3.4.5 Undergraduate Research Opportunities Programme

EG2605 Undergraduate Research Opportunities Programme (UROP) provides an opportunity for students to do research at an early stage in their candidature. They would be able to (a) acquire skills involved in the intellectual process of inquiry, (b) enhance their knowledge of the latest technology, and (c) interact with faculty members so as to foster closer ties. Students have to complete Stage 1 of their course to gain good fundamental engineering knowledge to handle the EG2605 programme on research and development work in the laboratory. Students are expected to work on the UROP project for at least 130 hours, which may be spread over two semesters. At the end of the research work, UROP students have to submit a six- to eight-pages technical research report to their supervisors through the FoE Undergraduate Enhancement Portal (https://myaces.nus.edu.sg/ugep/studentLogin.html). The assessment guidelines for satisfactory grading are based on students (i) having done a literature survey of the research area, (ii) having defined the problem clearly and proposing a hypothesis or a model for the problem, (iii) designing a solution procedure/experiment to study the hypothesis or analyse the problem, (iv) obtaining the data and evidences to support the hypothesis, and (v) drawing conclusions and making suggestions for future studies.

*Do note that UROP is not to be undertaken concurrently with dissertation projects, Industrial Attachment (IA) and Summer Exchange Programme (SEP).