

**A Mini Project Report**  
on  
**CENTRALISED PLATFORM FOR ACADEMIC  
RESOURCES IN ANDHRA PRADESH**

Submitted in partial fulfillment of the requirements for the Degree of

**BACHELOR OF TECHNOLOGY**  
in  
**COMPUTER SCIENCE AND ENGINEERING**  
by

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(Affiliated to Jawaharlal Nehru Technological University Kakinada, Kakinada)  
(An ISO 9001:2015 Certified Institution, Approved by AICTE)  
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Vadlamudi-522213



**CERTIFICATE**

This is to certify that a Mini Project report entitled “**Centralized Platform for Academic Resources in Andhra Pradesh**” is a bonafide work done by **V. NANDINI (22FE1A4260), P. LAHARI (23FE5A4206) , B. VARDHAN (22FE1A4206) , P. YASWANTH VARMA (22FE1A4236)** under my guidance and submitted in fulfillment of the requirements for the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** from **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA, KAKINADA**.  
The work embodied in this project report is not submitted to any University or Institution.

**Project Guide**  
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**Head of the Department**  
**Dr.K.Venkateswara Rao**  
**Professor**

**External Examiner**

## DECLARATION

We hereby declare that a Mini Project report entitled “**Centralized Platform for Academic Resources in Andhra Pradesh**” is a record of an original work done by us under the guidance of **Dr.A.Senthil Kumar** Professor of Computer Science and Engineering and this project report is submitted in the fulfillment of the requirements for the Degree of Bachelor of Technology in Computer Science and Engineering. The results embodied in this project report are not submitted to any other University or Institute.

### Project Members

### Signature

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**4.P. YASWANTH VARMA**

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**Place:** Vadlamudi

**Date :**

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## ABSTRACT

The **Centralized Platform for Academic Resources in Andhra Pradesh** project is a web-based application aimed at consolidating and presenting comprehensive academic, cultural, and informational resources specific to the state of Andhra Pradesh. This platform serves as a centralized hub for students, researchers, and general users to explore and access a variety of content across domains such as agriculture, medicine, technology, and local culture. Key features of the platform include an organized, category-based structure that allows users to navigate through topics with ease. Each section contains rich multimedia content, descriptions, and resource links for an immersive and informative experience. The interactive user interface employs a lightbox gallery for enhanced visual engagement, providing a streamlined approach to viewing images and related information. The interface utilizes responsive design principles and Bootstrap, ensuring accessibility across multiple devices. Built with HTML, CSS, JavaScript, and Bootstrap, the project employs modern web development techniques to deliver a visually appealing, user-friendly interface. Custom CSS enhances the platform's aesthetics, with background animations and thematic styling reflective of Andhra Pradesh's cultural heritage. JavaScript functions facilitate seamless navigation and dynamic content display, creating an interactive user experience. This platform aims to bridge information gaps by offering an accessible repository of academic and cultural resources, contributing to knowledge dissemination and supporting academic and research endeavors within and beyond Andhra Pradesh.

# INTRODUCTION

In an era where digital platforms are transforming information accessibility, *Centralized Platform for Academic Resources in Andhra Pradesh* stands out as a focused effort to organize and disseminate knowledge about Andhra Pradesh in a structured, user-friendly manner. Designed as a web-based application, this project aims to provide a one-stop resource center, catering specifically to scholars, researchers, and individuals interested in the diverse and rich aspects of the state. Andhra Pradesh is a region with a vast cultural, agricultural, and technological landscape, making it crucial to have a consolidated platform that gathers and presents all this information in one place. The need for a centralized hub becomes even more evident when considering the research, academic pursuits, and knowledge-seeking activities that drive individuals to gather comprehensive insights on various aspects of the state.

This platform is organized into various categories, such as arts, culture, agriculture, medicine, science and technology, forestry, and more, representing the key fields and resources that define Andhra Pradesh. Each category offers a deep dive into specific domains, covering relevant details and showcasing multimedia elements to provide a rich learning experience. This comprehensive yet categorized approach helps users easily locate the information they need without the need to navigate multiple sources or search engines, thus saving time and enhancing the user experience. With resources carefully curated and organized, users can gain insights into Andhra Pradesh's contributions to these fields, its historical context, and its relevance today. For example, the agriculture category highlights the state's significant crop production, while the technology section might delve into Andhra Pradesh's advancements in research, innovation, and digital transformation.

To ensure accessibility and engagement, the platform utilizes HTML, CSS, JavaScript, and Bootstrap for a modern, visually appealing design. The use of a responsive framework like Bootstrap allows for compatibility across various devices, ensuring that the application remains accessible to all users regardless of device or screen size. The design is further enhanced with custom CSS styling and animations, which add a unique touch reflecting Andhra Pradesh's dynamic and culturally rich identity. JavaScript functions are incorporated to enable interactivity, allowing users to navigate between sections smoothly, view multimedia content, and interact with features like a lightbox gallery, which presents images in a visually engaging

manner.

The **lightbox gallery** feature is especially useful for the presentation of multimedia elements. Users can click on images within each category, which opens up a carousel-style view that lets them explore images and related content. This design choice not only enhances the visual appeal but also provides users with a more immersive experience, as they can view images related to arts, landscapes, and cultural heritage in a user-friendly format. This interactive element is designed to keep users engaged and create a lasting impression as they explore the varied fields of Andhra Pradesh through multimedia.

The target audience for this platform includes not only researchers and scholars but also general users who have an interest in Andhra Pradesh's resources. The platform provides reliable information gathered from multiple sources and presents it in an organized manner, making it an excellent tool for educational and research purposes. Students and educators may find it especially useful as a supplementary resource, offering accessible data and references that can be utilized for projects, presentations, and further study. By presenting all necessary information within a single application, this platform simplifies the process of information gathering, helping users avoid the time-consuming process of sourcing data from scattered resources.

Beyond the content, the application is designed with user experience in mind. The interface is structured intuitively, with well-labeled buttons, responsive layouts, and hover effects that make navigation easy. Each category and section has been planned with the user journey in mind, ensuring that they can seamlessly move from one topic to another without confusion. The clear organization of information allows users to dive deeper into subjects of interest without being overwhelmed by cluttered layouts or excessive data on a single page. Furthermore, the website's aesthetics reflect Andhra Pradesh's cultural richness, with background designs, typography, and color themes that align with the state's identity, thus creating an immersive experience that goes beyond mere information access.

In addition to its user-friendly design, the project underscores the importance of centralized information in today's digital age. Rather than relying on fragmented sources, users can now access a comprehensive repository that consolidates the academic and cultural highlights of Andhra Pradesh in one cohesive platform. This centralization not only improves information accessibility but also ensures that the platform serves as a reliable, curated resource, eliminating the need for users to verify data from disparate sources.



## RELATED WORK

The Centralized Platform draws upon foundational concepts and strategies used in web-based information platforms, specifically focusing on digital repositories and educational resource hubs. Similar systems, such as academic databases and cultural knowledge bases, have paved the way for centralized access to information, particularly for scholarly and research-oriented use. This project is inspired by various existing models that showcase structured, categorized content in an accessible, user-friendly manner, demonstrating the value of centralizing regional information into one cohesive platform.

