

JDNET TECHNOLOGIES

(ISO 9001:2015 CERTIFIED INSTITUTION)

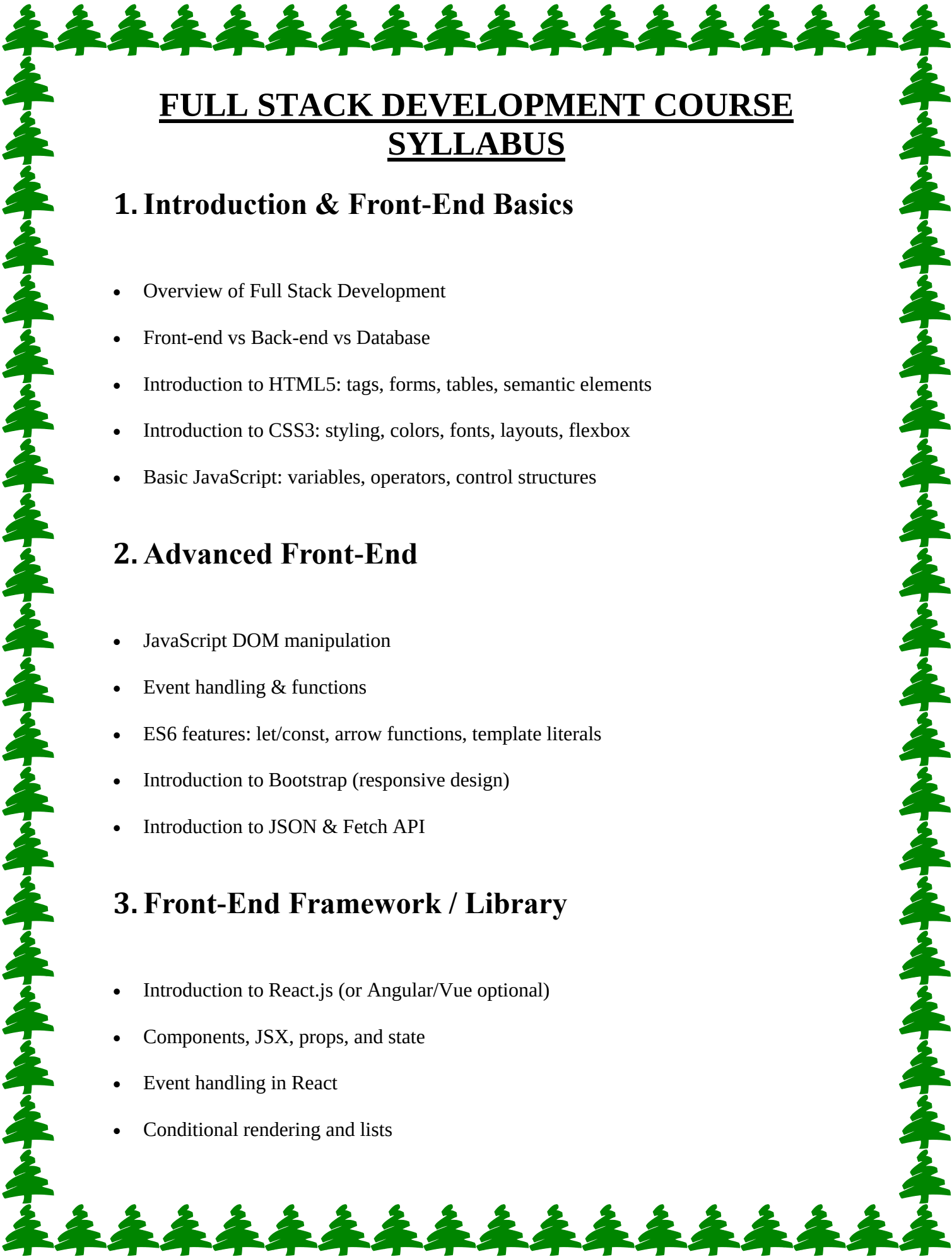
**NO:31, SUBBURAYA CHETTY STREET, THIRUPAPULIYUR,
CUDDALORE-2 (OPP DARLING ELECTRONICS).**

