

# PROPOSAL

## **NATIONAL LEVEL INTERNSHIP PROGRAM (NLIP) LEARNING THROUGH INTERACTION WITH INDUSTRY**

### **Preamble:**

The current pandemic is biggest crisis being faced by our generation. It has also impacted social, cultural and economic system and thinking of our society. One of the most important and essential activity that is education has been affected very badly. Most of the schools and colleges are closed from last 14 months and complete education has been shifted to online mode of delivery which could not address the need of professional courses. Before COVID 19 situation, no one could appreciate that a learner can get the credit of learning in swimming in sitting the room without going to the river and pond. The lab requirements and field exposure are the foundation of the professional courses. In this context, **Construction Industry Development Council (Established by the Planning Commission, Government of India) which pioneered the training programs in the Construction Industry and bridged the gap between Industry and Academia is offering a national level internship program for engineering students.**

CIDC has come up with a plan to organise learning courses for engineering students, young faculties and professionals on the most needed but not properly covered areas and topics. These courses will contain the distance learning modules and then industry-oriented training depending on the situation of COVID 19. CIDC will prefer only those courses which have been asked by the Industry. The Industry experts will join in the course delivery and Industry oriented training.

### **Association with AICTE:**

The All India Council of Technical Education, New Delhi has issued a directive on 15.07.2021 (copy is attached herewith for quick reference) to all AICTE approved Universities/ Colleges/ Institutions to meet their internship obligations in line with the Internship Policy of AICTE in association with CIDC.

### **Industry Interaction Model:**

CIDC has identified the niche areas where students are required to gain proper knowledge and develop their abilities to work effectively. As example, we may consider several courses for Civil Engineering students, faculties and professionals. Similarly, the demanding courses have been prepared for other branches. During the course the essential topics like quality assurance, skill assessment, billing, site accountancy etc. will also be taught.

The experts from Industry will be actively involved in all the stages of the courses. The teaching shall be done by industry experts

CIDC also proposes that the students shall be evaluated jointly by the CIDC and Institute/ University to gauge their learning on each topic and collaborative Institute/ University may consider awarding suitable credit points for each session. This will not only ensure serious participation but also form part of fulfilling the formal course requirements.

The series of such interactive courses would provide great learning opportunity and also opportunity to network with senior industry experts that may be very helpful in searching a better placement.

The students of all branches are eligible.

## **Course Allotment:**

Students may select five courses from the course list. The course will be finalised by the Committee on the basis of the interest and previous knowledge and skill of the student. Some higher level courses may be required completion of internship on other basic courses related to the course. The internship in these higher courses only be allowed after completion the required basic courses.

## **Batch Schedule:**

- (i) New batches will start from the 7<sup>th</sup> DAY of each month.
- (ii) The duration of the batch will be one month.
- (iii) The registration made from 1<sup>st</sup> to last day of the month will be considered for the coming month's batch

## **Fee:**

### **1. For Online Internship**

(A) For the registration till 31.07.2021

Total to be paid Rs 885.00 (Rs 750.00 plus 18% GST) per month per student per course.

(B) For the registration from 01.08.2021 till 31.08.2021

Total to be paid Rs 1,416.00 (Rs 1,200.00 plus 18% GST) per month per student per course.

(C) For the registration from 01.09.2001

Total to be paid Rs 2,360.00 (Rs 2,000.00 plus 18% GST) per month per student per course.

### **2. For Offline Internship (Industry Linked)**

(A) For one month (in CIDC training center)

(i) Non residential

Total to be paid 21,830.00 (Rs 18,500.00 plus 18% GST)

(ii) Residential

Total to be paid 28,320.00 (Rs 24,000.00 plus 18% GST)

(B) For six months (One month in CIDC training center and Five months in the Industry)

(iii) Non residential

Total to be paid 35,990.00 (Rs 30,500.00 plus 18% GST)

(iv) Residential

Total to be paid 42,480.00 (Rs 36,000.00 plus 18% GST)

THE FEES SHOWN UNDER items (iii) and (iv) are payable to CIDC for only one month physical internship at CIDC Centers, and for the balance duration of deputation at project location, the candidate shall have to bear the expenses for travel, board, and lodge directly, unless sponsored by the company.

