

**Paper No.1: A Systematic Review of Web-Based Project Management Systems for Construction Projects**

Publication and Year	Author	Approach (Methodology)	Advantages	Limitations
2020	Yi Peng, Yu Liu, Yujia Zhou, and Weiguo Yan	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
		published within a specific timeframe, focusing on construction projects, and analyzing web-based PM systems	Project documents, plans, reports, and drawings are readily accessible to all authorized users.	Mastering a new system with complex features requires user-friendly interfaces
		Research highlights the need for advanced functionalities like mobile integration, BIM integration, and AI-powered analytics	Improve visibility into project progress, task dependencies, and individual responsibilities.	Implementing and maintaining web-based PM systems can involve ongoing subscription fees

**Paper No.2: A Cloud-Based Collaborative Project Management System for Higher Education Institutions**

Publication and Year	Author	Approach (Methodology)	Advantages	Limitations
2021	Muhammad Atif Nadeem, Muhammad Faizan Khan, Muhammad Aamir Cheema	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
		Features like online forums, chat rooms, and integrated video conferencing to facilitate efficient communication	Efficient task allocation, deadline reminders, optimize project workflows	Requires significant time commitment for instructors to prepare prerecorded lectures and supplementary materials.
		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	Integrating the system with existing institutional platforms might require technical expertise

**Paper No.3: Data-Driven Project Management: A Literature Review**

Publication and Year	Author	Approach (Methodology)	Advantages	Limitations
2022	Amirhossein Oskoueï, Seyed Mohammad Javad Mirabi, Amir Hossein Ghazanfari, and Saeed Paydarfar	Authors would search relevant databases with targeted keywords based on their research question.	Data-driven approaches minimize the influence of personal biases and subjective judgments.	Poor data quality leads to misleading insights and ineffective decisions
		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.	Integrating data from various sources and systems can be complex and require technical expertise.

**Paper No.4: Design and Implementation of a Web-Based Management System for Advanced Technological Institute (ATI)**

Publication and Year	Author	Approach (Methodology)	Advantages	Limitations
January 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

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**Paper No.5:** Web-Based Student Information Management System

Publication and Year	Author	Approach (Methodology)	Advantages	Limitations
March 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	Technology Dependence and Accessibility, Digital literacy gap, Reliable internet access
		Secure access to academic information, real-time updates, and improved communication with the institution.	Online communication channels facilitate interaction between students, faculty, and administrators.	Choosing a specific vendor can limit future flexibility and potentially raise costs.
		Features for authorized users to access and retrieve student information efficiently.	System backups and disaster recovery plans ensure data security and minimize disruptions.	Some systems may have limited functionality without an internet connection, impacting usability in areas with unreliable internet access.