

IMPLEMENTATION OF CROSS-PLATFORM MOBILE APPLICATION USING PHONEGAP FRAMEWORK

AVINASH SHRIVAS¹ & ANANDKUMAR PARDESHI²

¹Associate Professor, Vidyalkar Institute of Technology, University of Mumbai, Mumbai, Maharashtra, India

²Assistant Professor, Fr. C Rodrigues Institute of Technology, University of Mumbai, Mumbai, Maharashtra, India

ABSTRACT

Mobiles are an important part of daily life. Nowadays, users are expecting handy applications in less time. It is big challenge to develop high performance mobile applications that would meet the expectation of customers. Several mobile platforms available in the market, developing same type of applications for different mobile platforms are time consuming. Mobile operating systems companies are giving their best available resources for creating application in much convenient way. Mobile application development tools have solved this cross-platform problem to a great level. These tools provide the development of application in much shorter time than to develop by using specific software development kit of mobile operating systems. The applications created by the tools are cross-platform which avoids developing same type of application separately. So these tools could be really useful for the developers to build applications with a wide scope and a reduced amount of time.

This paper aims to develop Cross-Platform Mobile Application using Phone Gap Framework. Resulting application is a cross-platform mobile application for student information system. In Institution of higher education, the number of student owning mobile phones is more than the one owning computers. With mobile device, "Information at our finger tips anywhere at any time", so that users can have a better experience to access information and enjoy many applications. There is a chance to handover academic affairs management from computer to mobile phones to improve service quality and management efficiency. This project is to sharing information between students, staffs and college administration. The application will help students to check their results, attendance, view personal details, check for announcements etc. which are easy to use directly from mobile phones.

KEYWORDS: Cross, Platform, Information System, Mobile Application, Phone Gap