PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY(AUTONOMOUS) , KANURU, VIJAYAWADA

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR : 2024-25

CLASS: B.TECH III YEAR II SEM

COURSE: 20CS3603– MERN Stack Development

Assignment : 2

Make a 10 minute video presentation of the following mentioned topics of the respective team and upload it in drive on or before 28-03-2025.( before finalizing the mid marks)

Team 1 – installation of node js and its advantages and disadvantages. Explain how to create a server using node js environment. (CO2-L2)

Team 2 – Explain how server handles http get and post requests (CO2-L3)

Team 3 – Explain the role of express in creating the endpoint or APIs (CO2-L2)

Team 4 – What is react ? Explain how to create a react application without tools. (CO3-L3)

Team 5 – Explain how react improves the performance by using virtual DOM? (CO3-L2)

Team 6 – Explain how to create a component in react with a suitable example? (CO3-L3)

Team 7 – Explain how react maintains the state using hooks? (CO3-L2)

Team 8 – Explain how to create a form using react? (CO3-L2)

Team 9 – What is mongodb? Explain how to perform CRUD operations in Mongosh shell (CO4-L3)

Team 10- Explain how to create a Atlas account and create a collection in cluster? (CO4-L3)

Team 11- Explain how to perform CRUD operations without database in server? (CO4-L3)

Team 12 – Explain how to connect MongoDB(local machine) and perform CRUD operations? (CO4-L3)

Team 13 - Explain how to connect MongoDB(Atlas Account) and perform CRUD operations? (CO4-L3)

Team 14 – Explain how to connect React app fetches the data from server? (CO4-L4)

Team 15 – Explain role of MERN in the web application development(architecture). (CO1-L3)

Team 16 – Explore the other alternative technologies to MERN for web application development. (CO1-L4)

Team 17 – Explore Asynchronous programming in Javascript. (CO1-L2)

Course coordinator Module Coordinator

Program coordinator