTIME



SHARE YOUR SCREEN



DRAW TOGETHER



SEND PUBLIC AND PRIVATE
MESSAGES



HOLD VISUAL MEETINGS



COMMUNICATE USING
HIGH QUALITY AUDIO



EXPRESS YOURSELF

Slide 1

100%



Activate Windows
Go to Settings to activate Windows.

Polling System

02



- MESSAGES
- Public Chat
- NOTES
- Shared Notes
- USERS (4)
- Shashikala De S... (You)
 - Murali Krishna
 - Sharonath purusoth...
 - System Administrator

Lec_Test | 05:07

WELCOME TO WINSYS LMS

LMS WEB
CONFERRING SYSTEM
DESIGNED FOR
ONLINE LEARNING

- GROUP USERS INTO BREAKOUT ROOMS FOR TEAM COLLABORATION
- POLL YOUR USERS ANYTIME
- SHARE YOUR SCREEN
- DRAW TOGETHER
- SEND PUBLIC AND PRIVATE MESSAGES
- HOLD VISUAL MEETINGS
- COMMUNICATE USING HIGH QUALITY AUDIO
- EXPRESS YOURSELF

Start a poll

Upload a presentation

Share an external video

Slide 1

100%

Study Material

Activate Windows
Go to Settings to activate Windows.

White Board

03



MESSAGES

Public Chat

NOTES

Shared Notes

USERS (4)

- Sh Shashikala De S...(You)
- Mu Murali Krishna
- Sh Sharonath purusoth...
- Sy System Administrator

Lec_Test | 06:17

Sharonath purusoth...

Slide 2

100%

+

✂

🖌

📄

Tools

- 🖌
- 📄
- 🔴
- ↺
- 🗑
- 📄

Activate Windows
Go to Settings to activate Windows.

White Board Tools

04



MESSAGES

Public Chat

NOTES

Shared Notes

USERS (4)

Sh Shashikala De S...(You)

Mu Murali Krishna

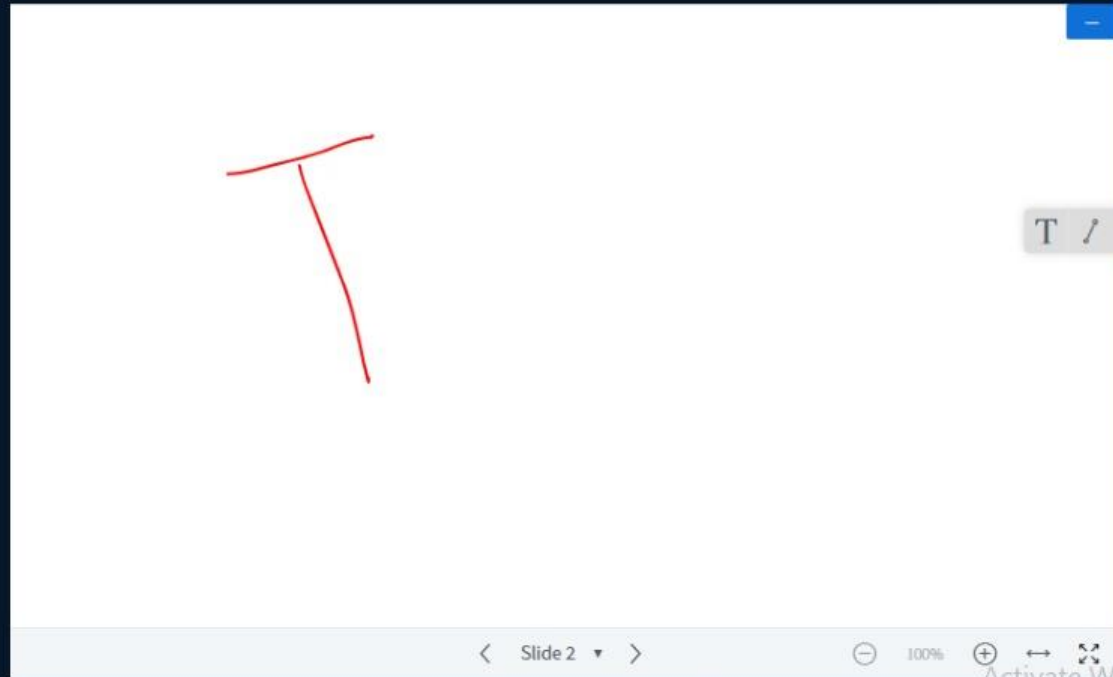
Sh Sharonath purusoth...

Sy System Administrator



Lec_Test | 07:49

Sharonath purusoth...



< Slide 2 >

100%



Activate Windows
Go to Settings to activate Windows.

Live Group Work

05



MESSAGES

Public Chat

NOTES

Shared Notes

USERS (2)

- Sh Shashikala De S... (You)
- Mu Murali Krishna

Public Chat

Welcome to Lec_Test!

