**BBE 4201 Research Project**

Course description

This course involves the execution of a project oriented toward providing experience in establishment of objectives and criteria, synthesis, analysis, construction, testing, and evaluation; development of student creativity through the solution of open-ended problems; instruction in design methodology. The

student(s) undertake the project proposed in ***TEC4101 Research Methods***, which involves addressing a significant technical problem they embark on this under the guidance of a supervisor; student are expected to demonstrate an ability to apply the disciplined approaches of the course in addressing the

solution to the problem; students produce a final thesis on the work and this together with a demonstration of the working system will form the assessment.

Course Objectives

Course Content

 On approval of the proposal developed in ***TEC4101 Research Methods***, the student(s)

proceeds with data collection, analysis, design and implementation during this semester.

 All work done is compiled into a report which reflects the capacity of the student to apply theoretical and practical knowledge in *Computer Engineering*.

 The student shall hand submit this dissertation which should represent original work in order to sit for the final written examinations. Each candidate shall also present the report orally to a panel of Examiners.

 A student who has made satisfactory progress in the project work but needs more time to complete the project shall be allowed a maximum of one month after the end of second semester of the final year within which to complete.

 Any student who fails to complete the project within the added one month shall be deemed a failure and will therefore start afresh on a new project when next offered.

Learning Outcomes

On completion of this course the student should be able to draw upon knowledge gained from all courses in the Computer Engineering Programme to:

1. Organize and bring to fruition a major individual or team research project

2. Sustain a self-disciplined and concerted effort on a single project over an extended period of time, the completion of which requires the meeting of multiple deadlines and fruitful interaction with supervisors, resource personnel, and fellow students

3. Improve upon abilities to access, evaluate and synthesize information from primary literature and other credible relevant sources

4. Improve upon oral and written communication skills