TEST Engineering & Management

January – February 2020
ISSN: 0193-4120 Page No. 13868 – 13872

Event Feedback System for College Events

Mini kumari

Dept. of CSE/IT, Dr. M. G. R. Educational and Research Institute, Madhuravoyal, Chennai

Article Info
Volume 82
Page Number: 13868 – 13872
Publication Issue:
January-February 2020

Article History
Article Received*: 18 May 2019*
Revised*: 14 July 2019*
Accepted*: 22 December 2019*
Publication*: 24 February 2020*

Abstract

Feedback System helps the Event Organizers to get insights and various useful information about the conducted events from the participants. Our motivation is to develop such a feedback system, which not only provides the above-mentioned functionalities and also provides the visual representation of collected feedbacks. As most of the people have smart phone and net access in it, it is prominent to develop the feedback system as mobile application. In this work, we developed a mobile application for feedback system for college events. The event participants can share their feedback through this app and the organizers can use the app to analyze and visualize the feedback data. Thus helping the event organizers to manage the events efficiently.

I. INTRODUCTION

In college life there are many events that take place. Student from various college and from various department participate in the events to enhance their knowledge. The Success of College Events relies on impact of the Events and the number of participants attending the events. More number of participants will attend the event if it provides valuable and useful information or hands-on experience, etc. Hence improving the quality of the events is a must for the college management so that the participant can enhance their knowledge as well as gaining ideas on conducting new events. Enhancing the events will attract many participants and thus providing a way to conduct many new Events.

To improve an Event, the event organizer need to know whether the conducted events are successful and whether the participants are satisfied with the content of the events and whether any other additional features need to be included in the conducted events. Collecting feedback from the participants is an important task to know where the events stand in the participants' perspective. Participants' suggestion allows the event coordinator to know where the event is lagging and where the participant felt uncomfortable. Feedback generally allows the management to analysis and generates a report regarding where to improve and what to improve in the event. Necessity of the feedback is to improve the event and its overall performance. Getting feedback from the event participants is important because it is effective listening, it can motivate both the participants and event coordinators to perform better and it can also improve the performance.

There are various methods to collect the feedback from the participants like collecting through feedback form which is shared by the event coordinator, giving speech about the events and writing a review about the event. All these methods are not advisable as the student may not be willing as they take a long time. Maintaining all the collected information is a tedious task and evaluating them is also not ease.

This paper is organized as follows: Section 1 elaborates the related work carried out by various researchers on Feedback System. Section 2 describes the work of Event's Feedback System. Section 3 gives a brief detail about the implementation of Feedback System. Section 4 provides the outcome of the Feedback System and Section 5 conclude this paper.

Published by: The Mattingley Publishing Co., Inc.

January – February 2020
ISSN: 0193-4120 Page No. 13868 – 13872

II. LITERATURE REVIEW

There are many methods have been carried out in getting feedback and suggestion from college event participants. One of the oldest way of such method is a feedback form in a paper and spaces marked in it where the participants need to write feedback and suggestions. Event Coordinators manually share and collect feedback paper and then evaluate it or summarize it to identify the impact and performance of the events. This method had lots of drawbacks like manual process of sharing and collecting feedback papers consumes more time and also the possibility of participant spending time for giving feedback will be less.

If more participants attend an event, then more volunteers are required for distributing the feedback form to the participants. After collecting the feedback form from the participants, event coordinators had to check the feedback form and summarize the overall data to conclude about the performance of the event that is time consuming and error prone.

[2] have created a web application named online feedback system. It provides a web page through which students and admins access the feedback system. The problem in implementing this method is that the event participants need to have access to the system connected with internet to access the web page.

Even if the participants have smart phones, the speed of the internet connection affects the time of accessing the feedback system. And also the number of participants will create the problem of providing systems for giving feedback.

III. METHODOLOGY

This system is implemented using Android, which is an open source and Linux based operating system for mobile devices. As an Android programming is based on Java programming, it has the advantages of Java and also its own. Such as Rich Development Environment, Reduced cost of Development, Increased marketing and Inter app integration.

Some of the key features of the Android platform are Integrated Browser, SQLite, Media support, Wireless Services, Dalvik Virtual Machine and Application Framework. Android APIs are a development framework that applications can use to interact with the underlying Android system. The following diagram depicts the four-layered architecture of Android platform.