For help on using BigBlueButton see these

- Clear all status icons
- Turn off meeting mute
- Save user names
- Lock viewers
- Create breakout rooms**
- Write closed captions

Send message to Public Chat

Lec_Test | 02:57

WELCOME TO WINSYS LMS

LMS WEB
CONFERRING SYSTEM
DESIGNED FOR
ONLINE LEARNING

GROUP USERS INTO BREAKOUT ROOMS FOR TEAM COLLABORATION

POLL YOUR USERS ANYTIME

SHARE YOUR SCREEN

DRAW TOGETHER

SEND PUBLIC AND PRIVATE MESSAGES.

HOLD VISUAL MEETINGS

COMMUNICATE USING HIGH QUALITY AUDIO.

EXPRESS YOURSELF

Activate Windows
Go to Settings to activate Windows.

Live Group Work

06



Breakout Rooms

Close

Create

Tip: You can drag-and-drop a user's name to assign them to a specific breakout room.

Number of rooms

Duration (minutes)

2

15



Randomly assign

Allow users to choose a breakout room to join

Not assigned (1)

Room 1

Room 2

Shashikala De Silva

Murali Krishna

Presentation

07



Presentation

Close

Upload

As a presenter you have the ability to upload any office document or PDF file. We recommend PDF file for best results. Please ensure that a presentation is selected using the circle checkbox on the right hand side.



CURRENT default.pdf



test.pptx

Converting file ...



Presentation

08



Presentation

Close

Confirm

As a presenter you have the ability to upload any office document or PDF file. We recommend PDF file for best results. Please ensure that a presentation is selected using the circle checkbox on the right hand side.

 **default.pdf**



Drag files here to upload
[or browse for files](#)

Activate Windows
Go to Settings to activate Windows.

Live Presentations 11



MESSAGES

Public Chat

NOTES

Shared Notes

USERS (1)

Sh Sh Shashikala De S... (You)



Lec_Test | 18:29

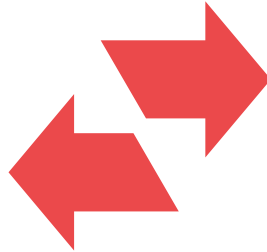


- Make fullscreen
- Settings
- About
- Help
- Keyboard shortcuts
- End meeting**
- Logout



Activate Windows
Go to Settings to activate Windows.

Traditional vs Virtual classroom



- Teaching limited to and within the classroom
- The costs incurred on infrastructure, travel and learning material are high.
- The use of learning technologies is limited in the traditional classroom
- Teachers have to follow the same process for every student batch. More work hours are spent on repetitive tasks.

- Teaching from anywhere is possible
- The costs of infrastructure, travel and learning materials come down to a minimum
- There's no limit on the number of technologies and the way they can be used in an online classroom.
- You can automate a major part of the process. Also, the students can go over the class recordings to reinforce classroom learnings.



STUDENTS



DASHBOARD

01



WinSYS CITY CAMPUS
The network security training provider of the nation

Dashboard
Site home
Calendar
Private files
My courses

Shashi Test Message

Customise this page

Recently accessed courses

No recent courses

Course overview

All (except removed from view)

BSc (Hons) in CYBER SECURITY May/June

Academic
BSc (Hons) in Cyber Security - Cohort04 ...

0% complete

Course name Card

Timeline

No upcoming activities due

Private files

No files available

Manage private files...

Online users

3 online users (last 5 minutes)

- Shashi Test Test
- Shashikala De Silva
- Ragul Sriranganathan

Latest badges

You have no badges to display

Accessibility settings

Activate Windows
Go to Settings to activate Windows.

May 2020

● Student Enrolled course

DASHBOARD

02



BSc (Hons) in Cyber Security - Cohort04 (Jan/Feb 2020 Intake)

● Student Enrolled course

Dashboard My courses **ifs_Cybor_Cohort04**

 [Announcements](#)

Your progress 

[CT6038: DISSERTATION AND RESEARCH METHOD](#)

● Modules

[CT6033: CYBER SECURITY MANAGEMENT](#)

 [Assignment - Cyber Security Management](#)

[CT6034: ADVANCED NETWORKING & SECURITY](#)

[CT6027: ADVANCED TOPICS IN TECHNOLOGY AND INNOVATION](#)

[CT6042: SECURE CODING](#)

[CT6039: DISSERTATION](#)

Activate Windows
Go to Settings to activate Windows.



BSc (Hons) in Cyber Security - Cohort04 (Jan/Feb 2020 Intake)

Dashboard My courses Wisc_Cyber_Cohort04 C18032: Cyber Security Management Assignment - Cyber Security Management

Assignment - Cyber Security Management ● Modules

In the assignment, it mentioned that you have to find a company in UK because this is a UK program. But you can find a company in Sri Lanka and write your report.

