Parul® University

NAAC A++ ACCREDITED UNIVERSITY

PRESENTATION ON

PROJECT PULSE

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OUTLINE

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INTRODUCTION

PROJECT PULSE

- Our online platform aims to tackles the common frustrations faced by both employee and project manager or student and faculty during project-based learning. We aim to fill the gap by eliminating administrative burdens and creating a transparent workflow.
- No more chasing, no more delays, just seamless connection and empowered learning. Letting everyone focus on what truly matters - progress, impact, and shared success.

MOTIVATION

MOTIVATION

- Frustration with inefficient feedback loops: Waiting ages for email replies or chasing down professors during college hours can be demotivating, hindering progress and leaving students feeling unheard.
- Struggling through a project without immediate support can be discouraging, leading to wasted time and missed opportunities for course correction
- Limited visibility into progress: Relying on updates or presentations still an incomplete picture, making it difficult to provide tailored feedback and support.

MOTIVATION

- Reduced administrative burden: The platform can automate tasks like scheduling meetings, collecting submissions, and tracking progress, freeing up time for faculty to focus on higher-level aspects of teaching, like providing feedback and supporting individual student needs.
- Faster and more organized feedback: The platform can facilitate easier and quicker communication with students, allowing for more frequent and timely feedback, which can improve learning outcomes.
- Difficulty offering personalized feedback , Time Management, Communication & Collaboration, Assessment and Evaluation.

AIM & OBJECTIVES

AIM & OBJECTIVES

- Increase project completion rates, Improve project quality, Boost student/employee engagement and motivation. Develop essential skills.
- Strengthen relationships with students /employee, Gain deeper insights into their progress.
- Overall, our aim and objectives are ambitious, but achievable. We believe that by building a comprehensive and user-friendly platform, we can create a transformational experience for both students and faculty.

APPLICATIONS

APPLICATIONS

- The platform breaks down barriers and connects learners, mentors, and communities to work together on projects, fostering a sense of teamwork and shared purpose.
- This platform is a launchpad for innovation, where every project has the potential to make a real difference, not just earn a grade.
- Collaborate with classmates and mentors seamlessly through integrated communication tools like chats, forums, and online meetings. Work on shared documents and project files in real-time, eliminating email chaos and streamlining collaborative efforts.

LITERATURE SURVEY

BASE PAPER[0]: THE APPLICATION OF PROJECT MANAGEMENT METHODOLOGY IN THE TRAINING OF COLLEGE STUDENTS' INNOVATION AND ENTREPRENEURSHIP ABILITY UNDER SUSTAINABLE EDUCATION

Publication and Year	Author name	Approach (Methodology)	Advantages	Limitations
2024	Hailing Wei, Ailing Ding, Zhiqiang Gao	Used to analyze the existing state of innovation and entrepreneurship education and identify the challenges faced. Artificial Bee Colony (ABC) algorithm: Optimized the parameters of the model, improving its training effect.	Integrates different techniques to address a complex problem. Leverages quantitative data and optimization algorithms for decision-making.	The ABC-BP combination model may be complex to implement and require expertise in these specific algorithms.
		Back Propagation (BP) model: Trained and refined the linear parameters of the model, exploring optimal combination factors.	ABC-BP model aims for faster convergence and better optimization compared to classic BP or PSO models.	The study may not be directly applicable to other educational contexts without further research and adjustments.

PAPER 1: RESPONSIVE OR ADAPTIVE EDUCATIONAL MOBILE WEBSITES: THE IMPACT OF DIFFERENT DESIGNS ON STUDENT'S PREFERENCES AT JOUF UNIVERSITY – SAUDI ARABIA

Publication and Year	Author Name	Approach (Methodology)	Advantages	Limitations
Faculty of Science and Arts, Jouf University, Saudi Arabia. 2019	Assist. Prof. Dr. Mohammed H. Ragab Khalaf	Developed two mobile learning websites: responsive (RW) and adaptive (AW). Divided students into two groups: RW and AW users.	Provided insights for designing mobile websites that cater to diverse device characteristics. Highlighted the importance of effective design in enhancing student preference for mobile learning platforms.	The current research limited to designing the third chapter entitled "communication skills in university environment" in the course named "university life skills" by Dr. Abdul Majid El Grewy, the major reference to the course.
		The quasi-experimental methodology was followed; two experimental groups with no control group design, to examine the following research hypothesis.	Single responsive design for multiple devices: Eliminates the need for separate designs for each device. Dynamic resizing and rearrangement of content: Adapts to different screen sizes and resolutions.	Did not explore long-term impact of design preferences on learning outcomes. Focused solely on student preferences, neglecting other factors like learning effectiveness or technical complexities.
		There is no significant difference between the average scores of the RW group and the AW group at the preference level test.	Highlighted the importance of effective design in enhancing student preference for mobile learning platforms.	Integrating the system with existing institutional platforms might require technical expertise.

