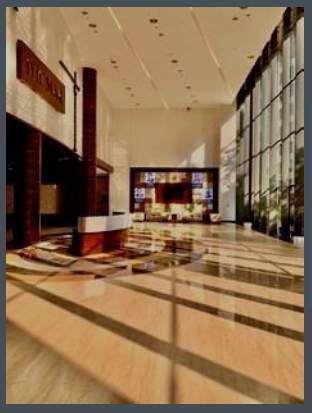
NICMAR UNIVERSITY

School of Engineering

# B.Tech. in Civil Engineering
# Programme Brochure 2027-2031









# NICMAR University, Pune

## School of Engineering

NICMAR
UNIVERSITY

# B.TECH. IN CIVIL ENGINEERING

**Programme Brochure**
**(2027-2031)**

# B.TECH. (CIVIL ENGINEERING)

## INTRODUCTION

B.Tech. in Civil engineering at NICMAR University will certainly aid the future construction industry with a multidisciplinary industry-ready undergraduate programme focusing on sustainability and digitalization of the built environment. In order to do so a wide range of courses aims at present and future state of art technologies to provide knowledge in the areas of civil engineering.

The unique curriculum of the programme transcends the boundaries of engineering education and aims to empower students with the basic skills required to lead the construction industry in the modern era. It has been designed to encourage creative and analytical thinking coupled with the zeal for innovation and to foster technical skills contributing to students' overall personal and professional development.

### Vision

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

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.

## PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

**PEO1.** To incorporate the skills required to design and execute complex infrastructure projects with professionalism and ethics.

**PEO2.** To enable the students to solve technological and managerial challenges in a built environment successfully.

**PEO3.** Foster the ability to pursue higher education, conduct research, and engage in a process of lifelong learning to remain active professionals.

**PEO4.** To inculcate the skills of digital tools for providing an effective solution to upcoming challenges in the construction industry.

## PROGRAMME OUTCOMES (POs)

**PO1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO2. Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO3. Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.

**PO4. Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**PO5.** M**odern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

**PO6. The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

**PO7**. **Environment and sustainability:** Understand the impact of professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

**PO8**. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**PO9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**PO10**. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

**PO11**. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**PO12**. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

**PO13.** Demonstrate the ability and sound knowledge of digital tools and advancements for effective construction.

**PO14.** Demonstrate the ability and sound knowledge of construction project management to reduce cost and time overrun issues.

## PROGRAMME HIGHLIGHTS

- Holistic course curriculum with immersive pedagogy and internships with industry interface.
- Ability enhancement through immersion programmes and projects.
- Methodical exposure to domains of civil engineering along with science & technology, humanities
- Exposure to multiple industrial sectors.
- Eight tracks of civil engineering application-oriented specializations offered throughout 4 years:
  1. Digitalization in the Construction Industry
  2. Construction Engineering & Management
  3. Structural Engineering
  4. Transportation Engineering
  5. Geotechnical Engineering
  6. Environmental Engineering
  7. Hydraulics
  8. Hydrology & Water Resources Engineering

The first year's curriculum includes courses, from different areas such as Basic science, Engineering science, and humanities to improve students' understanding of key aspects of Engineering and humanities.

In the second, third, and fourth years, the curriculum comprises courses in the major domains of civil engineering. Also, students have the opportunity to choose different tracks during 3$^{rd}$ and 4$^{th}$ years of engineering in the areas of Construction Engineering & Management, Structural Engineering and Transportation Engineering.

A total credit of 173 for a student to be eligible to get Under Graduate degree in Engineering. A student will be eligible to get Under Graduate degree with Honours or an additional Minor in engineering if he/she completes an additional 18-20 credits. These could be acquired through MOOCs/University offered classes.

## DURATION AND ORGANISATION

The programme duration is of four years. It is organized into eight semesters with suitable breaks. Each Semester is devoted to classroom learning, acquiring hands-on experience in practice workshops, and developing a passion for research and innovation through projects. After the completion of eight semesters, the student will be awarded a B.Tech. degree.

# B.Tech. Civil Engineering — Syllabus Structure

School of Engineering | 2027 | Total Credits: 173

## First Year

### Semester 1 · 21.5 credits

- Fundamental of Engineering Mathematics
- Engineering Chemistry
- Engineering Graphics
- Basic and Sustainable Construction Materials
- Elements of Electrical and Electronics Engineering
- Communication Skills
- Engineering Chemistry Lab
- Engineering Graphics Lab
- Elements of Electrical and Electronics Engineering Lab
- Basic Workshop Practices
- Communication Skills Workshop
- NSS / Social Immersion

### Semester 2 · 22 credits

- Advanced Engineering Mathematics
- Engineering Physics
- Elements of Mechanical Engineering
- Engineering Mechanics
- Indian Knowledge System
- Biology for Engineers
- Constitution of India
- Modern Indian / Foreign Language
- Yoga / Sports / Performing Arts
- Applied Mechanics Lab
- Construction Practices Workshop
- Workplace Digital Skills
- *Choice-based 2–3 Weeks Industry Exposure / Internship during Summer Vacation*

