

# **VIDYA JYOTHI INSTITUTE OF TECHNOLOGY**

## **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

### **II Yr II SEM**

#### **SKILL DEVELOPMENT COURSE ON NODE JS**

1. Build a responsive web application for shopping cart with registration, login, catalog and cart pages using CSS3 features, flex and grid.
2. Make the above web application responsive web application using Bootstrap framework.
3. Use JavaScript for doing client – side validation of the pages for the above 2 web applications.
4. Develop a java stand alone application that connects with the database (Oracle / mySql) and perform the CRUD operation on the database tables.
5. Create an xml for the bookstore. Validate the same using both DTD and XSD.
6. Design a controller with servlet that provides the interaction with web application
7. Maintaining the transactional history of any user is very important. Explore the various session tracking mechanism using Cookies
8. Maintaining the transactional history of any user is very important. Explore the various session tracking mechanism using Sessions.
9. Develop an express web application that can interact with REST API to perform CRUD operations on student data
10. Create a react application for the student management system having registration, login, contact, about pages and implement routing to navigate through these pages.
11. Create a custom server using http module and explore the other modules of Node JS like OS, path, event.