How you rename the assignment files? (follow this for future)

BatchWithUOGNo_Name_Code_ModuleShortForm_FileName

example: WISC04_400543_ShoshikadaSiva_C18032_CSM_Report

Read carefully the assignment final output requirements:

Report (Word file & PDF) - Minimum 3000 words

PowerPoint Presentation - 15+ slides

Marks: 20% for PowerPoint Presentation

80% for Report

If you fail one of the above you have to resubmit the complete assignment(both report & Presentation). Reassessment will release for those who failed only.

- 📄 C18032 Cyber Security Management - Assignment.pdf 9 May 2020, 12:10 PM
- 📄 C18032 Cyber Security Management - Assignment.pdf 9 May 2020, 12:10 PM
- 📄 C18032 Cyber Security Management - Assignment.pdf 9 May 2020, 12:10 PM

Submission status

Attempt number This is attempt 1 (5 attempts allowed)

Submission status No attempt

Grading status Not graded

Due date Sunday, 17 May 2020, 18:55 PM

Time remaining 8 days 8 hours

Last modified -

Submission comments

🗨️ [Comments \(0\)](#)

● Student can leave message to teacher

● Study Material

Activate Windows
Go to Settings to activate Windows.

DASHBOARD

04



- Course sections
- Participants
- Badges
- Competencies
- Grades**
- Dashboard
- Site home
- Calendar
- My courses
- Private files

BSc (Hons) in Cyber Security - Cohort04 (Jan/Feb 2020 Intake): View: User report

Dashboard | My courses | BSc_Cybor_Cohort04 | Grades | Grade administration | User report

User report - Shashi Test Test

Overview report | User report

Grade item	Calculated weight	Grade	Range	Percentage	Feedback	Contribution to course total
■ BSc (Hons) in Cyber Security - Cohort04 (Jan/Feb 2020 Intake)						
Assignment - Cyber Security Management	-	Grade	0-100	-	-	-
Course total	-	-	0-100	-	-	-

Stay in touch

WinSys City Campus
🌐 <http://winsys.lk>
📞 Mobile : +94 77 725 9927
✉ info@winsys.lk

📄 Data retention summary



Lecturer

DASHBOARD - Lecturer



 Lecturer Test Message

Customise this page

Recently accessed courses



No recent courses

Course overview

▼ All (except removed from view) ▼



Academic
HND in Cyber Security - Weekend (Batch 02)

📄 Course name ▼ 🗪 Card ▼

● Course

Timeline



No upcoming activities due

Private files

No files available

[Manage private files..](#)

Online users

2 online users (last 5 minutes)

-  Lecturer Test 
-  Shashikala De Silva 

Latest badges

You have no badges to display
Go to Settings to activate Windows.

Calendar



Features



Seleccione una opción a continuación para iniciar su encuesta.

Sí / No	Verdadero / Falso
A / B	A / B / C
A / B / C / D	A / B / C / D / E

Para crear una encuesta personalizada, seleccione el botón a continuación e ingrese sus opciones.

Encuesta personalizada

- ☰ Iniciar una encuesta
- 📄 Subir una presentación
- 📺 Compartir un video externo
- 📺 Stream session

Acciones

SIP

< Diapositiva 2 >



Features



This conference is limited to 15 participants.

artidas



Start streaming

Stream URL

rtmp://

Close

Start

Utilize este slide para anotações

Dispositivo 2

Features



Seleccione una opción a continuación para iniciar su encuesta.

Sí / No

Verdadero / Falso

A / B

A / B / C / D

Para crear una encuesta, seleccione un botón a continuación e inicie la encuesta.

Encuesta

Start streaming



YouTube



RTMP

Utilize este slide para anotações

Comparison Chart



Features	Google Meet	Zoom Meetings	Zohyper LMS
Number of Participants	250*	300	Unlimited
Screen Sharing	Yes	Yes	Yes
Google Calendar Integration	Yes	Yes	Yes
Chromebox Conference Room Enabled	Yes	No†	yes
In-Conference Text Chat	Yes	Yes	yes
In-Conference Private Chat	No	Yes	yes
Polling	No	Yes	yes
Recordings	No	Yes	yes
Event Hosting with Participant Roles	Yes	Yes	yes
File Sharing	Yes	Yes	yes
Breakout Rooms	No	Yes	yes
Whiteboard	No	Yes	yes
LMS(Learning Management System)	No	No	yes
Class Scheduling	No	No	Yes
Assignment Uploading	No	No	Yes
Exam	No	No	Yes
Student Management	No	No	Yes
Material Sharing	No	No	Yes
Session Recordings Basic	1 GB	2 GB	100GB





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Thank You !!