PAPER 2: PROJECT MANAGERS' COMPETENCIES IN COLLABORATIVE CONSTRUCTION PROJECTS

Publication and Year	Author Name	Approach (Methodology)	Advantages	Limitations
Tampere University, Finland 2020	Sina Moradi, Kalle Kahkonen, Kirsi Aaltonen	The study employed two different data collection techniques, including a web-based questionnaire and semi-structured interviews.	Collaborative delivery methods create an operational environment conducive to enhanced interaction and cooperation among diverse project stakeholders.	Collaborative construction projects and their managerial solutions are relatively new fields, resulting in limited prior research on aspects such as project managers' competencies..
		The web-based questionnaire was utilized to identify project managers' competencies by evaluating the frequency and type of their behaviors related to their everyday work.	The use of a web-based questionnaire and semi-structured interviews facilitates comprehensive data collection from case projects, ensuring a thorough analysis of project managers' behaviors and competencies.	Data collection relies on project managers' self-reported behaviors and experiences, which may introduce bias or subjectivity into the analysis..
		Then, semi-structured interviews were used to validate the obtained findings from completed questionnaires. The process of collecting data through the mentioned techniques is described in the following.	The research adopts a human behavioral approach to evaluate project managers' competencies, leveraging their everyday work experiences as the primary source of understanding.	While differences between competencies in traditional and collaborative construction projects are discussed, further exploration of these differences and their implications may be warranted.

PAPER 3: CLOUD-BASED OUTSOURCING FRAMEWORK FOR EFFICIENT IT PROJECT MANAGEMENT PRACTICES

Publication and Year	Author Name	Approach (Methodology)	Advantages	Limitations
International Journal of Advanced Computer Science and Application 2020	DP Sharma, PhD	The research utilized a mixed data analysis approach to systematically and carefully investigate the adaptation and improvement of ICT-enabled project management practices in an outsourced environment.	By adopting cloud-based outsourcing in IT project management practices, organizations can optimize the utilization of human resources, particularly in regions with shortages of high-skilled IT professionals.	Successful implementation of cloud-based outsourcing relies heavily on the availability and capacity of ICT infrastructure, which may be limited in developing countries like Ethiopia.
		Salient stakeholders' views were collected and analyzed to inform the design of a cloud-based outsourcing IT project management framework tailored to the Ethiopian IT industry.	Cloud-based outsourcing enables organizations to overcome challenges such as rapid attrition and physical migration of IT professionals by providing a flexible and adaptable working environment.	Outsourcing IT project management to the cloud may raise concerns about data security and privacy, particularly when sensitive information is involved.
		The framework was functionally tested over the cloud-based Bitrix24 platform, indicating a practical implementation and validation of the proposed approach.	By leveraging cloud-based resources, organizations can improve the efficiency of project development processes and enhance overall project management practices..	Findings and recommendations may have limited generalizability beyond the context of developing countries like Ethiopia and may require adaptation to suit other regional or organizational contexts.

PAPER 4: EVALUATING THE EFFECTS OF RESPONSIVE DESIGN ON THE USABILITY OF ACADEMIC WEBSITES IN THE PANDEMIC

Publication and Year	Author Name	Approach (Methodology)	Advantages	Limitations
Faculty of Economics and Administrative Sciences, Turkey 2021	Alaattin Parlakkiliç	The approach involved conducting a questionnaire survey among university students using a five-point Likert scale to assess the impact of responsive design on usability.	Responsive design facilitates usability across various devices, allowing students to access academic websites seamlessly, which is particularly crucial during the COVID-19 pandemic.	Findings may be limited to the specific demographic of university students surveyed and may not fully represent other user groups or contexts.
		Demographic analysis was performed to evaluate correlations between students' characteristics (age, gender, internet access method) and their attitudes towards responsive design.	Implementing responsive design reduces the need to create and maintain multiple versions of websites for different devices, thus saving costs and time associated with design, updates, and maintenance.	The usability and effectiveness of academic websites may also be influenced by external factors beyond responsive design, such as internet connectivity, device performance, and individual preferences
		Regression analysis was employed to quantify the relationship between responsive design and usability dimensions while exploring interrelations among these dimensions.	A user-friendly interface provided by responsive design encourages students to engage more with academic websites, leading to improved learning experiences and outcomes.	Some systems may have limited functionality without an internet connection, impacting usability in areas with unreliable internet access.

