

GP 23-24 Titles Abstract-Male Campus

Sr. No.	GP Title	Abstract
1	Automation graduation projects processes	Our goal is to create a web page using the following tools: html & CSS, PHP, and MySQL. This project helps simplify the registration process for graduation projects and enables the student to choose the appropriate supervisor. The primary goal is to automate and accelerate these processes. Thus, saving time and effort for both students and project supervisors. By improving the efficiency of managing graduation projects, the site can contribute to the comprehensive management of such projects within the college or academic institution. We also seek to enhance the efficiency of managing graduation projects. The platform plays a pivotal role in enhancing comprehensive project management within the college or academic institution.
2	Safe Drive Alert	The "Safe Drive Alert" project is an ambitious initiative driven by a steadfast commitment to address the pervasive threat of drowsy driving through the creation of a sophisticated Driver Drowsiness Detection System. In light of alarming statistics that underscore the significant role of driver fatigue in road accidents, this project represents a proactive Endeavor to revolutionize road safety by harnessing cutting-edge technologies and innovative methodologies. At its core, the Driver Drowsiness Detection System embodies a fusion of advanced machine learning algorithms and computer vision techniques, meticulously designed to monitor drivers in real-time. By leveraging data captured by in-car cameras, the system conducts a comprehensive analysis of facial expressions, eye movements, and behavioural cues, enabling the early identification of drowsiness indicators. What distinguishes this system is its adaptive nature, capable of customizing detection thresholds and warning strategies based on individual driver characteristics. This personalized approach ensures that interventions are timely, effective, and tailored to meet the unique needs of each driver. By empowering drivers with the means to detect and mitigate the risks associated with fatigue-induced impairment, the safe driver alert not only prevents accidents but also fosters a culture of proactive safety on the roads.
3	Book Trade	The Book Trade is a web-based book-Trading platform where users/students can sell and buy books. This platform gives a chance to students to buy books at a lower price. The users who

		want to sell their used books they can sell on this platform. The platform is getting a benefit in the form of a nominal commission for each trade. For developing this software, we are using PHP as Server-side scripting and MySQL as Database and CSS and java script for design.
4	Development of University App	
5	Student result management system	The Student Result Management System is a software website designed to streamline and automate the process of managing student results within educational institutions such as schools. This project aims to provide a centralized platform for teachers, and students to efficiently manage and access academic performance data.
6	Safe Drive Alert	
7	Online Pharmacy Management	In our modern era, with the advancement of science and artificial intelligence, medical equipment must be developed, just like entertainment, sports, movies, and other matters of life. It is necessary to facilitate access to doctors and nurses and medicines without going to distant centers or pharmacies, and artificial intelligence has helped us to do this and made the matter as simple as it can be. Access to medicines and prescriptions faster. The user can search and read about the medicine, inquire about its benefits and harms, and communicate with technical support if there is a problem. This electronic pharmacy is designed to be useful for the patient or others to search for what they need
8	Map for Al-masjid Al-haram in Mecca	In this Graduation Project, we aim to address several challenges associated with navigating Al-Masjid Al- Haram in Mecca by a Website development. This site functions as a detailed of Al-Masjid Al-Haram, highlighting important sites and locations within and around the mosque. By incorporating advanced GPS technology and real-time updates, the site provides accurate and up-to-date navigation assistance to visitors. Our site also includes features such as: Route Optimization: Suggests the best paths to avoid congestion. Landmark Information: Offers detailed descriptions and historical context of key sites. Accessibility Features: Ensures that users with disabilities can navigate the mosque with ease. Multilingual Support: Provides information in multiple languages to cater to international visitors. This project aims to enhance the experience of pilgrims by reducing confusion and ensuring a smooth, informed visit to one of the holiest sites in Islam. Ultimately, we hope this site will contribute to a more efficient and spiritually fulfilling pilgrimage.

9	Evaluating and adopting students' ideas and research	The primary goals of this Endeavor include real-time monitoring of information availability, effective organization of researchers, maintaining data integrity, and comprehensive documentation of students and their research endeavours. The project seeks to establish a feedback mechanism involving students, university staff, and college staff and promote a culture of continuous improvement in graduation projects
10	Cyber Security Accounts Strength Meter	In an era marked by pervasive digitalization, safeguarding online accounts from malicious intrusion has become a critical imperative. The Cybersecurity Accounts Strength Meter emerges as a proactive solution, leveraging advanced algorithms to assess password robustness, generate secure credentials, and impart essential cybersecurity awareness. By estimating the time needed to compromise passwords and offering personalized recommendations, this tool serves as a frontline defence against evolving cyber threats. Through the synergy of innovative technology and user education, it empowers individuals to fortify their digital identities and navigate the virtual landscape with confidence. This paper delineates the development, implementation, and impact assessment of the Cybersecurity Accounts Strength Meter, elucidating its role in fortifying online security paradigms and fostering a culture of cyber resilience.