

DIPLOMA IN SOFTWARE ENGINEERING (SOFTWARE TESTING)

JPT/BPP(K)1000-600/B293 Jld 5(6)(N/481/4/0803)(MQA/PA 9541) 03/2023

PROGRAMME BRIEF

Software Engineering (Software Testing) is designed to develop the competencies required in the software development process that involves the synchronized application of a broad spectrum of defect prevention and detection strategies in order to reduce software development risks, time, and costs. Software Engineering (Software Testing) can also provide an objective, independent view of the software to allow the business to appreciate and understand the risks of software implementation.

Test techniques include the process of executing a program or application with the intent of finding software bugs (errors or other defects), and verifying that the software product is fit for use. It is performed by the software developer or software engineer during the construction phase of the software development lifecycle. Development Testing aims to eliminate construction errors before code is promoted to other testing; this strategy is intended to increase the quality of the resulting software as well as the efficiency of the overall development process.

Student from Software Engineering (Software Testing) will develop essential knowledge and skills to use software development life cycle combining software testing principle based on defined software development and testing industry standard and regulation which still evolving.

CORE STUDY AREAS

- Defect Management
- Software Modelling & Requirements Engineering
- Android Programming
- Functional & Performance Testing Method

JOB OPPORTUNITIES

- Software Tester & Software System Analysis
- Software Quality Assurance Engineer
- Software Assistant Developer
- Software Application Mobile Developer