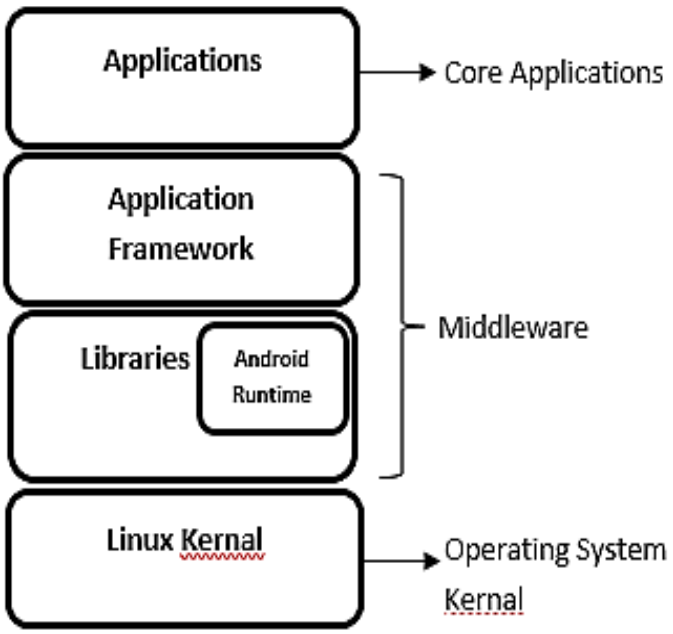

Fig. 1 Android Framework Architecture

In the project, we implement the system, which would be working on the online event feedback; feedback would be given by the participant those who are participating in the event. This would be an alternative and considered as the system of paper and pen method. The participant would be able to react on the particular event based on how the event has influenced them.

These all information on the feedback from the participant get stored and alternate graph is being generated , looking at the graph admin would get the idea how the event went or still running based upon the graph certain positive outcome is being expected from the admin.

Published by: The Mattingley Publishing Co., Inc.

January – February 2020
ISSN: 0193-4120 Page No. 13868 – 13872

IV. IMPLEMENTATION

Feedback System:

Feedback form in a paper and spaces marked in it where the participants need to write feedback and suggestions. Coordinators manually share and collect feedback paper and then evaluate it or summarize it to identify the result of the event or performance of the event.

Previous form of giving feedback in a paper had lots of disadvantages manual process of sharing and collecting feedback papers consumes more time and also the possibility of participants giving feedback is less. It need more volunteers for distributing and collecting the feedback form throughout the students. After collecting the feedback form from participants, coordinators had to check the feedback form and getting the result also need lots of time. The cost of this mechanism of collecting feedback is also high.

USER MODULE

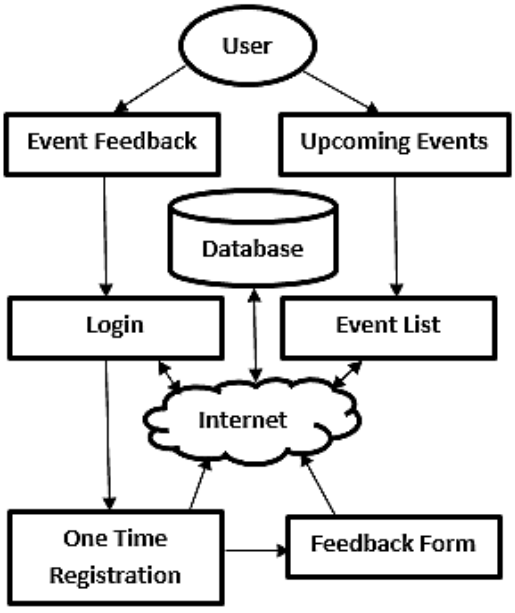

Fig. 2 User Work Flow Architecture

1) User

The feedback system architecture (user) provides the information about the operations available for the user to interact with the feedback system .it consist of two modules:

- Upcoming Events
- Events Feedback

1. Upcoming events

The upcoming events will display all the upcoming events with date time venue that is yet to take place in the college.

2. Events feedback

This module allows the user to provide feedback for the ongoing events it also provides the mechanism to identify the users and for storing their feedback in the server database.

Events feedback allow the participants to give the feedback about the events they participated .If the user opens the application for the first time the user will be prompted to register otherwise directly they can give the feedback. Once the registration process completed it shows the login page .Then the users is required to put the code that was shared by the event coordinator to provide feedback. Now the participants gets into the event feedback page and can give their feedback.

ADMIN MODULE

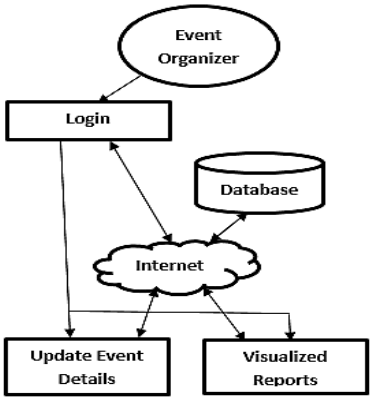

Fig. 3 Event Organizer Work Flow Architecture

2) Admin

Admin upload the upcoming events details like date, time venue event name and user login code. Event coordinators are the admin here and they only have

Published by: The Mattingley Publishing Co., Inc.