Many digital repositories and portals are created to improve accessibility for educational and cultural information. For instance, platforms that centralize regional and historical data, such as national archives or state-specific educational websites, focus on consolidating varied data for researchers, educators, and general users alike. These systems underscore the importance of a well-organized structure that allows users to navigate efficiently through different sections, making it easy to locate specific information without searching through disparate sources. In the academic and cultural sectors, centralized platforms have demonstrated success in connecting users with valuable resources, fostering collaboration, and enhancing access to niche knowledge that might otherwise be underutilized.

Additionally, multimedia elements such as image galleries, video embeds, and document repositories have become standard in academic portals to provide an engaging and informative experience. Our project builds upon this by integrating a lightbox image gallery, allowing users to view images and supplementary content interactively. Previous research has shown that interactive multimedia elements improve user engagement, making complex topics more accessible and encouraging exploration within the platform.

Several projects focused on regional knowledge dissemination, such as interactive museums and digital libraries, have successfully combined educational and technological frameworks to reach wider audiences. These projects often employ HTML, CSS, JavaScript, and frameworks like Bootstrap to ensure a responsive and visually appealing interface. The use of these technologies enables the platform to adapt to different devices and screen sizes, enhancing user accessibility and convenience. For example, educational websites employing Bootstrap-based frameworks ensure a consistent user experience on both desktop and mobile devices, which is crucial for accessibility in today's digital landscape. This project builds upon these insights by using Bootstrap to make the platform both functional and aesthetically engaging across all devices.

Moreover, academic resource platforms frequently prioritize categorization and structured navigation to organize large volumes of information effectively. Our project applies this approach by breaking down information into specific categories such as arts, culture, agriculture, technology, and more. This method reflects practices seen in educational resource databases, where information is segmented to facilitate topic-specific exploration. Existing educational portals often highlight this as a core benefit, making it easier for users to find resources relevant to their research or academic focus. By implementing this categorization, the platform minimizes the cognitive load on users and enables a straightforward, intuitive browsing experience.

Existing platforms also underscore the importance of user-centric design, with studies showing that aesthetically pleasing, easy-to-navigate interfaces lead to higher user satisfaction and engagement. In line with this, our project incorporates visually appealing themes, animation effects, and responsive layouts that draw inspiration from both educational and commercial web applications. The use of custom CSS and animations reflects best practices in user experience design, which emphasize that well-designed, visually engaging interfaces increase retention and interaction rates among users.

Finally, digital resource platforms often focus on the seamless integration of data across various topics, supporting a holistic approach to learning and exploration. In this project, content on different fields related to Andhra Pradesh, such as agriculture and technology, is seamlessly interwoven to provide a comprehensive view of the state's academic and cultural landscape. Similar projects demonstrate the effectiveness of this holistic integration, particularly in regional and cultural platforms where users benefit from interconnected information sources. For example, platforms that combine agricultural, technological, and cultural data offer users a contextual understanding that enhances the value of each individual resource.

It builds on best practices from various successful digital knowledge repositories and educational platforms. By integrating well-structured categorization, multimedia elements, responsive design, and a user-centered interface, this project aims to deliver a high-quality, accessible, and engaging resource hub for users interested in Andhra Pradesh's academic and cultural wealth. The project leverages insights from existing platforms to create a comprehensive and interactive experience that meets the needs of scholars, researchers, and knowledge-seekers in a streamlined, centralized manner.

# PROPOSED SYSTEM

## 1. Research and Analysis Phase:

### a. Data Collection from Research Locations:

- Gather information from major research institutions in Andhra Pradesh, such as universities, specialized research centers (e.g., Indian Institute of Technology, Andhra University), and other academic organizations.
  - Reach out to institutions for cooperation in providing information.
  - Collect data on research events, academic resources available for public access.
- **Data from Various Domains:**
  - **Arts & Culture:** Document ongoing research, publications, and resources related to the cultural heritage of Andhra Pradesh (e.g., literature, dance, and folklore).
  - **Agriculture:** Gather data on agricultural innovations, sustainable farming practices, climate studies, and research institutes like the Andhra Pradesh Agricultural University.
  - **Technology & Engineering:** Collect technical papers, research output, and technological advancements from leading tech hubs in the state.
  - **Medicine & Health:** Collect research on health and medical topics from institutions like NTR University of Health Sciences or state-run health departments.
  - **Social Sciences:** Collect research regarding socio-economic factors, education, and development studies specific to Andhra Pradesh.

### b. Understanding the Needs of Researchers:

- Conduct surveys, interviews, and focus groups with researchers, scholars, and faculty to understand their specific needs regarding academic resources, such as access to research papers, technical resources, domain-specific data, and relevant study materials.
- Understand the common pain points faced by researchers such as difficulty in finding relevant data, lack of centralized access to resources, or limited information based on region or research domain.
- Identify research domains that require enhanced visibility, such as underrepresented topics like rural development, environment, or specific cultural studies unique to

Andhra Pradesh.

## **2. Design Phase:**

### **a. User-Friendly Interface Design:**

- **Simple Navigation:** The design should have an intuitive layout, minimizing the learning curve for new users. Clear headings, subheadings, and breadcrumb navigation should be incorporated.
  - **Home Page:** A clear introduction to the platform with quick links to major research domains (e.g., Agriculture, Technology, Arts, etc.) along with a search bar to facilitate easy access to resources.
  - **Category-based Navigation:** Sections clearly defining various research domains such as Agriculture, Medicine, Social Sciences, Arts & Culture, and Technology, along with quick links to subcategories for each.
  - **Mobile Responsiveness:** Ensure the design is mobile-friendly using a responsive design approach, enabling easy access on all devices.

