

### 3. INTENDED LEARNING OUTCOMES OF THE PROGRAMME

On successful completion of the programme, students will be able to:

Category A Professional/academic knowledge and skills

1. understand the fundamentals of science and engineering, and have the ability to apply them;
2. conduct experiments, as well as to evaluate the outcomes;
3. analyse and evaluate a system, component or process of given specifications and constraints;
4. identify, formulate and solve problems relevant to EIE;
5. have the ability to use modern engineering/IT tools appropriate to EIE practice;

Category B Attributes for all-roundedness

6. work with others collaboratively in a team and have a knowledge of leadership;
7. recognize professional responsibility;
8. communicate effectively;
9. recognize the need for life-long learning; and
10. participate in creative activities.