**Batch -** T7

**Assignment No. -** 4

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**Student PRN -** 23520011

Design and implement web-based application for managing online multiple choice (MCQ) exam. The system should support distributed contribution of questions by teaching assistants, editing of the questions by whoever is in charge of the course and creation of tests from the available set of questions.

It should be able to administer the tests online, either at a fixed time for all students or at any time but with a time limit from start to finish and give students feedback on their scores at the end of the allotted time.

Technology stack: Angular 19 / NodeJS, MySQL, for look and feel UI: use Tailwind CSS and / or any standard free tailwind-based website template

Requirement Specifications:

1. User management at different levels (Teachers / students)

2. Question Bank Entry form with provision of accepting images/mathematical expressions

3. Generic report generation: Should able to display/list any data.

4. Dashboard containing how many students have appeared for exam, their status- ongoing, terminated, completed etc.

**Database:**

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**Screenshots:**

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