### **b. Advanced Search and Filtering Features:**

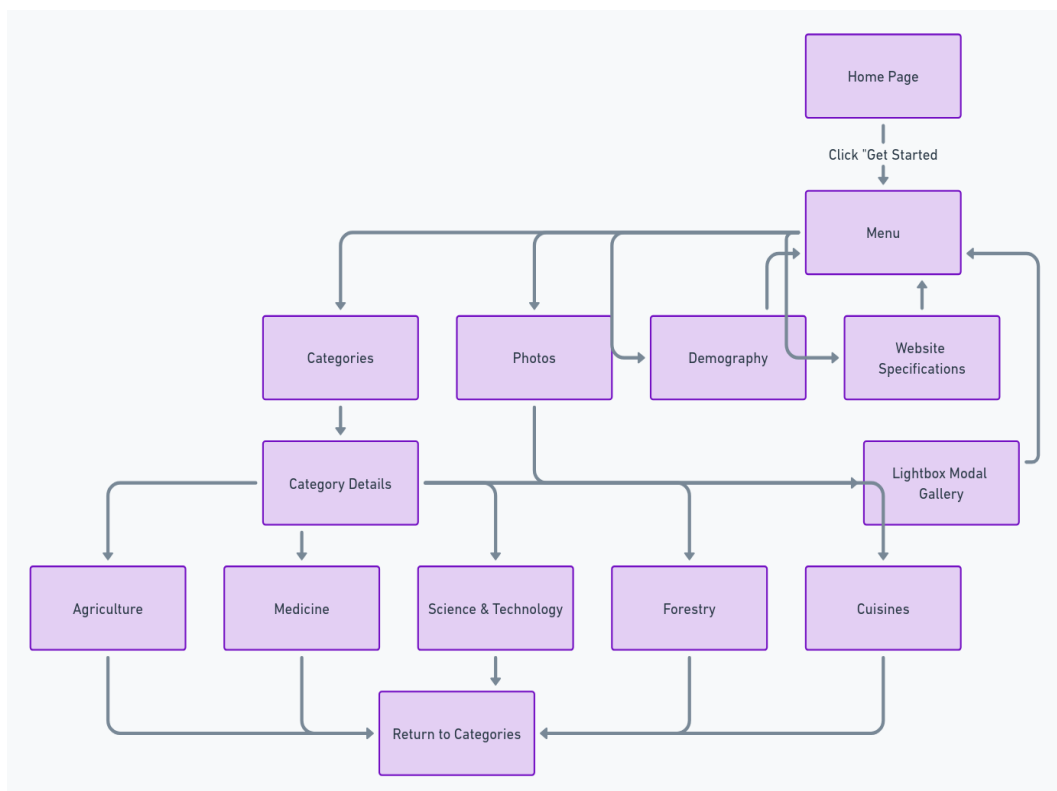
- **Filtering by Research Domains:** Implement a dynamic filtering system that allows users to refine their search based on specific research domains like arts, culture, agriculture, medicine, etc.
  - **Location-Based Filtering:** Researchers should be able to filter resources by geographic region, such as available research hubs in specific districts or cities in Andhra Pradesh (e.g., Visakhapatnam, Vijayawada, or Tirupati). This could include information about the location's suitability for certain types of research, access to local data, or availability of that region.

### **c. Resource Aggregation and Summaries:**

- Implement a feature where users can access summaries of significant research outputs and publications, saving time and making it easier for researchers to find what's most relevant.

### 3. Future Enhancements:

- Collect **user feedback** continuously on the usability of the platform. This can include surveys, reviews, or user satisfaction ratings after using the site.
- Based on feedback, **iterate** the platform by adding new features, improving performance, and ensuring the accuracy and relevance of research data.
- **Integration with External Databases:** Integrate the platform with external academic databases like Google Scholar, JSTOR, or ResearchGate to provide easy access to \*global research materials.
- **AI-Based Content Recommendations:** Implement an AI-powered recommendation system that suggests relevant research papers, articles, or resources based on the user's interests and previous searches.



# MODULE DESCRIPTION

## 1. UI Components and Structure (HTML)

The HTML structure forms the backbone of the user interface, starting with a **Home Page** that introduces users to the site. This leads to a **Menu Section** with links to key areas such as Categories, Photos, Demography, and Website Specifications. Each **Category**—like Agriculture, Medicine, and Science & Technology—provides detailed content on these themes, with navigation tools for easy back-and-forth movement. A **Lightbox Modal** in the Photos section adds interactivity, allowing users to view images in an immersive, carousel format. This modular layout ensures a logical flow and easy navigation.

## 2. Styling and Design (CSS)

CSS shapes the visual appeal and consistency of the website, defining fonts, colors, and layouts. Through **theme and font choices**, the site maintains a unified aesthetic, using animations and text overlays for added polish. **Layout styling** ensures content is cleanly arranged, with card designs and responsive grids enhancing the user experience on different devices. The **Image Gallery** is styled for uniformity, with images scaled and framed consistently to improve visual flow, and **responsive design** allows the site to adapt smoothly to various screen sizes.

## 3. Interactivity and Logic (JavaScript)

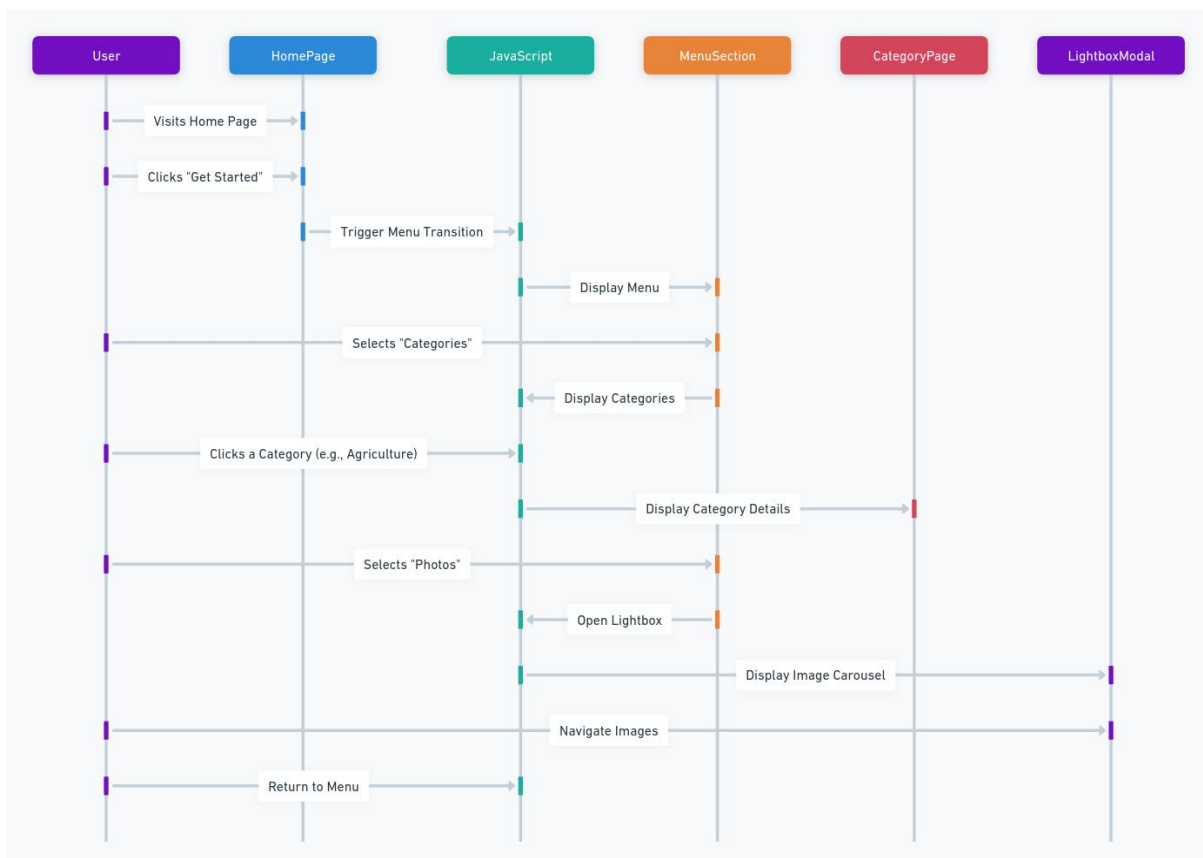
JavaScript animates the site's elements and adds control to navigation. **Navigation Handling** manages section transitions, enabling users to move between the Menu and individual categories with ease. The **Lightbox Modal** boosts engagement, displaying photos with captions in a carousel-style overlay. JavaScript dynamically updates this lightbox, providing a seamless, interactive experience that encourages users to explore more.

