



**NICMAR**  
UNIVERSITY  
PUNE

**SCHOOL OF ENGINEERING**

## **Post Graduate Diploma in Ready-Mix Concrete Management (PGD RMCM)**



# **NICMAR University, Pune**



## **POST GRADUATE DIPLOMA IN READY-MIX CONCRETE MANAGEMENT (PGD RMCM)**

Programme Brochure  
(2026-27)

# **Post Graduate Diploma in Ready- Mix Concrete Management**

## **(PGD RMCM)**

### **INTRODUCTION:**

Ready-Mix Concrete (RMC) technology is rapidly emerging as a key driver in the construction industry, propelled by urbanization, infrastructure development, and the rising demand for high-quality, durable building materials. NICMAR University, a leader in construction management education, is well-positioned to introduce a specialized Postgraduate Diploma (PGD) in RMC Technology. This program is designed to meet the industry's growing need for skilled professionals in RMC production, quality control, and sustainable concrete practices.

**Industry Growth & Demand:** The Indian RMC market is projected to grow at a compound annual growth rate (CAGR) of 8% from 2023 to 2027, driven by the following factors:

- The government's increased focus on infrastructure projects, including smart cities, highways, and affordable housing schemes.
- Growing preference for high-quality, durable construction materials to enhance project efficiency and reduce labor-intensive processes.
- The urbanization boom and increasing environmental concerns led to adopting sustainable building practices.
- By 2024, India is estimated to have approximately 2,500 RMC plants, primarily concentrated in urban and semi-urban regions, where construction activity is at its peak.

This program by NICMAR University aims to equip professionals with the expertise to address these industry trends and challenges effectively.

### **VISION OF SCHOOL OF ENGINEERING**

To emerge as a globally recognized school for promoting innovation and sustainability, equipping students with the knowledge and skills to tackle complex modern-day challenges and transforming them into holistic professionals and responsible citizens.

### **Mission Of SCHOOL OF ENGINEERING**

We at the School of Engineering are committed to achieving the vision by,

- M1** Provide transformative education by blending academic excellence with hands-on experience
- M2** Promote a culture of interdisciplinary research, Industry Interaction, sustainability, quality and ethical values.
- M3** Aim to nurture creative thinking in entrepreneurial and intrapreneurial endeavors.
- M4** Prepare industry-ready professionals by enhancing industry-institute interactions.

## **PROGRAM EDUCATIONAL OBJECTIVES (PEOs):**

The proposed PGD in Ready-Mix Concrete Technology aims to:

- PEO1:** Provide in-depth theoretical and practical knowledge of RMC technology.
- PEO2:** Develop management and leadership skills for effective plant operations and project execution.
- PEO3:** Enhance student employability in the RMC industry by integrating industry exposure, internships, and project work.
- PEO4:** Promote sustainability and innovation in concrete technology.

**Students shall be employable in the RMC Sector as** RMC Plant Managers, Production Engineers, Quality Control Engineers, Project Managers for Infrastructure Projects, and Sustainability and Environmental Specialists in Concrete Production.

**Students shall acquire the skill sets** of expertise in concrete mix design and plant operations, proficiency in quality assurance and safety protocols, ability to implement sustainable production practices, and leadership in managing teams and projects.

## **PROGRAMME SPECIFIC OUTCOMES (PSOs)**

- PSO1:** Able to write and present a substantial technical report/ document, enabling them to interact with the stakeholders of RMC projects.
- PSO2:** Apply the theory and practices of operation, maintenance, managing resources and execution of the RMC plant.
- PSO3:** Apply digital technologies for operation, maintenance, managing resources and execution of the RMC plant.
- PSO4:** Demonstrate professionalism, ethical approach, and interpersonal skills to work in multidisciplinary project teams
- PSO5:** Develop proficiency in Project Communications and Financial skills for business conduct.

## **DURATION**

The programme duration is of one year and is organised into two semesters. The internship is embedded in the second semester.

## **ELIGIBILITY**

Candidates with a regular bachelor's degree in civil engineering or related field from a recognized institution/university are eligible. Candidates seeking admission are required to have secured a minimum of 50% aggregate marks (45% for the candidates from the reserved category) at the graduation level. Final year eligible graduating students can also apply. However, such candidates must have completed (passed) their Graduation before the commencement of programme.

## **ADMISSION PROCEDURE**

Selection of students is made by the selection committee. Those interested in admission to the programmes offered by the NICMAR University, Pune may apply online, pay fees and upload documents through our website. All specified documents must be submitted. Incomplete applications will not be considered.

### **Application Fee:**

**PG Programmes: INR 2,500/-**

Candidates' preference of programme will be considered, but the allotment will be done at the sole discretion of the admission department, NICMAR University. Candidates should appear for the selection procedure on the given dates.

**Admission process will be conducted online and the detailed Information will be shared with the applicants.**

### **SELECTION PROCEDURE FOR PG PROGRAMMES**

Applications are scrutinised and eligibility is established on the basis of the documents submitted. Eligible candidates will be invited to appear for the selection procedure, i.e., PG NCAT which comprises Aptitude Test, Personal Interview (PI) and Rating of Application (RA). PG-NCAT (Aptitude test and Personal interview) is mandatory for all aspirants applying to MBA and PGD programmes.

In addition to PG-NCAT, valid scores of the aspirants appearing for CUET PG / MH-CET / CAT / XAT / MAT / NMAT / GRE / GMAT will be considered for MBA & PGD programmes. For M.Plan and M.Tech programmes, GATE scores (in Architecture & Planning / Civil Engineering for M.Plan, and Civil Engineering for M.Tech) will be accepted as an alternative to the PG-NCAT (Aptitude Test).

Candidates who appear for both PG-NCAT and any of the approved entrance examinations mentioned above will have their best score considered, wherever applicable.

For candidates appearing in NCAT & other additional entrance exams (as mentioned above), the highest score among such exams will be considered for final merit.

#### **Post Graduate NICMAR Common Admission Test (PG-NCAT)**

Details	Total Marks
<b>Post Graduate NICMAR Common Admission Test (PG-NCAT)</b>	<b>150 marks</b>
a) Quantitative and Analytical Ability	60 marks
b) Data Interpretation	30 marks
c) Verbal and General Ability	60 marks
<b>Personal Interview (PI)</b>	<b>50 marks</b>
<b>Rating of Application (RA)</b>	<b>50 marks</b>
<b>Total</b>	<b>250 Marks</b>

The RA is calculated on the basis of weighted scores of the cumulative academic performance along with work experience (wherever applicable) obtained from the documents submitted to NICMAR University by the candidates.

