



# Karunya

DEEMED UNIVERSITY

SOLVING HUMAN PROBLEMS  
NAAC Accredited A++

**NBA**  
NATIONAL BOARD  
of ACCREDITATION

Accredited by NBA for 6 Years



World  
University  
Rankings 2025  
1201-1500 Band



Division of  
**CIVIL ENGINEERING**  
*(Designing the Future with Excellence for  
Sustainable Infrastructure Development)*

**ADMISSIONS  
2026**

**CATEGORY 1**  
Institution  
UGC Govt.



## >About Us

The Division of Civil Engineering has a strong track record of producing highly skilled engineers. Since its inception in 1986, it has educated over 5,000 civil engineers. Our graduates are well-prepared to meet the demands of the industry and society, and have contributed to the planning and execution of major projects, including commercial buildings, bridges, airports, seaports and industrial structures, both domestically and internationally.

Our curriculum is designed by a knowledgeable advisory board composed of experts from academia, industry, and alumni. This ensures that our graduates are equipped with the skills and knowledge needed to succeed in their careers, whether they choose to work in the corporate sector, research and development, or pursue advanced studies at internationally renowned institutions.

To enhance the practical relevance of our program, we offer elective courses taught by industry experts in various fields. Additionally, we integrate field-oriented projects and internships into the curriculum, providing students with valuable hands-on experience in reputable companies and government organizations.

## Our Vision

To be a globally recognized division, providing a transformative education that prepares our graduates to lead in the field of civil engineering, driving innovation and addressing societal needs

## Our Mission

- Establish strong partnerships with industry to ensure the curriculum aligns with current industry practices and future trends.
- Inculcate a culture of innovation and creativity, encouraging students to develop innovative solutions to complex engineering challenges.
- Provide a supportive learning environment that encourages student engagement, critical thinking, and lifelong learning.

## Programs Offered

- B.Tech.** Civil Engineering
- B.Tech.** Civil Engineering (Spl. in Building Information Modelling and Digital Twin)
- B.Tech.** Civil Engineering (Spl. in Geospatial Technology)

- M.Tech.** Structural Engineering
- Ph.D.** Civil Engineering

## Why Civil Engineering @ Karunya?

### Academic Excellence

- Industry Partnerships:** Collaboration with top MNCs for internships, placements, and curriculum development.
- State-of-the-Art Facilities:** Learning cutting-edge technologies in the Dynamics Lab, NDT Lab, BIM Lab, Structural Design Lab, Pollution Control Lab, Structural Fire Testing Lab and AERONET Facility installed by NASA.

### Industry-Relevant Curriculum

- Industry-Relevant Courses:** Latest technologies, including BIM, Digital twin, AR/VR, 3D Printing and Geospatial Technology.
- Skill Development:** Enhancing skills with specialized courses in GIS, GPS, NDT and Drone Technology.
- Advanced Design Tools:** Master in advanced drafting, analysis and design tools CADD, REVIT, STAAD, ETABS and Tekla Structures.

### Real-World Experience

- Hands-on Learning:** Gaining practical experience through Outcome based competency focused curriculum (OBCFC), project-based learning/Blended learning/Mini projects and field trips.
- Global Opportunities:** Intern at leading multinational companies (L&T, Suez, Shapoorji Pallonji, Sobha Developers, Mahindra and Mahindra, URC), national research labs (NEERI, CSIR, CWRDM, ISRO, CPWD), and international universities (IAESTE).

## Career Opportunities

- Design and Technology:**
  - BIM Developer
  - Interior Designer
  - Structural Designer
- Construction and Planning:**
  - Construction Manager
  - Urban Planner / Smart Building Designer
  - Smart City Developer

- **Environmental and Sustainability:**

- Geospatial Technology Specialist
- Water Technology Specialist
- Sustainable Infrastructure Manager
- Pollution Control Engineer
- Smart Transportation Systems Engineer

- **Laboratories / Computing Facilities**

State-of-art laboratory facilities are available in the division to cater to the practical requirements of Industry.