## 4. External Dependencies

The site utilizes **Bootstrap** for responsive layouts and components, **jQuery** for streamlined DOM manipulation, and **Google Fonts** for a custom look. Bootstrap simplifies styling and structure, jQuery enhances functionality, and Google Fonts delivers a unique aesthetic, ensuring a polished, consistent appearance and efficient performance across devices.

## Interactive User Journey Through Website Navigation and Content Display:

This sequence diagram illustrates the user's journey through the website, showcasing interactions from the initial landing on the Home Page to navigating the Menu and exploring different sections. It details how JavaScript enables smooth transitions between sections, such as viewing specific categories or opening the image gallery in a lightbox modal. Each step highlights key actions that enhance user engagement, making the site both intuitive and interactive. The diagram effectively visualizes the process flow, emphasizing seamless navigation and content accessibility across the website.



## CODING

### Index.html:

```
<!DOCTYPE html>
<html>
<head>
  <!-- Linking CSS and Bootstrap -->
  <link rel="stylesheet" href="styles.css" />
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
    rel="stylesheet"
    integrity="sha384-
1BmE4kWBq78iYhFIdvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
    crossorigin="anonymous">
  <link rel="stylesheet"
    href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css">
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.min.js"></script>
  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
    integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
    crossorigin="anonymous"></script>
  <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"
    integrity="sha384-
9/reFTGAW83EW2RDu2S0VKaIzap3H66lZ81PoYIFhbGU+6BZp6G7niu735Sk7lN"
    crossorigin="anonymous"></script>
  <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"
    integrity="sha384-
B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV"
    crossorigin="anonymous"></script>
</head>

<body>
  <!-- Header Section -->
  <div>
    <h1 class="head">ACADEMIC RESOURCES IN ANDHRA PRADESH</h1>
  </div>

  <!-- Home Section -->
  <div class="col-12 col-md-12 col-lg-12" id="sectionfirst">
    <div class="hmbg" id="home">
      <h1>HOME</h1>
      <p class="gdip">
        Andhra Pradesh, located on the southeastern coast of India, is known for its rich
        cultural heritage,
        diverse landscapes, and vibrant history. The state is famous for its classical dance
        forms, such as
        Kuchipudi, and its delicious cuisine, featuring dishes like biryani and pickles. The
```



capital city,

Amaravati, is envisioned as a hub of culture and innovation. Andhra Pradesh is also home to numerous

temples, including the iconic Tirupati Balaji, attracting millions of pilgrims each year. With its

beautiful beaches along the Bay of Bengal and lush agricultural lands, the state plays a vital role

in India's economy.

</p>

<p class="gdiip">

The cultural landscape of Andhra Pradesh is highlighted by its classical dance forms, notably Kuchipudi.

This traditional dance is known for its graceful movements and expressive storytelling, often depicting

themes from Hindu mythology. The state also boasts a rich musical heritage, with folk music and various

regional styles contributing to its vibrant cultural tapestry.

</p>

<p class="gdiip">

Culinary delights in Andhra Pradesh are celebrated nationwide, particularly its spicy and flavorful

dishes. The state is famous for its biryanis, especially the Hyderabadi biryani, and an array of tangy

pickles that complement meals. Vegetarian dishes, such as puliyodarai (tamarind rice) and gongura

(sorrel leaves) preparations, showcase the state's agricultural bounty.

</p>

</div>

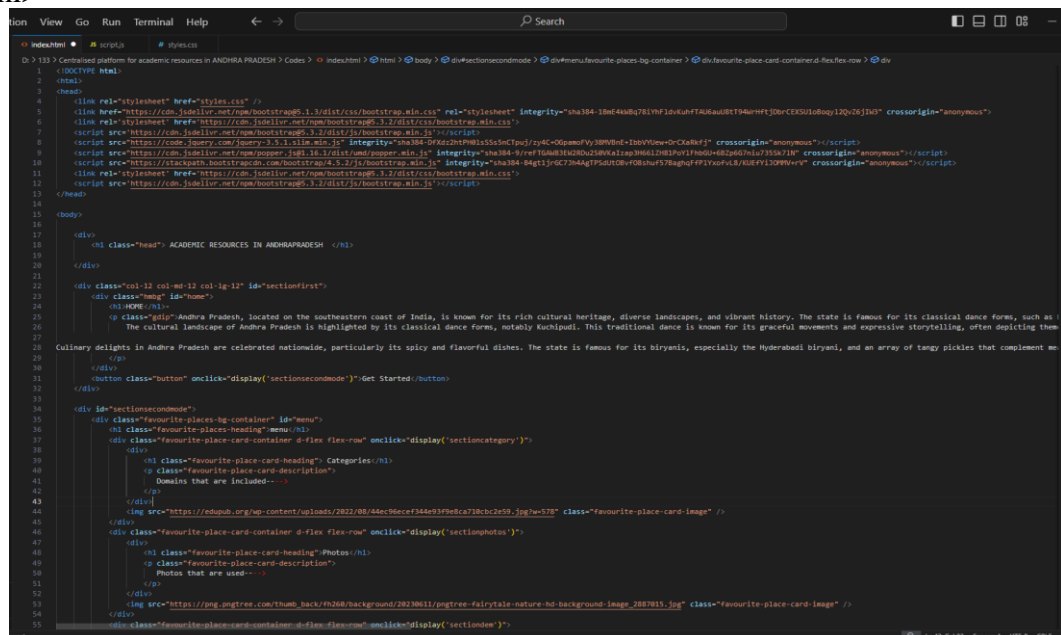
<!-- Get Started Button -->

<button class="button" onclick="display('sectionsecondmode')">Get Started</button>

</div>

</body>

</html>



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Andhra Pradesh</title>
5 <meta charset="UTF-8">
6 <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" integrity="sha384-TmeN9153pA804KR486T82P3b7Y86R2P6bT1dP7bF1b281f224f26788488" crossorigin="anonymous">
7 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.min.js" integrity="sha384-kWZvOGNG8pScldTCPrWF3ykT2sVxgeluhYEEQ8cH+pwdrIuJG/rHHEQBelq" crossorigin="anonymous"></script>
8 </head>
9 <body>
10 <div class="container">
11 <div class="row">
12 <div class="col-12">
13 <h1>Andhra Pradesh</h1>
14 <p>Andhra Pradesh, located on the southeastern coast of India, is known for its rich cultural heritage, diverse landscapes, and vibrant history. The state is famous for its classical dance forms, such as Kuchipudi. This traditional dance is known for its graceful movements and expressive storytelling, often depicting themes from Hindu mythology. The state also boasts a rich musical heritage, with folk music and various regional styles contributing to its vibrant cultural tapestry.</p>
15 <p>Culinary delights in Andhra Pradesh are celebrated nationwide, particularly its spicy and flavorful dishes. The state is famous for its biryanis, especially the Hyderabadi biryani, and an array of tangy pickles that complement meals. Vegetarian dishes, such as puliyodarai (tamarind rice) and gongura (sorrel leaves) preparations, showcase the state's agricultural bounty.</p>
16 <div class="button" onclick="display('sectionsecondmode')">Get Started</div>
17 </div>
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```

