

INTEGRAL UNIVERSITY, LUCKNOW

DEPARTMENT OF CIVIL ENGINEERING

Programme Educational Objectives (PEO's)

1. Graduate will be prepared for a solid foundation in mathematics, sciences and technical skill needed to analyze and design civil infrastructures systems.
2. To prepare students for advance studies, for eventual leadership roles in their profession.
3. To make graduates able to opt new technique and make them well versed with Engineering Software
4. To make graduates strong in written and oral communication skills, teamwork skills, multidisciplinary approach an ability to relate engineering issues to relate engineering issues to broader social context.
5. To make graduates familiar with current and emerging civil engineering and global issues and have an understanding of ethical and societal responsibilities, and engaging them in lifelong learning.

Program Outcomes (PO's)

- a. The graduates will show the knowledge of mathematics, Sciences and Technical skills needed to analyze and design of civil infrastructure systems.
- b. The graduates will show the ability to identify, formulate, interpret analyze and solve the civil engineering problems.
- c. The graduates will demonstrate the ability to plan , design and execution of civil infrastructure system that meets desired specification and requirements.
- d. The Graduates will demonstrate the ability to function on Engineering and science laboratory teams as well as well as on multidisciplinary design team,
- e. The Graduates will demonstrate the ability to identify, formulate and solve civil Engineering problems.
- f. The Graduates will demonstrate an understanding for their professional, ethical and societal responsibilities.
- g. The Graduates will be able to communicate in both written and verbal form .They should also demonstrate their Teamwork skills, multidisciplinary approach.
- h. The graduates have the confidence to apply Civil Engineering solutions in global, economical and societal contexts.
- i. The graduate should be capable of self education and clearly understood the value of lifelong learning.
- j. The graduate should be broadly educated and will have an understanding of the impact of Engineering on society and demonstrate awareness of contemporary issues.
- k. The graduate will be familiar with the modern Engineering software tools and equipments to analyze Civil Engineering problems.