

# LANKA EDUCATION AND RESEARCH NETWORK

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*National Research & Education Network of Sri Lanka*

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**SECURE INSTITUTIONAL MULTIMEDIA  
REPOSITORIES & ACADEMIC VIDEO HOSTING  
LEARN Tube (LTube)  
ON LEARN FOSS FREE OPEN CLOUD PLATFORM**

# INTRODUCTION – FOSS TEAM

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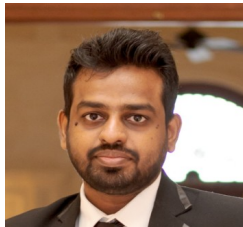
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# LEARN SAAS (CLOUD SERVICES)

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## INTRODUCTION

- LEARN has implemented set of software in its private cloud
- These tools can be accessed via internet software as a service
- Following software are available to use (<https://learn.ac.lk/index.php/service/foss-services>)
  - ODRaas – Open Digital Repository (DSPACE)
  - LEARN Event Management System (Indico)
  - LEARN virtual Class Room (vCR)
  - LTube – LEARN Tube (MediaCMS)
  - Moodle as a Service
  - WordPress as a Service
  - LIAF – LEARN Identity Access Federation
  - EduID
  - IaMlaas
  - EduRoam
  - EduVPN

# SESSION OUTLINE

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- LTube (MediaCMS)
- Demonstration – OBS Studio , Openshot, Handbrake, LTube
- Q&A

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**DIGITALIZING RESEARCH & ACADEMIC CONTENT  
and WORKFLOWS ON LEARN FOSS FREE OPEN  
CLOUD PLATFORM**

LEARN Tube (LTube) MediaCMS

# WHAT IS MEDIA CMS?

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- A Content Management System for digital media
- Helps manage videos, audio, documents, and images
- Supports teaching, learning, and research activities

# CORE FEATURES OF MEDIA CMS

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- Centralized media storage
- Metadata management for easy search
- Video/audio streaming support
- Role Based User access control and permissions

# END USER BENEFITS

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- Simplifies uploading and sharing of content
- Secure and reliable access to materials
- Viewing can allow to public or a pre-defined group (a student batch of a given course)
- Improves teaching delivery with multimedia
- Saves time through organized storage

# RBAC ROLES

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- Member - Can view media in the category
- Contributor - Can view and edit media in the category
- Manager – Same as the Contributor

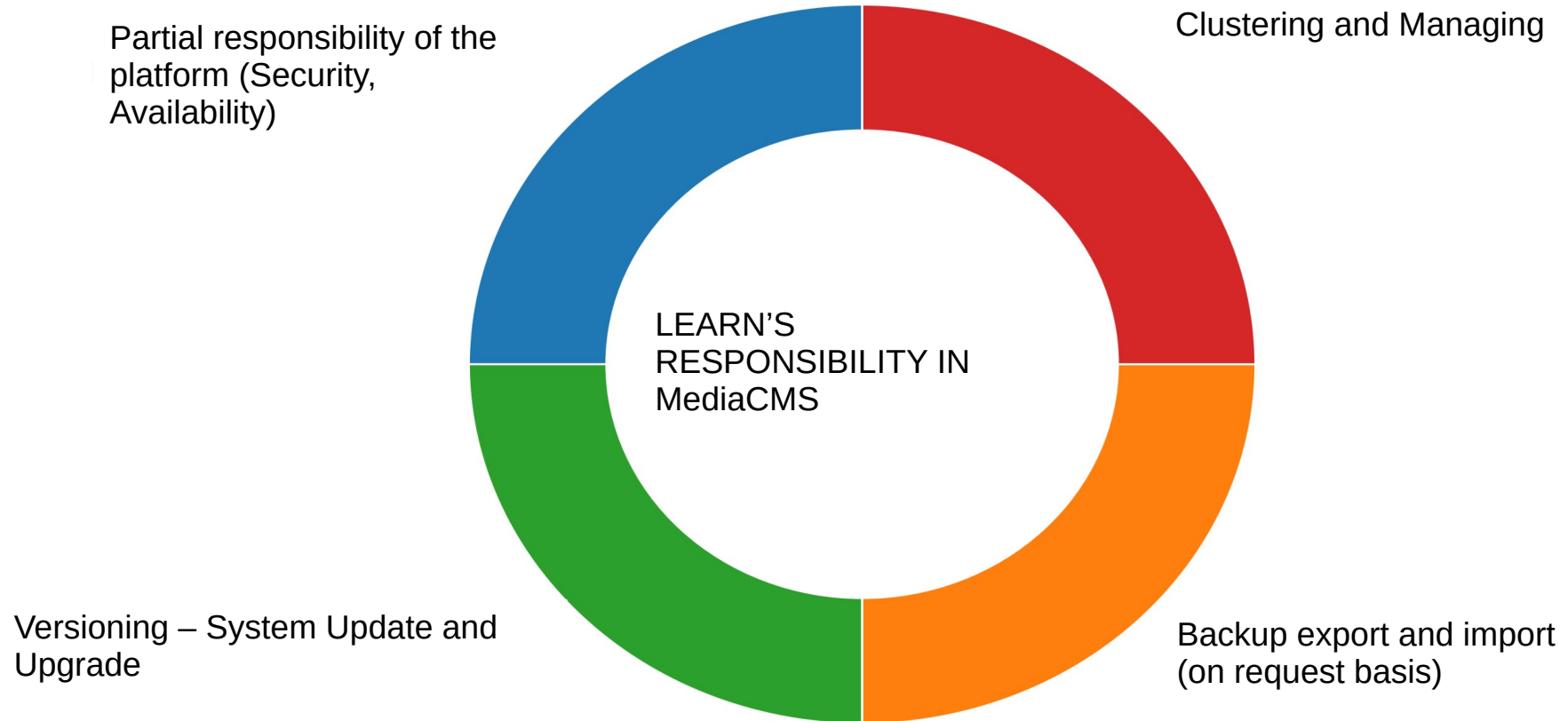
# SECURITY & ACCESS CONTROL

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- User authentication and role-based access
- Protects sensitive academic content
- Ensures compliance with data protection policies

# LEARN'S RESPONSIBILITIES IN LTube

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# RESPONSIBILITIES OF EDUCATORS IN LTube

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# WHAT CAN UPLOAD TO LTube

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- Original content only
  - Copyrighted content must not be uploaded
- Well-organized vidoes are welcome
  - Eg : a Video theory book
  - Don't upload whole zoom recording
  - Well edited, optimized videos to lower in size

# PROVISIONING LTube

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- This can only be provisioned for a Person, not a department or faculty
- We will create a category according to your **Subject** and assign that to you as the contributor
- Then you can upload media and assign that category to it
- Send the list of students to us, they will be assigned as members to that category to watch the content.
- Students have to create an EduID and log in to the LTube once before sending the list to us



# DEMO

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- For this demonstrations
  - Video Screen recording using OBS Studio (<https://obsproject.com/>)
  - Edit the video using OpenShot (<https://www.openshot.org/>)
  - Convert the video to smaller file size – HandBrake (<https://handbrake.fr/>)
  - Upload the video to Ltube (<https://ltube.learn.ac.lk/>)

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Q&A

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THANK YOU



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