## Second Year

### Semester 3 · 21.5 credits

- Numerical Methods with Programming Applications
- Building Construction
- Fluid Mechanics
- Concrete Technology
- Strength of Materials
- Environmental Studies
- Design Thinking
- Building Planning and Drawing Lab
- Fluid Mechanics Lab
- Concrete Technology Lab
- Mathematics-1 (for Lateral Entry students)

### Semester 4 · 22 credits

- Surveying and Geomatics
- Structural Analysis
- Soil Mechanics
- Highway Engineering
- Environmental Engineering
- Introduction to Python Python Lab
- Surveying and Geomatics Lab
- Soil Mechanics Lab
- Highway Engineering Lab
- Environmental Engineering Lab
- Mathematics-2 (for Lateral Entry students)
- *2–3 Weeks Industry Exposure / Internship during Summer Vacation*

## Third Year

### Semester 5 · 22 credits

- Engineering Management
- Advanced Structural Analysis
- Design and Drawing of RCC Structures
- Foundation Engineering
- Transportation Engineering
- Human Values, Ethics, Law, and Professional Practice
- Psychology for Engineers
- Fundamentals of AI and IOT
- Engineering Management Lab
- Structural Analysis Software Lab
- Design and Drawing of RCC Structures Lab

### Semester 6 · 22 credits

- Quantity Surveying and Contracts
- Design and Drawing of Steel Structures
- Hydrology and Water Resource Engineering
- Leadership and Entrepreneurship
- Research Methodology
- **Elective-I**
  - *Modern Construction Practices*
  - *Prestressed Concrete*
  - *Traffic Engineering and Management*
- **Open Elective-I**
  - *Risk Management*
  - *Supply Chain Management*
  - *Optimization Techniques in Engineering*
- Quantity Surveying and Contracts Lab
- Design and Drawing of Steel Structures Lab
- Minor Project
- *2–3 Weeks Industry Exposure / Internship during Summer Vacation*

## Fourth Year

### Semester 7 · 22 credits

- Earthquake Engineering and Structural Dynamics
- Financial Management for Engineers
- Structural Health Monitoring
- **Elective-II**
  - *Contracts & Tenders*
  - *Concrete Composites*
  - *Metro Systems and Engineering*
- **Elective-III**
  - *Building Information Modelling*
  - *Finite Element Method*
  - *Ports and Harbours*
- **Elective-IV**
  - *AI and Robotics in Construction*
  - *Advanced Design of RCC*
  - *Urban Transportation Planning and Systems*
- **Elective-V**
  - *Construction Quality and Safety Management*
  - *Pre-engineered Structures*
  - *Road Safety Engineering*
- Earthquake Engineering and Structural Health Monitoring Lab
- Major Project Work

### Semester 8 · 20 credits

- **Elective-VI**
  - *Construction Methods and Equipment*
  - *Design of Advanced Infrastructure Elements*
  - *Airport Planning and Design*
- **Open Elective-II**
  - *Business Development*
  - *Managerial Economics*
  - *Valuation of Properties*
- **Open Elective-III**
  - *Organizational Behaviour & Human Resource Management*
  - *Project Formulation & Appraisal*
  - *Environment and Sustainability*
  - *Disaster Management*
- Internship

In addition to the above courses, students also have the opportunity to pursue a **Minor** in **Management** and **Building Services**,**)** starting from the second year. To earn a minor, students are required to acquire **18 credits** through a combination of **online and/or offline modes** as per the **University's prescribed course structure**. This flexibility allows students to broaden their interdisciplinary knowledge and enhance their professional competencies in emerging and industry-relevant domains.

## ELIGIBILITY

### Eligibility & Selection Criteria

I. Candidate Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical Vocational subjects, or Computer Science or Information Technology or Informatics Practices or Agriculture or Engineering Graphics or Business Studies or Electronics or Entrepreneurship and obtained at least 45% marks (at least 40% marks, in case of Backward class categories, Economically Weaker Section and Persons with Disability candidates)..

II. Passed three years of D. Voc. Stream in the same or allied sector.

III. Passed a minimum 3 years Diploma in Engineering and Technology and obtained at least 45% marks (at least 40% marks, in case of Backward class categories Economically Weaker Section (EWS) and Persons with Disability candidates).

### Nationality

The applicant should be a Resident / Non-Resident Indian National / PIO / OCI.

### Age limit

No age limit applicable.

### Qualifying examination

Applicants applying for UG Engineering admission should have either completed or shall be appearing in 2027, in any one of the following qualifying examinations:

### Indian Nationals

a) Final examination of the 10+2 system of Higher Secondary Examination conducted by the State Board, Central Board of Secondary Education (CBSE, New Delhi), The Council for Indian School Certificate Examination (ISCE), New Delhi.

b) Candidate should have obtained at least 45% marks (at least 40% marks, in case of Backward class categories, Economically Weaker Sections, and Persons with Disability candidates) in the subjects taken with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical Vocational subjects, or Computer Science or Information Technology or Informatics Practices or Agriculture or Engineering Graphics or Business Studies.

c) Passed 3 years of Diploma in Engineering and Technology and obtained at least 55 % marks (at least 50 % marks, in case of Backward class categories Economically Weaker Section (EWS) and Persons with Disability) (For Direct second year)

### NRI/OCI/PIO, Children of Indian workers in Gulf Countries (CIWGC), Foreign National (FN) Candidates

The candidate should have passed the HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical Vocational subject or Computer Science or Information Technology or Informatics Practices or Agriculture or Engineering Graphics or Business Studies or Electronics or Entrepreneurship and obtained at least 55% marks in the above subjects taken together.

