



The Construction Industry is  
Ripe for Disruption

DIGITAL  
CONSTRUCTION  
MANAGEMENT

**Online Certificate Program in  
Digital Construction Management**

For All Construction Industry  
Professionals and Students

# About DCM

Construction Industry Development Council (CIDC), New Delhi & Magna HiOps Intelligent Systems has developed and launched an Online Certificate Course in “Digital Construction Management”. This is first ever course designed for Construction Industry that inculcates latest technologies e.g. Artificial Intelligence, robotics, drones, blockchain, smart buildings, modelling software, sensors, wireless devices, latest equipment etc. that will empower & prepare the students to learn and apply technologies in Construction Industry ecosystem.



The world is changing fast, people and businesses are getting digital and technology driven. Construction Industry too is adopting latest Digital technologies - Augmented Reality, Drones, 3D Printing, Building Information Modelling (BIM), 5D BIM, Artificial Intelligence, Block-chain, Project Softwares, Advanced Building Materials etc. For professional survival, knowledge of these digital technologies are essential.

Artificial  
Intelligence

Robotics

Drones

Blockchain

Smart  
Buildings

Modelling  
Software

This is a 12 Week Course having of 12 study modules, with one module per week; and one examination at the end of the Course. On successful completion of Course, CIDC will issue the certificate for successful completion of “Digital Construction Management”.

Each module of the course has Interactive videos, study materials and case studies along with quizzes. The contents of the modules are so designed that it will take nearly 1 week to study comfortably and understand.

After completion of the 12th week, an online objective examination will be conducted. And based on performance in examination, an online certificate will be issued by CIDC to all successful candidates.

### Module -1

Digital Revolution 4.0  
Technologies applicable in  
construction industry

### Module -2

Latest planning software  
Prominent Design software  
LiDAR in construction industry

### Module -3

3 D printing technology in  
construction industry  
Futuristic construction  
materials

### Module -4

Latest PMIS technologies  
Drones in construction  
IOT in construction industry

### Module -5

Use of GIS in construction  
Remote sensing technology  
Advance GPS software

### Module -6

Building Information Modelling  
3D, 4D, 5D BIM  
iBIM and Digital Twin

### Module -7

Augmented reality  
virtual reality  
Simulation technology  
Digital Modelling

### Module -8

What is Artificial Intelligence  
What is Deep learning  
& Machine learning

### Module -9

What is Blockchain  
Use of Blockchain  
Funding strategies of Infra  
Infrastructure Bonds

### Module -10

Asset management  
IOT Sensor in  
Operation & maintenance

### Module -11

Contract Management  
PPP contracts  
FIDIC

### Module -12

RERA 2016  
Small cities and Urbanization  
Building smart communities



# Testimonials

Online Digital Construction Management Course is extremely useful course for the the Engineers. It taught me use of Artificial Intelligence in a very simple language.

***Rajat Roy***

Amazing!! After doing few modules only my confidence is very high. I am getting many job offers.

***Rani Saikia***

Excellent content and assignments that build on your knowledge, reinforce, and then expand. I recently secured new employment using DCM course. Thanks!

***Kunal Singh***

Very well organized and designed course. By following the DCM course, I was able to learn and build on the concepts with minimal questions or frustration. It taught me what I was looking to learn, was well organized, and well paced.

***Arjun Abrol***



***Construction Industry Development  
Council (CIDC)***

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