## **Payment Mode:**

NEFT/ RTGS/ BANK TRANSFER BANK DETAILS:

Name of Account: Construction Industry Development Council Bank Name: The Federal Bank Limited. Bank Branch: Nehru Place, New Delhi-110019. Bank A/c No.:13810100093936 IFSC Code: FDRL0001302 MICR Code: 110049005

(Please upload the proof of payment with the registration form)

## **Link for registration:**

<https://docs.google.com/forms/d/1owJs2ApnpSy86bYNf7fngetbQhnToZQ8AyXxhoEwCwg/edit>

The separate registration is required for each course if anyone wants to join more than one course. The payment shall be made separately for each course.

## **Contact:**

P K Mishra

Additional Director, CIDC

Mobile: 9415322010, email: [cidcdir@gmail.com](mailto:cidcdir@gmail.com)

Website: [www.cidc.in](http://www.cidc.in)

# COURSES

Course Number	Topic	Module Duration
NLIP001	Legal Side of Contract Management, Arbitration & Dispute Settlement Mechanism	One Month
NLIP002	Latest Trends in Construction Management TQM, Safety	One Month
NLIP003	Quality Control and Quality Assurance in Concrete Construction	One Month
NLIP004	Project Management & Project Planning	One Month
NLIP005	Project Cost Management Including Computer Aided Cost Estimation and Surveying Techniques	One Month
NLIP006	Projects Risk Management	One Month
NLIP007	Managing Project Sites – Lessons in Construction Excellence	One Month
NLIP008	Public Private Partnership	One Month
NLIP009	Tax Management in Construction & Infrastructure Projects	One Month
NLIP010	Leadership Techniques, Team Building & Managing HR	One Month
NLIP011	Managing Projects Sites- Lessons in Construction Excellence (with Site Visit)	One Month
NLIP012	Dispute Resolution in Construction Contracts with special Focus on Arbitration	One Month
NLIP013	Techniques in Construction Industry in Disaster Management	One Month
NLIP014	Contract Risk Management	One Month

NLIP015	<b>Low Cost Housing Technologies and Execution Methodologies</b>	One Month
NLIP016	Economical and efficient concrete construction practices	One Month
NLIP017	Effective handling of Ready mix concrete including pumping	One Month
NLIP018	Quality control in concrete construction	One Month
NLIP019	Planning and execution of waste disposal for cities	One Month
NLIP020	Technologies and Equipment for High Rise Building Construction	One Month
NLIP021	Planning, construction & maintenance of efficient Road Transport system	One Month
NLIP022	Construction and maintenance of water treatment plants	One Month
NLIP023	Human resource planning for cost effective construction	One Month
NLIP024	Quality Assurance in pre cast construction	One Month
NLIP025	Project documentation	One Month
NLIP026	Construction supervision operations.	One Month
NLIP027	Lean Construction management contents	One Month
NLIP028	Construction delays , and management of time & cost oversees	One Month
NLIP029	Construction Defects	One Month
NLIP030	Management Construction Logistics	One Month
NLIP031	Construction Stake holder management	One Month
NLIP032	Feasibility studies in construction	One
NLIP033	DPR development for construction projects	One Month
NLIP034	RFP (Request for proposal) management	One Month
NLIP035	Risk Mitigation in Trenchless Construction	One Month
NLIP036	Finance for Non- Finance executives	One Month
NLIP037	Finance for HR Managers	One Month
NLIP038	Financial Risk – Management for Finance Manager	One Month
NLIP039	Effective Contract Management and Arbitration	One Month
NLIP040	Strategic Planning for Profitability and Growth	One Month

