

MAJOR PROJECT



OUR TEAM

S.NO	NAME	ROLL NO.	BRANCH
01	Kaushiki Parashar	9514/22	CSE- 6th sem
02	Manashvi Singh	9518/22	CSE- 6th sem
03	Mehar Juneja	9519/22	CSE- 6th sem

**SUBMITTED TO:-
Dr. Santosh Kumar Yadav**

1. Introduction

Aditi Gupta Designs is an innovative home design platform that inspires and guides users in crafting their ideal living spaces—both indoors and outdoors. Whether you're designing a cozy home, revamping an outdoor area, or exploring budget-friendly décor options, AGD offers practical tools and expert guidance to make your design journey seamless, accessible, and engaging. Rooted in elegance, functionality, and personalization, the platform reflects Aditi Gupta's design philosophy while providing an intuitive and visually appealing user experience.

The website's well-organized interface ensures effortless navigation, allowing users to explore a variety of features that enhance their home design experience. The interactive design style quiz and budget calculator empower users to personalize their aesthetic choices while setting realistic financial goals. The design trend analyzer helps users stay ahead of emerging styles, offering insights into the latest trends in interior, exterior, and landscape design. A Vaastu recommendation tool provides guidance on furniture placement and layout optimization, aligning design choices with positive energy flow.

Expanding beyond design assistance, AGD now includes a home décor purchase page, where users can browse and buy carefully curated home décor pieces that complement their style. To make home improvement accessible to all, the platform also highlights budget-friendly décor options that blend style with affordability. The portfolio page, featuring completed projects with a lightbox effect, showcases AGD's expertise in creating stunning indoor and outdoor spaces.

To enhance user engagement, the blog section offers valuable insights, expert tips, and trend analyses in home design, landscaping, and outdoor aesthetics. A live chatbot ensures instant assistance, addressing user queries and guiding them through their design journey. Additionally, integrated social media links connect users to Aditi Gupta Designs on platforms like Instagram and Facebook, providing ongoing inspiration and updates on the studio's latest work.

With its blend of creativity, technology, and user-centered design, Aditi Gupta Designs stands out as a comprehensive home styling solution, bridging the gap between inspiration and execution while enhancing brand visibility in the competitive home design industry.

2. Objective

Aditi Gupta Designs is an innovative home design platform that inspires and guides users in crafting ideal living spaces—indoors and outdoors—while integrating sustainability, Vastu principles, and AI-driven personalization. The website offers practical tools and expert guidance, making the design journey accessible and engaging. Rooted in elegance, functionality, and eco-conscious design, the platform ensures a seamless user experience that balances aesthetics with usability.

With a visually appealing, user-friendly interface, the website enables effortless navigation. AI-powered features like a design style quiz, budget optimizer, and budget calculator help users personalize their spaces while considering sustainability and Vastu. The portfolio page showcases completed projects, including eco-friendly and Vastu-compliant designs, using a lightbox effect for an immersive experience. A dedicated home décor page allows users to explore and purchase curated décor items that complement their design preferences. Additionally, the ****Design Analyzer**** evaluates design trends based on different regions and time spans, providing insights into evolving styles, climate considerations, and cultural influences.

The blog section offers valuable insights on sustainable home design, Vastu, landscaping, and outdoor aesthetics, keeping users informed and inspired. An AI-powered chatbot enhances engagement by offering real-time design recommendations, answering queries, and guiding users through their design journey. Furthermore, social media links connect users to Aditi Gupta Designs on platforms like Instagram and Facebook, allowing them to explore more inspirations and stay updated on the latest projects.

By integrating sustainability, Vastu, AI-driven personalization, and curated décor shopping, along with a region-specific design analyzer, the website not only enhances user experience but also strengthens the Aditi Gupta Designs brand, expanding its reach in the competitive home design industry.

3. Benefits

- **Portfolio Showcase:** Highlights completed projects, including sustainable and Vastu-compliant designs, to inspire clients and demonstrate expertise.
- **Ease of Contact:**
Provides multiple communication options, ensuring seamless client interactions and quick responses.
- **Online Services & Décor Shopping:**
Allows users to book consultations, purchase design services, and explore a curated collection of home décor items.

