

Intern Requirement

No. of students required	1 or 2
Preferred Discipline	<ul style="list-style-type: none">IT Security
Prerequisites/ Skills Required	<ul style="list-style-type: none">Strong interest in IT securityProgramming knowledge

Project Details

Title	Evaluation of Fuzzing Tools for Black-box Testing
Overview/Background	<p>To explore the use of fuzzing tools for black-box testing in an in-house developed software, as part of the Quality Assurance (QA) process for software development.</p> <p>The intern is expected to conduct a research on fuzzing tools available in the market (either free/open-source or commercial). He/she would also have to establish the evaluation criteria and devise test plans/cases for selection of suitable tools.</p> <p>The scope for the fuzzing spans across domains such as application, fileformat, protocol testing, etc.</p>
Objectives/Scope/ Deliverables	<ul style="list-style-type: none">Research on fuzzing tools available in the marketEstablish the evaluation criteria and devise test plans/cases for selection of suitable toolsDevelop guidelines and documentation for the usage of these tools in the QA process (may be required)
Project Duration	2-4 months