

Vignan's Foundation for Science, Technology &amp; Research

f (https://www.facebook.com/Vignan-University-351520444892263/?fref=ts)

t (https://twitter.com/VFSTRUniversity)

You Tube (https://www.youtube.com/channel/UCzDKwPH7h79xDSOUgGSwjPQ)


[Home](#) [About us](#) [Admissions](#) [All Courses](#) [Departments](#)

(index.php)

[Current Students](#) [Alumni](#) [Contact us](#)

Admissions open 2023

Admissions open 2023

[d2023.jpg](#) \* [Ph.D Brochure 2023 \(../2023pdf/phd\\_Brochure\\_2023.pdf\)](#) \* \* [Diploma in Engineering \(https:](#)

## Dept. of Civil Engg.

f (https://www.facebook.com/Vignan-University-351520444892263/?fref=ts) &gt; Civil Course

t (https://twitter.com/VFSTRUniversity)

in (https://www.linkedin.com/company/vignan-s-foundation-for-science-technology-research/)

DEPT. OF CIVIL ENGINEERING (https://www.youtube.com/channel/UCzDKwPH7h79xDSOUgGSwjPQ)

> [Civil Engineering Home \(civilhome.php\)](#)> [Board of Studies \(civilbos.php\)](#)> [HoD's Message \(civilhodmsg.php\)](#)> [People \(civilfaculty.php\)](#)> [Infrastructure \(civilinfra.php\)](#)> [Laboratory \(civillab.php\)](#)> [Research \(civilresearch.php\)](#)> [Events \(civilevents.php\)](#)> [Achievements \(civilachieve.php\)](#)

Course Description	Course Structure	Course Enquiry
--------------------	------------------	----------------

### Programme Educational Objectives (PEOs)

**PEO 1:** Professionally design and execute Civil Engineering projects.

Need help? Let's chat with us!

**PEO 2:** Successfully address technological and managerial challenges.

**PEO 3:** Graduates of the programme will reveal lifelong learning and team work in their profession.

### Programme Specific Outcomes (PSOs)

**PSO 1:** Ability to apply principles of Civil Engineering for the entire life cycle of the project ranging from initial design to the closure of the project.

**PSO 2:** Demonstrate proficiency in one the following specialized areas of Civil Engineering

- Construction Materials and Management

- 

Structural and Geotechnical Engineering

- 

Environmental and Water Resources Engineering

- 

Transportation Engineering and Remote Sensing & Geographic Information Systems.  (<https://www.facebook.com/Vignan-University-351520444892263/?fref=ts>)



(<https://twitter.com/VFSTRUniversity>)

### Programme Outcomes (POs)



(<https://www.linkedin.com/company/vignan-s-foundation-for-science-technology-research/>)

The graduates of Civil Engineering will be able to:



(<https://www.youtube.com/channel/UCzDKwPH7h79xDSOUgGSwjPQ>)

**PO 1: Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO 2: 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.

**PO 3: 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 the public health and safety, and the cultural, societal, and environmental considerations.

**PO 4: 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.

**PO 5: Modern 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.

**PO 6: 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.

**PO 7: Environment and sustainability:** Understand the impact of the professional engineering solutions in social, and environmental contexts, and demonstrate the knowledge of, and need for sustainable

development.


**PO 8: Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**PO 9: Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.


**PO 10: 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.

**PO 11: Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

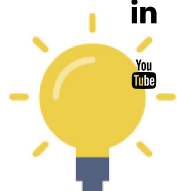
**PO 12: Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

 (<https://www.facebook.com/Vignan-University-351520444892263/?fref=ts>)

 (<https://twitter.com/VFSTRUniversity>)

 (<https://www.linkedin.com/company/vignan-s-foundation-for-science-technology-research/>)

 (<https://www.youtube.com/channel/UCzDKwPH7h79xDSOUgGSwjPQ>)



## RIGHT PLACE FOR CREATIVE MINDS...

Welcome to a place with 45-year legacy of Academic Excellence. As you explore, you begin to find yourself in a well diversified and intellectually intriguing atmosphere

Explore Vignan (<https://www.easytourz.com/BT-EmabedTour/all/a0ccdb54f97e5369>)

### QUICK LINKS

VU Moodle (<http://vumoodle.in/>)

Slambook (<http://vignan.ac.in/slambook/>)

NAD (<https://vignan.ac.in/nad.php>)

ARI<sup>1A</sup> (ARI-U-0043.php)

<https://vignan.ac.in/wdathome.php>

Holistic Training (<https://vignan.ac.in/holistic.php>)

RTI (<https://vignan.ac.in/pdf/Declaration under RTI act 2005.pdf>)

Grievance Redressal

(<https://vignan.ac.in/grievancehome.php>)

NAAC (<https://vignan.ac.in/naac.php>)

NIRF (<https://vignan.ac.in/nirf.php>)

Anti Ragging (<https://vignan.ac.in/antiragginghome.php>)

NCC (<https://vignan.ac.in/ncchome.php>)

Ph.D brochure 2023

([https://vignan.ac.in/2023pdf/phd\\_Brochure\\_2023.pdf](https://vignan.ac.in/2023pdf/phd_Brochure_2023.pdf))

Vignan Online Education (<https://vignanonline.com/>)

International brochure 2023

([https://vignan.ac.in/2023pdf/international\\_2023.pdf](https://vignan.ac.in/2023pdf/international_2023.pdf))

Feedback / Survey

(<https://vignan.ac.in/feedbackfacility.php>)

Student Portal (<http://14.139.85.171/student/>)

Tuition Fee Payment (<https://vignan.ac.in/tuitionfee.php>)

VFSTR Mail (<https://outlook.com/vignanuniversity.org/>)

**GET IN TOUCH** (<https://www.facebook.com/Vignan-University-351520444892263/?fref=ts>)



(<https://twitter.com/VFSTRUniversity>)

Vignan's Foundation for Science, Technology and Research (Deemed to be University), Vadlamudi, Guntur-522213



(<https://www.linkedin.com/company/vignan-s-foundation-for-science-technology-research/>)

Phone: 0863-2344700 / 701



(<https://www.youtube.com/channel/UCzDKwPH7h79xDSOUgGSwjPQ>)

Email: [info@vignan.ac.in](mailto:info@vignan.ac.in)

vignan brochure 2023

([https://vignan.ac.in/2023pdf/Vignan\\_Brochure\\_2023.pdf](https://vignan.ac.in/2023pdf/Vignan_Brochure_2023.pdf))

vignan north brochure 2023

([https://vignan.ac.in/2023pdf/Vignan\\_North\\_Brochure\\_2023.pdf](https://vignan.ac.in/2023pdf/Vignan_North_Brochure_2023.pdf))

## IMPORTANT LINKS

MHRD-NMEICT Initiative (<https://vignan.ac.in/pdf/NME-ICT-MHRD.pdf>)

VU Today (<https://vignan.ac.in/VUtodaypdf/21-6-2023.pdf>)

e-Bulletin of APSCHE

([https://vignan.ac.in/pdf/apsche\\_bulliten.pdf](https://vignan.ac.in/pdf/apsche_bulliten.pdf))

Feedback on Website (<https://vignan.ac.in/survey/>)

AICTE Internship Portal (<https://internship.aicte-india.org/>)

Deo Portal (<https://vignan.ac.in/Deologin>)

Copyrights © 2023 Vignan University. All rights reserved.