Selection of candidates is done on the basis of merit. Admission offer letters are issued in the order of merit.

#### **RESERVED CATEGORY**

Description of Caste/Tribe/Category/Class of Reserved Category	Percentage of Reservation
Scheduled Castes and Scheduled Castes Converts to Buddhism	13.0%
Scheduled Tribes	7.0%
De-notified Tribes (A)	3.0%
Nomadic Tribes (B)	2.5%
Nomadic Tribes (C)	3.5%
Nomadic Tribes (D)	2.0%
Other Backward Classes	19.0%
<b>Total</b>	<b>50.0%</b>

## **DOMICILE**

Out of the total approved intake capacity, forty percent of the seats are reserved for the students having domiciled in the State of Maharashtra.

## **FEES AND PAYMENT SCHEDULE**

<b>Sr. No.</b>	<b>Description</b>	<b>Tuition Fee</b>	<b>Development Fee</b>	<b>Programme Fee (Tuition Fee + Development Fee)</b>	<b>Security Deposit (Refundable)</b>	<b>Total</b>
<b>1</b>	<b>1st Instalment (At the time of Admission)</b>	<b>174000</b>	<b>26000</b>	<b>200000</b>	<b>10000</b>	<b>210000</b>
<b>2</b>	<b>2nd Instalment (Within 7 days of the commencement of Semester II)</b>	<b>174000</b>	<b>26000</b>	<b>200000</b>		<b>200000</b>
<b>Grand Total</b>						<b>410000</b>

**Note: Hostel and mess charges are additional.**

The tuition fee includes classroom teaching, workshops as per the programme structure and other charges i.e. fees for examinations, evaluation, project work and assessments, library and students' welfare fund. The University provides a free group accident insurance and group mediclaim policy that covers all students.

The security deposit (Rs. 10,000/-) is refundable on completion of the programme (after adjustment of dues, if any from the student).

The following conditions apply for the payment of fees and other dues.

### **For 1<sup>st</sup> Instalment (at the time of admission):**

- The fees and other dues payable at the time of admission are as mentioned in the admission offer letter.

### **For 2<sup>nd</sup> Instalment Onwards:**

- Fees are payable as per the notification given to the students by the department concerned.
- The fees are payable as per the schedule given, failing which, fees paid after this schedule will be subject to a late fine of Rs.100/- per day for First one Month, Rs. 200/- per day for Second Month, Rs. 300/- per day for Third Month. However, after Third Month, the University may cancel the registration of the student in his/her programme if no valid ground is established for the delay.

The fee above includes the cost of course material, two 'NICMAR University T-Shirts' and one tie.

**The NICMAR University reserves the right to revise any/all of the components of the above policy, including payment schedule and refund policy without any prior notice.**

## **POLICY FOR CANCELLATION OF ADMISSION AND REFUND OF FEE**

The NICMAR University, Pune has a policy of considering refund of the first instalment of tuition fee paid by the student at the time of acceptance of offer, against cancellation of admission. The University strictly follows UGC guidelines in respect of refund of fees. All request applications duly signed by the student must necessarily be received by the Admission Department, NICMAR University, Pune. All such requests in writing must be sent by hand/post/courier only. Any request for refund by e-mail/telephone/fax, etc. if not accompanied by a formal request in writing in the hard copy format within the time stipulated below will not be considered.

If a student chooses to withdraw from the programme of study in which he/she is enrolled, the University shall follow the following five-tier system for the refund of fees remitted by the student.

Sr. No.	Percentage of Refund of Fees	Point of time when notice of withdrawal of admission is received in the University	Deadline
(1)	100%	15 days or more before the formally-notified commencement of the academic session.	on or before 21.06.2026
(2)	90%	Less than 15 days before the formally-notified commencement of the academic session.	22.06.2026 to 05.07.2026
(3)	80%	15 days or less after the formally-notified commencement of the academic session.	06.07.2026 to 21.07.2026
(4)	50%	30 days or less, but more than 15 days, after the formally-notified commencement of the academic session.	22.07.2026 to 05.08.2026
(5)	0%	More than 30 days after the formally-notified commencement of the academic session.	06.08.2026 onwards

\*The security deposit, which is not part of the fees chargeable, shall be refunded in full (after adjustment of dues, if any from the student).

Note 1: In case of (1) in the table above, Processing Charges of Rs.5,000/- will be deducted from the refundable amount (as per refund policy of UGC).

**Note 2: The refund policy will be strictly followed by NICMAR University, time to time as per UGC guidelines and updates.**

### HOSTEL AND LIVING EXPENSES [2026-27]

Hostel accommodation is available at NICMAR University, Pune. There is a separate hostel for girl students. All students must abide by the student handbook Code of Conduct issued by NICMAR University, Pune.

The hostel accommodation within the campus is allotted purely on the first paid, first served basis (on the basis of hostel & food fees received in the NICMAR University, Pune). However, taking into the account the limited number of rooms available in the campus hostels, students requiring accommodation, who could not be accommodated inside the campus hostels, will be assisted in search of appropriate accommodation in the vicinity of the campus, if requested by the students and subject to availability of such accommodation.

The campus has four hostels which altogether provide single occupancy rooms for boys and girls. 194 shared occupancy rooms for girl students. The details are as follows:

Sr. No.	Hostel	Capacity	Type of Occupancy	Charges (Rupees Per Month)	Annual Hostel Charges	Annual Food Charges	Annual Hostel and Food Charges	Remark
1.	Millennium Hostel	502	Single	7800/-	78000/-	114000/-	192000/-	For boys
2.	Silver Jubilee Hostel	323	Single	7200/-	78000/-	114000/-	192000/-	For boys
3.	Ultima Hostel	314	Single	7200/-	78000/-	114000/-	192000/-	For boys
4.	Millennium Hostel	194	Shared (Double)	6500/-	65000/-	114000/-	179000/-	For girls only

- Note: There will be a **Refundable Caution Deposit of Rs.15000/-**
- **Single occupancy for girls (if available) - Rs. 7800/- per month.**

Food package charge is Rs. 400/- per head per day. The package includes breakfast with tea, buffet lunch, evening snacks with tea and buffet dinner.

The mess facilities are run by a Contractor hired by NICMAR University, Pune under the supervision of the Sr. Manager – Estate Administration. The Senior Manager according to the suggestions by the Students' Mess Co-ordinator prepares the menu on weekly basis.

