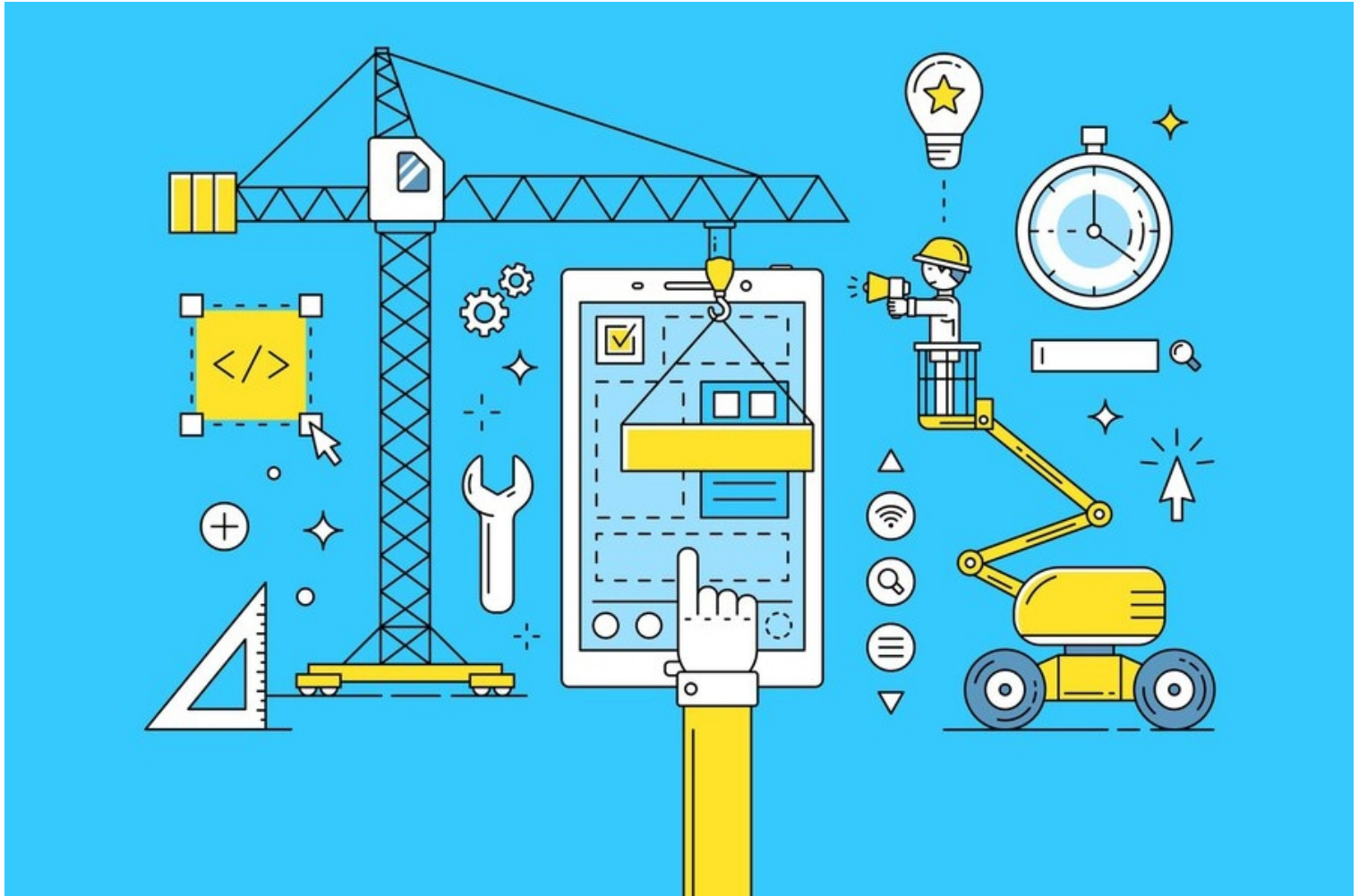


Enhancing DPR, Checklists, and RERA Compliance in Building Construction to improve project oversight



Introduction:

An introduction to the challenges that building construction projects face when managing Daily Progress Reports (DPRs), checklists, and complying with Real Estate Regulatory Authority (RERA) regulations..

Objective: To explore how the implementation of technology solutions can streamline DPR tracking, checklist management, and ensure compliance with RERA guidelines.



Problem Statement:

The process of capturing and tracking daily progress in building construction projects is often difficult due to manual processes, which can result in delays, inaccuracies, and inefficiencies in project monitoring.

Completing RERA regulations requires additional challenges, such as meticulous documentation, reporting, and compliance verification throughout the project lifecycle.

The checklists used for quality control, handing over checklists are typically paper-based, prone to errors, and do not provide real-time visibility and accountability.