PAPER 5: IMPORTANCE OF RESPONSIVE WEB DESIGN FOR EDUCATION OF STUDENTS USING FACULTY WEBSITE

Publication and Year	Author Name	Approach (Methodology)	Advantages	Limitations
International Scientific Conference on ICT and E-Business Related Research 2016	Pavle Dakić, University Singidunum, Stefan Kocić, Union University Belgrade, Miloš Popović, University Singidunum	The paper analyzes the importance of responsive web design (RWD) in the context of educational institutions, focusing on Belgrade Business School's faculty website..	Improved user experience and accessibility across devices. Enhanced mobile-friendliness, catering to the dominant mobile browsing trend.	It lacks empirical data or case studies to directly demonstrate the impact of RWD on Belgrade Business School's website.
		It draws upon existing research and trends in mobile device usage and SEO to advocate for RWD implementation.	Strengthened visual communication and aesthetics on different platforms. Potential boost in SEO ranking and website visibility.	The paper does not delve into the specific implementation process or technical details of RWD.
			Increased appeal and engagement for prospective students	The broader challenges and costs associated with technology adoption in educational institutions are not explicitly addressed.

PAPER 6: DESIGN AND DEVELOPMENT OF A UNIVERSITY PORTAL FOR THE MANAGEMENT OF FINAL YEAR UNDERGRADUATE PROJECTS

Publication and Year	Author name	Approach (Methodology)	Advantages	Limitations
Covenant University, Nigeria 2013	Abdulkareem Ademola , Adeyinka Adewale , Dike U. Ike)	Assessing needs and gathering requirements. Defining features like preventing duplication and enabling communication.	Prevention of duplication/replication of final year projects.	Complexity in customization. Technical challenges (compatibility, security).
		Designing the portal's architecture and user interface.	Automation of supervisor allocation to students.	User adoption and training needs.
		Developing and testing the portal iteratively. Deploying it, providing training, and ensuring ongoing maintenance.	Facilitation of communication between students and supervisors.	Ongoing maintenance requirements.
			Capability for students to upload initial reports and supervisors to review and update them.	

PAPER 7: OFFICE MANAGEMENT AND HR PORTAL

Publication and Year	Author name	Approach (Methodology)	Advantages	Limitations
Jaypee University of Information Technology 2021	Rohit Rajan	Agile Methodology is used in development.	Automate the management of employee and project details.	Managing the complexity of integrating various functionalities.
		Requirement and the solution evolves through collaborating with the client.	Tracking employee activities on a daily basis and project progress.	Ensuring data security for sensitive employee and project information.
		It is more powerful and efficient within a short period of time than the other model and it incorporate front to front Communication.	Centralizing the project data.	Integrating the tool with existing systems and processes within the company.

PAPER 8 :DESIGN AND DEVELOPMENT OF OPEN-SOURCE CAPSTONE PROJECT MANAGEMENT PORTAL

Publication and Year	Author name	Approach (Methodology)	Advantages	Limitations
Thapar Institute of Engineering & Technology, Patiala, India 2022	Divya Prakash Mittal , Ramit Koul , Utkarsh Chauhan, Aryamaan Pandey , Vinay Kumar	Identifying the needs and requirements of the students and the faculty.	Emphasizes teamwork for solving real-world, open-ended technology problems.	Technical Challenges and issues.
		Defining the features and functions regarding the project.	Seamless collaboration among stakeholders, including students, mentors,etc.	Providing proper access controls to all stakeholders.
		Designing user-friendly interface and deploying it.	Visibility into project progress, milestones, and deadlines, etc	Ensuring data security and consistency.