## Payment Schedule

Hostel and food fees are payable semester-wise within 7 days of the commencement of the semester. In case of delay, a fine of Rs. 75/- per day will be payable for the first 7 days, after which, the fine will be Rs. 125/- per day. The hostel and food fees once paid are non-transferable. Mess facility is mandatory for all students staying in NICMAR University, Pune.

Typically, the total living expenses including hostel & food fees expenses at Pune are approximately Rs. 18,000/- to Rs. 20,000/- per month.

Note: Hostel Accommodation and Food charges are inclusive of all taxes applicable.

## FINANCIAL ASSISTANCE

NICMAR University, Pune extends merit scholarships/concessions/fee waiver to students aspiring to undertake full-time PG and UG Programmes. A student is eligible for only one award or scholarship or concession or fee waiver as applicable. These merit scholarships /concessions / fee waivers are designed to recognize and motivate high-performing students, providing financial support based on their academic performance, as well as any other achievements or results in National Level/State Level entrance exams, which includes the NICMAR University, Pune Common Admission Test (PG-NCAT & UG NCAT). Additionally, scholarships are available for students from Economically Weaker Sections (EWS) and for wards of defence personnel, in recognition of their unique circumstances and contributions.

### 1. **“Economically Weaker Section\* [EWS] Fee Waiver”: Applicable for entire duration of the programme:**

- **100% Fee Waiver: Available for up to 5 Students.**
- We are excited to introduce a merit-cum-means fee waiver opportunity for students with an annual family income of up to **Rs. 5 lakhs or less**. The waiver entails a full programme fee waiver for up to 5 students based on their outstanding performance in the admission process. To qualify for this fee waiver, candidates should have 80% & above in SSC & HSC for UG programmes; and 80% & above in SSC, HSC and 60% & above in Graduation for PG programmes.
- **50% Fee Waiver: Available to the 10% (Upto 154 students) of Approved Intake Students.**

50% fee waiver scholarships are awarded to **10%** of students within the approved intake falling within the **Economically Weaker Section (EWS)**, encompassing individuals with an annual family gross income of up to **Rs. 8 lakhs or less**.

*The availability of this benefit is contingent upon meeting the specified conditions outlined in the respective policy.*

*\*Eligibility will also depend on exceptional performance as specified in the respective policy.*

### 2. **“Rising Talent Scholarship”: Applicable for entire duration of the programme**

**Up to Rs. 20,000/- (Per Year) Programme Fee Relief for the 10% (Upto 154 students) of Approved Intake Students through Extra-curricular / Co-curricular Accomplishments.**

A scholarship of up to Rs. 20,000 per year for the entire duration of the programme is exclusively accessible to 10% of students within the approved intake. *The availability of this benefit is contingent upon meeting the specified conditions outlined in the respective policy.*

### **3. Scholarships Offered by Sponsors:**

#### **(i). “International Education Foundation (IEF)\* Scholarship” (for the students of minority community): Applicable for entire duration of the programme\*.**

International Education Foundation is **offering programme fee for the shortlisted students**, for the entire duration of the full time Post Graduate Programmes. This scholarship is available for the students of minority community, admitted to NICMAR University, Pune for the full-time programmes. The details are as follows:

- **Scholarship is available for the students of minority community.**

*\*Subject to approval and as per the scholarship & selection policy of IEF.*

#### **(ii). “thyssenkrupp Uhde India Private Limited\* Scholarship”: Applicable for entire duration of the programme.**

- **Scholarship for Special Category\*\* for SoEE Programmes**

Scholarship for a **female candidate** (Offering full programme fee).

- Candidate must be from Economically Weaker Section.
- Having an Engineering degree (only) at Undergraduate (UG) level

*\*Subject to approval and as per the scholarship & selection policy of thyssenkrupp Uhde India Private Limited.*

*\*\*As per thyssenkrupp Uhde India Private Limited policy.*

### **4. Concession for wards of Defence Personnel: Applicable for entire duration of the programme: \* Limited to 1% (Upto 22 students) of the total intake.**

- **Wards of Defence and Para-military personnel, both currently serving and retired, are eligible for this concession.**

The percentage of scholarship varies based on the rank of the personnel:

Non-Commissioned Officers (NCOs): 25% concession.

Junior Commissioned Officers (JCOs): 15% concession.

Senior Commissioned Officers (SCOs): 10% concession.

## General Terms and Conditions

**Students availing any form of scholarship, fee waiver, or concession must comply with the following requirements to maintain eligibility in the subsequent academic term or year. Failure to meet any of these conditions may result in disqualification from the granted benefit.**

Scholarships, fee waivers, or concessions will not be offered to any student who postpones or seeks deferment to the University's full- time programmes for any reason whatsoever. Students with any scholarship, Fee waiver, or concession must comply with the following requirements for continuance of scholarship in subsequent academic term / year. A breach of any of these conditions will result in disqualification and forfeiture of the benefit, and the student will be required to pay the applicable fees for the next academic year. The scholarship will be restored in subsequent term / year, depending on the fulfilment of the conditions stated below:

- i. The awardees' **attendance** in any course of study **shall not be less than 75%**.
- ii. Awardees **should pass the academic term/ year in the first attempt**.
- iii. The Awardee **must have minimum CGPA** as per below table:

Batch Size	Minimum CGPA			
	► Exemplary Merit Scholarship	► Distinguished Merit Scholarship	► Meritorious Grant ► Commendable Assistance Grant ► EWS Fee Waiver ► IEF Scholarship ► tKIS Scholarship	► Rising Talent Scholarship ► Scholarship for wards of Defence Personnel
≥ 300	7.5	7.3	7.2	7
≥ 60 and < 300	8	7.8	7.6	7.2
< 60	8.5	8.3	8	7.5

- iv. The awardees should have no adverse comments/grading on record from the disciplinary committee for any reason whatsoever.
- v. **No gap/break/grace mark** in semester whatsoever during the entire programme is permissible\*.
- vi. The awardees shall maintain high standards of conduct and behaviour and conform to the discipline of the NICMAR University, Pune as laid down in the 'Code of Conduct' of the NICMAR University, Pune.
- vii. In the event of admission cancellation, students are obligated to reimburse the entire fee waiver granted by the University up to the point of admission cancellation.

\* Exceptional cases like serious medical conditions, family emergencies, or other unforeseen circumstances etc. may be considered with subject to approval of Vice Chancellor.

