

One Year Graduate Programme in Concrete Technology, Waterproofing and Repair Management

DISTANCE EDUCATION PROGRAMME

Programme Brochure

One year Graduate Programme in Concrete Technology, Waterproofing and Repair Management

INTRODUCTION

Built environment normally has to undergo a substantial repair and maintenance, although this will depend on the extent of decay suffered by the individual building. If properly maintained however, buildings should survive for the enjoyment of many generations. This Programme is designed to provide adequate skills and expertise required to deal with all the important aspects of concrete technology, waterproofing, repair, restoration, renewal and building maintenance management.

DURATION

The Programme duration is 12 months. It is divided in 2 Modules, each term is of 6 months. Extension of the duration for completion of studies is normally not allowed.

PROGRAMME DESIGN

The Programme Design is modular. A module is of 6 months duration, has 4 courses for study, 4 assignment to write, one seminar to attend and examinations. This one year Programme involves 2 Modules, 8 courses (10 lessons each), 2 contact classes and 2 Examinations.

Module 1: Concrete Technology and Waterproofing of Concrete Structures

Course No	Course Title	Lessons	No. of Assignments
1	Concrete Technology	10	1
2	Basics of Waterproofing Technology	10	1
3	Waterproofing Materials and Applications	10	1
4	Waterproofing-Standards, Guidelines and Codes of Practices	10	1

Module 2: Technology and Management of Maintenance and Repair

Course No	Course Title	Lessons	No. of Assignments
1	Building Maintenance – Concept and Perspectives	10	1
2	Distress Analysis for Concrete Buildings	10	1
3	Repair, Materials and Applications	10	1
4	Management of Repair, Restoration and Renewal Projects	10	1

STUDY PROCEDURES

A student must register for one module at a time, take examinations at the end of six months and pass at least two courses (subjects), then register for the next module.

He / She has to clear the rest courses of the first module before taking the examination of the second module

STUDY MATERIALS

The study material for a Programme typically comprises the following:

- Lesson Book
- Assignments.

CONTACT CLASSES

The contact classes are held every module at pre-informed dates and venues. All students are required to attend the seminars (Contact Classes). The purpose of Contact Classes is to provide face to face teaching to students for becoming more focused on studies and solve individual problems.

EXAMINATIONS

Examinations of the SODE Programme are held four times in an year, generally in the months of March, June, September and December at the end of each Module. It is a Course-wise written examination. Pass percentage is 40 in each course.

Sr. No.	Item	Marks
1.	Examinations held Module wise 8 courses (4 x 2 M) Each of 100 marks	800
2.	8 Assignments (1 per course x 8) x 30	240
3.	Attendance/Assessment of RCC (2 x 80)	160
	Total	1200

Admissions and Exam. Schedule

The admissions and Examinations schedule is as follows:

Admission Taken in	Exam.
December – February	June
March – April	September
June – August	December
September – November	March

ADMISSION

Admission is open to candidates from India and abroad throughout the year.

ELIGIBILITY

In order to be eligible for admission to Graduate Programme, the candidate should successfully meet the following criteria:

- i. Diploma in any branch of Engineering.
OR
- ii. Non-Engineering Graduates with 2 years' work experience in construction.

PAYMENT OF FEES

The Schedule of fees and other charges for various Programme are given in later paras. The following points may be noted by all students.

1. Fees once paid are non-refundable.
2. The fees will be forfeited if a student, after having been enrolled, leaves studies in between or fails to complete the course successfully.
3. Fees are payable by Demand Draft drawn in favour of NICMAR – SODE, payable at Pune. Personal cheques and cash are not accepted.
4. The fees and other dues payable at the time of admission.
5. Students who are unable to complete the Programme they have selected during the normal duration should pay the fees as per the new scheme prevailing at that time for completing the Programme.

FEES AND PAYMENT SCHEDULE

Total fee	Fee to be paid for Module 1 at the time of admission	Module 2
Rs. 60,665/-	Rs. 33,090/-	Rs. 27,575/-

Contact classes fee is Rs. 2757.50 per module.

PROSPECTUS AND APPLICATION FORM

Prospectus and Application Form can be obtained from NICMAR on payment of Rs. 1103/- by Demand Draft or downloaded from websites: www.nicmar.ac.in or www.drfixitinstitute.com and sent along with xerox of required documents & application fee of Rs. 1103/- by Demand Draft to NICMAR. The Demand Draft shall be in favour of "NICMAR - SODE" payable at Pune.

