

Ref No: CUIET/CSE/ACAD/2025/534

Date: 13-11-2025

NOTICE

ATTENTION: - B.E CSE Batch 2023

Test Type: CE

Test No: 2

Total Marks: 30

Duration: 120 min

Name of Course Coordinator: Dr. Salil

Course Code: 23CS008

Course Title: Back End Engineering -II

Day: Monday to Friday

Date: 17-Nov-2025 -21-Nov-2025

Time: As per lecture schedule

Mode: Offline

Group: 1-12 (iGamma) ,14,17-27(Gamma)

Specialization: Full Stack Engineering

Syllabus for Test:

Deep dive into authentication and authorization in Express.js, JWT implementation, WebSocket integration, and connecting Express.js with MongoDB. Introduction to version control using Git and GitHub. Relational databases including PostgreSQL and MariaDB (I & II), followed by NoSQL databases such as MongoDB, InfluxDB, Neo4j, and Redis. Database scaling strategies including indexes, sharding, and replication. Covers client-side and server-side caching (Redis), and web security practices including MD5, SHA, HTTPS, and TLS.

Format of Assessment:

Report: 5 Marks

PPT: 5 Marks

Execution of Project: 10 Marks

Viva : 10 Marks

Total: 30 Marks



Signature of Course Coordinator: