INFORMATICS INSTITUTE OF TECHNOLOGY

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BEng (Hons) in Software Engineering

Automation Framework for Mobile Application Testing

A dissertation by

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Abstract

Mobile application development is a rapidly growing industry and there are various platforms, and models available in the market. Mobile application providers have to release applications to work with many devices to archive their target. These mobile applications are need to be tested before they are release to customers. To test these applications companies use manual testing or automating testing. Automating testing takes less time but automation engineers are rather high in cost. In that case this solution is to take non-technical people to test mobile application without any knowledge of automation technology.

This system get the natural language written text and convert them in to executable commands. So the user need to input keywords to test the particular application. These commands will run in real multiple devices and testers can see the results of bugs in the application and which are the devices do not support the application and supported.

This system is very useful to mobile application providers and individual developers to test their mobile application within low cost and less time.