



plans in smarter way... Approve building plans in a smarter way...

CREDAI MCHI is happy to announce the establishment of AutoDCR Centre of Excellence cell at MCHI office premises with a team of trained & experienced personnel and are now fully geared up and ready to offer various services. The Objective of this cell is to provide all perceived help and support services with respect to AutoDCR within the MMR region to various stakeholders for online building approval. The cell shall also be coordinating with various Municipal Council's and MIDC for product enhancement and betterment. The AutoDCR cell is happy to help and assist you in all your AutoDCR and Building Plan Approval requirements.

Product Developed By:



## KEY ISSUES AND CHALLENGES IN BUILDING PLAN APPROVAL

Building plans in any city 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 DC rules and bye laws interrelated to each other can induce lack of consistency in interpretation of the bye laws. 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

Currently most of the building plan applications and drawing blue prints 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® has been selected as the most essential and effective tool for implementing best practices in Building Plan Approval Process by JNNURM under The Ministry of Urban Development, Govt. of India.**

Source: Best Practices in e-Governance Ministry of Urban Development ([http://jnnurm.nic.in/wp-content/uploads/2011/01/BP\\_BPA2.pdf](http://jnnurm.nic.in/wp-content/uploads/2011/01/BP_BPA2.pdf))

## AUTODCR®- KEY FEATURES

### Auto Scanning

- Automatically reads and identifies building plan and layout objects from the drawing
- Map the objects in the drawing development control rule
- Verified DC rules 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 tables in the drawing
- FSI table
- Are 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
- Email or SMS based alerts and notifications
- Mobile App integrated to capture information at site including geo-tagged site photographs

### 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



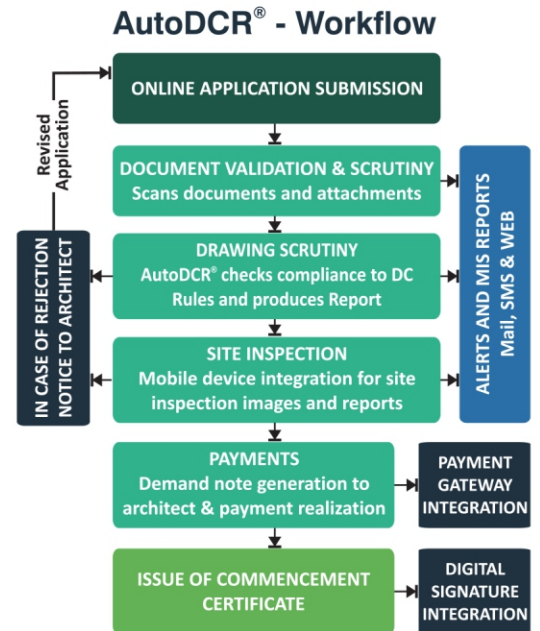
## Significant reduction in approval delays and increased transparency

### AutoDCR - 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 development control regulation, 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 improve efficiency and effectiveness in the collaboration between local government, registered architects, citizen and other stakeholders. More than 250 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

### AutoDCR® BENEFITS

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 CAD 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



Identified as best practice for building plan approval

World leadership Award 2007 for Civil & Architectural Engineering for Building Plan & Approval

Manthan Award South Asia 2010 for e-governance in "Digital inclusion for development"

Good Governance Award 2010 for National Technology Leadership

e-Maharashtra 2012 Award Best Urban ICT Initiative

AutoDCR has been awarded MCCA Innovation and Entrepreneurship Awards 2013

AutoDCR receives the National award for e-governance in the category of Innovative use of technology in e-governance, 2014.

## Authorities using AutoDCR in MMR



Note: All logos depicted above belong to the respective corporations

## About CREDAI-MCHI

The Maharashtra Chamber of Housing Industry (CREDAI - MCHI), formed in 1982, is the most prominent and the only recognized body of Real Estate Developers in Mumbai and MMR.

CREDAI - MCHI brings together members dealing in Real Estate Development on one common platform to address various issues facing the Industry. Members of CREDAI - MCHI account for 80% of the organized Development of new residential and commercial properties in Mumbai and MMR. CREDAI - MCHI is recognized by Government of Maharashtra and the Central Government and helps in meeting their objectives of providing housing, which is a basic necessity.

## About SoftTech

Headquartered in Pune, India, SoftTech Engineers Pvt, Ltd, is a leading software product with focus on the Architecture-Engineering-Construction (AEC) vertical. It is certified to ISO 9001:2008 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.

**CREDAI-MCHI**

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