## **1. Economically Weaker Section [EWS] Fee Waiver: Applicable for entire duration of the programme:**

### **100% Fee Waiver: Available for up to 5 Students.**

We are excited to introduce a merit-cum-means fee waiver opportunity for students with an annual family income of up to **Rs. 5 lakhs or less** belonging to the **Economically Weaker Sections (EWS)**. The scholarship entails a full programme fee waiver for up to 5 students based on their outstanding performance in the admission process. To qualify for this fee waiver, candidates should have 80% & above in SSC & HSC for UG programmes; and 80% & above in SSC, HSC and 60% & above in Graduation for PG programmes.

### **50% Fee Waiver: Available to the 10% of Approved Intake Students.**

These scholarships are awarded to 10% of students within the approved intake who are Economically Weaker encompassing individuals with an annual family gross income of up to Rs. 8 lakhs or less. If there are more than 10% of students who belong to EWS category, then this concession will be given on the basis of their merit.

PG Programmes	Maximum Eligible Students
MBA ACM	72
MBA PEM	12
M.TECH. IN CTM	6
M.TECH. IN IPM	3
MBA REUIM	12
MBA (NBS)	6
M.Plan	3
MBA ENS	6
MBA SEM	3
MBA FB & E	3
PGD QSCM	6
PGD RMCM	3
PGD AFM	3

UG Programmes	Maximum Eligible Students
B.Tech. in Civil	6
Integrated MBA (BBA + MBA)	6
B.Arch.	4

Aspirants need to undergo the admission process, which includes the NICMAR Common Admission Test (NCAT) or an equivalent score, and a Personal Interview (PI) or Counseling Session (for B.Arch.). Furthermore, they should qualify in the admission process according to the prescribed cut-off.

### **Eligibility Criteria:**

- Students whose family has gross annual income below Rs. 8.00 lakh\* (Rupees eight lakh only) are to be identified as EWSs for benefit of scholarship. Income shall also include income from all sources i.e., salary, wages, agriculture, business, profession, etc. for the financial year prior to first academic year.
- Also, student whose family owns or possesses any of the following assets shall be excluded from being identified as EWS, irrespective of the family income: -
  - a. 5 Acres of Agricultural land and above,
  - b. Residential flat of 1000 square feet and above,
  - c. Residential plot of 100 square yards and above in notified Municipalities and
  - d. Residential plot of 100 square yards and above in any other area.

- The property held by a “Family” in different locations or different places/cities would be clubbed while applying the land or property holding test to determine EWS status.
- The family for this purpose includes Self, Parents, Siblings below the age of 18 years, Spouse and children below 18 years.

**Procedure for scrutiny of application:**

- Income certificate issued by tehsil/collector will be collected.
- An affidavit will be taken from student applicants with respect to asset declaration. Additionally, asset verification will be done by a third-party agency.
- After scrutiny of documents, scholarship will be awarded on the basis of merit.

\* Rs. 5.00 lakh for 100% fee waiver criteria.

**2. “Rising Talent Scholarship”: Applicable for entire duration of the programme**

**Up to Rs. 20,000/- (Per Year) Programme Fee Relief for the 10% of Approved Intake Students through Extra-curricular / Co-curricular Accomplishments.**

- The “Rising Talent Scholarship” is designed to provide fee relief of up to Rs. 20,000/- per year for the entire duration of the programme at NICMAR University, Pune.
- This scholarship is exclusively accessible to the 10% of students within the approved intake who demonstrate exceptional accomplishments in extracurricular / co-curricular activities.
- The primary objective of this policy is to acknowledge and incentivize students who actively engage in and excel at extracurricular / co-curricular pursuits.
- The scholarship aims to contribute to a comprehensive and enriching educational experience by recognizing and rewarding exceptional accomplishments in extracurricular / co-curricular activities.

PG Programmes	Maximum Eligible Students
MBA ACM	72
MBA PEM	12
M.TECH IN CTM	6
M.TECH IN IPM	3
MBA REUIM	12
MBA (NBS)	6
M.Plan	3
MBA ENS	6
MBA SEM	3
MBA FB & E	3
PGD QSCM	6
PGD RMCM	3
PGD AFM	3

UG Programmes	Maximum Eligible Students
B.Tech. in Civil	6
Integrated MBA (BBA + MBA)	6
B.Arch.	4

**Eligibility:**

- Students who exhibit exceptional skills in extracurricular activities such as sports, fine arts, Performing Arts, Literary Competitions, Quizzes, Hackathons, or likewise are eligible to apply for these scholarships.

- Aspirants need to undergo the admission process, which includes the NICMAR Common Admission Test (NCAT) or an equivalent score, and a Personal Interview (PI) or Counseling Session (for B.Arch.). Furthermore, they should qualify in the admission process according to the prescribed cut-off.

#### **Details of Extracurricular / Co-curricular Activities:**

- Extracurricular / Co-curricular activities are often referred to as after-school activities that students participate in outside their regular academic curriculum. These include sports, fine arts, Performing Arts, Literary Competitions, Quizzes, Hackathons, and other pursuits that allow students to explore their interests and develop new skills.
- Engaging in such activities provides students with opportunities to enhance their social, physical, creative, and leadership abilities. Additionally, these endeavours hold substantial importance in college admissions, as they demonstrate a student's interests, dedication, and enthusiasm beyond their academic accomplishments.
- Extracurricular / Co-curricular activities are defined as activities that fall outside the regular academic curriculum but contribute to the overall development and well-rounded education of individuals.
- Activities can take place within or outside the university and include, but are not limited to:
  - Sports & Athletics**
    - Winning / Participating in Inter-school/ Inter-college/ Varsity/ Recognized Sports Associations / Federations Sports competitions
  - Arts & Culture**
    - Winning / Participating in drama, theatre, dance, singing, musical instrument, painting, drawing, pottery, sculpturing, etc.
    - Art exhibitions or gallery displays
  - Academic Competitions**
    - Winning / Participating in quizzes, debates, academic/research writing, composing poetries/stories etc.
    - Winning / participating in Research projects and presentations
    - Winning / participating in science fairs, innovation competitions, or Hackathons
  - Technology & Coding**
    - Coding competitions & hackathons.
  - Developing and implementing e-sports games. Winning and participating in software development/testing projects etc.

#### **Scholarship Selection Process:**

- Selection is based on a combination of academic achievements and demonstrated excellence in extracurricular activities.
- The 10% of students within the approved intake who meet the eligibility criteria will be considered. Students will have to apply for this scholarship.
- The Scholarship Committee will evaluate candidates based on their achievements/ involvement and impact in the specified extracurricular areas in last 3 years. Committee shall call for required evidences in form of certificates/ medals/ photographs during participation/ performances/ newspaper media archives etc.