Methodology:

Agile methodology is used by conducting calls and interviews with project managers and site supervisors to identify pain points and challenges related to DPR, checklists, and RERA compliance on a weekly basis.

Examined the current documentation practices, software tools, and regulatory frameworks for building construction projects.

Reviewed case studies and industry best practices to identify effective strategies for improving project oversight and compliance management.



Findings:

Manual DPR processes cause data capture to be delayed, reporting formats to be inconsistent, and stakeholders to have limited visibility into project progress.

Paper-based checklists contribute to oversight gaps, compliance issues, as updates and verifications are not promptly recorded or communicated.

RERA compliance requirements, including project registration, periodic reporting, and disclosure of project details, pose administrative burdens and potential legal risks for construction firms.



Discussion:

The findings highlight the critical need for digital solutions to streamline DPR tracking, checklist management, and ensure seamless compliance with RERA regulations.

Integrated construction management platforms offer features such as DPR generation, customizable checklist templates, and RERA compliance modules to address these challenges.

By embracing technology-driven solutions, construction companies can enhance transparency, accountability, and regulatory compliance across building projects, mitigating risks and improving project outcomes.



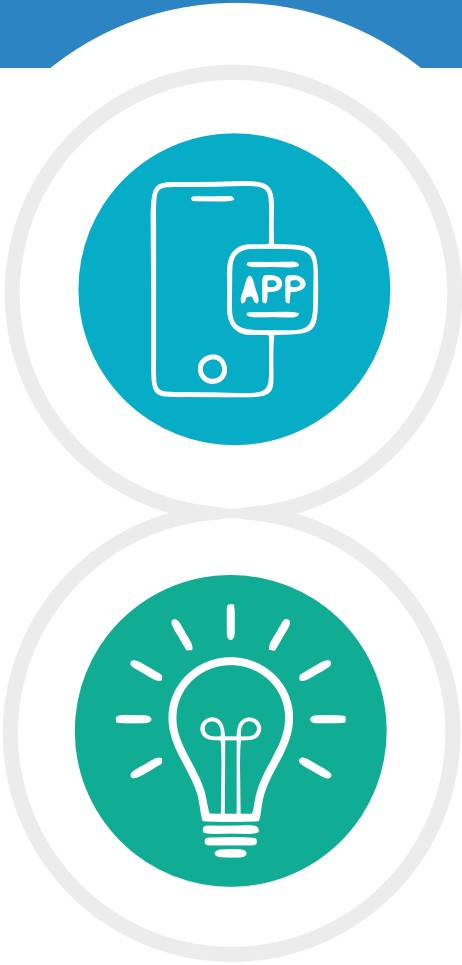
Solutions or Recommendations:

Implementation of a cloud-based construction management software platform with dedicated modules for DPR tracking, checklist management, and RERA.

Customization of software features to align with project-specific requirements, regulatory obligations, and stakeholder preferences.

Training programs and user support to ensure effective utilization of the software by project teams, users, and other stakeholders.

Regular audits and reviews to monitor the effectiveness of the software in improving project oversight, compliance, and performance.



Mobile Application For Onsite Users:

The Ibuilder mobile application shall provide the multiple role.i.e. Doer(Update the daily work report).

Doer create and fill the DPR: In DPR there have multiple record to update i.e.

Manpower Record : add manpower, add contractors,add the No.Of Skilled/UnSkilled workers.etc.

Material Record : Update the received and material consumption. I.e. material type, unit, opening balance, closing balance etc.

Activity Record: Update the progress of working activity and sub-activity.

Remarks and photos: after filling all DPR details doer can upload the live photo and remarks.

Doer create and fill the quality checklist: After providing a flat, floor, activity, sub-activity system can generate the checklist. Doer fill the checklist point, checklist photos and remarks.

Handing over checklist: Doer can simply select room type and defect activity to create a checklist and fill all defect items and upload live photos and remarks.

Doer RERA: after open project showing the RERA stages doer select Rera stage and upload live photo and remarks.

Checker(Check the daily work report updated from doer). The checkers can check the records uploaded by doer and remarks to approve or reject.

Viewer or Director(View the all report and recheck). The viewer can view/check the records approved by the checker.

Revoker (Project Incharge) (Revoker can revoke the daily report if getting issues).

The revoker can check the records approved by the checker if any issue is found then reject the checklist. Rejected checklist opens to the checker.

The application is available on play store.

The android application supports 6.0(APIs level 23) and above versions.

Application can take live photos with geo locations.

Conclusion:

Embracing digital solutions for DPR tracking, checklist management, and RERA compliance is essential for enhancing project oversight and ensuring regulatory compliance in building construction projects.

By leveraging technology-driven tools and best practices, construction companies can streamline processes, mitigate risks, and deliver successful projects that meet regulatory requirements and stakeholder expectations.

8. References: (Existing ERP's)