PAPER 9 :WEB-BASED PLACEMENT PORTAL USING C-SHARP

Publication and Year	Author name	Approach (Methodology)	Advantages	Limitations
International Journal of Novel Research and Development 2023	Prabhat Jain , Nishant Kumar Nagar , Piyush Vijay , Abhishek Dadhich	The project follows a web-based automated approach for managing the training and placement process in colleges and universities	Automates manual tasks, saving time and effort in managing placement processes. Stores all student and company information in one accessible portal.	Technical Issues Dependency on Internet Data Security Risks Training Requirements
		It utilizes a portal where both Training and Placement Officers (TPOs) and students have separate profiles.	Improved Communication Enhanced Record Keeping Real-time Updates	Limited Customization Costly Implementation Accessibility Concerns User Adoption Challenges

PAPER 10 :A WEB APPLICATION FOR EXAMINATION

Publication and Year	Author name	Approach (Methodology)	Advantages	Limitations
Jaypee University of Information Technology 2023	Aditya Singh , Chandan Yadav	Purpose and Target Audience Exam Types and Technical Requirements Plan Development Platform Selection Exam Content Management	Accessibility Convenience Time-saving	Technical Issues Cheating Risk Security Concerns
		Pilot Testing Training and Support, Implementation and Monitoring Continuous improvement.	Ensures accuracy of exams Highly scalable	Access barrier with no internet Assessment authenticity

PAPER 11: REVIEW OF SUPPLY CHAIN MANAGEMENT WITHIN PROJECT MANAGEMENT

Publication and Year	Author Name	Approach (Methodology)	Advantages	Limitations
Project Leadership and Society 2021	Xinyu Wei, Victor Prybutok, Brian Sauser	It identifies key antecedents of successful SCM implementation in project-based industries.	The use of a systemigram offers a visual depiction of the complex SCM strategy adoption pathway, making it easier for stakeholders to comprehend and analyze.	Limited Scope: The research primarily focuses on SCM implementation in project-based industries, potentially overlooking insights from other sectors.
		The conceptual integration of SCM with project management is expanded by considering application areas beyond the construction industry.	Factors are categorized into distinct areas, facilitating easier analysis and interpretation of their inter-relationships.	External factors beyond the identified categories may influence SCM implementation but are not extensively explored.
		These factors are categorized into four main areas: IT integration, organizational coordination, risk management, and supply chain resilience and complexity.	The research explores application areas beyond the construction industry, increasing the relevance and applicability of findings to a wider range of project-based industries.	The selection and interpretation of literature may be subject to biases or limitations inherent in the reviewed publications, impacting the comprehensiveness of the findings.

PAPER 12: WEB PORTAL FOR EFFECTIVE STUDENT GRIEVANCE SUPPORT SYSTEM

Publication and Year	Author Name	Approach (Methodology)	Advantages	Limitations
IEEE 2020	K. Aravindhan, K. Periyakaruppan, K. Aswini, S. Vaishnavi, L. Yamini	It was designed to address grievances arising within an educational organization, particularly focusing on the student community.	Enhances the overall organizational climate by promoting open communication and feedback.	Requires effective promotion and awareness efforts to ensure students are aware of the grievance support system.
		Facilitates communication between students and the Grievance Redressal Committee.	Builds trust and rapport between students and the educational institution.	Challenges in balancing the confidentiality of complaints with the need for transparency in the resolution process.
		Provides students with a structured platform to address and resolve grievances.	Provides a centralized and accessible platform for students to lodge complaints.	Difficulty in resolving grievances that involve complex issues requiring specialized expertise.

PAPER 13: PROJECT PORTFOLIO MANAGEMENT INFORMATION SYSTEMS (PPMIS) INFORMATION ENTROPY BASED APPROACH TO PRIORITIZE PPMIS

Publication and Year	Author Name	Approach (Methodology)	Advantages	Limitations
IEEE Xplore 2016	Driss El Hannach, Rabia Marghoubi, Mohamed Dahchour	The approach utilizes an information entropy method for prioritizing PPMIS.	The information entropy method can handle imprecise data and uncertain judgments, which are common in complex decision problems like PPMIS selection.	Implementing the information entropy method requires expertise in information theory and data analysis, which may be a barrier for some organizations.
		Information entropy is a measure of uncertainty or randomness in data.	The approach enables the consideration of multiple criteria, allowing decision-makers to prioritize PPMIS based on various factors such as functionalities, features, and organizational needs.	Data requirements: The effectiveness of the method relies on the availability of reliable data for assessing PPMIS criteria.
		It helps account for imprecision and uncertainty in decision-making.	Objective assessment: By quantifying uncertainty and randomness in data, the method provides a more objective basis for decision-making, reducing the influence of subjective biases.	While suitable for PPMIS prioritization, the information entropy method may not be applicable to all decision-making contexts or industries, limiting its broader utility.

