Abstract

The usability is acknowledged as an key eminence aspect of any website. The quality assurance of a website depends on automation testing tools that decreased the cost and increases the efficiency. The usability testing tools are used to determine the usability of websites and their effectiveness. The performance of a website can be a critical factor to its success. It depends on the major factor speed. If website speed is fast then performance automatically increases. The performance can be evaluated by using tools which give details of resources and components on that website. There is wide diversity of automated website testing tools are available. The aim of this research paper is to evaluate and compare the automated testing tools to determine their performance, speed, number of requests, load time, page size, SEO (Search Engine Optimization), mobile and security. The performance of different Universities of Punjab is evaluated using automated Usability Testing tools like Pingdom, GTMetrix, Website Grader and Site Speed Checker Tool and results are analysed based on above said parameters.
References

5. www.wqusability.com/articles/getting-started.html

**Index Terms**

Computer Science  
Information Sciences

**Keywords**

Usability, Web Service, testing, speed, load time, Pingdom tool, GTMetrix tool, Site Speed Checker tool, Website Grader tool