

Creating a World of Leaders



MASTER'S PROGRAM IN STRUCTURAL ENGINEERING



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ELIGIBILITY: GRADUATION



WORK EXPERIENCE: 3 YEARS MINIMUM



**DURATION: REGULAR -2 YEARS (4 SEMESTERS)
FAST TRACK AVAILABLE**



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COURSE DESCRIPTION

The Master's Program in Structural Engineering provides comprehensive knowledge and advanced understanding of structural analysis, design, construction, and management. The program covers key areas such as structural analysis, reinforced cement concrete (RCC) design, structural steel design, foundation engineering, earthquake-resistant design, bridge engineering, construction methods, structural safety, and construction management.

Students gain a strong understanding of modern principles and practices used in the planning, analysis, design, and execution of complex structural projects. The program emphasizes practical knowledge, problem-solving skills, technical decision-making, and the application of engineering concepts to real-world construction and infrastructure projects. It also introduces students to modern approaches to structural safety, durability, sustainability, and efficient project execution.

Through a combination of theoretical learning and practical application, the program helps students develop the technical expertise required to understand structural behavior, select appropriate construction methods, and design safe and reliable structures. The curriculum is designed to strengthen professional capabilities in structural engineering and prepare students for responsibilities in building, infrastructure, and construction-related projects.

A final-semester project provides an opportunity for students to apply their knowledge to a practical engineering problem, develop design and analytical skills, and demonstrate their ability to manage and complete a structural engineering project from concept to execution.

Our Subjects

YEAR 1 (Sem-I)

- Advanced Structural Analysis
- Structural Mechanics
- Construction Materials and Concrete Technology
- Design of Reinforced Concrete Structures
- Construction Technology and Management

YEAR 1 (Sem-II)

- Design of Steel Structures
- Foundation Engineering
- Structural Dynamics
- Computer Applications in Structural Engineering
- Structural Engineering Materials

YEAR 2 (Sem-III)

- Earthquake Resistant Design
- Advanced Reinforced Concrete Structures
- Bridge Engineering
- Structural Safety and Maintenance
- Estimation and Cost Management

YEAR 2 (Sem-IV)

- Structural Design of Buildings
- Modern Construction Methods
- Structural Codes and Standards
- Communication Skills
- PROJECT

ABOUT US

N.I.M.S is a division of Norwich Group based in South India for more than a decade. Norwich Institute of Management Studies helps in training, online courses and online exams. All the online courses and exams will be well monitored by the institution and, the provided certificates are ISO certified and can also be used for International Travel and study based programs.

Exam & Duration:

Online Exam: 2 hours/paper

Total Fees For Indian Residents : Rs. 87320*

Total Fees For Foreign Residents : US \$ 1300

**Terms and conditions apply*