PAPER 14: EVALUATION SOFTWARE OF PROJECT MANAGEMENT BY USING MEASUREMENT OF ALTERNATIVES AND RANKING ACCORDING TO COMPROMISE SOLUTION (MARCOS) METHOD

Publication and Year	Author Name	Approach (Methodology)	Advantages	Limitations
Operational Research in Engineering Sciences Theory and Applications 2020	Adis Puška, Ilija Stojanović, Aleksandar Maksimović, Nasiha Osmanović	The MARCOS method was used to evaluate project management software.	Systematic approach: MARCOS provides a structured way to evaluate and compare project management software based on multiple criteria.	Complexity: Multicriteria analysis methods may involve complex mathematical models or decision matrices, requiring expertise for proper implementation.
		MARCOS stands for Multi-Attribute Rating Technique for Complex Decisions Using Ordered Scoring.	Comprehensive assessment: It considers various factors, allowing for a holistic evaluation rather than focusing solely on one aspect.	Subjectivity: Ratings by users may be influenced by individual preferences or biases, potentially leading to skewed results.
		It involves systematically assessing multiple criteria to make decisions.	Flexibility: Multicriteria analysis methods can be tailored to suit specific organizational requirements, allowing for flexibility in the evaluation process.	Limited scope: While MARCOS considers multiple criteria, it may not capture every aspect relevant to a specific organization's needs or preferences.

PAPER 15: AGILE VERSUS WATERFALL PROJECT MANAGEMENT: DECISION MODEL FOR SELECTING THE APPROPRIATE APPROACH TO A PROJECT

Publication and Year	Author Name	Approach (Methodology)	Advantages	Limitations
University of Applied Sciences Munster, Germany 2021	Theo Thesing, Carsten Feldmann, Martin Burchardt	The study utilizes a modeling process described by Adam (1996) to develop a decision model for selecting a procedural model for project management.	The modeling process provides a structured framework for developing the decision model, ensuring thorough consideration of relevant criteria and factors.	The decision model's applicability may be limited to the context of the study and may not fully account for cultural or organizational differences in other regions or sectors.
		It involves a systematic and comprehensive analysis of literature to identify research gaps and inform the development process.	Incorporating insights from expert interviews enhances the practical relevance and applicability of the decision model, making it more reflective of real-world project management scenarios.	The insights gained from expert interviews may be influenced by individual perspectives and biases, potentially impacting the validity and generalizability of the findings.
		Empirical data from 15 expert interviews across different industries in Germany are also used to validate and enhance the model.	The decision model considers 15 criteria subsumed under various categories, ensuring a holistic assessment of project management approaches and their suitability for specific projects.	Assessing and weighting the 15 criteria may introduce complexity and require substantial effort, potentially posing challenges for decision-makers without sufficient expertise or resources.

PAPER 16: A SYSTEMATIC REVIEW OF WEB-BASED PROJECT MANAGEMENT SYSTEMS FOR CONSTRUCTION PROJECTS

Publication and Year	Author name	Approach (Methodology)	Advantages	Limitations
INCITEST 2020	Yi Peng, Yu Liu, Yujia Zhou, and Weiguo Yan	Published within a specific timeframe, focusing on construction projects, and analyzing web-based PM systems The paper employed a structured and transparent systematic review approach, ensuring comprehensiveness and minimizing bias	Real-time Communication Channels. discussion boards facilitate smooth interaction among team members	Cloud-based systems are vulnerable to hacking, data breaches, and malware attacks
		Research highlights the need for advanced functionalities like mobile integration, BIM integration, and AI-powered analytics	Project documents, plans, reports, and drawings are readily accessible to all authorized users.	Implementing and maintaining web-based PM systems can involve ongoing subscription fees

PAPER 17: A CLOUD-BASED COLLABORATIVE PROJECT MANAGEMENT SYSTEM FOR HIGHER EDUCATION INSTITUTIONS

Publication and Year	Author name	Approach (Methodology)	Advantages	Limitations
Department of Computer science, University of Panjab Lahore 2021	Muhammad Atif Nadeem, Muhammad Faizan Khan, Muhammad Aamir Cheema	Features like online forums, chat rooms, and integrated video conferencing to facilitate efficient communication limited communication, inefficient document sharing, and difficulty tracking progress.	Provides a single platform for all project interactions, eliminating communication silos	Integrating the system with existing institutional platforms might require technical expertise
		Tools to track project tasks, deadlines, dependencies, and budgets, along with real-time dashboards	Real-time dashboards and reports provide clear insights into project progress	Requires significant time commitment for instructors to prepare prerecorded lectures and supplementary materials.