#### **Combination of Activities:**

- The university may consider a combination of these activities when awarding scholarships to well-rounded individuals.
- The selection process aims to reward students who positively contribute to the campus community in various aspects.

#### **Criteria Alignment:**

- The university may specify certain criteria or focus areas aligned with its institutional values and goals.
- These criteria will be communicated transparently to applicants and considered during the scholarship selection process.

#### **Communication and Transparency:**

- All information regarding the "Rising Talent Scholarship" and the extracurricular activities policy will be communicated transparently to eligible students.
- Clear guidelines and instructions will be provided for the application process.

### **3. Scholarships Offered by Sponsors:**

#### **(i) International Education Foundation [IEF] Scholarship (for the students of minority community): Applicable for entire duration of the programme.**

International Education Foundation is **offering programme fee for the shortlisted students**, for the entire duration of the full time Post Graduate Programmes. This scholarship is available for the students of minority community, admitted to NICMAR University, Pune for the full-time programmes. The details are as follows:

- Scholarship is available for the students of minority community.**

*\*Subject to approval and as per the scholarship & selection policy of IEF.*

#### **(ii) thyssenkrupp Uhde India Private Limited\* Scholarship: Applicable for entire duration of the programme**

##### **• Scholarship for Special Category\*\* for SoEE Programmes**

###### **Criteria:**

- Scholarship for a **female candidate**.
- 100% programme fee waiver**
- Candidate must be from Economically Weaker Section.
- Having an Engineering degree (only) at Undergraduate (UG) level.

**This is applicable for Admission to School of Energy and Environment (SoEE) programmes ONLY:**

1. MBA in Sustainable Energy Management (first preference) or
2. MBA in Environmental Sustainability (second preference)

*\*Subject to approval and as per the scholarship & selection policy of thyssenkrupp Uhde India Private Limited.*

*\*\*As per thyssenkrupp Uhde India Private Limited policy.*

If the student is found to be meritorious and is able to clear thyssenkrupp Uhde India Private Limited selection requirements, she may be absorbed in thyssenkrupp Uhde India Private Limited upon successful completion of MBA programme. Scholarship is applicable only if the student clears exams as per the examination ordinance of NICMAR University, Pune.

### **4. Concession for wards of Defence personnel**

- Wards of Defence and Para-military personnel, both currently serving and retired, are eligible for this scholarship.**

*\* Limited to 1% of the total intake (at least 1).*

PG Programmes	Maximum Eligible Students
MBA ACM	7
MBA PEM	1
M.TECH IN CTM	1
M.TECH IN IPM	1
MBA REUIM	1
MBA (NBS)	1
M.Plan	1
MBA ENS	1
MBA SEM	1
MBA FB & E	1
PGD QSCM	1
PGD RMCM	3
PGD AFM	3

UG Programmes	Maximum Eligible Students
B.Tech. in Civil	1
Integrated MBA (BBA + MBA)	1
B.Arch.	1

The Defence Scholarship Opportunity is a programme designed to provide financial assistance for the education of wards (dependents) of currently serving and retired Defence and Para-military personnel. The concession offers varying percentages of financial support based on the rank of the personnel. The eligibility criteria and concession percentages are as follows:

- Non-Commissioned Officers (NCO's): Eligible candidates who are wards of NCOs can avail a 25% concession for their education.
- Junior Commissioned Officers (JCO's): Wards of Junior Commissioned Officers are eligible for a 15% concession to support their educational endeavors.
- Senior Commissioned Officers: Those who are dependents of Senior Commissioned Officers can benefit from a 10% concession to assist them in pursuing their education.

Applicants meeting the eligibility criteria are strongly encouraged to apply for this scholarship opportunity. The programme aims to empower and support the education of deserving individuals associated with the defence and para-military services. By taking advantage of this scholarship, eligible candidates can advance their education and contribute to their personal and professional development.

**The availability of this benefit is contingent upon meeting the specified conditions mentioned below.**

- Aspirants need to undergo the admission process, which includes the NICMAR Common Admission Test (NCAT) or an equivalent score, and a Personal Interview (PI) or Counseling Session (for B.Arch.). Furthermore, they should qualify in the admission process according to the prescribed cut-off.
- Selected candidates for the Outstanding Performance Scholarships **will receive an offer letter** for admission **based on their scholarship eligibility**.
- **First-Come-First Served Basis:** The scholarship will be awarded on a First Come-First Served basis, emphasizing the importance of prompt action by eligible students. Early applicants have a higher likelihood of securing this valuable financial assistance.

**Scholarship Disclaimer:**

- Valid scores of Entrance Exams (other than NCAT) must have been obtained after 1st July, 2025.
- Scholarships will be awarded based on the candidate's performance in entrance exams, prioritized in the following order:

For MBA Programmes: CAT, XAT, GMAT, NMAT, MH-CET, NCAT and MAT.

M.Tech. / M.Plan Programmes: GATE and NCAT.

Under-Graduate Programmes: JEE, SAT, IPMAT, MH-CET, and NCAT.

- All admissions and scholarships granted by the university are contingent upon approval by the Admissions/Scholarship Committee and the competent authority of the University.
- NICMAR University retains the right to modify any or all components of the aforementioned policy without prior notice. Additionally, the University reserves the right to amend the terms of the scholarship periodically without prior notification. All matters are subject to the jurisdiction of NICMAR University, Pune.

## **ACADEMIC REQUIREMENTS**

The curriculum is divided into two semesters. In each semester, there are theory subjects and workshop practices to get hands-on training.

### **i. Courses**

The semester-wise distribution of courses and workshops is indicated in Table 2. Typically, a course of two credits involves around 60 hours of work, out of which 30 hours are classroom contact hours and the rest is for preparation and assignments, as a self-learning.

### **ii. Software Courses**

Students should be proficient in computer applications for all aspects of their work. He/she should be familiar with MSOffice-Excel etc. He/she should be comfortable with the Internet and multimedia systems. Every student gets hands-on experience with the software. The skillful and creative application of tools and techniques of information technology and the use of computers in the practice of his/her profession are the trademarks of a NICMAR University graduate.

