

# **RILT Syllabus (React, Inertia, Laravel, Tailwind)**

An organized syllabus covering Tailwind CSS, React, Laravel, and Inertia.js, culminating in a Hospital Management System project.

## **Module 1: Tailwind CSS**

- What is Tailwind CSS and its utility-first approach?
- Installing and configuring Tailwind CSS
- Building layouts with Flexbox and Grid
- Customizing Tailwind using the configuration file
- Building responsive components like Navbars, Forms, and Tables

## **Module 2: React (Frontend)**

- Introduction to React and JSX
- State management with Hooks (useState, useReducer)
- React Router for navigation
- Creating reusable components and managing forms

## **Module 3: Laravel (Backend)**

- Setting up Laravel and understanding MVC
- Routes, Controllers, and Views
- Eloquent ORM and database relationships
- Building APIs and implementing authentication

## **Module 4: Inertia.js**

- Introduction to Inertia.js
- Integrating React with Laravel
- Sharing data between frontend and backend
- Handling forms and validations with Inertia

### **Capstone Project: Hospital Management System**

- Frontend: React + Tailwind CSS
- Backend: Laravel + Inertia.js
- Features: Patient management, appointment booking, role-based dashboards

# **VILT Syllabus (VueJS, Inertia, Laravel, Tailwind)**

An organized syllabus covering Tailwind CSS, VueJS, Laravel, and Inertia.js, culminating in a Hospital Management System project.

## **Module 1: Tailwind CSS**

Same as RILT Syllabus

## **Module 2: VueJS (Frontend)**

- Introduction to VueJS and its ecosystem
- Vue directives, Props, and Events
- State management with Pinia/Vuex
- Routing with Vue Router

## **Module 3: Laravel (Backend)**

Same as RILT Syllabus

#### **Module 4: Inertia.js**

Same as RILT Syllabus, replacing React with VueJS

#### **Capstone Project: Hospital Management System**

Same as RILT Syllabus, replacing React with VueJS