PAPER 18 :DATA-DRIVEN PROJECT MANAGEMENT: A LITERATURE REVIEW

Publication and Year	Author name	Approach (Methodology)	Advantages	Limitations
Apress 2022	Amirhossein Oskouei, Seyed Mohammad Javad Mirabi, Amir Hossein Ghazanfari, and Saeed Paydarfar	Authors would search relevant databases with targeted keywords based on their research question. Cost data, schedule data, risk data, earned value management metrics, and team performance data	Identifying potential risks early through data analysis allows for timely mitigation and risk management strategies.	Difficulty accessing relevant data from silos or incompatible formats can hinder comprehensive analysis.
		Early identification and mitigation of potential risks through predictive analytics.	Project teams become more accountable for performance based on data-driven metrics and reporting.	Poor data quality leads to misleading insights and ineffective decisions

PAPER 19 :DESIGN AND IMPLEMENTATION OF A WEB-BASED MANAGEMENT SYSTEM FOR ADVANCED TECHNOLOGICAL INSTITUTE (ATI)

Publication and Year	Author name	Approach (Methodology)	Advantages	Limitations
International Journal of Scientific and Research Publications 2021	D.N.P Attanayake, R.G.S. Thilanka	RAD is chosen as the methodology due to its emphasis on rapid prototyping and iterative development, suitable for projects with strict deadlines	Automates various institute operations related to students, academics, and non-academic staff	Access to personal devices might be necessary for some students.
		RAD's flexibility enables adaptation to changes in requirements, minimizing risks associated with extensive pre-planning.	Enables communication between parents, lecturers, and students through various channels like SMS and online messages	Overreliance on automated tools can hinder critical thinking and problem-solving skills

PAPER 20 :WEB-BASED STUDENT INFORMATION MANAGEMENT SYSTEM

Publication and Year	Author name	Approach (Methodology)	Advantages	Limitations
JETIR 2020	Mr.Ritesh Ramchandra Landage, Ms.Pranjal Navnath Daphal, Mr.Gaurav Madhukar Dafal, Mr.Abhishek Balasaheb Daphal, Dr.Aniruddha S. Rumale	Methods for storing, organizing, and securing student data like demographics, academic records, attendance, and fees.	Students, parents, and authorized personnel can access information from anywhere and gets timely updates	Some systems may have limited functionality without an internet connection, impacting usability in areas with unreliable internet access.
		Features for authorized users to access and retrieve student information efficiently.	System backups and disaster recovery plans ensure data security and minimize disruptions.	Technology Dependence and Accessibility, Digital literacy gap, Reliable internet access

METHODOLOGY

1. PROJECT CREATION AND MANAGEMENT:

Faculty:

- Can create new tasks by specifying details like title, description, objectives, deadlines, and required resources.
- Can upload relevant project materials like documents, presentations, or media files
- Integrating a shared calendar system can help teams schedule meetings, deadlines, and project milestones effectively.
- Accept, Reject or give Suggestions to work

Students:

- Can browse available project references and can get information based on their interest.
- Can access project details, materials, and communication channels once assigned to a project

2. TEAM FORMATION AND COMMUNICATION:

Automatic or Manual Team Formation:

- Faculty can manually select students for specific projects.
- Also Student can make their own group and can enroll within the website and faculty can choose them based on their project title
- The system can automatically assign students to projects if not enrolled in time or not in any project group.

Team Communication Tools:

- The platform will offer built-in communication functionalities like chat, discussion forums, or video conferencing tools to facilitate collaboration and communication within teams.
- Features like file sharing, task assignment, and progress tracking can further streamline the collaboration process.

3. PROJECT WORK AND PROGRESS TRACKING:

Collaborative Workspace:

- The website can provide a dedicated workspace for each project, allowing team members to work on documents, multimedia content, or project resources in a collaborative manner.
- Version control features can prevent conflicts and track changes made by different team members.