### **iii. Internship**

As part of the curriculum, each student has to undergo supervised field training of 12 credits during semester 2 with a ready-mix plant. Three-day Internship at the site and two-day classroom teaching/ or online sessions is offered to the students. During this period, they may be trained in ready-mix plant management practices such as planning, execution, progress assessment, site management, reporting, etc. The training being on the job, the student is also expected to perform specific regular duties on the project, which the respective organization may fit.

Organizations for practical training are carefully selected from among the reputed firms. A committee of students assists the University in arranging for their summer internship. At the end of the summer internship, students must submit a report and present it to the faculty assigned.

### **iv. Project Work**

Each student will work on a project and prepare a project report on a topic assigned to him/her. The project topics should be decided before the start of the second semester and approved by the University. This work will be done after class hours and is expected to take at least 120 hours. The project report is to be submitted by the end of the second semester.

## **PEDAGOGY**

NICMAR University believes that the method of instruction to maximize learning may vary from course to course. Therefore, it uses a host of pedagogical approaches in different courses, such as case studies, lectures, group and individual exercises, class projects and simulation of the business environment, to enrich the overall programme delivery. Site visits are organized as and when required.

## **ASSESSMENT AND EVALUATION**

The course assessment and evaluation comprise two parts:

The performance of the learners shall be evaluated through semester-end examination and internal assessment. The weightage for the same is given below (courses with L component).

**TABLE 1**

<b>Evaluation</b>	<b>Weightage (%)</b>
Internal Assessment.	50
Semester End Examination	50

## **AWARD**

Eligible students will be entitled to a postgraduate diploma in RMC upon successful completion of one year. Students need to fulfill all the requirements as per the University's academic regulations.

## **REGULAR TEACHING FACULTY**

Faculty is the foundation on which NICMAR University programs are designed to grow. Therefore, careful attention is paid to attracting the best talent from the academic world and the industry. Expert faculty members of the University teach the courses, eminent practicing managers from leading engineering and construction firms from all over the country, and visiting experts from Indian and foreign universities and international organizations.

## **STUDENT DEVELOPMENT**

NICMAR University has several schemes to provide full or partial financial support to various student activities. The University firmly believes that co-curricular and extracurricular activities significantly contribute to the all-round development of its students.

## **ABOUT NICMAR UNIVERSITY, PUNE**

NICMAR University, Pune is established under State Private University Act. (Government of Maharashtra Act. No. XXXVI of 2022). University is situated at Balewadi, 14 kilometres away from the Pune Central Railway Station and 7 kilometres from the Savitribai Phule Pune University and along the Mumbai-Bangalore expressway. It has over 4,71,853 square feet built up area and more 1,25,000 square feet area under construction on a 10-acre plot of land built using the latest materials and technologies and is equipped with state-of-the-art facilities. The campus buildings blend harmoniously with the landscaped greenery all around.

The University is having barrier-free environment for the independence, convenience and safety of all persons including people with disabilities. The physical infrastructure of the campus includes classrooms, seminar rooms, tutorial rooms, mini auditorium, workshops, engineering laboratories, student common room, multi-purpose hall, placement GD room, placement PI room, placement corporate room, faculty cabins, offices, placement office, student lounge, boys' and girls' hostels, executive hostel, warden and lady warden residence, a library with stack areas, reference section and documentation centre, scholar's cabins, computerised catalogues, inter-campus online library, computer centres, 24-hour internet and e-mail facility, a guest house, a modern and well-equipped kitchen, students, faculty and staff dining halls.

Other facilities include a photocopying centre, solar water heating, sewage treatment plant, vermiculture, rain water harvesting system, lift facilities for all hostels, cafeteria, generator backup to all the buildings, doctor, dispensary, first-aid kits, community hall, indoor and outdoor recreation infrastructure i.e., football ground, basketball court, tennis court, badminton court, volleyball court, gymnasium (separate for boys & girls), recreation hall with table tennis,

carrom boards, chess boards, T.V. with dish connection, students' parking facility (two wheeler), stationery and general store, xerox services, laundry facility, multipurpose open court (students' play area of 10000 sq.ft. approx.), auditorium having 1000 seating capacity, classroom, syndicate room, computer lab, amphitheatre, and basement parking etc. The campus is equipped with CCTV and round the clock security services.

## **ANTI-RAGGING POLICY OF NICMAR UNIVERSITY, PUNE**

As per the directives issued by the Hon'ble Supreme Court of India and the University Grants Commission (UGC), ragging is a cognizable and punishable offence and is totally banned in or out of the University. The University shall take necessary action in accordance with the UGC Regulations for Curbing the Menace of Ragging in Higher Educational Institutions, 2009, against those found guilty of ragging and/or abetting ragging, actively or passively, or being part of a conspiracy to promote ragging.

The University gives paramount importance to the safety and security of every student and follows a zero-tolerance policy against Ragging. Helpline Numbers: 020-66859248/9322069331/1800-180-5522. Any student found indulging in ragging or any related activity will be dealt with strictly by appropriate disciplinary action as prescribed under Clause 9 of the Anti-Ragging Regulation of UGC.

Please visit: <https://www.antiragging.in/> for UGC regulations against ragging.

## **SUPPORT SERVICES**

### **i. Department of Information Technology**

Computer centre at NICMAR University Pune, has sufficient number of computers with a state-of-the-art AR VR studio (Augmented Reality and Virtual Reality), Learning Management System(LMS), leading application packages like Microsoft Project Management, Oracle suite of Project Management packages including Contract Management, Enterprise Portfolio Project Management, Professional Project Management, and Contractor and Risk Analysis; Autodesk suite of Building Information Modeling comprising 24 software products including, AutoCAD, Revit, Navisworks, Infraworks etc.; Project Wise 365 and 15 software products from Bentley Systems India Pvt. Ltd., Risk Management Software packages including, @Risk, Evolver, Stat Tools, Top Rank, Neural Tools, Precision Tree, CANDY, Microsoft Dynamics ERP, Highrise Construction ERP; Orell Digital Language Software package is available for students to develop proficiency in English; TURNITIN for plagiarism check, Prochain for Critical Chain Project Management, VisiLean for Lean Construction & BIM Management, CalQuan for quantity calculation and cross section drawing for linear projects and HDM-4 for checking engineering and economic viability of road projects, etc.; Internet and e-mail facilities are to all students. The centres are open from 9.00 a.m. to 5.30 p.m. Students get hands on practice under the able guidance of qualified and experienced faculty members. The campus of NICMAR University at Pune is equipped with Video Conferencing System, interactive screens, Construction 4.0 lab and virtual classroom platforms such as MS Teams, Webex and Zoom to run online classes and other online activities. Biometric Attendance.

