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**COLLEGE NAME : Amrita College of Engineering and Technology**

**DEPARTMENT : Computer Science and Engineering**

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**DATE : 27-10-2025**

**Completed the project named as Phase 5**

**TECHNOLOGY PROJECT NAME : Dynamic Image Slider**

**SUBMITTED BY,**

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**PHASE 5– Solution & Architecture**

## Project Title: Dynamic Image Slider

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### Overview:

The *Dynamic Image Slider* is a web-based application that allows users to upload, manage, and display images in an interactive slideshow format. The images transition automatically and can be navigated manually using next/previous buttons.

### Key Features:

- Auto-sliding images with customizable timing
- Manual navigation using arrows/dots
- Add, edit, or remove images dynamically
- Responsive UI (works on desktop and mobile)
- Lightweight and fast transitions (CSS/JS based)

### Demo Flow:

1. Open the web app homepage.
2. User sees a default image carousel.
3. Admin/User uploads new images via an upload form.
4. The image list updates dynamically without page reload.
5. The slider cycles through uploaded images automatically.

### Tech Stack Used:

- **Frontend:** HTML, CSS, JavaScript / React (if applicable)
  - **Backend:** Node.js + Express (if applicable)
  - **Database:** MongoDB / JSON / Local Storage (depending on your implementation)
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## 2. Project Report

### Abstract:

The Dynamic Image Slider project aims to build a flexible and reusable image carousel component for websites or web applications. It supports both automatic and manual image transitions and offers the ability to dynamically update image content.

### Objectives:

- Build a reusable and customizable image slider component

- Provide smooth animation and responsive design
- Enable dynamic image addition without reloading the page

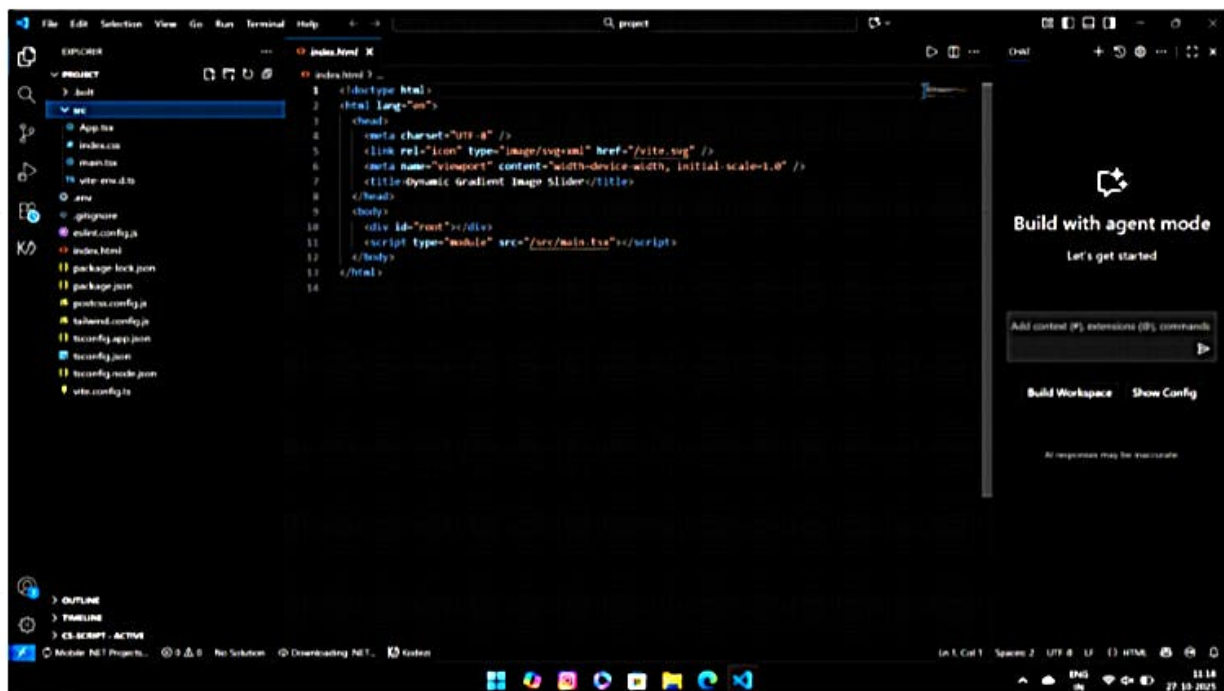
### System Requirements:

- **Software:** VS Code, Node.js, Browser (Chrome/Edge)
- **Hardware:** Minimum 4GB RAM, 1GHz Processor

### Modules:

1. **Frontend Module:** Handles display and transition of images.
2. **Backend Module:** Manages image upload, retrieval, and deletion (if applicable).
3. **Database Module:** Stores image URLs or base64 data.