## 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:**

**UG Programmes: ₹ 2,000/-**

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. The application fees are non-refundable.

## SELECTION PROCEDURE FOR UG PROGRAMMES

Applications are scrutinized and eligibility is established on the basis of the documents submitted. Eligible candidates will be invited to appear for the selection procedure, which comprises of Undergraduate NICMAR Common Admission Test (UG-NCAT) and Personal Interview (PI).

| Details | Total Marks | Weightage |
|---|---|---|
| **Under Graduate NICMAR Common Admission Test (UG-NCAT)**<br>a) English Language<br>b) Quantitative Aptitude<br>c) Test of Reasoning<br>d) General Knowledge | **100 marks**<br>25 marks<br>25 marks<br>25 marks<br>25 marks | **60%** |
| **Personal Interview (PI)** | **50 marks** | **40%** |
| **Merit Assessment Score** | **150 Marks** | **100%** |

Valid equivalent scores of SAT / UGAT / IPMAT (IIM Indore) / CUET UG will be considered as an alternative for UG-NCAT for Integrated MBA (BBA + MBA) programme.

For B.Tech. in Civil Engineering, valid equivalent scores of JEE / SAT / MH CET / PERA / CUET UG / Other States CET will be considered as an alternative for UG-NCAT.

For candidates appearing in NCAT & other additional entrance exams (as mentioned above), the highest score between these exams will be considered for final merit.
Selection of candidates is done based on merit. Eligible candidates shall be considered for programme allocation based on their Merit Assessment Scores and the applicable Merit Assessment Score cut-offs approved by the admission committee.

## 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% |
| **Total** | **50.0%** |

## 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

| Sr. No | Description ₹ | Tuition Fee ₹ | Development Fee ₹ | Programme Fee (Tuition Fee + Developme nt Fee) ₹ | Security Deposit (Refund able) ₹ | Total ₹ |
|---|---|---|---|---|---|---|
| 1 | 1st Instalment (At the time of admission) | ₹ 1,41,400 | ₹ 21,100 | ₹ 1,62,500 | ₹ 10,000 | ₹ 1,72,500 |
| 2 | 2nd Instalment (within 7 days of the commencement of semester II) | ₹ 1,41,400 | ₹ 21,100 | ₹ 1,62,500 | | ₹ 1,62,500 |
| 3 | 3rd Instalment (within 7 days of the commencement of semester III) | ₹ 1,41,400 | ₹ 21,100 | ₹ 1,62,500 | | ₹ 1,62,500 |
| 4 | 4th Instalment (within 7 days of the commencement of semester IV) | ₹ 1,41,400 | ₹ 21,100 | ₹ 1,62,500 | | ₹ 1,62,500 |
| 5 | 5th Instalment (within 7 days of the commencement of semester V) | ₹ 1,41,400 | ₹ 21,100 | ₹ 1,62,500 | | ₹ 1,62,500 |
| 6 | 6th Instalment (within 7 days of the commencement of semester VI) | ₹ 1,41,400 | ₹ 21,100 | ₹ 1,62,500 | | ₹ 1,62,500 |
| 7 | 7th Instalment (within 7 days of the commencement of semester VII) | ₹ 1,41,400 | ₹ 21,100 | ₹ 1,62,500 | | ₹ 1,62,500 |
| 8 | 8th Instalment (within 7 days of the commencement of semester VIII) | ₹ 1,41,400 | ₹ 21,100 | ₹ 1,62,500 | | ₹ 1,62,500 |
| Grand Total | | | | | | ₹ 13,10,000 |

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

### TUITION FEES AND OTHER CHARGES

The Programme Fee includes classroom teaching, programme-related workshops, examinations, evaluation, project work, assessments, library facilities and Students' Welfare Fund. Group Personal Accident Insurance and Group Mediclaim coverage are provided to all students, subject to the respective insurance policy terms and conditions.

A refundable **Security Deposit of ₹10,000/-** shall be payable at the time of admission and refunded upon completion of the programme, after adjustment of any outstanding dues.

### FEE PAYMENT TERMS AND CONDITIONS

**1. First Instalment (At the Time of Admission)**

The first instalment of the Programme Fee and other applicable charges must be paid within the deadline specified in the Admission Offer Letter. Failure to do so may result in cancellation of admission.

**2. Second and Subsequent Instalments**

Subsequent instalments of the Programme Fee and other applicable dues must be paid as per the Fee Demand Notice issued by the University at least 45 days before commencement of the semester.

The Due Date for payment shall ordinarily be 14 days before commencement of the semester.

**3. Late Payment Fine**

Payments made after the Due Date during the Grace Period shall attract the following Late Payment Fine:

| Period of Delay | Late Payment Fine |
|---|---|
| 0–5 days | ₹1,000/- |
| 6–10 days | ₹2,500/- |
| More than 11 days | ₹5,000/- |

The Grace Period extends from the day following the Due Date until the day before commencement of the semester.

**4. Semester Registration**

Semester Registration requires submission of an undertaking signed by the student and parent/guardian. Registration is confirmed only upon payment of the prescribed fees.