<b>NLIP041</b>	Project Management	<b>One Month</b>
<b>NLIP042</b>	Understanding Finance & Risks for Mega projects	<b>One Month</b>
<b>NLIP043</b>	Applications of GIS Technology	<b>One Month</b>
<b>NLIP044</b>	Remote Sensing and Drone technology	<b>One Month</b>
<b>NLIP045</b>	Modern Concrete Technology	<b>One Month</b>
<b>NLIP046</b>	Pre cast and Pre-Engineered Technology	<b>One Month</b>
<b>NLIP047</b>	Composite Construction	<b>One Month</b>
<b>NLIP047</b>	Construction Chemicals	<b>One Month</b>
<b>NLIP048</b>	Health Audit of Structures and Retrofitting of Structures	<b>One Month</b>
<b>NLIP049</b>	Arbitral and Contract Interpretation	<b>One Month</b>
<b>NLIP050</b>	Introduction to Trenchless Technology	<b>One Month</b>
<b>NLIP051</b>	Sub surface Utility Engineering	<b>One Month</b>
<b>NLIP052</b>	Quantity Surveying & Billing	<b>One Month</b>
<b>NLIP053</b>	Bridge Inspection & Health Assessment	<b>One Month</b>
<b>NLIP054</b>	Building Inspections & Health Assessment	<b>One Month</b>
<b>NLIP055</b>	Industry oriented foundation level course for Civil Engineers	<b>One Month</b>
<b>NLIP056</b>	Arbitration and cyber security	<b>One Month</b>
<b>NLIP057</b>	Workers skill Assessment	<b>One Month</b>
<b>NLIP058</b>	Industry oriented foundation course for Electrical Engineers	<b>One Month</b>
<b>NLIP059</b>	Materials for Electrical Engineering	<b>One Month</b>
<b>NLIP060</b>	Measurements and Instrumentation	<b>One Month</b>
<b>NLIP061</b>	Generators, Transformers and Motors	<b>One Month</b>
<b>NLIP062</b>	Switchgear Fuses, relays and static power supply	<b>One Month</b>
<b>NLIP063</b>	Wires and Cables	<b>One Month</b>
<b>NLIP064</b>	Batteries and Power Systems	
<b>NLIP065</b>	Industry oriented foundation level course for Mechanical Engineer	<b>One Month</b>
<b>NLIP066</b>	Mechanical Principles and Applications	<b>One Month</b>
<b>NLIP067</b>	Advanced Mechanical Principles	<b>One Month</b>
<b>NLIP068</b>	Construction resources	<b>One Month</b>
<b>NLIP069</b>	Construction site Initiation	<b>One Month</b>
<b>NLIP070</b>	Risk & Safety management at contraction site	<b>One Month</b>
<b>NLIP71</b>	Products quality control system at construction sites	<b>One Month</b>
<b>NLIP072</b>	Building material & waste management	<b>One Month</b>
<b>NLIP073</b>	Basics of Trenchless technology	<b>One Month</b>
<b>NLIP074</b>	HDD good practices Horizontal Directional Drilling operational & good practices	<b>One Month</b>

