



Nirmana 2.0, UDD Karnataka

Directorate of Town and Country Planning (DTCP)
Government of Karnataka

Online system for verification of building code and land regulations for issuance of building permits and land approvals.

Services supported

FOR BUILDINGS

- Building Permit
- Commencement Certificate
- Occupancy Certificate
- Addition and Alteration
- Compound Wall Construction

FOR LAND

- Change of Land Use
- Layout Approval
- Development Plan
- Amalgamation of Plots
- Bifurcation of Plot

Usage

IN USE SINCE

- 01 January 2018

USER GROUPS

- 315 Urban Local Bodies
- 160 Planning Authorities
- 8000+ Architects
- > 1.6 Lakh Citizens

PROCESSING

- 1.8 Lakh + Applications
- 1.2 Lakh + Permit Certificates
- Rs. 390 Crores + fees received

PROJECT HIGHLIGHTS

Organization

- Directorate of Town and Country Planning, representing 315+ ULBs and 160+ UDAs across the state
- Oversees the policy and implementation of development plans and regulations for land and buildings in the state
- Regulates layout and township development

Challenges

- Reduce time period for issuance of building permits
- Automate the manual and subjective activity of building code verification
- Establish clear SLAs to citizens
- Huge paper document repository
- Multiple offices spread across the region
- Manual, people dependent processes

Solution

- Fully web based solution
- Building Code verification done through direct reading of building parameters from CAD file
- Workflow, Document Management and Digital Sign based Approval

Technology Stack

- Microsoft technology components
- MS SQL as RDBMS
- Dot Net web platform
- AutoCAD
- Infragistics Dashboard Tool
- Microsoft reporting tools
- Hosted in state data center (govt. cloud)

Objectives

- Create and manage automated building permit and land approval system that delivers faster services for citizens and businesses
- To assure predictable and timely service delivery to applicants
- Improve the ease of doing business ranking of the state

Methodology

- Business Process Analysis
- Deployment of Core product
- Development of specific requirements
- Solution configuration
- User Training
- Master Data Migration
- Transaction Data Entry
- Go Live!

Why SRIT

- Only solution to address the specific set of requirements
- Long domain experience in automated building code verification
- Product Developer for govt agencies in urban space
- Local office & team presence
- Local language based support

Value to Client

- Reduce process cycle time by more than 60%
- Reduce manual induced errors to near zero levels
- Eliminates tons of paper based applications and official documents
- 100% transparency of operations and decisions
- Online Payment and Digitally signed Certificate
- Supervisory effort reduced by 80%