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FULL STACK DEVELOPMENT



TRAINING COURSES FOR ALL DEPARTMENTS



FULL STACK DEVELOPMENT COURSE

SYLLABUS

1. Introduction & Front-End Basics

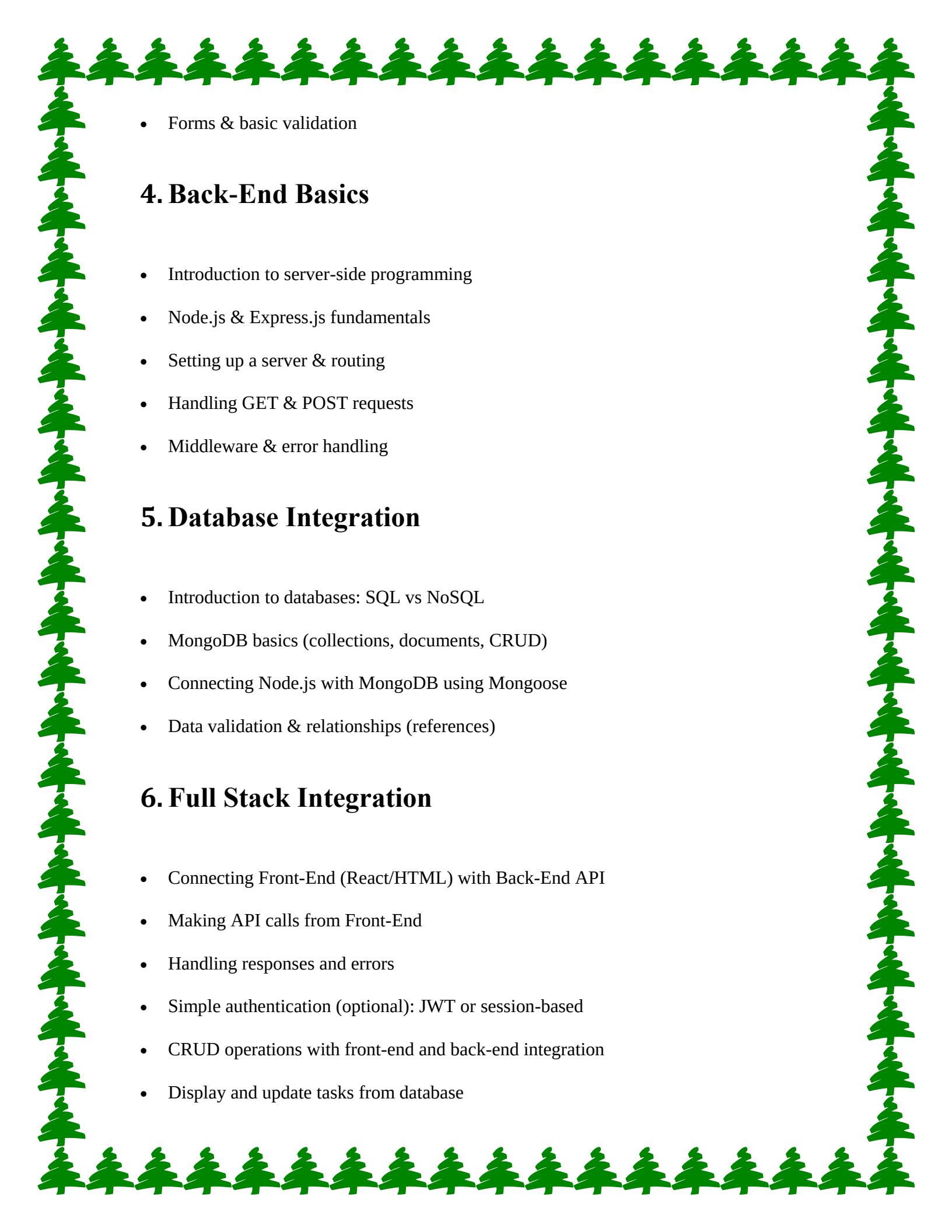
- Overview of Full Stack Development
- Front-end vs Back-end vs Database
- Introduction to HTML5: tags, forms, tables, semantic elements
- Introduction to CSS3: styling, colors, fonts, layouts, flexbox
- Basic JavaScript: variables, operators, control structures

2. Advanced Front-End

- JavaScript DOM manipulation
- Event handling & functions
- ES6 features: let/const, arrow functions, template literals
- Introduction to Bootstrap (responsive design)
- Introduction to JSON & Fetch API

3. Front-End Framework / Library

- Introduction to React.js (or Angular/Vue optional)
- Components, JSX, props, and state
- Event handling in React
- Conditional rendering and lists

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- Forms & basic validation

4. Back-End Basics

- Introduction to server-side programming
- Node.js & Express.js fundamentals
- Setting up a server & routing
- Handling GET & POST requests
- Middleware & error handling

5. Database Integration

- Introduction to databases: SQL vs NoSQL
- MongoDB basics (collections, documents, CRUD)
- Connecting Node.js with MongoDB using Mongoose
- Data validation & relationships (references)

6. Full Stack Integration

- Connecting Front-End (React/HTML) with Back-End API
- Making API calls from Front-End
- Handling responses and errors
- Simple authentication (optional): JWT or session-based
- CRUD operations with front-end and back-end integration
- Display and update tasks from database



Connect With Us

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