

NEWS PANDA
(MAJOR PROJECT SYNOPSIS)

Submitted By

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INTRODUCTION

In our project Newsletter website, the main objective is to manage the details of News, News Category, Latest News, Sports News, Weather News. It manages all the information about News, Comment, Weather News, News. The project is totally built at the administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the News, News Category, Comment, Latest News. It tracks all the details about the Latest News, Sports News, Weather News. This system provides: -

1. User friendliness and interactive
2. Minimize manual data entry
3. Minimum time needed for the various processing
4. Greater efficiency and better service.

We have used HTML, CSS, JAVASCRIPT, BOOTSTRAP, REACT and NODE JS. React (also known as React.js or ReactJS) is a free and open-source front-end JavaScript library for building user interfaces based on components. It is maintained by Meta (formerly Facebook) and a community of individual developers and companies. Node.js is an open source, cross-platform runtime environment for developing server-side and networking applications. Node.js applications are written in JavaScript, and can be run within the Node.js runtime on OS X, Microsoft Windows, and Linux. Node.js also provides a rich library of various JavaScript modules which simplifies the development of web applications using Node.js to a great extent.

METHODOLOGY

The methodology for the newsletter website project will follow an agile development approach, with focus on iterative development, continuous feedback and collaboration between team mates. The agile methodology will enable the project team to adapt to changing requirements and deliver a high quality product that meets the project objectives.

The development phases will be divided in the following parts:

Planning Phase: Here the team will define the project requirements, scope and objectives. The team will also define the deadline and milestone.

Design Phase: The user interface and database schema will be created. The API will also be defined/made here and flow of data between frontend and backend.

Development: The Frontend and the backend components will be implemented. The team will use HTML, CSS, JavaScript, React and Node.js.

Testing: The system's functionality, security and stability will be tested. It will be done to make sure that the system is stable.

Deployment: The Project team will deploy the system to a productive environment. GitHub will be used to do so.

Maintenance: The whole system will be maintained and supported by the team members in case of any bugs, loopholes.