### Screen shots:





github.com/suasvanth



Dynamic-im...



&lt;&gt; Code

Issues

Pull requests



0 stars

0 forks

0 watching

1 Branch

0 Tags

Activity

Public repository

main

Code



suasvanth-sys 40 minutes ago



CODE

40 minutes ago



Phase1

1 hour ago



Phase2

1 hour ago



Phase3

1 hour ago



Phase4

1 hour ago



Phase5

1 hour ago

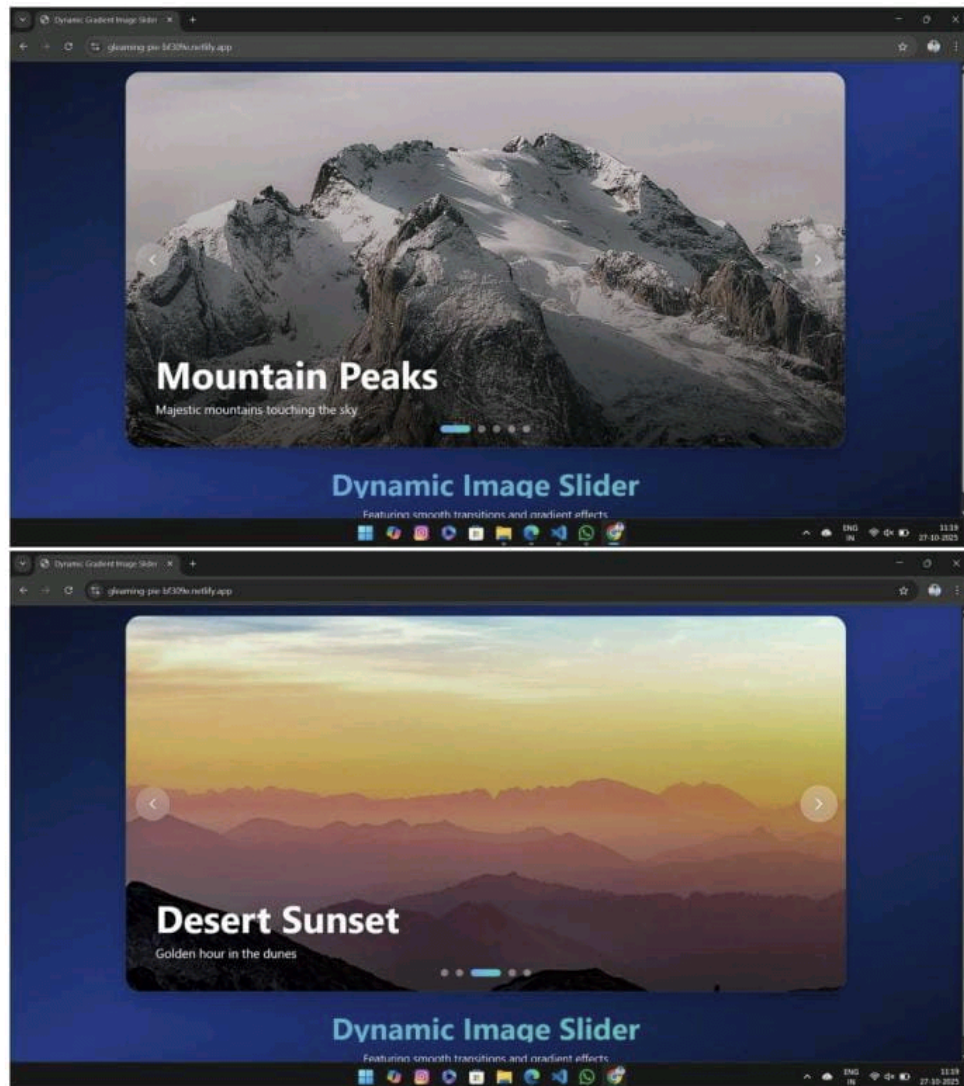


SCREENSHOT

40 minutes ago



README



Github Link:

<https://github.com/suasvanth-sys/Dynamic-image-slider.git>