

CIE Website Redesign/Update Project

Proposed Sitemap and Requirement Document

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Overview

I've designed a sitemap and requirement document to revamp the website into a modern, trending style that appeals to students aged 17-22.

The focus is on simplicity, with a horizontal navigation bar featuring four primary tabs: Students, Industry, Alumni, and More. The rest of the content is organized under these tabs to ensure easy navigation and accessibility.

Sitemap Structure

This structure ensures that each audience segment—students, industry partners, alumni, and general visitors—has tailored content, making the website intuitive and engaging.

The website will have the following structure, ensuring a clear hierarchy for users:

- **Home:** Introduction to CIE, mission, vision, CIE Ignite overview, and recent updates.
- **Students:**
 - Overview: What CIE offers to students.
 - Programs: Details of programs like CIE Ignite, summer programs, bootcamp, basecamp, etc.
 - Events: Calendar of upcoming and past events.
 - Resources: Learning materials, guides, and templates.
 - Student Projects: Showcasing current and past projects.
 - Mentorship: Information on mentorship programs.
 - Funding and Grants: Opportunities for funding.
 - Student Clubs: E-Cell, CMS
 - FAQs for Students: Common questions and answers.
- **Industry:**
 - About Industry Collaboration: Benefits of Partnering with CIE.

- Collaboration Opportunities: Sponsorship, mentorship, and research collaborations.
- Internships and Jobs: Platform for posting job and internship opportunities.
- Events for Industry: Industry-specific events and webinars.
- Success Stories: Case studies of successful collaborations.
- Contact for Industry: Specific contact information.
- Requests from Industry: Hackathons, Workshops, Scholarships
- **Alumni:**
 - Welcome: Introduction for alumni.
 - News and Updates: Recent achievements and updates.
 - Stay Connected: Alumni association, newsletter sign-up.
 - Give Back: Opportunities for mentorship or donations.
 - Resources for Alum: Access to specific resources.
 - Directory: Listing of alumni.
- **Core:**
 - About CIE: Detailed information about the center, team, and history.
 - Research and Publications: Any research papers or publications.
 - Contact Us: General contact information.
 - General FAQs: Common questions and answers.
 - Policies: Privacy policy, terms of use, etc.
 - Careers: Job openings at CIE.

Requirement Document Details

The requirement document for the web development company includes the following:

- **Design Guidelines:** The website should have a clean, modern, and responsive design with vibrant colors and imagery that appeals to young adults. It must maintain consistent branding with PES University and be compatible with mobile devices.
- **Functionality Requirements:** Key features include an event calendar for listing events, a news section for updates, a job posting system for industry partners, contact forms for user interaction, search functionality, and integration with social media.
- **Inspiration:** The design and structure should draw from wazokucrowd, cfe.umich.edu, a [YouTube video](#) (YouTube Video), and unstop.com, ensuring a user-friendly and dynamic experience.

- **Alignment with CIE's Goals:** The event system and job portal directly support CIE's mission to inspire innovation and connect students with industry, while assessments enhance learning and engagement.

Nice to have is including a directory for alumni, which could foster a stronger community connection and provide networking opportunities, enhancing engagement beyond typical website features.

Detailed Sitemap Structure

This structure ensures that each tab has tailored content, with subpages for detailed information, which enhances the user experience.

The sitemap is designed to be hierarchical, with the following structure:

| Level 1 | Level 2 | | |
|----------|--------------------|--|-----------------------------------|
| Home | - | - | |
| Students | Overview | - | |
| | Programs | Summer Programs, Bootcamp, Basecamp, PAML, PM, etc | |
| | Events | Upcoming Events, Past Events | |
| | Resources | Guides, Templates, Online Courses | |
| | Student Projects | Current Projects, Past Projects | |
| | Mentorship | - | |
| | Funding and Grants | CiC Mathworks | CiC - Ready Program |
| | Student Clubs | E-Cell CMS | |
| | CoE by PESU | 1. Center for Computer Networks and Cyber Security (CCNCS) | Redirected to respective websites |

| | | | |
|--|--|--|--|
| | | <ol style="list-style-type: none"> 2. Centre for Heterogeneous and Intelligent Processing Systems (CHIPS) 3. Quantum and Nano Devices Lab (QuaNaD) 4. Centre of Data Modelling, Analytics and Visualization (CoDMAV) 5. Centre for Research in Space Science and Technology (CRSST) 6. Centre for Robotics, Automation & Intelligent Systems (CRAIS) 7. Centre for Cloud Computing & Big Data 8. Crucible of Research and Innovation (CORI) 9. Center of Excellence in Information Security, Forensics, and Cyber Resilience (C-ISFCR) 10. Center of Excellence in Internet of Things (C-IoT) 11. Center for Pattern Recognition 12. Knowledge Analytics & Ontological Engineering (KANOE) 13. Centre for Intelligent Systems 14. Laboratory of Photonics & Quantum Technology 15. Center for Data Sciences and Applied Machine Learning (CDSAML) 16. Centre of Cognitive Computing and | |
|--|--|--|--|

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|----------|-----------------------------|--|--|
| | | Computational Intelligence (C3I) 17. IOT Maker's Space | |
| | FAQs for Students | - | |
| Industry | About for Industry | - | |
| | Collaboration Opportunities | Sponsorship, Mentorship, Research | |
| | Internships and Jobs | Job Postings, Internship Opportunities | |
| | Competitions | Hackathon Workshop Scholarships (Similar to unstop.com but with a request form) | |
| | Events for Industry | - | |
| | Success Stories | - | |
| | Contact for Industry | - | |
| Alum | Welcome | - | |
| | News and Updates | - | |
| | Stay Connected | - | |
| | Give Back | Mentorship, Donations Invest(Alumni Angel Fund) | |
| | Resources for Alum | - | |
| | Directory | - | |
| More | About CIE | - | |
| | Research and Publications | - | |

| | | | |
|--|--------------|---|--|
| | Contact Us | - | |
| | General FAQs | - | |
| | Policies | - | |
| | Careers | - | |

Functionality includes:

- **Event Calendar:** This is for listing events with registration forms, inspired by cfe.umich.edu's speaker series.
- **News Section:** For updates and announcements, similar to alumni news on Team – CIE.
- **Job Posting System:** For industry partners, akin to collaboration opportunities on wazokucrowd.
- **Search Functionality:** To help users find specific content, a common feature in modern websites.
- **Social Media Integration:** Links to CIE's profiles, enhancing engagement.

Implementation Considerations

The web development company should ensure the website is SEO-optimized, with fast loading times and secure hosting, given the current date of March 28, 2025, and the need for a contemporary digital presence. User testing with students aged 17-22 is recommended to validate the design and navigation.