Progress Tracking and Reporting:

- Students can update their individual tasks within the project, and the system can aggregate progress across the team.
- Faculty can track the overall project progress and provide feedback to individuals or teams.
- Students can submit project deliverables through the platform, maintaining a clear record of their contributions.

4. ASSESSMENT AND FEEDBACK:

Peer Evaluation:

- The platform can facilitate peer evaluation by allowing team members to anonymously or openly assess each other's contributions and teamwork skills.
- This can help faculty gain insights into individual participation and provide well-rounded feedback.

Faculty Feedback:

- Faculty can provide feedback on individual or team performance through the platform, using rubrics, annotations, or personalized comments.
- The website can facilitate communication regarding feedback and ensure students receive timely and clear guidance.

PROBLEM TO TACKLE

PROBLEM TO TACKLE

For Students :

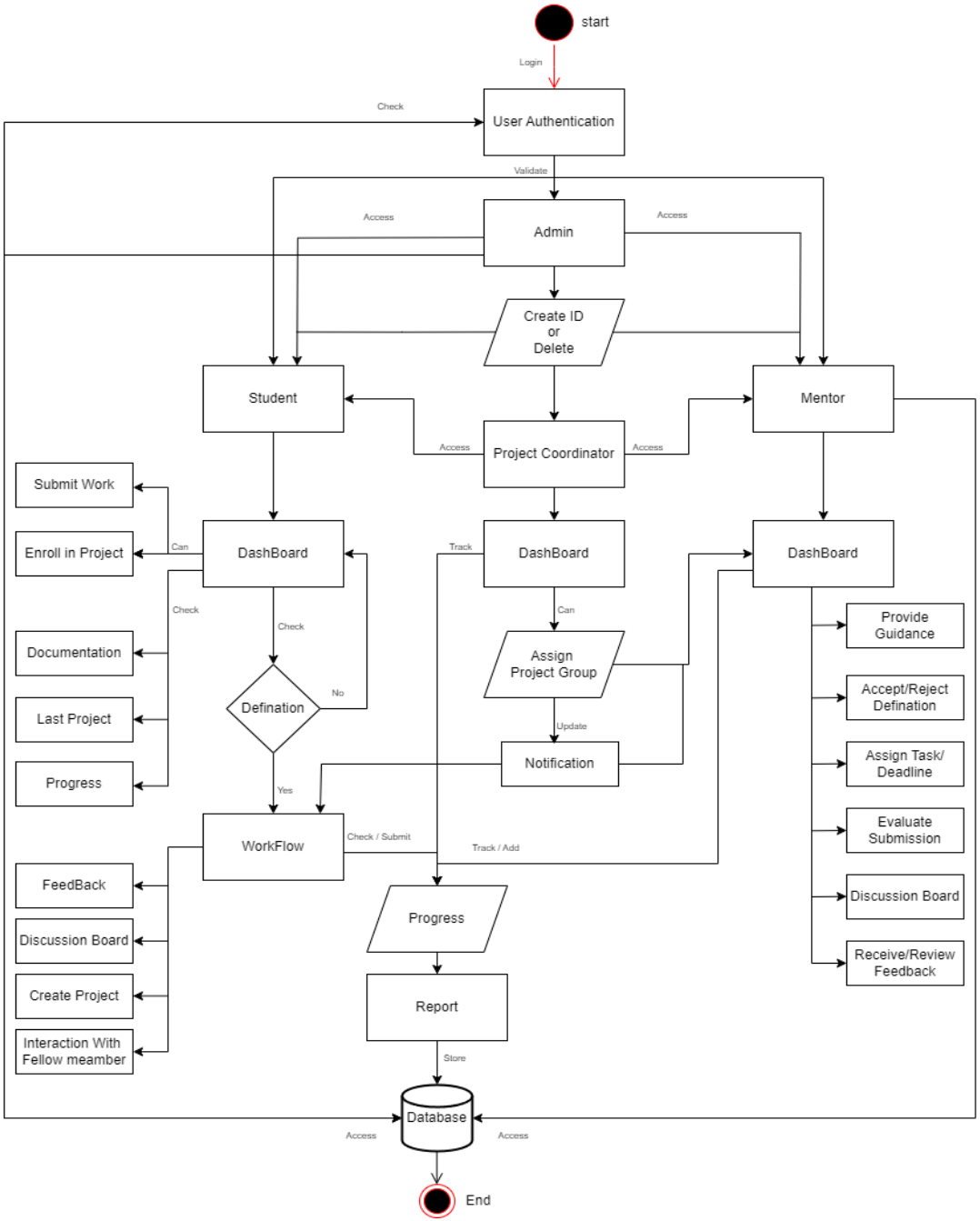
- Inefficient feedback loops, Limited visibility into progress, Struggles due to lack of immediate support due to busy schedules of mentor.
- Development of project management skills, Real-time progress tracking, Enhanced teamwork.