## Script.js:

```
// Set the Bootstrap theme to light
const html = document.querySelector('html');
html.setAttribute('data-bs-theme', 'light');

// Gallery and Modal Elements
const galleryGrid = document.querySelector(".gallery-grid");
const links = galleryGrid.querySelectorAll("a");
const imgs = galleryGrid.querySelectorAll("img");
const lightboxModal = document.getElementById("lightbox-modal");
const bsModal = new bootstrap.Modal(lightboxModal);
const modalBody = lightboxModal.querySelector(".lightbox-content");

// Function to create captions for images
function createCaption(caption) {
  return `<div class="carousel-caption d-none d-md-block">
<h4 class="m-0">${caption}</h4>
</div>`;
}

// Function to create carousel indicators (dots)
function createIndicators(img) {
  let markup = "", i, len;

  const countSlides = links.length;
  const parentCol = img.closest('.col');
  const curIndex = [...parentCol.parentElement.children].indexOf(parentCol);

  for (i = 0, len = countSlides; i < len; i++) {
    markup += `
<button type="button" data-bs-target="#lightboxCarousel"
data-bs-slide-to="${i}"
${i === curIndex ? 'class="active" aria-current="true"' : ""}
aria-label="Slide ${i + 1}">
</button>`;
  }

  return markup;
}

// Function to create carousel slides
function createSlides(img) {
  let markup = "";
  const currentImgSrc = img.closest('.gallery-item').getAttribute("href");

  for (const img of imgs) {
    const imgSrc = img.closest('.gallery-item').getAttribute("href");
    const imgAlt = img.getAttribute("alt");
```

```

markup += `
<div class="carousel-item${currentImgSrc === imgSrc ? " active" : ""}">
<img class="d-block img-fluid w-100" src=${imgSrc} alt="${imgAlt}">
${imgAlt ? createCaption(imgAlt) : ""}
</div>`;
}

return markup;
}

// Function to create the lightbox carousel
function createCarousel(img) {
const markup = `
<!-- Lightbox Carousel -->
<div id="lightboxCarousel" class="carousel slide carousel-fade" data-bs-ride="true">
<!-- Indicators/dots -->
<div class="carousel-indicators">
${createIndicators(img)}
</div>
<!-- Wrapper for Slides -->
<div class="carousel-inner justify-content-center mx-auto">
${createSlides(img)}
</div>
<!-- Controls/icons -->
<button class="carousel-control-prev" type="button" data-bs-target="#lightboxCarousel"
data-bs-slide="prev">
<span class="carousel-control-prev-icon" aria-hidden="true"></span>
<span class="visually-hidden">Previous</span>
</button>
<button class="carousel-control-next" type="button" data-bs-target="#lightboxCarousel"
data-bs-slide="next">
<span class="carousel-control-next-icon" aria-hidden="true"></span>
<span class="visually-hidden">Next</span>
</button>
</div>
`;

modalBody.innerHTML = markup;
}

// Event Listener for gallery links
for (const link of links) {
link.addEventListener("click", function (e) {
e.preventDefault();
const currentImg = link.querySelector("img");
const lightboxCarousel = document.getElementById("lightboxCarousel");

if (lightboxCarousel) {
const parentCol = link.closest('.col');

```

```
const index = [...parentCol.parentElement.children].indexOf(parentCol);
```

```
const bsCarousel = new bootstrap.Carousel(lightboxCarousel);
```

```
bsCarousel.to(index);
```

```
} else {
```

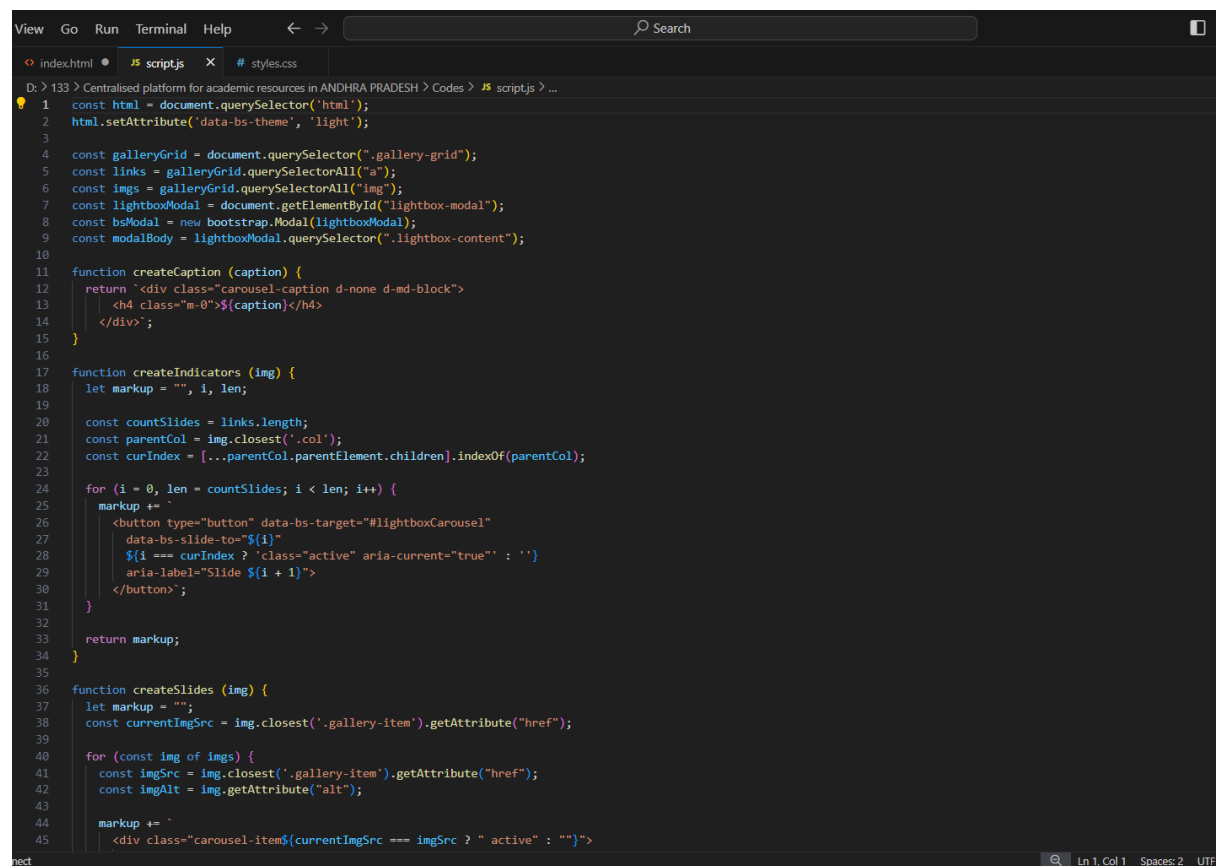
```
createCarousel(currentImg);
```

```
}
```

```
bsModal.show();
```

```
});
```

```
}
```



```
View Go Run Terminal Help ← → Search
index.html • JS script.js x # styles.css
D: > 133 > Centralised platform for academic resources in ANDHRA PRADESH > Codes > JS script.js > ...
1  const html = document.querySelector('html');
2  html.setAttribute('data-bs-theme', 'light');
3
4  const galleryGrid = document.querySelector(".gallery-grid");
5  const links = galleryGrid.querySelectorAll("a");
6  const imgs = galleryGrid.querySelectorAll("img");
7  const lightboxModal = document.getElementById("lightbox-modal");
8  const bsModal = new bootstrap.Modal(lightboxModal);
9  const modalBody = lightboxModal.querySelector(".lightbox-content");
10
11 function createCaption (caption) {
12   return `<div class="carousel-caption d-none d-md-block">
13     <h4 class="m-0">${caption}</h4>
14   </div>`;
15 }
16
17 function createIndicators (img) {
18   let markup = "", i, len;
19
20   const countSlides = links.length;
21   const parentCol = img.closest('.col');
22   const curIndex = [...parentCol.parentElement.children].indexOf(parentCol);
23
24   for (i = 0, len = countSlides; i < len; i++) {
25     markup += `
26       <button type="button" data-bs-target="#lightboxCarousel"
27         data-bs-slide-to="${i}"
28         ${i === curIndex ? 'class="active" aria-current="true" : ""}
29         aria-label="Slide ${i + 1}">
30     </button>`;
31   }
32
33   return markup;
34 }
35
36 function createSlides (img) {
37   let markup = "";
38   const currentImgSrc = img.closest('.gallery-item').getAttribute("href");
39
40   for (const img of imgs) {
41     const imgSrc = img.closest('.gallery-item').getAttribute("href");
42     const imgAlt = img.getAttribute("alt");
43
44     markup += `
45     <div class="carousel-item${currentImgSrc === imgSrc ? " active" : ""}>`
```

