**Daily Journal**

#### MINI PROJECT – II SYNOPSIS



Department of Computer Science & Application

#### Institute of Engineering & Technology

SUBMITTED TO: - SUBMITTED BY: -

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### ACKNOWLEDGEMENT

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Her sincerity, thoroughness and perseverance has been a constant source of inspiration for us. We believe that she will shower us with all her extensively experienced ideas and insightful comments at different stages of the project & also teach us about the latest industry-oriented technologies. We also do not want to miss the opportunity to acknowledge the contribution of all faculty members of the department for their kind guidance and co-operation.

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### DECLARATION

We hereby declare that the work which is being presented in the project synopsis “**Daily Journal**” in partial fulfilment of the requirement for project is an authentic record of our work carried under the supervision of **Ms. Neelam Soni, Technical Trainer, GLA University, Mathura** during session **2022-23**.

Mentor: Ms. Neelam Soni Sign: (Training & Development Department)

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### INTRODUCTION

A **journal**, from the Old French *journal* (meaning "daily"), may refer to:

* Bullet journal, a method of personal organization
* Personal journal, a record of personal secretive thoughts and as open book to personal therapy or used to feel connected to oneself
* Diary, a record of what happened over the course of a day or other period
* Daybook, also known as a general journal, a daily record of financial transactions
* Logbook, a record of events important to the operation of a vehicle, facility, or otherwise
* Transaction log, a chronological record of data processing
* Travel journal, a record of the traveller's experience during the course of their journey

In publishing, *journal* can refer to various periodicals or serials:

* Academic journal, an academic or scholarly periodical
  + Scientific journal, an academic journal focusing on science
  + Medical journal, an academic journal focusing on medicine
  + Law review, a professional journal focusing on legal interpretation
* Magazine, non-academic or scholarly periodicals in general
  + Trade magazine, a magazine of interest to those of a particular profession or trade
  + Literary magazine, a magazine devoted to literature in a broad sense
* Newspaper, a periodical covering general news and current events in politics, business, sports and art
  + Gazette, a type of newspaper, often a newspaper of record
  + Government gazette, a government newspaper which publishes public or legal notices

#### SOFTWARE AND HARDWARE REQUIREMENTS

* Front End - EJS, HTML, CSS, JAVASCRIPT
* Back End - MongoDB, ExpressJs, NodeJs,
* VS CODE
* Google Firebase
* Version Control: Github
* Hosting: Render
* Web Browser: Chrome
* Processor: i5 or above
* Minimum 4GB RAM
* Windows Operating System

**Data Flow Diagram**

#### PROJECT DESCRIPTION

The purpose of this project is to develop a fully responsive website for allowing users to post their articles.

The website will have various pages such as: - Home, Journals, Signup, Login, My Journals, Compose, Saved, Edit, About. The roles of these pages are as follows:

**Home:** It will have our homepage banner and some text which will introduce the user to our website. After this will be a short description of our platform.

**Nav:** Navigation bar will allow users to easily navigate through all the pages.

**Journals:** This section will showcase all articles published by users. Each article will have a title, author name, description, and some buttons. Article owner will be able to edit and delete his articles. Readers will be able to save articles to view them later.

**Login:** Simple form to enter username and password to login.

**Sign up:** First time user can create their account here.

**My journals:** Each user will be able to see his articles on this page and can easily edit any of his posts.

**Saved:** Users can add the posts they want to save to their saved collection. All posts added to saved will be shown on the saved page.

**Compose:** This page will have a form where user can enter details of the posts he wants to add so as to display it on the website.

**User:** This page will show user his details such as User Name, Email Address, Contact number.

**Edit:** Here author can edit his posts.

**About:** This page will show the website owner details.

**Read More:** This page will show post and its author details along with the reviews it has got from its previous readers.

**Footer:** This will show the copyright details of the website.

#### WORKING

Our website will open with a loader and then display the home page.

Sign in and login buttons will be displayed for the user to complete authentication.

After signing in each user will have access to all of our content. The navigation bar will help him/her to quickly navigate to desired section. Our User Interface will help each user to efficiently use our website. Users will be able to easily click on any button and use that functionality.

Authors will be able to add their posts. They will also be provided with functionality to edit and delete their products.

Readers will see all the posts available on our website and can add them to their saved collection they will also be able to see the author details so as to contact the author easily. They can also provide reviews for the posts they have read.

After completing all their tasks user can easily logout of their account.

# IMPLEMENTATION

## Frontend*:*

For the frontend we are using EJS and CSS, with some Bootstrap. To make the frontend more reactive and user interactive we will use JavaScript.

## Backend:

In the backend we are using MongoDB for all database needs. ExpressJS to create server and NodeJs to handle all other backend needs.

# Tools Description:

**HTML**: Hyper-Text-Markup-Language is used for structuring web pages over the internet. HTML is the language in which most websites are written. HTML is used to create pages and make them functional.

**CSS**: Cascading-Style-Sheet is a styling language used to style and basically define how the content will appear on the website.

**JavaScript**: JavaScript is a scripting or programming language which is now used extensively to design modern web applications and website, it allows the developer to write application which modify themselves according to each user and its data, this made web applications much more accessible and suitable for many purposes. Many Frameworks of JavaScript such as React, Node, Next etc. are used for different type of requirements and developments.

**MongoDB: MongoDB** is a source-available cross-platform document-oriented database program developed by Alfons Kemper. Classified as a NoSQL database program, MongoDB uses JSON-like documents with optional schemas. MongoDB is developed by MongoDB Inc. and licensed under the Server Side Public License (SSPL) which is deemed non-free by several distributions. MongoDB is a member of the MACH Alliance.

**ExpressJS: Express.js**, or simply **Express**, is a back-end web application framework for building RESTful APIs with Node.js, released as free and open-source software under the MIT License. It is designed for building web applications and APIs. It has been called the de facto standard server framework for Node.js.

**Node: Node.js** is a cross-platform, open-source server environment that can run on Windows, Linux, Unix, macOS, and more. Node.js is a back-end JavaScript runtime environment, runs on the V8 JavaScript Engine, and executes JavaScript code outside a web browser.

**Google Firebase:** Firebase is an app development platform that helps you build and grow apps and games users love. Backed by Google and trusted by millions of businesses around the world. Firebase provides detailed documentation and cross-platform SDKs to help you build and ship apps on Android, iOS, the web, C++, and Unity.

# REFERENCES:

### Books:

a. Black Book HTML5, CSS, JS

### Websites:

1. MDN Web Docs
2. W3Schools
3. GeeksForGeeks
4. Javatpoint

#### Faculty:

Ms. Neelam Soni (Technical Trainer in GLA University)

#### GitHub Repository link:

<https://github.com/anikateagrawal/Daily_Journal>

<https://github.com/ChaturvediIshika/Daily_Journal>

**Project Link:**

<https://daily-journal-ofpt.onrender.com/journal>