

RGUKT BASAR- CIVIL DEPARTMENT

Program Educational Objectives (PEO's):

- Preparing the students to succeed in positions in civil Engineering research or practice, and in other fields they chose to pursue and enroll in advanced studies.
- Actively engage in problem solving using engineering principles to address the evolving needs of the society.
- To achieve expertise in design and analysis of various civil engineering structures
- Pursue life long learning by being active members of professional bodies like ASCE, TRB etc.
- To generate engineering designs that are cost-effective, sustainable, functioning effectively and safe.

Program Outcomes (PO's):

- To solve civil engineering problems in different scenarios there by making them successful in research/practice or in other fields they choose to pursue
- To function ethically in professional civil engineering roles and exhibit good competency in their work culture
- To prepare students for successful careers in industry that meet the needs of Indian and multinational companies
- To develop the ability among students to synthesize data and technical concepts for application to design
- To provide opportunity for students to work as part of teams on multidisciplinary projects
- To provide students with a sound foundation in the mathematical, scientific and engineering fundamentals necessary to formulate, solve and analyze engineering problems and to prepare them for graduate studies
- To promote student awareness of the life-long learning and to introduce them to professional ethics and codes of professional practice
- Make ethical decisions and demonstrate a commitment to service to the profession and society
- Acquire a position or degree that values adaptability and innovation in their work
- Pursue life long learning, and to be leaders, both in their chosen profession and in other activities
- Graduates will able to apply fundamental principles of science, mathematics and engineering using modern tools to solve the societal and environmental problems
- Graduates are able to use their practical, field survey, computer and analytic skills to build industry ready engineers to solve multi-disciplinary sustainable projects

- Graduate applies innovative ideas to improve the technical competency in engineering decisions, lifelong learning, to equip leadership qualities in diverse teams, promote and practice appropriate ethical moral to become professional engineers

Program Specific Outcomes (PSO's):

- Function as design consultants in construction industry for the design of civil engineering structures
- Provide sustainable solutions to the civil engineering problems
- Graduates will be able to apply technical skills and modern engineering tools for civil engineering day to day practice
- Graduates will be able to participate in critical thinking and problem solving of civil engineering field that requires analytical and design requirements
- Graduates will be able to pursue of lifelong learning and professional development to face the challenging and emerging needs of our society