

P. Rajya Lakshmi Hyderabad, India Email: raji.pechetti5@gmail.com Phone: [8106625094](tel:8106625094)

Professional Summary : Results-driven professional with 7 years of experience in the construction industry, including 4 years as a Construction Analyst and 3 years as an Associate Business Analyst. Holds a strong technical background with a B.Tech in Civil Engineering and an M.Tech in Quantity Surveying and Contract Management from NICMAR. Skilled in project analysis, cost estimation, business process optimization, and data-driven decision-making. Currently seeking a Business Analyst role to contribute analytical expertise and domain knowledge to strategic project outcomes.

Education :

M.Tech – Quantity Surveying and Contract Management, NICMAR, Hyderabad B.Tech – Civil Engineering, JNTUK

Experience :

Associate Business Analyst

Sujana Constructions, Hyderabad Jan, 2022– Present

Worked as a Associate Business Analyst for the implementation of a Construction Project Information Management System (CPIMS) for a private infrastructure firm. Responsible for requirement gathering, process mapping, FRD documentation, and coordination with IT and field teams. Improved real-time visibility of project costs and timelines, reducing reporting delays by 50% and supporting data-driven decisions for 10+ projects. **Construction**

Analyst Maruthi Constructions, Rajahmundry April, 2018– June, 2021 Conducted project cost estimations, budgeting, and contract analysis for infrastructure projects. Provided insights on schedule performance and variance analysis to project management teams. Enhanced project tracking through improved reporting templates and data dashboards.

Core Skills:Business Process Analysis Requirements Gathering & Documentation Cost

Estimation & Quantity Surveying ,MS Excel, Power BI, and ERP Tools Project Planning & Monitoring Stakeholder Communication

Project Experience :

Project Title:

Implementation of a Construction Project Information Management System (CPIMS) for a Private Infrastructure Developer.

Domain:

Infrastructure (Private Construction / EPC Sector)

Project Objective:

To design and implement a centralized digital platform to monitor project progress, cost utilization, procurement, and on-site productivity across multiple infrastructure projects (roads, metro, and commercial complexes).

The goal was to enhance coordination between Head Office, Site Teams, Vendors, and Clients, and to reduce reporting delays.

Key Stakeholders:

- Project Director (Client Representative)
- Site Engineers and Project Managers
- Procurement and Finance Teams
- Vendor and Subcontractor Representatives
- IT Development Team (Developers, DBAs, Testers)
- Business Analyst (You)

Associate BA Responsibilities:

1. Requirement Elicitation

- Conducted workshops with Project Managers and Procurement Heads to identify data flow gaps between sites and head office.
- Captured key needs such as real-time material tracking, project milestone updates, and budget utilization reports.

Process Analysis & Documentation

- Prepared As-Is and To-Be process maps for project reporting, billing approvals, and procurement.
- Noted delays due to manual Excel updates and fragmented communication between finance and site teams.
- Proposed a streamlined workflow using a centralized portal accessible to all stakeholders.

Functional Requirement Document (FRD)

- Documented detailed requirements for:
 - Project Dashboard: Daily work progress, cost utilization, and milestone tracking.
 - Procurement Module: Material requisition, purchase order, and goods receipt tracking.
 - Vendor Portal: For uploading invoices and checking payment status.
 - Budget Control: Automated variance reports and alert notifications for overruns.

Use Cases and System Design Coordination

- Created Use Case Diagrams, Activity Diagrams, and User Stories.

- Defined role-based access: Project Head, Site Engineer, Procurement Officer, Vendor, and Auditor.
- Coordinated with Java and SQL developers for UI mockups and data mapping.

UAT and Go-Live Support

- Led User Acceptance Testing with 3 pilot project sites.
- Collected feedback and coordinated with developers to refine dashboards.
- Prepared training manuals and conducted training sessions for 40+ field engineers.

Reporting & BI Integration

- Collaborated with BI team to integrate Power BI dashboards for executive management.
- Key KPIs included:
 - Project Progress %
 - Material Cost Variance
 - Delay Index
 - Vendor Payment Cycle Time

Outcome / Impact:

- Reduced manual reporting time by 50% across project sites.
- Improved cost monitoring and vendor transparency.
- Enabled management to track 30+ ongoing projects in real-time.
- Helped identify recurring procurement delays, saving approx. ₹1.2 Cr annually.

Tools & Technologies Used:

- Tools: JIRA, MS Visio, Power BI, MS Project

- Backend: SQL Server
- Frontend: Web Portal + Mobile App (React-based UI)
- Reporting: Power BI and Excel Integration