- Material Testing and Characterisation
- Concrete Quality Control
- Advanced Surveying and Geomatics
- Fluid Mechanics and Machinery
- Geo-Technical Engineering
- Environmental Engineering (Water Quality and Pollution Control)
- Non-destructive Testing / Advanced Structural Dynamics / Geospatial Technology
- Computer Aided Design and Drafting

To enrich the knowledge of the students, Certificate courses on latest software tools such as AutoCAD, Revit Architecture, Primavera, STAAD Pro, ETABS, GIS/GPS, ANSYS, Plaxis are offered.

- **Research and Innovation**

Our faculty have a strong track record of conducting research funded by prestigious organizations like the Department of Science & Technology (DST), Science and Engineering Research Board (SERB), Ministry of Earth Sciences (MoES), and Ministry of Environment and Forests (MoEF), Ministry of Innovation (Hungary), National Research Foundation of Korea, Ministry of Education (UBA), Regional RAMSAR convention- East Asia

Some of our current research projects include:

**Evaluating Wetland Ecosystems:** Studying the benefits that wetlands provide to the environment.

**Improving Fire Safety in Buildings:** Developing ways to make concrete structures more resistant to fire.

**Microplastic contamination in agriculture:** Assessing soil and crop pollution and its effects on insects and human health.

## ● Consultancy

The division is actively involved in giving solutions to real time problems. Analysis and design of buildings and retaining structures, Repair and retrofitting, Soil investigation, Design of industrial structures, Watershed management, Pollution control measures, Water and waste water treatment, Pavement design, Concrete mix design and testing. All UG and PG Students are involved in the Consultancy project that enhances their employability skill.

## ● Collaborations

The Division of Civil Engineering has collaborated with the following Industries / Universities for Curriculum enrichment, Internship, Placement, Research & Consultancy

Industries	Universities
M/s. Suez Projects India	RWTH Aachen University, Germany
M/s Larson and Toubro, CSTI, Chennai	EWHA Women University, South Korea
M/s URC, Bangalore	University of Cagliari, Italy
M/s Mahindra Consulting Engineers, Chennai	Ben Gurion University & Technion University, Israel
M/s Capital Engineering Consultancy, Sharjah	Budapest University of Technology and Economics Hungary
M/s BIMLABS, Trivandrum	Clemson University, USA
M/s Pollucare Engineers Pvt Ltd, Chennai	University of Sfax, Tunisia
CSIR-NEERI, Nagpur & CBRI	Bangladesh Agricultural University, Bangladesh
Association of Consulting Civil Engineers, Coimbatore	
Builders Association of India, Coimbatore	

## Products / Patents / Start up

Civil engineering is a dynamic field with many opportunities for innovation and entrepreneurship. By understanding the latest trends, students are given support to explore their knowledge/skill for designing products or developing new technologies, or starting their own business.



## ► Testimonies



**Ms. Deborah Grace Varghese**

(2021-2025) Batch

B.Tech Civil Engineering

The education I received in Civil Engineering at Karunya Institute of Technology and Sciences (KITS) laid a strong foundation for my professional

and academic growth. The comprehensive curriculum and constant faculty support helped me complete an internship at Capital Engineering Consultancy, UAE, and secure placement at RDC Concrete. This strong academic base also enabled me to pursue my M.Tech in Offshore Structures at NIT Calicut.



**Mr. Alin Joe**

(2023-2025 Batch)

M.Tech Structural Engineering

Master in Structural Engineering, (NIT Calicut)

My internship at Capital Engineering Consultancy, UAE, was a truly transformative

experience that enhanced my technical knowledge and professional skills. The mentorship, encouragement, and academic support provided by the Civil Engineering Department were instrumental in guiding me toward my achievements as a rank holder and securing placement at CATES Engineering, USA. I remain sincerely thankful for the nurturing environment and the opportunities that shaped my growth at Karunya Institute of Technology and Sciences.

## ► Major Recruiters



**Mr. Shinu Shaji**

(2021-2025 Batch)

B.Tech Civil Engineering

My journey at Karunya Institute of Technology and Sciences has been inspiring and transformative. As a rank holder, I gained a strong academic foundation and practical exposure through the Civil Engineering Department. My internship at Capital Engineering Consultancy, UAE, provided valuable industry experience, and I am delighted to continue my career with the same organization. I am deeply grateful to the dedicated faculty for their constant guidance and support.

## ► Skill partner (Curriculum Integrated Lab):



**The Head of Division**  
Civil Engineering

**Karunya Institute of Technology and Sciences,**

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