Failure to complete Semester Registration within the Grace Period may result in a Semester Drop. The dropped semester shall count towards the maximum permissible programme duration. Hostel facilities shall not be provided during the dropped semester.

**5. Scholarships and Financial Hardship**

Students affected by changes in scholarship continuation or discontinuation status may be granted 30 days to clear the resulting outstanding dues.

Requests for relaxation on genuine financial hardship grounds shall be considered individually, subject to approval by the competent authority.

**6. Clearance of Outstanding Dues**

Non-payment of outstanding fees, penalties and other applicable dues may result in restrictions on academic and administrative services, including withholding of results, transcripts and degree certificates, as per University policy.

**Note:** All matters relating to Programme Fee, payment schedules, Semester Registration, Late Payment Fine and Outstanding Dues shall be governed by the approved policies and regulations of NICMAR University, Pune, as amended from time to time and communicated through official University channels.

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 18.07.2027 |
| (2) | 90% | Less than 15 days before the formally-notified commencement of the academic session. | 19.07.2027 to 01.08.2027 |
| (3) | 80% | 15 days or less after the formally-notified commencement of the academic session. | 02.08.2027 to 17.08.2027 |
| (4) | 50% | 30 days or less, but more than 15 days, after the formally-notified commencement of the academic session. | 18.08.2027 to 01.09.2027 |
| (5) | 0% | More than 30 days after the formally-notified commencement of the academic session. | 02.09.2027 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

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 (₹ 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 1: Hostel Accommodation and Food charges are inclusive of all taxes applicable.

**Note 2: The charges mentioned above are indicative of the current academic year and are subject to change. The final applicable rates will be communicated to students during the admission process.**

## 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.

**The brief details of Merit Scholarship categories are provided below:**

1. **"Outstanding Performance Scholarships": Applicable for entire duration of the programme:**
   - **A. "100% Scholarship Under the Exemplary Merit Scholarship": Available to the 2% of Approved Intake Students (at least 1 student).**
     **100% scholarship** throughout the entire duration of the programme, exclusively accessible to the **2**% of students within the approved intake. *The availability of this benefit is contingent upon meeting the specified conditions outlined in the respective policy.*
   - **B. "75% Scholarship Under the Distinguished Merit Scholarship": Available to the 3% of Approved Intake Students (at least 1 student).**
     **75% scholarship** throughout the entire duration of the programme, exclusively accessible to the **3**% of students within the approved intake. *The availability of this benefit is contingent upon meeting the specified conditions outlined in the respective policy.*
   - **C. "25% Scholarship Under the Meritorious Grant": Available to the 5% of Approved Intake Students.**
     **25% scholarship** throughout the entire duration of the programme, exclusively accessible to the **5**% of students within the approved intake. *The availability of this benefit is contingent upon meeting the specified conditions outlined in the respective policy.*
   - **D. "5% Scholarship Under the Commendable Assistance Grant": Available to the 30% of Approved Intake Students.**
     **5%** programme fee waiver throughout the entire duration of the programme,

exclusively accessible to **30%** of students within the approved intake. *The availability of this benefit is contingent upon meeting the specified conditions outlined in the respective policy.*

2. **"Economically Weaker Section* [EWS] Fee Waiver": Applicable for entir e 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% 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.*

3. **"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.**

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.*

4. **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.*

5. **Concession for wards of Defence Personnel: Applicable for entire duration of the programme:** ** Limited to 1% 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 Scholarship Commendable Assistance Grant 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. "Outstanding Performance Scholarships":

**A. "100% Scholarship Under the Exemplary Merit Scholarship": Available to the 2% of Approved Intake Students (at least 1 student) - Applicable for entire duration of the programme**

**B. "75% Scholarship Under the Distinguished Merit Scholarship": Available to the 3% of Approved Intake Students (at least 1 student) - Applicable for entire duration of the programme**

**C. "25% Scholarship Under the Meritorious Grant": Available to the 5% of Approved Intake Students - Applicable for entire duration of the programme**

**D. "5% Scholarship Under the Commendable Assistance Grant": Available to the 30% of Approved Intake Students - Applicable for entire duration of the programme**

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

- **Eligibility is determined by exceptional performance as per the details mentioned in the respective policy.**
- 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.**
- **Exclusive Opportunity:** The scholarship is exclusively accessible to 2% (for A), 3% (for B), 5% (for C), 30% (for D) of students within the approved intake. This exclusivity enhances the prestige and value of the scholarship, making it a coveted opportunity and it cannot be clubbed with each other and/or any other scholarships declared.
- **Financial Pre-requisites for Eligibility:** To qualify for the Outstanding Performance Scholarships and have the programme fee waived, students meeting the criteria must submit the first installment of the programme fee as per the offer letter. This requirement ensures commitment from the student and facilitates the efficient processing of the scholarship.
- **First Come-First Served Basis (A, B, C & D):** 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. If scholarships remain unclaimed or seats fall vacant due to cancellations within a specific criterion, such vacant scholarship seats shall be re-allotted strictly on the basis of the chronological order of receipt of the 1st instalment of fees, subject to the fulfilment of the required eligibility criteria for the respective scholarships.