### **ii. Library**

The NICMAR University library is designed to support the students, faculty & research scholars. It is a specialized library in the area of Construction Management, Project Management, Real Estate Management & Infrastructure Development. In addition, the library provides knowledge resources in a variety of Management & Engineering subjects such as: Information Technology, Engineering, Environment, Social Sciences, all areas of Management, Smart Cities, Entrepreneurship, Architecture, Planning, Taxation, Law etc.

The library is the hub of the academic life of the NICMAR University campus. Housed in spacious halls on the first floor of academic block, the library is well stocked with textbooks, technical journals, periodicals and electronic resources. It holds a collection of more than 28000 titles, comprising over 25700 Books, Periodicals, Standards, Cases, Technical Notes, Bound Volumes of Periodicals, Theses & Audio-Visual Materials. It also subscribes to electronic resources which include Scopus – The Citation Database, PROQUEST ABI

Inform Complete (9800+ Titles), ASCE Journals (41 Titles), ASCE Proceedings (875 Titles), SCIENCEDIRECT – Business Management & Accounting (121 Journals), TAYLOR & FRANCIS Online (80 Journals), SAGE – Urban Studies & Planning (42 Journals), SAGE – Management (22 Journals), PROQUEST e-Book Central – Business & Engineering (68,500+ Books), ELSEVIER E-Books (155 Titles), PEARSON E-Books (54 Titles), and McGRAW HILL E-Books (35 Titles). Other titles include 'All India Reporter', 'Economic & Political Weekly' and Economic & Business databases of M/s CENTRE FOR MONITORING INDIAN ECONOMY (CMIE) including ProwessIQ, Industry Outlook, Economic Outlook, States of India and the CapEx. It also subscribes to the Anti-plagiarism software 'Turnitin – Originality Check' for the faculty.

### **iii. Internet and E-mail**

Dedicated 1+ Gbps Internet bandwidth for 24X7 is provided to students through Wired LAN & WiFi with a backup provision. Each student is provided with the University e-mail ID for academic communications alongwith Office 365 Access.

### **iv. Classrooms**

NICMAR University has large, medium and syndicate capacity classrooms which are well-equipped with public audio system, Interactive Display Panel, LCD projectors, computers with internet connections and are fully air-conditioned.

### **v. Extra-curricular Activities**

Students' training at NICMAR University, Pune goes beyond the confines of classroom and curriculum. In order to foster a holistic development of students, the University supports and encourages its students to plan, organise and participate in various co & extracurricular activities. The Student Council represents the general body of students and organises various techno-managerial, sports and cultural events, and celebrates all the major festivals throughout the year, involving the student clubs and student volunteers.

#### **Some salient features are as follows:**

- Well-equipped, state-of-the-art facilities exist for indoor and outdoor sports such as badminton, table tennis, basketball and football etc.
- Students are encouraged to participate in intra and inter-college co-curricular, cultural and sports competitions.
- Various intra and inter-college events like Udbhav, Sanskriti, Chakraview, Technikala, NICMAR Premier League, Spardha, E-Summit, Academic Conclave, and Reverbs, etc. are organised for the development of co & extra-curricular skills of students.
- Students also bring out in-house magazines, newsletters and similar publications.
- Students of NICMAR University pursue their varied hobbies and interests after academic hours through different special interest clubs actively functional on the campus. Various activities are organised by the Music club, Photography club, Dance club, Technical club, Movies and Dramatics club, Sports club, Literary club, R & D club, Start-up club, Design club and Fashion club throughout the year. All these clubs are managed by students.
- Separate well-equipped gymnasiums are available for girls and boys, assisted by qualified sports supervisors.
- An international sports stadium is just across the road and students can access swimming pools, gymnasiums, field tracks and other facilities on payment basis.

Thus, the University leaves no stone unturned to ensure that the students have a memorable and enriching campus life contributing to their all-round development.

## **NICMAR UNIVERSITY EDUCATIONAL LOAN PARTNERS**

The banks/financial organisations mentioned below offer educational loans to the students desirous of pursuing NICMAR University's programmes.

- **HDFC Credila Financial Services Ltd.** [Toll Free No.: 1800-209-3636/Ph. No.: 9765491467]
- **ICICI Bank** [Ph. No.: 8956019228 Or SMS ELOAN to 5676766]
- **Saraswat Co-operative Bank Ltd.** [Ph. No.: 020-27292957/58 OR Give a missed call on this number: 9029050027]
- **IDFC First Bank Ltd.** [Toll Free No.: 1860-500-9900/Ph. No.: 9096923798/9049873109]
- **State Bank of India, SPBB, Baner, Pune** [Email: sbi.13295@sbi.co.in]
- **Bank of Baroda** [Give a missed call on this number 8467001122 Or Toll free number 1800223344/45 Or Ph. No.: 7709977826/8007352007/9948505144]
- **Canara Bank** [Email: rahcopne@canarabank.com]
- **Bank of Maharashtra** [Ph.No.: 89992 15408/96232 93296/8888969602]
- **propelld** [Website: <https://www.propelld.com/>, Mr. Sagar Kaushik, Ph. No.: 8147495172]
- **kuhoo** [Website: <https://www.kuhoo.com/>, WhatsApp No.: 74000 03839, Ph.No.: 74000 03940]

Applicants may contact the branches of these banks/financial organisations for further details and information.

## **DISCIPLINE AND CODE OF CONDUCT**

Students shall be courteous and formal in conduct with faculty and staff at all times, failing which appropriate disciplinary action shall be taken against the erring student. A Code of Conduct for the students is issued at the time of admission and it is mandatory for all students to abide by.

**TABLE 2: PGD RMCM Program Structure**

<b>Course</b>		<b>L</b>	<b>T</b>	<b>P</b>	<b>Credits</b>
<b>Semester 1</b>					
1	Advances in Concrete Technology	2	0	0	2
2	Concrete Materials and Properties	1	1	0	2
3	RMC Plant and Machineries	1	1	0	2
4	Quality and Safety Management	2	0	0	2
5	Business Communication	0	0	1	1
6	Product Marketing and Strategies	1	0	0	1
7	Material Testing and Concrete Mix Design	0	0	1	1
8	Fundamentals of Mechanical & Electrical Systems	2	0	0	2
9	Human Resource Management	1	0	0	1
10	Project Work	0	0	6	6
<b>Semester-1 Total</b>		<b>10</b>	<b>2</b>	<b>8</b>	<b>20</b>
<b>Semester 2</b>					
1	Accounting and Cost Management	1	1	0	2
2	Sustainable Practices in RMC Production	2	0	0	2
3	Planning and Execution for RMC Applications	2	0	0	2
4	Production and Operation Management	2	0	0	2
5	IT Applications	1	0	1	2
6	Internship (Work-based learning)	0	0	12	12
<b>Semester -2 Total</b>		<b>8</b>	<b>1</b>	<b>13</b>	<b>22</b>
<b>Total Credits</b>		<b>18</b>	<b>4</b>	<b>22</b>	<b>42</b>

Note: Semester -2: Three-day Internship at the site and two-day classroom teaching/ or online sessions is offered to the students.

