

CSE Department Website Modernization Project

Modern vs. Existing SSN Site Comparison

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- **Objective:** To modernize the SSN CSE department website.
- **Vision:** To create responsive, accessible, and interactive pages.
- **New Features:** Add dashboards, maps, filters, and student engagement sections.

- **Responsive Design:** Fully responsive on desktops, tablets, and mobiles.
- **Dark/Light Mode:** Toggle between themes for comfort.
- **Interactive Dashboards:** Charts, and filters.
- **Maps and Visuals:** Google Maps integration.
- **Search and Filters:** Dynamic faculty listing by expertise.

New Site Navigation:

- Home, About, Programs
- Research, Placements
Dashboard
- Student Corner, Contact

Key Features:

- Dark/Light mode toggle.
- Interactive charts.
- Faculty search and filters.
- Embedded Google Maps and contact form.

- Hero banner with the department's vision.
- Highlights section with cards for labs, achievements, and activities.
- Interactive placement statistics chart.
- Floating **Back-to-Top** button for improved usability.

Faculty Page:

- Dynamic faculty listing.
- Search functionality.
- Filter by expertise (AI, ML, Cybersecurity, etc.).

Research Section:

- Research domains displayed as tags.
- Linked PDFs for patents, projects, and publications.

Placements Dashboard:

- Interactive dashboards with KPIs.
- Filters for year, company, and country.
- Global alumni map.

Student Corner:

- Clubs (ACM, IEEE, Coding Club, etc.).
- Events timeline.
- Achievements (hackathons, research papers).

Comparison with Existing Site

Existing SSN Site	New Modern Site
Mostly static pages	Interactive dashboards, charts, maps
Limited interactivity	Student engagement sections
Relies on PDF downloads	Search, filters, modern design
Not fully accessible	Fully accessible

Conclusion

- The new site offers a more modern and engaging user experience.
- Improves usability for students, faculty, and alumni.
- Adds visualizations, dashboards, and dynamic content.
- Represents a significant improvement over the existing site.

Future Work

- 360° Virtual Tour ...
- Alumni Connect ...
- AI-powered Q&A Bot ...

Thank you!