**A. "100% Scholarship Under the Exemplary Merit Scholarship": Available to the 2% of Approved Intake Students (at least 1 student).**

| UG Programme | Maximum Eligible Students | Cutoff Score / Percentile for Respective Entrance Exam | | | |
|---|---|---|---|---|---|
| | | JEE Main | MHT-CET | SAT | NCAT |
| B.Tech. in Civil | 2 | ≥87 | ≥88 | ≥1300 | ≥90 |

*Note: If the quota for candidates eligible for a 100% fee waiver has been reached, further eligible candidates will be considered for scholarships in the subsequent category due to limited availability of scholarship seats.*

**B. "75% Scholarship Under the Distinguished Merit": Available to the 3% of Approved Intake Students (at least 1 student).**

| UG Programme | Maximum Eligible Students | Cutoff Score / Percentile for Respective Entrance Exam | | | |
|---|---|---|---|---|---|
| | | JEE Main | MHT-CET | SAT | NCAT |
| B.Tech. in Civil | 3 | ≥86 | ≥87 | ≥1250 | ≥88 |

*Note: If the quota for candidates eligible for a 75% fee waiver has been reached, further eligible candidates will be considered for scholarships in the subsequent category due to limited availability of scholarship seats.*

**C. "25% Scholarship Under the Meritorious Grant Scholarship": Available to the 5% of Approved Intake Students**

| UG Programme | Maximum Eligible Students (both categories) | Cutoff Score / Percentile for Respective Entrance Exam | | | |
|---|---|---|---|---|---|
| | | JEE Main | MHT-CET | SAT | NCAT |
| B.Tech. in Civil | 5 | ≥84 | ≥85 | ≥1200 | ≥85 |

**OR**

***Candidates having minimum 80 percent and above in Grade 10 and Grade 12 / Diploma are also eligible for "Meritorious Grant Scholarship"***

*Note: If the quota for candidates eligible for a 25% fee waiver has been reached, further eligible candidates will be considered for scholarships in the subsequent category due to limited availability of scholarship seats.*

**D. "5% Fee Waiver Under the Commendable Assistance Grant": Available to the 30% of Approved Intake Students**

| UG Programme | Maximum Eligible Students | Cutoff Score / Percentile for Respective Entrance Exam | | | |
|---|---|---|---|---|---|
| | | JEE Main | MHT-CET | SAT | NCAT |
| B.Tech. in Civil | 27 | ≥82 | ≥83 | ≥1100 | ≥83 |

**OR**

***Candidates having minimum 75 percent and above in Grade 10 and Grade 12 / Diploma are also eligible for "Commendable Assistance Grant".***

## 2. 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.

| UG Programmes | Maximum Eligible Students |
|---|---|
| B.Tech. in Civil | 9 |

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.

## 3. “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.

| UG Programmes | Maximum Eligible Students |
|---|---|
| B.Tech. in Civil | 9 |

**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
    - O Winning / Participating in Inter-school/ Inter-college/ Varsity/ Recognized Sports Associations / Federations Sports competitions
  - Arts & Culture
    - O Winning / Participating in drama, theatre, dance, singing, musical instrument, painting, drawing, pottery, sculpturing, etc.
    - O Art exhibitions or gallery displays
  - Academic Competitions
    - O Winning / Participating in quizzes, debates, academic/research writing, composing poetries/stories etc.
    - O Winning / participating in Research projects and presentations
    - O Winning / participating in science fairs, innovation competitions, or Hackathons
  - Technology & Coding
    - O Coding competitions & hackathons.
    - O 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.

## 4. 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.

## 5. 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).*

| UG Programmes | Maximum Eligible Students |
|---|---|
| B.Tech. in Civil | 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 organised into eight semesters. A student will need to complete 173 credits to complete the B.Tech. in Civil Engineering Programme. The semester-wise distribution of courses is indicated in Table 1.

### i. Types of Courses

The curriculum includes various courses from different areas according to NEP guidelines such as Basic Science, Engineering Science, Civil Engineering, and Humanities to improve students' understanding of key aspects of Engineering along with equipping them with basic and advanced domain-specific courses. The courses are divided into various categories to ensure the all-round development of the students and provide adequate breadth and depth of knowledge. The courses are divided into categories such as Basic Science Course, Engineering Science Course, Programme Core Course, Programme Elective Course, Multidisciplinary, Open Elective, Vocational and Skill, Ability EC, SEC, Indian Knowledge System, Value Education Course, Research Methodology, Communication English, Project/Field Project, Project, Internship/ OJT, Co-curricular Courses as part of the curriculum to truly inculcate the habit of Self-learning. Depending on the type of the course, the total credits in the courses are further classified in Lecture (L), Tutorial (T), and Practical (P). In the lecture sessions, the students are familiarized with concepts and knowledge pertaining to the course. The tutorial components aid the students in better understanding of the concepts through problem-solving, case analysis, or hands-on practice. The practical component is designed for exclusive hands-on training.

The instructors are well trained to impart education using traditional and innovative pedagogical methods like hands-on training, Case Analysis, Team building exercises, peer-to-learning, flipped classrooms and presentations, etc.

#### a. Basic Science Courses (BSC)

These are the subjects mainly from Basic science areas to provide students with the foundation

knowledge required to excel in engineering professional.

