

**Project Design Phase-II**  
**Opensource Framework**

Date	04 November 2023
Team ID	NM2023TMID10723
Project Name	Project - Digital Marketing
Maximum Marks	4 Marks

**Opensource Framework:**

Django: A high-level Python web framework known for its simplicity and robustness.

Ruby on Rails: A web application framework that follows the Ruby programming language.

Express.js: A fast and minimalist web application framework for Node.js.

**Front-End Development:**

React: A JavaScript library for building user interfaces, developed by Facebook.

Vue.js: A progressive JavaScript framework for building user interfaces.

Angular: A TypeScript-based open-source framework for building web applications.

**Mobile App Development:**

Flutter: An open-source UI software development toolkit for building natively compiled applications for mobile, web, and desktop from a single codebase.

React Native: A framework for building mobile apps using React and JavaScript.

Apache Cordova: An open-source platform for building native mobile applications using HTML, CSS, and JavaScript.

**Data Science and Machine Learning:**

TensorFlow: An open-source machine learning framework developed by Google.

PyTorch: An open-source deep learning platform developed by Facebook's AI Research lab.

Scikit-Learn: A machine learning library for Python.

**Backend Development:**

Spring Boot: An open-source Java-based framework for building production-ready applications.

Node.js: While not a framework, Node.js is an open-source JavaScript runtime that is commonly used for building server-side applications.

#### IoT and Embedded Systems:

Arduino: An open-source electronics platform that's great for IoT and hardware projects.

Raspberry Pi: A single-board computer used for a wide range of DIY projects and IoT applications.

#### DevOps and Automation:

Ansible: An open-source automation tool for configuration management and application deployment.

Jenkins: An open-source automation server for building, testing, and deploying code.

#### Content Management Systems (CMS):

WordPress: A popular open-source CMS for building websites and blogs.

Joomla: An open-source content management system for publishing web content.