- **24/7 Availability:**
Ensures round-the-clock access to design tools, expert insights, and resources for users across different time zones.
- **Social Media Integration:** Connects users to Aditi Gupta Designs' social media for real-time updates, design inspiration, and brand engagement.
- **Enhanced Professionalism:** Establishes a credible and trustworthy online presence, reinforcing expertise in sustainable and Vastu-based design.
- **Showcase of Brand Services:**
Clearly presents a variety of design solutions, including interiors, landscaping, and sustainable planning.
- **Client Engagement & Retention:**
Builds a community of design enthusiasts with interactive tools, blog content, and personalized experiences.
- **User Experience:** Offers an intuitive and visually appealing interface that ensures a smooth and engaging design journey.
- **Budget Optimization & Confidence:**
Features a budget optimizer and calculator to help clients make informed financial decisions.
- **Project Walkthroughs:** Integrates immersive video presentations and interactive visuals for deeper insights into completed projects.
- **Blog Section:**
Provides expert insights on sustainable home design, Vastu principles, and the latest trends to keep users informed and inspired.
- **Design Style Quiz:**
Helps clients discover their ideal aesthetic by guiding them toward personalized design choices.
- **Design Analyzer:**
Evaluates design trends based on different regions and time spans, offering insights on evolving styles, climate considerations, and cultural influences.
- **FAQ Section with Accordion Design:** Organizes common queries in an expandable format for easy access to information.
- **AI-Powered Chatbot:** Enhances user support by answering common queries, providing design suggestions, and assisting with navigation.
- **Webinar Sign-Up Forms:** Enables users to register for educational webinars on home design, sustainability, and Vastu principles.
- **Resource Hub:** Acts as a knowledge base for sustainable living, Vastu insights, and design inspiration.
- **Accessibility & Inclusivity:** Ensures expert design solutions are available to a global audience, making sustainable and Vastu-compliant home design more accessible.

4. Features

- **Blog Post Page:**
A dedicated section offering insightful articles, tips, and trends in home design, with a strong emphasis on sustainability and Vastu principles, helping users stay informed and inspired by eco-friendly and spiritually aligned design approaches.
- **Webinar Sign-Up Forms:** Easy-to-use forms that allow users to register for webinars focused on sustainable design and Vastu alignment, enhancing their knowledge and understanding of these important aspects in home design.
- **Sustainability-Focused Design Quiz:** An interactive tool that helps users identify their design preferences, guiding them toward eco-friendly materials and sustainable design choices, while also considering Vastu principles for a balanced living environment.
- **Budget Calculator:**
A practical tool that helps users estimate project costs while integrating sustainable material options, providing suggestions to align with green design practices and budget management, ensuring eco-conscious decisions.
- **Home Décor Item Page:**
A dedicated page where users can explore and purchase curated sustainable home décor items that align with their design preferences, offering a budget-friendly selection that supports both aesthetic and eco-conscious goals.
- **Portfolio Showcase with Lightbox Effect:**
A visually appealing gallery that highlights completed projects, including Vastu-compliant and sustainable designs, showcasing how aesthetic beauty can merge with environmental and spiritual harmony.
- **Contact Us Form with Validation:** A user-friendly form that enables clients to easily reach out for inquiries, with built-in validation to ensure accurate submissions, including questions about sustainable design options and Vastu compliance .
- **FAQ Section:**
An expandable section addressing common questions about services, processes, and sustainable design practices, as well as Vastu principles, providing quick access to information on these important topics.
- **Social Media Integration:** Displays feeds from the brand's Instagram account, showcasing sustainable designs and Vastu-aligned projects, and linking directly to social media platforms for further inspiration and engagement.
- **Project Walkthroughs:** Video integration offering detailed overviews of design projects, focusing on sustainability and Vastu compliance, allowing users to see how these principles are effectively applied in real-world projects.
- **Design Analyzer:**
A feature that evaluates design trends based on different regions and time spans, offering insights into sustainable styles, climate-specific solutions, and Vastu principles tailored to various environments and cultural contexts.
- **AI-Powered Chatbot:**

A smart chatbot that provides personalized design suggestions, answers queries about sustainable materials, and guides users in aligning their designs with Vastu principles, helping them make eco-conscious and spiritually balanced choices.

5. Tech- Stack

Technology	Description
HTML (HyperText Markup Language)	HTML is the essential markup language for structuring content on the web. It provides the framework for creating web pages, defining elements like headings, paragraphs, and multimedia, ensuring accessibility and a clear layout.
CSS (Cascading Style Sheets)	CSS is used for styling HTML elements, allowing you to control colors, fonts, and layouts. It enhances visual appeal and ensures a responsive design across different devices, improving the overall user experience.
Bootstrap	Bootstrap is a powerful front-end framework that accelerates web development with its pre-built components and responsive design utilities. It streamlines the creation of aesthetically consistent layouts and ensures that the website adapts seamlessly to various screen sizes.
JavaScript	JavaScript is a versatile programming language that brings interactivity to web pages. It enables dynamic content updates, interactive forms, and real-time user feedback, significantly enhancing the overall engagement and functionality of the website.
Node.js (Backend Runtime)	Node.js is a JavaScript runtime that allows us to run JS code outside the browser. It helps in handling server-side logic, connecting to databases, and processing user requests.

Express.js (Backend Framework)	Express.js is a lightweight web framework for Node.js. It simplifies handling requests (like form submissions), routing (navigating between pages), and APIs.
Database (Storage)	A database is used to store and manage user data, such as form submissions, quiz results, and user profiles. It allows retrieving, updating, and deleting data efficiently.
API (Application Programming Interface)	An API helps different software components communicate with each other. Used for sending emails, chatbot responses, payment processing, and fetching data (like color palettes or translations).