**b. Programme Core Courses (PCC)**

These are the subjects that focus on building the foundations for holistic development and the core domains of civil engineering. These subjects will provide the students with a complete understanding of the analysis, design, and construction process across various civil engineering domains coupled with techniques and tools for better analysis and understanding.

**c. Engineering Science Courses (ESC)**

This set of courses will enable the students to cultivate skills in other branches of engineering which requires them to become holistic paraprofessionals in the civil engineering domain.

**d. Programme Core Elective (PCE)**

These electives are designed to provide the students with depth knowledge of civil engineering domains or specialized in three tracks to become expert professionals in their careers.

**e. Open Course Elective (OCE)**

These electives are offered across different programmes of NICMAR University and are designed to empower the students with advanced skills and knowledge to excel in their careers.

**f. Humanities and Social Sciences including Management Courses (HSM)**

This liberates the course from the traditional assessment structure of grading and brings in better learning.

**ii. Project Work**

A student has to start his project work from 7$^{th}$ semester and perform through the entire 7th semester. The student is expected to work on a problem to apply the knowledge acquired during their study. The student will be allotted a Guide by NICMAR University. If the student chooses to have an external guide or mentor from outside, NICMAR University will nominate one of the internal faculty members as a co-guide.

**iii. Internship**

As part of the curriculum, each student has to undergo supervised field training with reputed organizations. During this period, they may be trained in any domain or function of Civil Engineering. Organizations for internship are carefully selected from among the reputed firms. Based on their performance, students may receive Pre-Placement Offers (PPO). Alternatively, students may opt for working on assignment-based project topic under the guidance of a faculty member. Students will be required to submit a report of their internship and make a presentation on the same.

## FACULTY

Faculty is the foundation on which NICMAR University programmes are designed to grow. Therefore, careful attention is paid to attracting the best talent from the academic world as well as industry. The courses are taught by expert faculty members of the University, eminent professionals from the industry from all over the country, and visiting experts from Indian and foreign universities as well as international organizations

### ASSESSMENT

### Course Examination

Typically, course examination comprises two parts: Term end examination and Internal assessment. However, depending on the nature of the course, certain courses will be evaluated completely on the basis of Continuous Internal Assessments.

### Examinations Scheme

The weightage for internal and term end examinations for a course will be 50% and 50% respectively for all programmes of the university. The term end examination for all programmes will be of 50 marks and for a duration of two hours. Separate passing shall be applicable with a minimum 40% in each assessment. The examination scheme may vary as per the guidelines of the regulatory body, if any. The backlog courses examination scheme shall remain as per the previous examination ordinances/ rules/ regulations for candidates admitted thereafter.

**a) Internal Assessment (IA)**

Internal assessment is the continual assessment of the performance of a candidate during the study

of a course done by the concerned faculty member. For a course with Term end examination, 50% weightage is assigned to internal evaluation. This internal evaluation of candidates should be carried out by at least 3 or more components as given below. Maximum weightage for a component must not exceed 40% of the total internal marks.

- Class-participation
- Case analysis and presentation
- Quizzes/ Class test/ Surprise test/ Assignments (announced/ unannounced)
- Term papers/Decision sheets/ Project reports
- Research Paper Presentations /Viva
- Individual assignment/ Group assignments/ Presentations/ Decision sheets
- Sessional / Mid-term examination
- Field project
- Role Play/Simulation
- Any other school/ programme/ course specific component

**b) Term End Examinations**

The Term End Examinations (TEE) conducted for the regular courses taught in the respective Term shall be referred to as the Term End Examinations. The Term End examinations shall be conducted on campus or at remote locations in physical or digital mode. The mode and location of examinations would be declared by the examination department along with the schedule of the examinations.

**c) Laboratory: 50 Marks**

The Laboratory session is held every week as per the timetable and the performance of the student is evaluated in every session for 25 Marks. At the end of the semester, a test is conducted for 25 marks.

**d) Project Work**

Students' project works are evaluated by a guide and an internal faculty during Semester 7th. Final project work will be carried out by the students in Semester 7. The final project seminar is evaluated by guide and internal faculty during Semester 7 and the viva voce is evaluated by a guide and an external expert during Semester 8.

## AWARD OF DEGREE

On successful completion of four years, the eligible student will be awarded B.Tech. Recognition of any other interim completion of degree requirements by the student will be subject to University academic regulations that prevail at that point in time.

## STUDENT DEVELOPMENT

NICMAR University has a number of schemes in place to provide full or partial financial support to a variety of student activities. The university strongly believes that co & extra-curricular 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:

**Empowering Education Through Technology**

NICMAR University, Pune, provides a modern, secure and technology-enabled campus environment designed to support academic excellence, innovation, research and industry-oriented learning.
The University's robust IT infrastructure integrates high-speed connectivity, smart learning spaces, advanced computing facilities, industry-standard software, digital collaboration platforms and dedicated technical support, enabling students to experience a seamless digital learning environment.

**Key IT Facilities & Services**

**1. Smart Classrooms & Advanced Computer Laboratories**
Technology-enabled classrooms equipped with interactive displays, audio-visual systems, webcams and video-conferencing facilities support engaging, collaborative and hybrid learning experiences. Modern computer laboratories provide access to specialised academic and industry-standard applications for practical learning, simulations, projects and research.

