Program Educational Objectives (PEOs)

Program educational objectives are broad statements that describe the career and professional accomplishments that the program is preparing the graduates to achieve.

I. A strong foundation in mathematics, basic sciences and engineering fundamentals, to successfully compete for entry-level positions or pursue postgraduate programme in Civil Engineering and related fields.

II. Contemporary professional skills, collection, analysis / interpretation and presentation of data, including hands-on laboratory experience, exposure to modern software, creativity, and innovation to successfully compete in the local national and global market.

III. Strong communication and interpersonal skills, board knowledge and an understanding of multicultural and global perspectives to work effectively and multidisciplinary teams, both as team members and as leaders.

IV. Integral development of the personality to deal with ethical and professional issues, taking into account the broader societal implications of civil engineering and also develop independent and lifelong learning.
Program Outcomes – Program outcomes (PO's) are narrower statements that describe what students are expected to know and be able to do by the time of graduation. These relate to the skills, knowledge, and behaviors that students acquire in their matriculation through the program.

Engineering programs must demonstrate that their students attain the following outcomes:

(a) an ability to apply knowledge of mathematics, science, and engineering,
(b) an ability to design and conduct experiments, as well as to analyze and interpret data,
(c) an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability,
(d) an ability to function on multidisciplinary teams,
(e) an ability to identify, formulate, and solve engineering problems,
(f) an understanding of professional and ethical responsibility,
(g) an ability to communicate effectively,
(h) the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context,
(i) a recognition of the need for, and an ability to engage in life-long learning,
(j) a knowledge of contemporary issues, and
(k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Program Specific Program Outcomes (PSPOs)

(l) Endeavour to develop an ability to plan, analyse, design and execute projects in Civil Engineering.

(m) An ability to use latest equipment like Total Station non-destructive testing equipment and thus become industry adaptable.