

**Course Title: Engineering Project**

**Course Code: ENGG 102**

**Credit Hours: 2**

**Course Description:**

This course introduces students with the essentials of an engineering project.

**Course Contents:**

- The first few weeks of the course will be basic instruction on the theoretical and practical principles of carrying out an engineering project. This will be followed by instruction and practical exercises on the skills of report writing and presentation.
- Students will then be divided into teams of five. They will appoint a team leader, who coordinates the activities of the team. An advisor will be allocated to each team.
- Each team will be guided into the selection of one of a number of projects
- Each team will be will then carry out the design of the project selected. Prototype construction and testing of selected project needs to be done.
- Each team will compile a report of the project completed. Each student should make a contribution to the report. It should include but not be limited to the following section: introduction (why the project was chosen and what the aim was). Methodology (How it was carried out?). Details of design and construction a brief estimate of the costs involved. Test results (how well it met the specifications planned). Lessons learned from the project work and what modifications might be made for further development.
- Each team will give proposal, intermediate and final presentations. Every member of the team should take part. Emphasis should be made on giving a clear and concise overview of how the project was carried out. Long and detailed explanations of how the system works should be avoided. The team shall use appropriate resources for visual communication such as poster, projector, etc. The team also shall demonstrate the product and they must be prepared for questions. Each student will be assessed individually for his/her presentation and work.