

## **A study on need of web based mobile application development for online fashion design selection with machine learning**

Kithulwatta W.M.C.J.T.<sup>1</sup>

Web based mobile applications, machine learning and Artificial Intelligence (AI) are most popular trend of modern Information Technology in current society. It makes more advantage and large network with World Wide Web with millions of mobile computing devices. With the development of the computer technology, it is adapting all of manual systems to web based applications and mobile applications. When it becomes to automation, it combines with machine learning and AI. In traditional fashion design selection manual systems, when a person needs to participate an event (ceremonial event) she/he needs to select hair style from a saloon, dresses from textile shop and accessories from a respective shop. It is happening at three different physically isolated places. There is no a such method to fulfil those three needs by a computerized system even there is no physical place to fulfill that. In here it is examining the need of web based mobile application for online fashion design selection with machine learning & AI. Frist, this research report discussed the current fashion design systems, current problems of them and objectives of the research study. Secondly, this research presents a literature review on theoretical and knowledge models for presenting system. Under the third part it will be presented conceptual framework, hypothesis, variables and indicators of study. Multi stage sampling technique will be used to identify the cluster and it will be used to gather data. The questionnaire will be developed to evaluate each identified indicators and collected the data will be analyzed using Minitab statistical software. Data analysis and research findings will be presented at the fourth part of the research report. Finally, it will be presented the essential functional requirements and elicitations, recommendations to future development on above systems and limitations to develop the web based mobile application for online fashion design selection with machine learning and AI for software developers.

**Keywords:** *Web applications, Mobile Applications, Machine Learning, Fashion selection, Artificial Intelligence(AI)*

---

<sup>1</sup> Reading B.Sc.(Hons) Software Engineering degree in University of Kelaniya  
chiranthajtk@gmail.com