For Faculty :

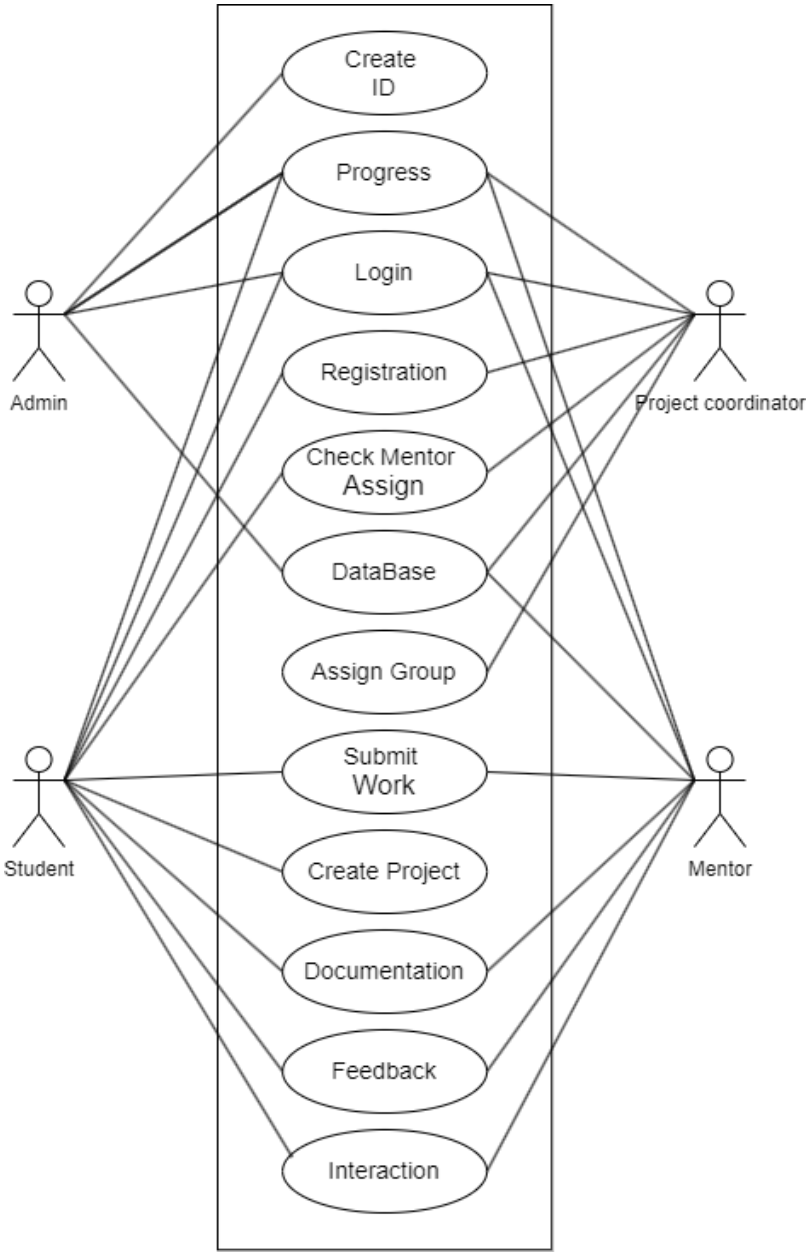
- Time-consuming tasks like scheduling, collecting submissions, and tracking progress.
- Difficulty offering timely and specific feedback for individual needs.
- Difficulties in managing time, communication, collaboration, and assessment.

PROPOSED WORKFLOW

Flow Chart Diagram



Use Case Diagram



CONCLUSION

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- Our project, “Project Pulse” will significantly reduce the workload of both faculties/mentors/guides as well as students working within. The platform enables efficient task management, progress tracking, and timely feedback, enhancing student focus and project outcomes. With features like scheduled announcements, online submission, and real-time mentor support, "Project Pulse" aims to optimize project workflow and success rates.

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THANK YOU...