**2. Campus-Wide High-Speed Internet & Wi-Fi**
The campus offers 24×7 internet connectivity through a dedicated high-speed internet leased line with backup connectivity. Campus-wide Wi-Fi and wired network infrastructure enable students to access digital learning resources, research materials and online academic services.

**3. Digital Learning & Academic Management**
An integrated Learning Management System (LMS) and academic information systems facilitate access to course materials, assignments, academic resources and other learning activities. SAP S/4HANA and EduPlus Campus ERP support administrative and student lifecycle processes, including digital evaluation.

**4. Industry-Standard Software & Specialised Applications**
Students benefit from access to an extensive portfolio of professional software applications supporting construction management, engineering, architecture, project planning, design, analytics and research.
Key applications include:

- **BIM & Digital Design:** Autodesk Suite (AutoCAD, Revit, Navisworks, InfraWorks and other applications), Bentley ProjectWise, BEXEL, VisiLean, SketchUp and Rhino.
- **Project Planning & Management:** Microsoft Project, Oracle Primavera, ProChain and Oracle project and portfolio management solutions.

- **Construction & Enterprise Management:** Microsoft Dynamics 365 ERP and Highrise Construction ERP.
- **Estimation & Cost Management:** Candy and CalQuan.
- **Risk & Infrastructure Analysis:** @RISK and HDM-4.
- **Research, Analytics & Sustainability:** SmartPLS, NVivo, SimaPro LCA and PVsyst.
- **Academic Integrity:** Turnitin plagiarism detection software.

These tools provide students with practical exposure to technologies widely used across the Architecture, Engineering, Construction and Management (AEC) industries.

**5. Microsoft 365 & Digital Collaboration**
Students are provided with institutional email services and access to Microsoft 365 collaboration tools, including Microsoft Teams, OneDrive and Microsoft Office applications. These platforms support academic communication, online meetings, document sharing, teamwork and collaborative learning.

**6. AR/VR Studio & Construction 4.0 Laboratory**
The University offers an advanced Augmented Reality (AR) and Virtual Reality (VR) Studio and a dedicated Construction 4.0 Laboratory. These facilities provide opportunities for immersive learning, technology demonstrations, digital construction simulations, innovation and research into emerging construction technologies.

**7. Cybersecurity & Data Protection**
The University's IT infrastructure incorporates enterprise-grade firewalls, antivirus protection, secure servers, network security controls and centralised UPS systems to support reliable digital operations and safeguard institutional information and IT resources.

**8. Campus Security & Digital Systems**
Integrated technology-based security infrastructure includes CCTV surveillance, biometric attendance systems and visitor management solutions, supporting campus safety, monitoring and administrative efficiency.

**9. Dedicated IT Helpdesk & Technical Support**
A dedicated IT team comprising IT Managers, System Analysts, Software Engineers and Technical Support Assistants provides assistance for campus connectivity, institutional email, software access, computer laboratories, smart classrooms and other IT-related services.
The department is committed to maintaining reliable IT services and providing timely technical assistance to the university community.

### ii. Library

The NICMAR University library is the central library designed to support the students, faculty & research scholars. It is a specialized library in the area of Built Environment. In addition, the library provides knowledge resources in the area Information Technology, Engineering, Architecture, Planning, Energy & Environment, Social Sciences, all areas of Management, Smart Cities, Entrepreneurship, 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 32800 volumes, comprising over 30520 Books, Periodicals, Standards, Cases, Technical Notes, Theses & Audio-Visual Materials. It also subscribes to electronic resources which include **Scopus and Scopus AI – The Citation Database**, **ProQuest ABI Inform Complete** (8500+ Titles), **ASCE Journals** (41 Titles), **ASCE Proceedings** (976 Titles)**, ScienceDirect-Business Management & Accounting** (123 Journals), **Taylor & Francis Online** (80 Journals), **Sage-Urban Studies & Planning** (59 Journals), **Sage-Management** (21 Journals), **ProQuest eBook Central-Business & Engineering** (71200+ Books), **Elsevier eBooks** (155 Titles), **Pearson eBooks** (55 Titles), **McGraw Hill eBooks** (53 Titles), **Taylor & Francis eBooks** (5 titles). Other titles include '**All India Reporter**', '**Economic & Political Weekly**' and Economic & Business databases of **M/s Centre for Monitoring Indian Economy, Mumbai (CMIE)** including **Prowess**, **Industry Outlook, Economic Outlook, States of India and the CapEx**. It also subscribes to the Anti-plagiarism software '**Turnitin- Originality Check and Turnitin AI**' 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:**

a. Well-equipped, state-of-the-art facilities exist for indoor and outdoor sports such as badminton, table tennis, basketball and football etc.
b. Students are encouraged to participate in intra and inter-college co-curricular, cultural and sports competitions.
c. 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.
d. Students also bring out in-house magazines, newsletters and similar publications.
e. 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.
f. Separate well-equipped gymnasia are available for girls and boys, assisted by qualified sports supervisors.
g. An international sports stadium is just across the road and students can access swimming pools, gymnasia, 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.

