



CIDC



CIDC CERTIFICATE PROGRAM IN CONSTRUCTION MANAGEMENT

CIDC CERTIFICATE IN

■ GENERAL CONSTRUCTION MANAGEMENT

■ BUILDING CONSTRUCTION MANAGEMENT

■ ROADS AND HIGHWAY MANAGEMENT

■ UNDERGROUND CONSTRUCTION MANAGEMENT



Programme Overview:

The recent global pandemic has taught the world many lessons primarily to live under limitations. People have explored new ideas for sustained living and functioning of their respective businesses. In case of education & training online sharing & learning has become widely accepted phenomenon. In this Context, CIDC has devised short duration (04 months) certificate course in different industry relevant topics. To begin with these courses are offered to civil engineering students. It is an acknowledged fact that Construction Industry plays an important role in progress of Indian economy, which is poised to grow rapidly in times to come. It is expected that with this robust growth, the demands on Construction & Infrastructure, too grows, creating substantial jobs opportunities for well trained personnel at all levels. Whereas, several conscious efforts are being made to create a strong cadre of skilled Managers, supervisors & the work persons, where CIDC has played an important role in developing trained human resources for Indian construction industry over past two decades, the need of properly groomed engineers, who could handle the intricacies of project & construction management, is perpetually felt by the Industry. There is also an urgent need to develop and prepare Construction Managers, who could take up sector specific responsibilities. It has there fore been decided to initiate series of certificate programs leading to develop proficiencies in management of different aspects of Construction/ Infrastructure sector. This is quite possible for the students pursuing diploma/degree in civil engineering opt to undergo these certificate programs simultaneously.

Industry Snapshot:

Construction sector in India will remain buoyant due to increased demand from real estate and infrastructure projects. India is estimated to be third largest construction market globally by 2030, with its contribution to GDP increasing to 15% by 2030. Size of the India's construction industry expected to be USD 1 trillion by 2025. Today construction sector is second largest employer in India and is poised to become the largest employer by 2022, employing more than 75 million peoples. 650 Billion investments in urban infrastructure estimated over next 20 years. Identification of 99 Smart Cities, having an outlay of USD 31.38 billion. India's real estate market is expected to reach a market size of USD 180 billion by 2020 (Source: <http://www.makeinindia.com/sectors>). The future of young civil engineers is very bright seeing the growth prospect of the construction sector in the country. Infrastructure is the top most priority of the Government of India. In recent times Government of India has launched massive infrastructure projects like Toilets for all, Housing for all, 100 Smart Cities, National/ Express Highways, Dedicated Freight Corridors, Rapid Rail Transport System, Capacity building of Aviation Sector besides large number of Buildings and Bridges. The next decade is going to witness phenomenal growth in Construction Infrastructure leading to unprecedented demand of competent (Technical and Managerial) construction professionals at all level. This period is going to be the moment of reckoning for the construction industry to demonstrate its managerial, financial and technical prowess to establish new benchmarks in Construction Management, Construction Quality, imparting value addition to its products and services in all spheres of construction / infrastructure.

Learning outcome:

It is an acknowledged fact that there are significant gaps amongst the fresh diploma/ degree engineering students to enable them to get suitable jobs. This series of certificate programs would help all the participating students to acquire knowledge & skills to align their academic understanding for practical purposes.

The major benefits would be:

- Improved interpersonal skills.
- Better understanding of domain (building, highways, underground construction & construction management) knowledge.
- Opportunity to know about industry functioning.
- Opportunity to network with industry experts.
- Opportunity to visit live projects to further strengthen field application of their education.
- Enhanced placement opportunity.

Advantages:

- Short duration certificate program on specific aspect of Construction/ Infrastructure.
- Three months online interactive learning clubbed with three months of onsite exposure (subject to prevailing covid norms).
- Certificate courses are industry specific and application based.
- Faculties are senior practicing professionals.
- Any civil engineering student (2nd year to final year) can join this program Simultaneously with their degree program from the comfort of their homes.
- Regular assessment of learning and feedback on weak areas.
- Opportunity for networking with industry.
- Placement assistance for final year students.
- Fulfills the requirement of mandatory internship.
- Most reasonable fee structure.



Programs of offer (Duration- 04 months each) :

CIDC CERTIFICATE IN GENERAL CONSTRUCTION MANAGEMENT (CCGCM)

This four months course would be helpful for the civil engineering students to learn and acquire the desired knowledge on basic fundamentals of Construction Management. The course is designed to cater specific knowledge which is practiced while implementation of construction projects in India. There is a provision of three months of onsite exposure to witness and strengthen the understanding made during the online interactive sessions. The course would broadly cover following topics:

S.No.	Course Name	Subject Code	Subject Name
1	CC-GCM	CC/GCM/01	Project Management Systems & Techniques
		CC/GCM/02	Project Planning and Monitoring Software's, Latest Software's for Quantity Surveying
		CC/GCM/03	Construction Economics, Risk Management and Insurance Construction Financial Management
		CC/GCM/04	Construction Value Engineering Construction Equipment Management
		CC/GCM/05	HR Management in Construction Project Formulation and Appraisal
		GCM/PW/01	Project Work