The prospectus and application form is available from:

- 1) The Dean – SODE
NICMAR, 25/1, Balewadi,
N. I. A. Post Office, Pune – 411045.
Tel : 020 – 27292671 / 27292512 (Extn. 202),
Fax : (020) 27291057
E-mail : code@nicmar.ac.in

- 2) DR. Fixit Institute of Structural Protection
C/o Pidilite Industries Ltd ,
Ramkrishna Mandir Road, Andheri (E),
P. O. Box – 17411, Mumbai – 400059
Tel : 022 – 28357979 / 7154
Fax : 022 – 2835 7149.
Website: www.drfixitinstitute.com

Head - Training - Tirtha Pratim Banerjee

Email: tirtha.banerjee@pidilite.com
Contact: 9930650145

The Section Head - Training : Neelima S. S.

Email: neelima.sali@pidilite.co.in
Contact: 9969354030

NICMAR

National Institute of Construction Management and Research (NICMAR) is a leading educational Institute established by the Indian construction industry. NICMAR is an autonomous, non-government, non-profit academic body, incorporated in India on September 1983 as a 'Society' and a public charitable 'Trust'. It is recognized by Government of India as a Scientific and Industrial Research Organisation – SIRO. Major academic programmes of the Institute were started with technical assistance from UNDP and academic inputs from the faculty of MIT-USA, University of Michigan-USA, ILO, University of Management, Ahmedabad. The Institute enjoys Income Tax exemption u/s 11 of the Income Tax Act, 1961.

The Programmes cover a wide range of themes in areas like general management, construction, infrastructure, contracts, safety, projects, etc. Around 2000-2500 students graduate every year from the various programmes of the Institute.

NICMAR Academic Activities:

A. Full Time On-campus Programmes

- i. Two Year Post Graduate Programme in Advanced Construction Management, offered from Pune, Hyderabad and Goa.
- ii. Two Year Post Graduate Programme in Project Engineering and Management, offered from Pune
- iii. Two Year Post Graduate Programme in Real Estate and Urban Infrastructure Management, offered from Pune
- iv. Two Year Post Graduate Programme in Infrastructure Finance, Development & Management
- v. One Year Post Graduate Programme in Health, Safety and Environment Management, offered from Hyderabad
- vi. One Year Post Graduate Programme in Quantity Surveying, offered from Hyderabad.

B. Part Time Week-end Programmes Offered from Mumbai

- i. One Year Post Graduate Programme in Construction Management for Working Executives
- ii. One Year Post Graduate Programme in Quantity Surveying and Contract Management for Working Executives
- iii. One Year Post Graduate Programme in Project Management for Working Executives.

C. Distance Education

The distance education programmes offered by NICMAR, are qualification programmes in various branches of Construction Management in the infrastructure development sector, and the construction industry. They are designed to cater to the professional growth, job proficiency and career promotion of executives engaged in managing civil works activities.

Distance Education Programmes offered by NICMAR are of varying levels and durations as indicated below:

- i. Post Graduate Programmes (2 years duration)
- ii. Graduate Programmes (1 year duration)
- iii. Certificates (6 months duration)

D. Executive Education

The Executive Education Programmes offered by NICMAR seek to up-grade the managerial and technical capabilities of working executives of companies, government departments and other organisations engaged in manufacturing, construction and infrastructure development work and service sector. A variety of such programmes are regularly conducted from different NICMAR campuses either on open-mode or in company-mode. Over 1000 professionals avail of such programmes every year.

Dr. Fixit Institute of Structural Protection and Rehabilitation (DFI-SPR)

Dr. Fixit Institute of Structural Protection and Rehabilitation (DFI - SPR), a not-for-profit knowledge center, was registered as a stand-alone organization in June 2006 under the promotional umbrella of Pidilite Industries Limited. The activities of the institute are overseen by a governing Council Comprising eminent professionals and technocrats from the field of construction engineering, research and management. Over the last 5 years DFI-SPR conducted more than 100 training programmes at various centers, with over 3000 participants.

VISION

To become a premier national knowledge and skill development centre for capacity enhancement in waterproofing and other areas of repair, restoration and renewal engineering based on sustainable and green technologies.

MISSION

To act as a platform of national and international networking for sharing of knowledge and practices in the fields of waterproofing, repairs, restoration, and renewal engineering in the context of life cycle assessment of the built environment for adoption of best practices by the country's construction industry.

ACTIVITIES

The Major Activities of DFI-SPR are as follows:

- Promote scientific knowledge and engineering skills required for repair, rehabilitation and waterproofing.
- Upgrade knowledge and skills by organising training programmes on various relevant subjects for artisans, students, engineers, managers, contractors and other industry professionals.
- Collect, collate and share the best global practices through national and international networking.
- Develop and help adopt standards and specifications bringing out relevant publications.
- Advanced Non-destructive Tests and Consultancy Services.

DFI - SPR and NICMAR SODE have decided to jointly conduct one year Graduate Certificate Programmes in Concrete Technology, Waterproofing and Repair Management.