## Style.css:

```
@import
url('https://fonts.googleapis.com/css2?family=Roboto:wght@400;700
&display=swap');

:root {
  --lightbox: rgba(0, 0, 0, 0.75);
  --carousel-text: #fff;
}

body {
  margin: 1.5rem 0 3.5rem;
  font-family: "Roboto", sans-serif;
}

.point, .wcu-section-description {
  color: #5a7184;
  font-size: 16px;
  text-align: justify;
  padding: 10px 0;
}

.head {
  text-align: center;
  font-size: 50px;
  background:
    url("https://encrypted-
tbn0.gstatic.com/images?q=tbn:ANd9GcTZbIKJrM2x-
SSQ6yRby3ZHZR5OmUpePyShxZUGiCizzxI2KCG1YcXbViVR&s=
10") cover;
  background-clip: text;
  color: transparent;
  animation: move 4s infinite;
  padding: 70px;
}

@keyframes move {
  100% { background-position-x: 500px; }
}
```

```

.hmbg, .hmbgg, .hmbggg {
    height: cover;
    background-size: cover;
    color: white;
    padding: 10px;
}

.hmbg {
    background-image: url('https://img.pikbest.com/wp/202408/texture-
canvas-empty-of-ideal-for-design-on-a-dark-
background_9946967.jpg!w700wp');
}

.hmbgg {
    background-image: url('https://encrypted-
tbn0.gstatic.com/images?q=tbn:ANd9GcSC9yYFcS9dMy-g-
G5TlCNNsSqji1HZNEEnMe6RiRZ44gvEwzMdIHMaNtQUW&s=10');
}

.hmbggg {
    background-image:
url('https://w0.peakpx.com/wallpaper/509/73/HD-wallpaper-
aeroplane-aircraft-airplane-aviation-background-jets-navy-old-plane-
planes.jpg');
}

.button {
    color: white;
    background-color: #25b1cc;
    width: 138px;
    height: 36px;
    border: none;
    border-radius: 20px;
}

.menu-item-card, .wcu-card, .favourite-place-card-container {
    border-radius: 16px;
    background-color: white;
    padding: 16px;
}

```

```

.menu-card-title, .favourite-place-card-heading, .wcu-card-title, .wcu-
section-heading, .favourite-places-heading {
    color: #183b56;
    font-size: 22px;
    font-weight: 500;
}

.favourite-place-card-image, .wcu-card-image, .mgsz {
    width: 150px;
    height: 200px;
}

.gallery-item img {
    width: 100%;
    height: 250px;
    object-fit: cover;
    box-shadow: 0 1rem 1rem rgba(0, 0, 0, 0.15);
    transition: box-shadow 0.2s;
}

.gallery-item:hover img {
    box-shadow: 0 1rem 1rem rgba(0, 0, 0, 0.35);
}

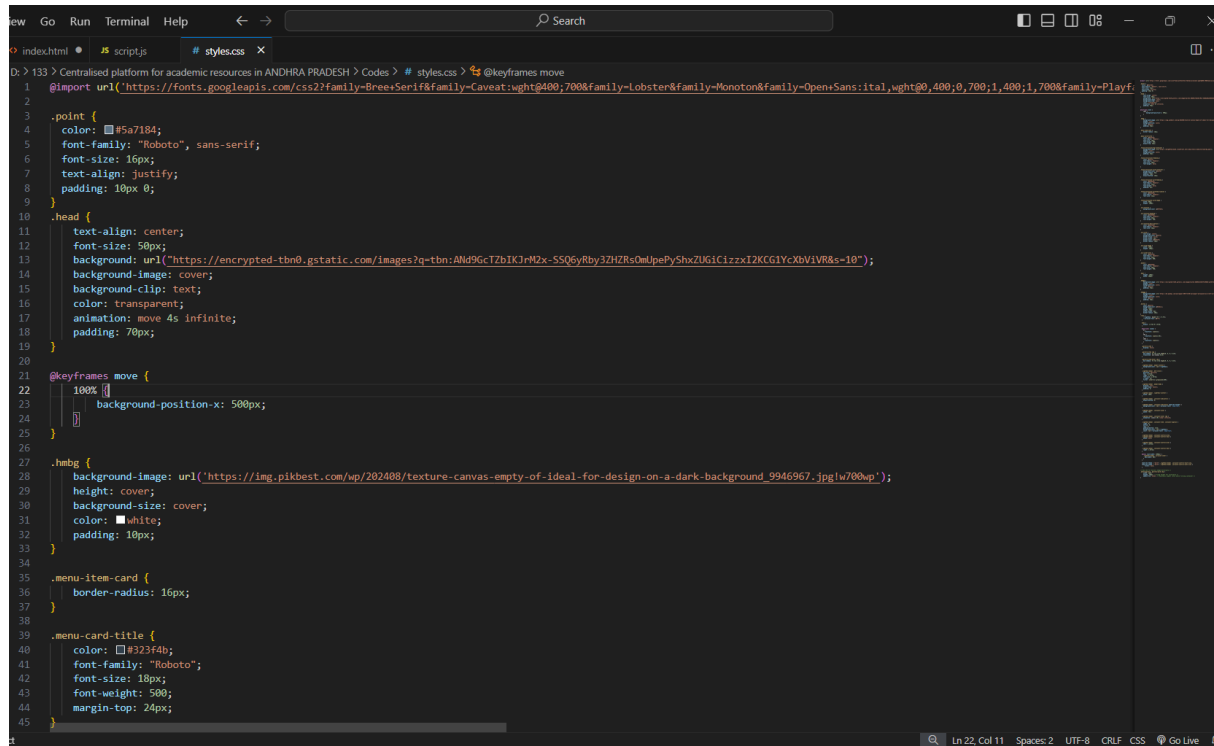
.lightbox-modal .modal-content, .lightbox-modal .carousel-caption {
    background-color: var(--lightbox);
    color: var(--carousel-text);
}

.lightbox-modal .btn-close {
    position: absolute;
    top: 1.25rem;
    right: 1.25rem;
    font-size: 1.25rem;
    z-index: 10;
    filter: invert(1) grayscale(100);
}

.lightbox-modal .carousel-inner img {
    animation: zoomin 10s linear infinite;
}

