FACULTY OF ENGINEERING & TECHNOLOGY

COMPUTER ENGINEERING/INFORMATION TECHNOLOGY

B.Tech Sem-V Syllabus for 2nd Internal Examination October 2023

(2CEIT5PE4) Software Packages

Unit	Content
1	**Node.js with MySQL:** Introduction of MySQL database, Installation and environment setup of MySQL, Connecting to the MySQL Database Server from Node.js, Closing database connection, Executing queries: Create & delete database and table, insert, update and delete record(s), display record(s), sort and limit records
2	**Express.js Framework:** Basics of Framework, Introduction of ExpressJS, Feature of ExpressJS, Structure of web application, Create the web server using Express.js, Express.js Request and Response Object, Basic Routes with get(), post(), put() and delete() methods, Introduction of Middleware, Middleware Chaining, Types of Middleware, Express Router
3	**Introduction to ReactJS:** Introduction, Features, DOM, Virtual DOM, Libraries of React, React Components, Components types with an example