CIDC CERTIFICATE IN BUILDING CONSTRUCTION MANAGEMENT (CCBCM)

The construction of buildings are one of the important and substantive area of civil engineering. Needless to mention that there are lot of new technologies being practiced in India to ensure better quality and saving on time besides ensuring no accidents at site. The students who wish to pursue their career in building construction sector would be immensely benefited from this course as this would train them on each and every aspect of modern building construction practices. The course would broadly cover following topics:

S.No.	Course Name	Subject Code	Subject Name
2	CC-BCM	CC/BCM/01	Terminology in building construction, Management of high rise buildings
		CC/BCM/02	Pre Cast Building Technology and Logistics Management, Management of Industrial Structures and Composite Buildings
		CC/BCM/03	Pre Engineered Building Management, Green Building Technologies and Regulatory Provisions, Integrated Building Management System
		CC/BCM/04	Repairs, Retrofitting and Management of Existing Buildings
		CC/BCM/05	Management of Sports and Commercial Buildings
		BCM/PW/01	Project Work

CIDC CERTIFICATE IN HIGHWAY CONSTRUCTION MANAGEMENT (CCHCM)

It is an acknowledged fact that without the robust physical Infrastructure no country can survive and maintain economic growth, India being one of the fastest developing countries has major focus on developing the Highways and Express Highways connecting all parts of the country. The focus on Development of Roads and Highways and committed investment has given rise to demand of large number of Highway Professionals and this particular course has been designed to cater these emerging requirements. The students who wish to pursue their career in Roads and Highway sector would be immensely benefited from this course. The course would also help them better understand their prescribed course on transportation engineering. The broad topics covered in this course are:

S.No.	Course Name	Subject Code	Subject Name
3	CC-HCM	CC/HCM/01	Interpretation of Different types of Roads and Highway Contracts, Specifications and drawings
		CC/HCM/02	Management of State and National Highways
		CC/HCM/03	Technology and Management of Express Highways in India
		CC/HCM/04	Latest Technology in Elevated Roads and Underpasses
		HCM/PW/02	Project Work

CIDC CERTIFICATE IN UNDERGROUND CONSTRUCTION MANAGEMENT (CCUCM)

Underground construction projects, particularly those in urban areas, ostensibly experience more significant problems than other infrastructure projects. In many underground projects, technology is more challenging than in other infrastructure projects, increasing the chance of failure. Moreover, in underground projects the consequence of eventual failure is often more profound than in other projects, increasing the overall consequences of failure. As a result, underground projects have a reputation for being risky because they are susceptible to implementation problems. Society's growing demand for space, however, makes us heavily dependent on underground space to satisfy contemporary spatial claims. The students who wish to pursue their career in any kind of construction/ Infrastructure projects would be immensely benefited from this course. The broad topic covered in this course are:

S.No.	Course Name	Subject Code	Subject Name
4	CC-UCM	CC/UCM/01	History of Subsurface Development
		CC/UCM/02	Planning the Use of Subsurface Space
		CC/UCM/03	Design of Underground Structures
		CC/UCM/04	Underground Construction Management
		UCM/PW/01	Project Work

Program Delivery Mechanism:

Program Delivery Mechanism: The certificate programs will be delivered in two parts:

Part -1 The basic concepts and fundamentals will be dealt through online interaction with industry experts and video contents. There would be online quiz's, seminars and assessment of Learning. The duration of this part shall be 3 months.

Part-2 In this part face to face interaction with expert faculty will be organised on regular basis as per requirement.

The location could be one of the colleges from where 25 or more students are registered in each program on offer. In case this condition is not met, the location would be common place suitable to registered students (Region wise).

The duration of this part shall be 1 month & minimum 04 face to face interaction sessions will be organised. Where ever possible one- two days site -visit under guidance of CIDC expert faculty shall also be organised. A detailed project report will have to be prepared by students to showcase the complete learning they had through online interaction and onsite observations. The project report would also have weightage in award of certificate.

Assessment Plan:

In order to ensure that all the students pursuing these certificate programs are seriously engaged in enhancing their knowledge and skills regular assessment shall be an integral part of program.

There will be an online assessment after completion of each subject followed by a final exam (comprising of all subjects). There will be weightage for project report also.



Program Fee:

Rs. 21240/- (Including 18% GST) per certificate course of four months.

Full fee has to be paid at the beginning of the course to confirm the admission.

The cost on travel and living during onsite exposure has to be borne by the students. In many cases the company allowing access to their projects may offer free food and accommodation; however, it is purely at their discretion and not our commitment.

Note:

25% Discount if candidate opts for all four certificates combined.

Combined certificate (04) candidates will have assured two interview opportunities by CIDC.

FOR ONLINE REGISTRATION:

https://docs.google.com/forms/d/e/1FAIpQLSdryKCnpaxIQezV-Cbt9nV9V3KCl_u2URvjwCKM6jMHBH8AYQ/viewform?usp=sf_link

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