```

```
@keyframes zoomin {
  0%, 100% { transform: scale(1); }
  50% { transform: scale(1.05); }
}
```



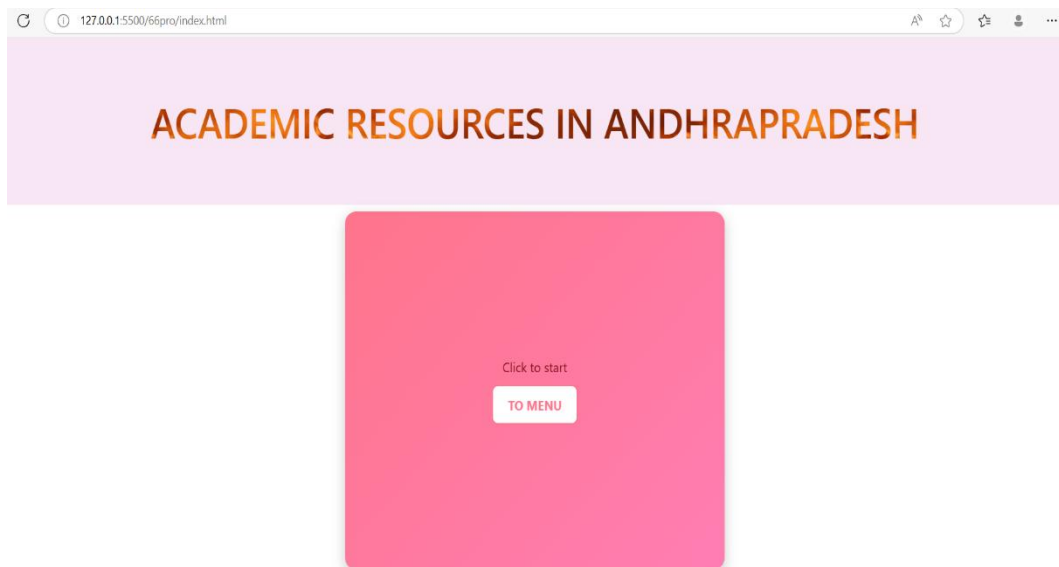
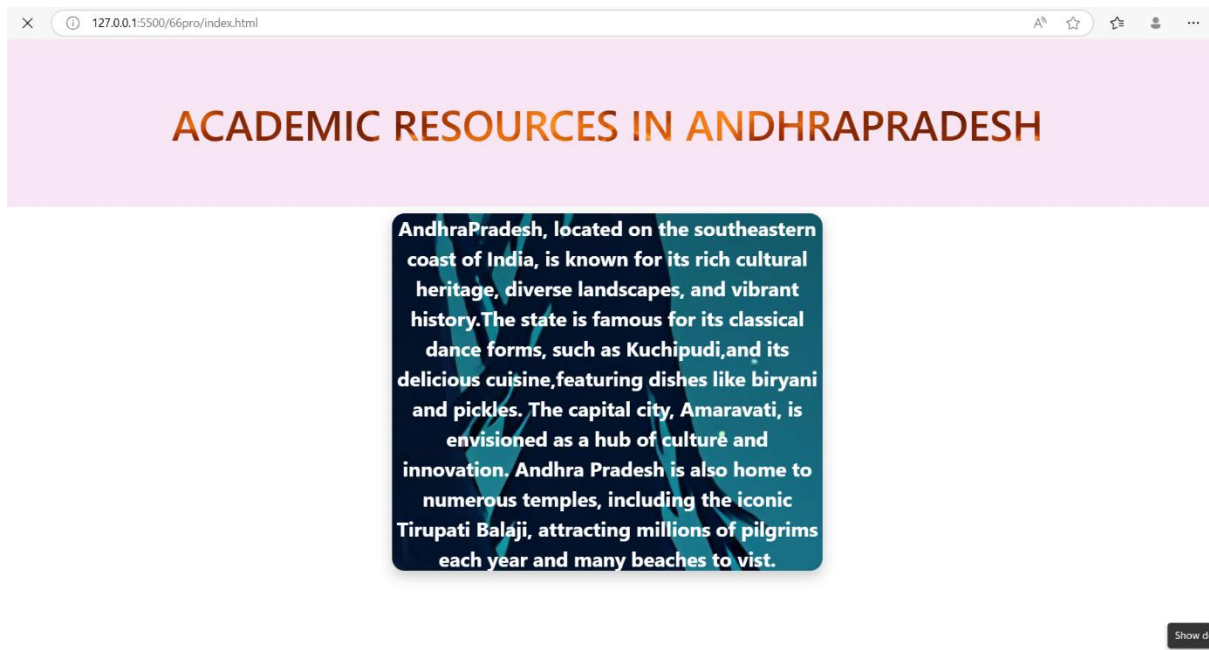


