| Web Development using MERN Stack Lab | L | P | C |
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| Discipline(s) / EAE / OAE | Semester | Group | Sub-group | Paper Code |
|---|---|---|---|---|
| CSE-in-EA | 6 | OAE-CSE-EA | OAE-1 | FSD-322P |
| EAE | 6 | FSD-EAE | FSD-EAE-2B | FSD-322P |

**Marking Scheme:**
1. Teachers Continuous Evaluation: 40 marks
2. Term end Theory Examinations: 60 marks

**Instructions:**
1. The course objectives and course outcomes are identical to that of (Web Development using MERN Stack) as this is the practical component of the corresponding theory paper.
2. The practical list shall be notified by the teacher in the first week of the class commencement under intimation to the office of the Head of Department / Institution in which the paper is being offered from the list of practicals below. Atleast 10 experiments must be performed by the students, they may be asked to do more. Atleast 5 experiments must be from the given list.

1. Task management tool: Login/Register to the application, add daily tasks, Assign a due date of completion, Mark them as complete/incomplete and View weekly/monthly statistics of their to-dos.

2. Blogging platform:

3. Social media platform

4. Weather Forecasting APP.

5. Bookstore Library and Stock keeping APP:

   a) **User Interface**: Browse Books from library, filter them based on category, author, publications, pay &amp; rent them for a specific duration, like/review them

   b) **Admin interface**: List/manage books, track rented books and their availability and send notifications via email to users once lease expires.

6. Build a simple CRUD application: create a web application that allows users to create, Read, Update and Delete data from a MongoDB database.

7. Design a web platform to help small businesses manage their inventory.

8. Create a web-based system to streamline the process of booking appointments.

9. Develop a web-based tool for medical professionals to easily store and access patient records.

10. Develop a web application to facilitate collaboration between teachers and students.