

Role	Core Permissions	Scope of Access	Upload Rights	Management Rights	Admin	Full
system privileges; manages users, site structure, and content	Entire portal, including all branches, sections, subjects, and common groups	Anywhere	Universal	Teacher		
Upload/manage learning materials; assign Class Representatives (CRs)	Only to assigned Subject/Section/Branch/Year combinations	Assigned subjects	Assigned subjects/sections			
Class Rep						

Upload learning materials for their assigned subject/section; acts as a student leader
Same as the teacher who appointed them, but only for their designated subject/section
Assigned subject None (upload only) Student View/access materials for their section
and common groups Their own Year/Branch/Section and any common groups None
(unless

[1] [2] [3] Teachers are restricted to managing and uploading content only within their assigned teaching context (specific subject, section, branch, year) .

[4] [1] [3] Class Representatives (CRs) are students selected (typically by Admins) to upload materials for a specific subject/section, mirroring the teacher's upload rights for that context .

[4] Students have standard access: they can view materials for their section and common groups but cannot upload unless designated as a CR .

Branch: 6 engineering disciplines (CSE, ECE, ME, CE, EE, IT) Section: Subdivision within a branch/year (CSE has four sections per year: Genius, Brilliant, Smart, AI; others typically have one) Subject: Specific courses within a section (e.g., FLAT, DSA, Calculus)

Uploading Content:	Accessing/Viewing Content:	Feature/Action	Admin	Teacher	Class
Rep (CR)	Student Upload content Anywhere	Assigned subjects only	Assigned subject only	No (unless	

Manage users Yes No No No Assign CRs Yes Yes (for their section) No No View section materials All sections Assigned sections Assigned section Own section View common group materials Yes Yes Yes Yes Manage portal structure Yes No No No Common

Groups: Portal-wide categories (e.g., GATE), accessible to all users, with upload rights generally reserved for Admins or designated Teachers

Permissions & Access Rules

Teachers and CRs can upload only to their assigned subject/section/branch/year.

Admins can upload anywhere, including common groups.

All users can access materials in common groups (e.g., GATE), regardless of branch/year/section.

When a subject is clicked: The chatbot provides a YouTube video link for the subject.

It also provides a link to the notes page (uploaded by the teacher for that specific subject/branch/year/section).

Summary Table: Role Comparison

This structure ensures robust content segregation, clear responsibility, and streamlined access for all users within the educational portal.

✱✱ Best Practices in LMS Role Design

Clearly defined roles and permissions are crucial for system security, efficiency, and accountability .

[1] [2] Teachers and CRs should have narrowly scoped permissions to prevent unauthorized access or accidental changes outside their domain .

[5] Students should have simple, intuitive access to their own learning resources, with upload rights only when acting as CRs .