



Approve building plans in a smarter way...

AutoDCR®

The technology to deliver on the plan for smart cities

Proven e-Governance solution for single window clearances



Approve building plans in a smarter way...

▶ KEY ISSUES AND CHALLENGES IN BUILDING PLAN APPROVAL

Building plans in any have to essentially comply with the corresponding Development Control (DC) Rules and building bye laws. Due to the complexity of these rules and the involvement of various stakeholders in their scrutiny and approval, the process poses several challenges:

Complex rules and bye laws

Complex nature of Building Regulation/Codes and bye laws interrelated to each other can induce lack of consistency in interpretation of the Codes. This can in turn impact the approval process adversely.

Lack of visibility

The involvement of multiple stakeholders complicates the status tracking thus limiting the visibility of the approval progress to the authorities and citizens.

Increased chances of human errors

Today most of the building plan application and drawing blueprints are submitted manually in paper format. This coupled with manual scrutiny of application, makes the process prone to human errors.

Inadequate citizen interface

There is no SPOC (single point of contact) for the citizens to avail the building plan approval. Citizens need to visit multiple departments (for e.g. NOCs from various departments) and multiple personnel for various issues, submission and status tracking, and follow up. This increases the time for each activity and can lead to stakeholder dissatisfaction.

▶ AUTODCR[®] - KEY FEATURES

Auto Scanning

- Automatically reads and Identifies building plan and layout objects from the drawing
- Map the objects in the drawing to Building Codes
- Verified Building Codes to find variance

Rule Database

- Software maintains a DC rule database which can be viewed or edited
- The rules are in electronic format to enable quick search for any item

Tables in drawing

- Automatically inserts table in the drawing
- FSI/FAR tables
- Area statement tables
- Door window schedules

Automated workflow and alerts

- Approval process can be mapped dynamically using rule based templates
- Scrutiny of documents are classified as ownership, NOC and affidavits, Online Payment facility.
- Email or SMS based alerts and notifications
- Mobile app to capture information at site
- Digitally Signed approval letter and drawings
- Integration with GIS

Dynamic Reports

- Reports are customized and produced in regional language
- Failed item reports are generated
- Plot area reports are available
- Detailed report along with associated rules are offered
- MIS reports

Integrated Help

- Self explanatory help is provided at all stages in a context-sensitive manner.
- Extensively indexed search capabilities

Customization & Configuration

- Customization and configuration can be done as per specification of corporation.

Auto zooming facility

- Clear view easy analysis of the failed objects in the list starting the reason of failure

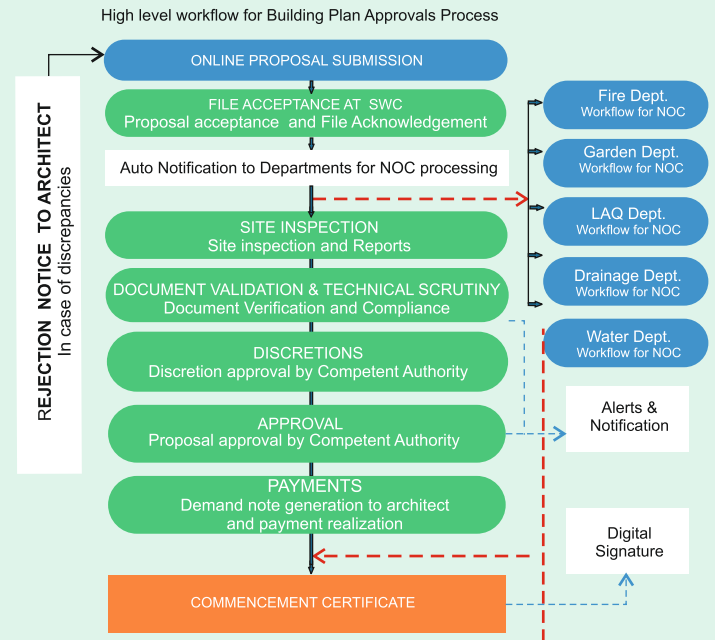
SIGNIFICANT REDUCTION IN APPROVAL DELAYS AND INCREASED TRANSPARENCY

Auto DCR[®] - a unique automated building plan scrutiny and approval solution

AutoDCR[®] is a unique and innovative solution for automation of building plan approval that reads CAD drawings and maps them to the Building Codes, for approval by Municipal Corporation and approving authorities.