- **Credila Financial Services Ltd.** Primary Contact (Disha): +91 77700 54545 / WhatsApp: +91 96079 99310
- **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 Contact Person - Sushant Ingrole Ph. No.: 8208146613/ 91681 10101 E-mail: Sushant.ingrole@idfcfirstbank.com
- **Bank of Baroda** Landline: 020-25537085, Mobile: 7972388794, Email: elsc.pune@bankofbaroda.com
- **Bank of Maharashtra** Ph. Numbers.: 9623293296 / 7738624412 Give a Missed call on this Number - 8010 614 614 Email: brmgr2550@mahabank.co.in, brmgr1121@mahabank.co.in, Website: https://digileads.bankofmaharashtra.in/educationloan
- **Avanse Financial Services Ltd.**

Email: devesh.thakkar@avanse.com, Mobile: 9702666363, Toll Free No.: 1800-266-9722

- **propelld** [Website: https://www.propelld.com/, Mr. Sagar Kaushik, Ph. No.: 8147495172]
- **kuhoo** Contact Person -Gopal Thakare Mobile: 9860400041 Email: gopal.thakare@kuhoo.com
- **Punjab National Bank :** Email: shamstabrez.sayyad@pnb.bank.in Contact no: 9226946326

- **Axis Bank** Contact Person:- Sumeet Tayde Mobile: 9096923798 Email: sumeet.tayde@axisbank.com

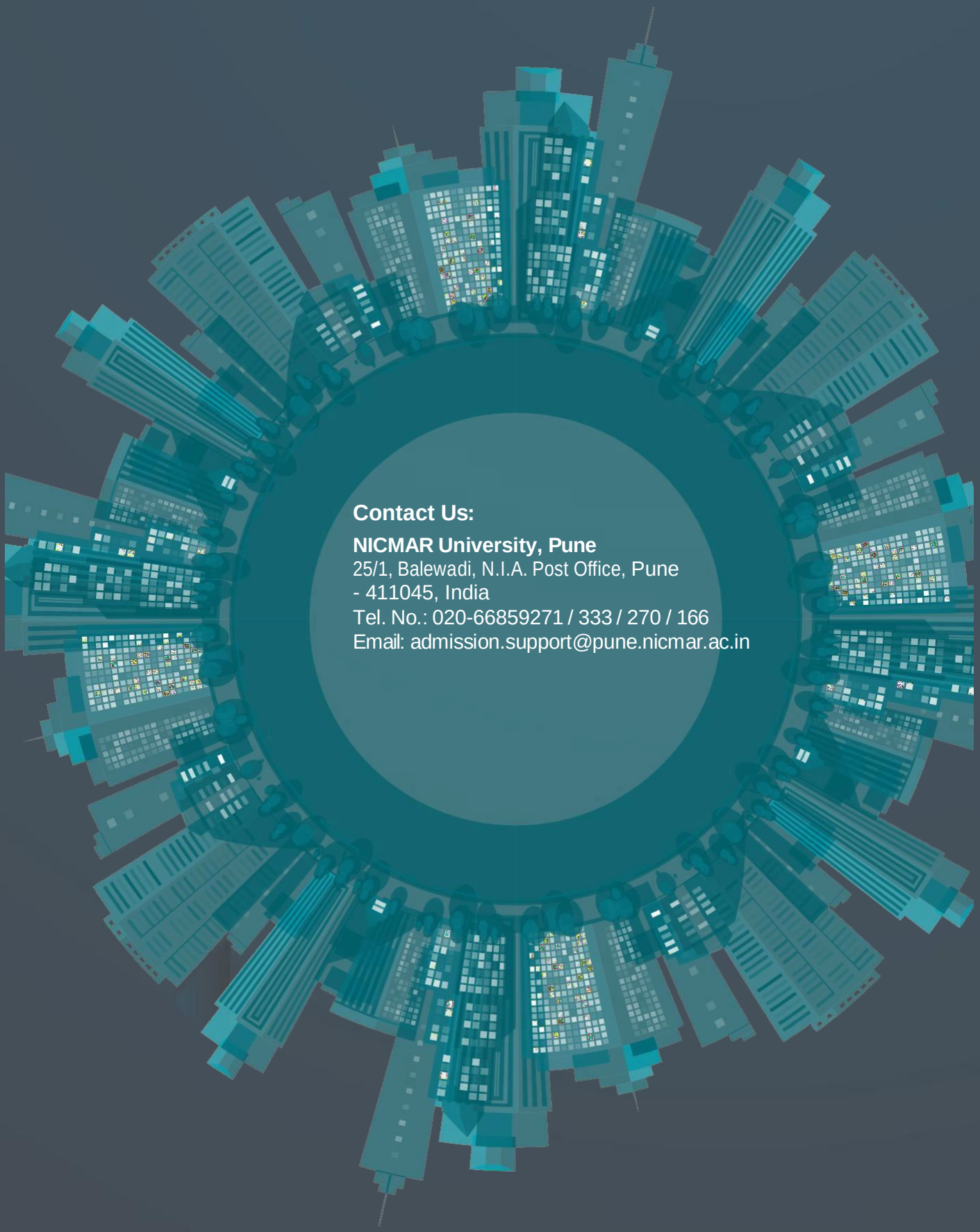
Applicants may contact the branches of these banks/financial organisations for further details and information.

## 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.

**Disclaimer:** 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.

The University reserves the right to revise the contents of the brochure from time to time without any prior notice. All matter is subject to NICMAR University, Pune jurisdiction only.




**Contact Us:**

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