## **RESULTS**

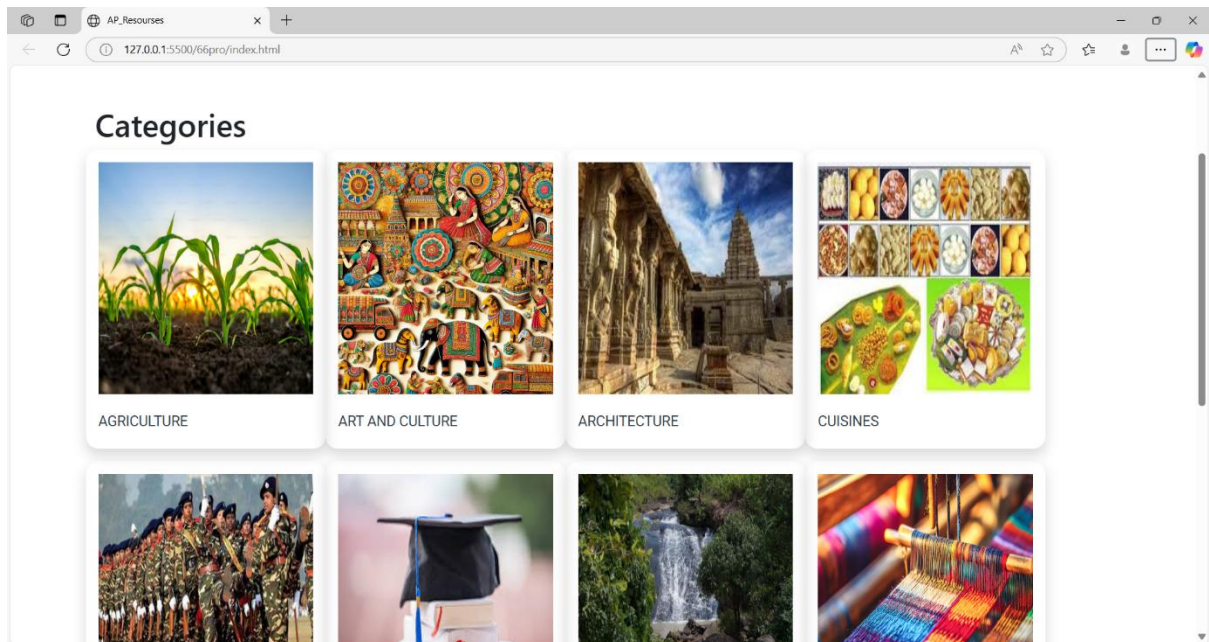
Digital resource platforms often focus on the seamless integration of data across various topics, supporting a holistic approach to learning and exploration. In this project, content on different fields related to Andhra Pradesh, such as agriculture and technology, is seamlessly interwoven to provide a comprehensive view of the state's academic and cultural landscape. Similar projects demonstrate the effectiveness of this holistic integration, particularly in regional and cultural platforms where users benefit from interconnected information sources.

In conclusion, the Centralized Platform for Academic Resources in Andhra Pradesh builds on best practices from various successful digital knowledge repositories and educational platforms. By integrating well-structured categorization, multimedia elements, responsive design, and a user-centered interface, this project aims to deliver a high-quality, accessible, and engaging resource hub for users interested in Andhra Pradesh's academic and cultural wealth. The project leverages insights from existing platforms to create a comprehensive and interactive experience that meets the needs of scholars, researchers, and knowledge-seekers in a streamlined, centralized manner.

# HOME PAGE



# Categories



# GALLERY



# DEMOGRAPHY

AP\_Resourses

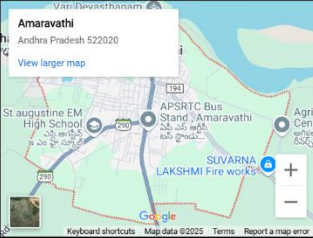
127.0.0.1:5500/66pro/index.html

Andhra Pradesh (AP) is a state located on the southeastern coast of India. It is bordered by Telangana to the north, Karnataka to the west, Tamil Nadu to the south, and the Bay of Bengal to the east. The state's capital is Amaravathi, with Visakhapatnam and Vijayawada being major urban centers. Andhra Pradesh is known for its diverse geography, which includes coastal plains, fertile river deltas, and mountainous regions, making it an important agricultural hub. The state's map features distinct coastal areas, hill ranges, and river systems like the Godavari and Krishna, contributing to its rich cultural and natural heritage.

Amaravathi

Andhra Pradesh 522020

View larger map

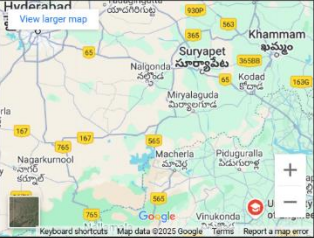


**Amaravathi**

Amaravathi is a village located on the banks of the Krishna River in the Guntur district of Andhra Pradesh, India. It serves as the administrative centre of Amaravathi mandal and is part of the Andhra Pradesh Capital Region.

Hurrahahar

View larger map



**JNTUK**

Jawaharlal Nehru Technological University Kakinada (JNTUK) is a public university located in Kakinada, Andhra Pradesh, India, established in 2008. It evolved from the College of Engineering Vizagapatnam, founded in 1946. JNTUK focuses primarily on engineering and has recently achieved an 'A+' grade from the National Assessment and Accreditation Council (NAAC), reflecting its commitment to academic excellence and research.

Kakinada

71

Kuchipudi

71

Yaddar

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# WEBSITE SPECIFICATIONS

## ACADEMIC RESOURCES IN ANDHRAPRADESH

WEBSITE SPECIFICATIONS

Specialties

- Comprehensive Resource Hub:** The website serves as a one-stop destination for academic resources, including educational institutions, research centers, and libraries in Andhra Pradesh.
- Field-Specific Sections:** Each academic field—such as history, science, agriculture, and art—has dedicated sections, providing tailored resources and information for researchers and students alike.
- Interactive Maps:** The inclusion of Google Maps allows users to easily locate academic institutions and research sites, enhancing accessibility to information.
- User-Friendly Design:** The website features a clean and intuitive layout, making it easy for users to navigate through various topics and find relevant information quickly.
- Visual Content:** High-quality images and infographics complement the text, making the content more engaging and easier to understand.

Specifications

- Sections:**
  - Home
  - Fields of Study (Education, History, Agriculture, Art and Culture, Fisheries, Handlooms, Archaeology, Science and Technology, Defence, Medicine)
  - Maps (Google Maps integration)
  - Images (Gallery of relevant visuals)
- Responsive Design:** The website is optimized for both desktop and mobile devices, ensuring a seamless experience for all users.
- Search Functionality:** A search bar enables users to quickly find specific resources or information within the site.
- Content Updates:** Regular updates to ensure that information remains current and relevant, particularly in fast-evolving fields like science and technology.

back

## **APPLICATIONS**

1. Academic Resource Accessibility
2. Scholarly Research and Development
3. Promotion of Andhra Pradesh's Cultural and Academic Heritage
4. Research Domain Exploration
5. Enhanced Learning and Teaching
6. Event Management and Participation
7. Centralized Knowledge Sharing
8. Regional Research Visibility
9. Integration with Global Research Platforms
10. Personalized Academic Assistance

## **CONCLUSION**

The Centralized Platform for Academic Resources in Andhra Pradesh is a visionary project designed to consolidate and simplify access to diverse academic and cultural resources within the state. By addressing the fragmented nature of resource availability, the platform provides a comprehensive, user-friendly, and centralized solution for scholars, researchers, and academicians. The platform's modular architecture ensures seamless integration of features like advanced search and filtering, resource aggregation, domain-specific categorization. These features cater to the needs of a wide range of users, promoting interdisciplinary research and collaboration.

## **REFERENCES**

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