**Semester 1 Courses**  
**Advances in Concrete Technology (2 credits)**

**Objective:** This course aims to introduce students to state-of-the-art innovations and modern advancements in concrete technology to enhance the performance, durability, and sustainability of concrete structures.

**Syllabus Content:** Topics include high-performance concrete (HPC), ultra-high-performance concrete (UHPC), self-compacting concrete (SCC), self-healing concrete, and nanotechnology applications in concrete. It also covers advanced admixtures, fiber-reinforced concrete, and modern curing methods. Students will learn to apply these technologies to practical challenges in construction and infrastructure projects.

**Concrete Materials and Properties (2 credits)**

**Objective:** To develop a deep understanding of the materials used in concrete and their influence on concrete's mechanical, physical, and chemical properties.

**Syllabus Content:** This course covers the types of cements, aggregates, and supplementary cementitious materials (SCMs) like GGBS, fly ash, and silica fume. Rheology and workability, setting time, and strength development of concrete are explored in detail, along with an emphasis on durability factors like permeability, corrosion resistance, and sulfate attack.

### **RMC Plant and Machineries (2 credits)**

Objective: To equip students with knowledge of plant operations, machinery, and technology used in ready-mix concrete production.

Syllabus Content: This course examines batching plants, their components, automation systems, and the technology used for material handling and storage. Topics include weigh batching, conveyors, mixers, concrete transportation systems, and maintenance schedules to ensure efficient plant operation.

### **Quality and Safety Management (2 credits)**

Objective: To instill the importance of quality control and safety practices in RMC production and ensure compliance with industry standards.

Syllabus Content: Topics include statistical quality control methods, on-site testing procedures, and ISO standards for quality and safety. Risk assessment, hazard identification, and mitigation strategies are emphasized, alongside case studies of safety incidents and lessons learned.

### **Business Communication (1 credit)**

Objective: Develop effective communication skills for professionals working in the RMC industry, focusing on business and interpersonal communication.

Syllabus Content: The course includes professional writing (emails, reports, proposals), verbal communication techniques, presentation skills, conflict resolution, and negotiation strategies tailored to business scenarios.

### **Product Marketing and Strategies (1 credit)**

Objective: Introduce marketing principles and strategies to position RMC products effectively in competitive markets.

Syllabus Content: This course covers fundamentals of marketing, customer segmentation, branding, and creating competitive strategies. Students will learn pricing models, market research methods, and developing promotional campaigns specific to RMC products.

### **Material Testing and Concrete Mix Design (1 credit)**

Objective: Provide hands-on experience in testing materials and designing concrete mixes to meet specific performance requirements.

Syllabus Content: Laboratory testing of aggregates, cement, and fresh concrete properties. Principles of mix design (IS, ACI, and BS methods), trial batching, and optimization techniques for strength, durability, and workability are explored.

### **Fundamentals of Mechanical & Electrical Systems (2 credits)**

Objective: Impart basic knowledge of mechanical and electrical systems used in RMC plant operations to ensure smooth functioning and maintenance.

Syllabus Content: This course covers the working principles of pumps, motors, compressors, and conveyors. It includes electrical control systems, circuits, and troubleshooting techniques for machinery commonly used in RMC production.

### **Human Resource Management (1 credit)**

Objective: To develop an understanding of managing human resources effectively in the RMC industry to optimize productivity and workplace harmony.

Syllabus Content: Workforce planning, recruitment, and retention strategies are covered, along with training, performance appraisal systems, and leadership development. It also includes insights into conflict resolution and team-building exercises.

### **Project Work (6 credits)**

Objective: Allow students to apply their knowledge to real-world problems and projects related to the RMC industry.

Syllabus Content: Students identify industry challenges, conduct research, analyze data, and develop innovative solutions. They prepare detailed project reports and present findings, simulating real-life professional scenarios.

## **Semester 2 Courses**

### **Accounting and Cost Management (2 credits)**

Objective: Introduce students to financial and cost management concepts essential for efficient RMC operations.

Syllabus Content: Topics include the basics of accounting principles, cost analysis, budget preparation, cost control measures, and profitability optimization. Real-life case studies help students relate theoretical knowledge to practical financial decision-making in RMC operations.

### **Sustainable Practices in RMC Production (2 credits)**

Objective: To educate students on eco-friendly and sustainable practices in RMC production to minimize environmental impact.

Syllabus Content: Recycling concrete waste, using industrial by-products, energy-efficient processes, and reducing carbon footprints are explored. The course emphasizes regulatory frameworks and green certifications like IGBC or LEED.

### **Planning and Execution for RMC Applications (2 credits)**

Objective: Teach students the skills required to plan, execute, and manage RMC applications in construction projects efficiently.

Syllabus Content: Topics include project scheduling, logistics, resource allocation, and on-site quality assurance. Case studies of successful RMC applications and common challenges in execution are discussed.

### **Production and Operation Management (2 credits)**

Objective: Equip students with skills to manage production and operational processes in RMC plants effectively.

Syllabus Content: Production planning, lean manufacturing, workflow optimization, and process improvement are included. The course highlights the role of technology and analytics in optimizing operations.

### **IT Applications (2 credits)**

Objective: Familiarize students with the use of IT tools and software for streamlining RMC operations and project management.

Syllabus Content: Topics include ERP systems, inventory management software, data analytics for production monitoring, and tools for scheduling and reporting. The practical component involves working with industry-standard IT tools.

### **Internship (Work-Based Learning) (12 credits)**

Objective: Provide real-world exposure to RMC operations, enhancing students' practical knowledge and industry readiness.

Syllabus Content: Students undergo internships at RMC plants, gaining insights into daily operations, problem-solving, and quality assurance. They are required to document their learning and present an internship report summarizing their experience.

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