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(/about-us.aspx?  
mpgid=259&pgidtrail=259)

**ABOUT US (../ABOUT-US/GENESIS)   ACADEMICS   PROGRAMS (../PROGRAMS)   ADMISSIONS**

**RESEARCH (../PHD-SCHOLARS-AND-RESEARCH-AREAS)   LIFE@DIT (../HOSTEL\_INFRASTRUCTURE)**

**PLACEMENT & CDC (../PLACEMENTS/PLACEMENT-HIGHLIGHTS)   IQAC (../IQAC)   CIIES (../CIIES)**

buildings. Additionally, advancements in technology, including 3D printing and Artificial Intelligence, have made construction projects more efficient and accurate.

Furthermore, civil engineering research has been exploring innovative materials and construction techniques, such as self-healing concrete and carbon fiber-reinforced polymers, to increase the durability and longevity of infrastructure projects. Research has also focused on improving disaster resilience in infrastructure, such as developing flood-resistant buildings and earthquake-resistant structures.

A Doctorate in Civil Engineering offers students the opportunity to conduct research in these areas and contribute to the advancement of the field. Some of the current research topics in civil engineering include the development of sustainable construction materials, smart cities and infrastructure, and the use of robotics and automation in construction. The program requires rigorous research and development, design, and innovation in the field. Typically, the program builds upon a student's master's degree in the field or related disciplines. Students are also required to take research methods courses to refine their research and analytical skills.

A Ph.D. in Civil engineering is a wise choice for those who want to make a meaningful impact on society and the physical world around us. The degree enables individuals to develop a deep understanding of advanced theories and concepts in civil engineering, conduct cutting-edge research, and solve complex problems. PhD in civil engineering is a challenging but rewarding program that provides students with the skills and expertise to excel in the field.

## Duration

Duration – As per DITU Ph.D. Ordinance

The maximum period will count from the date of enrollment to the date of submission of the Ph.D. theses.

In exceptional circumstances, to the satisfaction of the Vice-Chancellor, a candidate may be granted (a) an extension of maximum of one year over and above the maximum duration as specified above or (b) a relaxation of one year in the minimum duration as specified above provided (s)he is a full time candidate with M.Tech or equivalent as entry qualification.

In case a Ph.D. scholar is not able to successfully complete the Ph.D. within the maximum duration as specified above (including 6.2(a) above) his/her registration will expire and his/her Ph.D. program will stand automatically terminated.



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[RESEARCH \(../PHD-SCHOLARS-AND-RESEARCH-AREAS\)](#)   [LIFE@DIT \(../HOSTEL\\_INFRASTRUCTURE\)](#)

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## Eligibility

Minimum 55% marks or CGPA not less than 6 on scale of 10 in the respective Master's Degree of a University or equivalent . (Not distance or any other mode) NET/GATE/SRF qualified students shall be preferred.

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## Resources

[Annual Report \(/cpage.aspx?mpgid=37&pgidtrail=230\)](#)  
[Library e- access \(https://dituniversity.new.knimbus.com/\)](#)  
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(//)

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mpgid=259&pgidtrail=259)

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[RESEARCH \(../PHD-SCHOLARS-AND-RESEARCH-AREAS\)](#)   [LIFE@DIT \(../HOSTEL\\_INFRASTRUCTURE\)](#)

[PLACEMENT & CDC \(../PLACEMENTS/PLACEMENT-HIGHLIGHTS\)](#)   [IQAC \(../IQAC\)](#)   [CIIES \(../CIIES\)](#)

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## Program Curriculum (As Per FFCBCS Scheme)



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[RESEARCH \(../PHD-SCHOLARS-AND-RESEARCH-AREAS\)](#)   [LIFE@DIT \(../HOSTEL\\_INFRASTRUCTURE\)](#)

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[Women Welfare Cell \(/women-welfare-cell.aspx?  
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mpgid=259&pgidtrail=259)

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[RESEARCH \(../PHD-SCHOLARS-AND-RESEARCH-AREAS\)](#)   [LIFE@DIT \(../HOSTEL\\_INFRASTRUCTURE\)](#)

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