<b>NLIP075</b>	Micro tunneling & pipe jacking	<b>One Month</b>
<b>NLIP076</b>	Trenchless technology & Subsurface Construction (SSTT)	<b>One Month</b>
<b>NLIP077</b>	Subsurface Asset development.	<b>One Month</b>
<b>NLIP078</b>	Subsurface Asset Administration (SSAA)	<b>One Month</b>
<b>NLIP079</b>	Subsurface Asset Termination (SSAT)	<b>One Month</b>
<b>NLIP080</b>	Safety Issues in Subsurface Networks Development & Management	<b>One Month</b>
<b>NLIP081</b>	Waste Management & Trenchless Technology	<b>One Month</b>
<b>NLIP082</b>	Pipeline Condition Assessment	<b>One Month</b>
<b>NLIP083</b>	Construction Sub contractors Management	<b>One Month</b>
<b>NLIP083</b>	Micro tunneling Operation	<b>One Month</b>
<b>NLIP084</b>	Moiling Operation	<b>One Month</b>
<b>NLIP085</b>	Pipe Bursting Operation	<b>One Month</b>
<b>NLIP086</b>	Pipe Ramming Operation	<b>One Month</b>
<b>NLIP087</b>	Cured in Place Pipe Technique Suiting Indian Conditions	<b>One Month</b>
<b>NLIP088</b>	Pipe Bursting Suiting Indian Condition	<b>One Month</b>
<b>NLIP089</b>	Horizontal Directional Drilling Suiting Indian Condition	<b>One Month</b>
<b>NLIP090</b>	Micro tunneling & Pipe Jacking Suiting Indian Condition	<b>One Month</b>
<b>NLIP091</b>	Glass Reinforced Pipe Technique Suiting Indian Condition	<b>One Month</b>
<b>NLIP091</b>	Model Consultancy Contract for HDD Crossing (MCC-HDD)	<b>One Month</b>
<b>NLIP092</b>	General Conditions of Contract Document for Horizontal Directional Drilling (GCC-HDD)	<b>One Month</b>
<b>NLIP093</b>	Introduction to Pipeline Rehabilitation	<b>One Month</b>
<b>NLIP094</b>	Trenchless Technology Selection	<b>One Month</b>
<b>NLIP095</b>	Trenchless Technology Scope of Works	<b>One Month</b>
<b>NLIP096</b>	Trenchless Technology Risk Mitigation	<b>One Month</b>
<b>NLIP097</b>	Standard Operating Procedures for Application of Trenchless Technology	<b>One Month</b>
<b>NLIP098</b>	Standard General Conditions of Contract for Construction Contracts Employing Trenchless Technology.	<b>One Month</b>
<b>NLIP099</b>	Independent Quality Assurance for subsurface construction workers	<b>One Month</b>
<b>NLIP100</b>	Risk Mitigation measures for subsurface construction worker.	<b>One Month</b>





प्रो. एम.पी. पूनीयाँ  
उपाध्यक्ष  
Prof. M.P. Poonia  
Vice-Chairman



सत्यमेव जयते

अखिल भारतीय तकनीकी शिक्षा परिषद्

(भारत सरकार का एक सांविधिक निकाय)  
(मानव संसाधन विकास मंत्रालय, भारत सरकार)  
नेल्सन मंडेला मार्ग, वसंत कुंज, नई दिल्ली-110070  
दूरभाष: 011-26131495  
ई-मेल: vcm@aicte-india.org

**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**

(A STATUTORY BODY OF THE GOVT. OF INDIA)

(Ministry of Human Resource Development, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070

Phone: 011-26131495

E-mail: vcm@aicte-india.org

Dated: -15.07.2021

To,

All AICTE approved Universities / Colleges / Institutions

Construction Industry Development Council (CIDC), the apex body representing construction Industry was established by the Planning Commission (now NITI Ayog) Government of India jointly with the construction industry, to help promote efficient methods, technology, management and skill development in order to develop and implement world class projects within least time and at least cost. CIDC has undertaken an extensive program for Internships of Engineering students. The details about CIDC are available at [www.cidc.in](http://www.cidc.in).

AICTE, in association with CIDC, has agreed to promote Internships with industrial houses and government / semi-government organisations as also to undertake other programs to help Engineering Colleges to meet their internship obligations in line with the Internship Policy of AICTE. CIDC is collaborating with various other Professional organisations and a major Engineering Journal CE&CR (<https://cecr.in>)

You may get in touch with CIDC for the internship needs of your students. For further details please contact:

**Dr. P. R. Swarup, Director General,**  
**Construction Industry Development Council**  
801 (8<sup>th</sup> Floor), Hemkunt Chambers,  
89, Nehru Place, New Delhi - 110019 India  
Tel.: 011-26489992, Cell: +919811085597  
Email: [cidc@cidc.in](mailto:cidc@cidc.in); [cidcfrd@gmail.com](mailto:cidcfrd@gmail.com) & [cidcindia@gmail.com](mailto:cidcindia@gmail.com)  
Web: <http://www.cidc.in>

(Prof. M. P. Poonia)  
Vice Chairman

15/07/21