It is seamlessly integrated to an online approval workflow to monitor the approval process with associated document scrutiny. SMS and Personal Digital Assistants are used for creating alerts and notifications.

AutoDCR[®] acts as a single platform for the citizens and authorities. It helps to improve efficiency and effectiveness in the collaboration between local government, registered architects, citizen and other stakeholders. More than 500 municipal corporation and urban development authorities have been able to transform their building plan scrutiny and approval process by implementing AutoDCR[®].



INNOVATIVE SOLUTION THAT ENABLES TRANSPARENCY AND SPEED TO BUILDING PLAN APPROVAL PROCESS

Uniformity	Acceleration	Innovation	Integration	Accountability	Transparency
The approval is based on uniform interpretation of bye laws through the system.	Accelerates scrutiny process by eliminating lengthy and cumbersome computations.	Transformation of scrutiny and approval of plans through CDA and workflow technology brings in innovation in the process.	All stakeholders concerned in the approval process are brought together on a single platform	Authorized roles and responsibilities are mapped and MIS reports are generated to help track process efficiency.	Subjectivity in the plan approval process is totally eliminated and clear reasons are stated for approval or rejections.

AWARDS AND ACCOLADES



AUTODCR Conferred with MANTHAN SOUTH ASIA AWARD 2010 For e-Governance



Adjudged among "Top 50 Emerging Software Product Companies in India" By NASSCOM in 2014



"National Award for Innovative use of technology in e-Governance 2014"



SME Achievers Award for Year 2015-16 by SME 100 FORUM, Supported by Ministry of MSME, Govt. of India



AIMA Award for "Creativity & Innovation in Micro, Small & Medium Enterprises-2016"



MCCI (A) bestowed SoftTech's with "Innovations & Entrepreneurship Award"

▶ Customer Speak



Pune Municipal Corporation

“ Implementation of AutoDCR[®] has brought a great deal of transparency and uniformity. Architects and Developers are able to understand why a particular decision of acceptance or rejection of proposal is taken by the corporation. Pune Municipal Corporation is first in the country to make it possible. ”

Commissioner
Pune Municipal Corporation



Coimbatore City Municipal Corporation.

“ Coimbatore City Municipal Corporation has been using AutoDCR[®] software developed by SoftTech Engineering Private Limited for entire Building Plan Approval activity. This software is in operation since 2008 and from January 2010 to December 2010, 4000 files have been processed through this software.

Today CCMC has been able to bring down the time taken for approval less than 7 day. ”

Commissioner
Coimbatore City Municipal Corporation

▶ Some Key Customers



Pune Municipal Corporation



Kalyan Dombivli Municipal Corporation



Corporation of Chennai



Pimpri Chinchwad Municipal Corporation



Hubli Dharwad Municipal Corporation



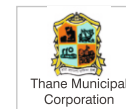
Jaipur Development Authority



Coimbatore City Municipal Corporation



Maharashtra Industrial Dev. Corporation



Thane Municipal Corporation



Chennai Metropolitan Development Authority



Gujarat International Finance Tec-City



Amaravati Development Corporation



Thiruvanthapuram Municipal Corporation, Kerala



Nagpur Municipal Corporation



Bhubaneswar Development Authority



Aurangabad Municipal Corporation



Kolhapur Municipal Corporation



Mira Bhayandar Municipal Corporation

Note: All logos depicted above belong to the respective corporations

▶ About SoftTech

Headquartered in Pune, India, SoftTech Engineers Ltd, is a leading software product with focus on the Architecture-Engineering-Construction (AEC) vertical. It is certified to 2015 standards.

Since its inception in 1996, SoftTech has put forth an impressive array of innovation software products in architecture, engineering and construction enable government as well as private enterprises. They help these organization to plan, approve, procure, manage and maintain a range of infrastructure assets. Our solution for the government have enabled effective e-governance for urban local bodies, development authorities and work organization for which it has won several awards & recognitions.

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