1. Timely Delivery: Crucial for maintaining client trust, staying within budget, and avoiding scope creep. Project managers can ensure deadlines are met by using clear milestones, risk management, and agile methodologies.
2. Cost Control: Keeps the project financially viable. Strategies include accurate budgeting, regular cost tracking, contingency planning, and prioritizing essential features.
3. Agile vs. Waterfall:
4. Agile: Flexible, iterative, fast feedback loops. Best for evolving projects (e.g., SaaS).
5. Waterfall: Structured, sequential, predictable. Best for fixed-scope projects (e.g., medical software).
6. Project Fit:
7. Agile: Startups, app development, AI/ML projects. Example: A mobile app with evolving user needs.
8. Waterfall: Government contracts, construction software. Example: A regulatory compliance system.
9. Quality Assurance: Includes automated testing, peer reviews, CI/CD pipelines, and user testing. High standards prevent costly rework and ensure reliability.
10. Project Scope & WBS: Scope defines boundaries to avoid scope creep. WBS (Work Breakdown Structure) divides the project into manageable tasks, aiding in planning and accountability.
11. Project Scheduling & Gantt Charts: Helps visualize task dependencies, deadlines, and progress, ensuring efficient time management.
12. Core Issues Addressed: Identifying pain points ensures your software provides a meaningful and relevant solution to users.
13. Defining the Problem: Leads to better requirement gathering, avoiding unnecessary features and ensuring the solution aligns with user needs.
14. Software Solution Overview: A clear, non-technical description (e.g., "A cloud-based tool that simplifies project tracking for remote teams").
15. Key Features: Unique functionalities that differentiate your software (e.g., AI-powered analytics, real-time collaboration).
16. Market Data: Research on industry growth, competitors, and demand to validate market potential.
17. Market Trends: Helps in feature prioritization, pricing strategy, and long-term scalability.