January – February 2020
ISSN: 0193-4120 Page No. 13868 – 13872

the authorities to upload any details related to upcoming event and they only can make any change in event details. Event coordinators have the Authorities to generate their own user application code for securing that application

If suppose in a day there will be two different events in a different time then there will be different user application code. Event coordinators can view result of the feedback from this view report only. Event coordinators can analyze where the event is lagging and where the participant felt uncomfortable and can analyze the effectiveness and usefulness of the event. And also participants can give suggestions or some changes that they want.

The Event Coordinators can use the following types of charts to view the Feedbacks.

Pie chart: pie chart can only display one series of data Excel uses the series identifier as the chart title. Pie chart legends contain the column headings from the worksheet. It is possible to customize the design of the pie chart so either the numeric values or the percentages display inside the chart on top of the slices of the pie.

Column chart: column chart very effectively shows the comparison of one or more series of data points. Event coordinators can view or compare which event feedback is good and which one needs changes.

Line chart: line chart is equally effecting in displaying trends for multiple series.

V. EXPERIMENTAL SETUP & RESULTS

This work has been implemented with the sample users of 50. The users with different Android OS versions are also checked against this work. Initially some problems identified in user interface while working in different android mobile screens. After collecting the bugs, it got rectified and once again tested in multiple devices. The following diagram depicts the User Interface of this work along with its functionality.

A. Admin App

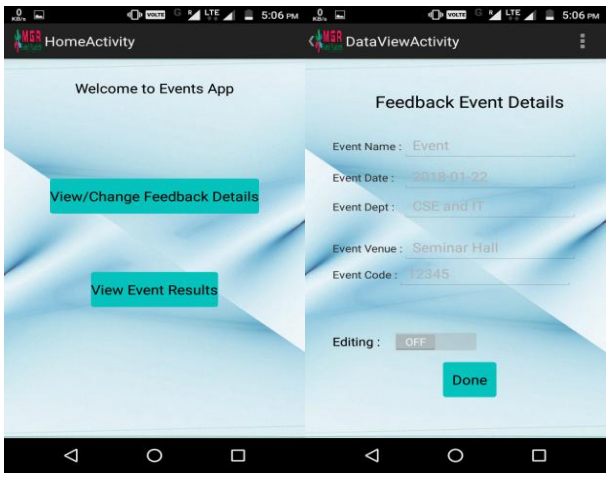

Fig. 4 First Page **Fig. 5 Upload Event Detail**

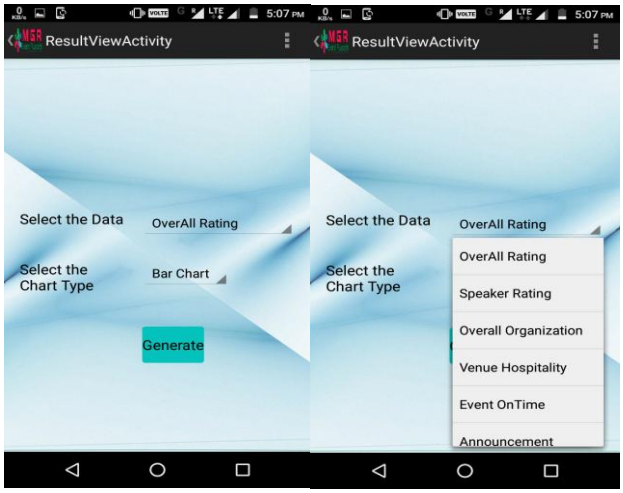

Fig. 6 View Result **Fig. 7 Feedback Question list**

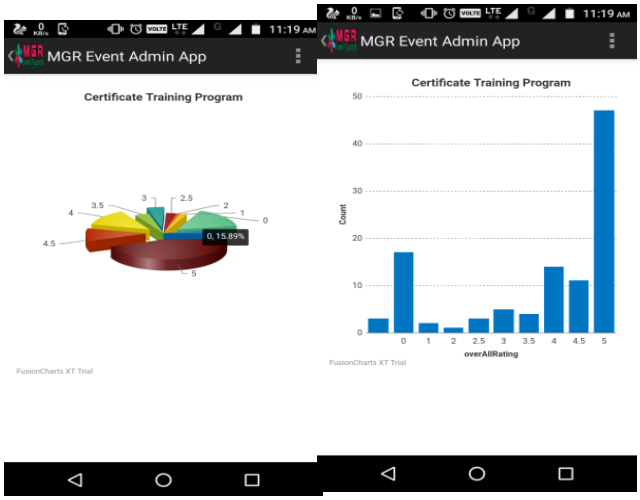

Fig. 8 Result in Pie Chart **Fig. 9 Result in Column Chart**

Published by: The Mattingley Publishing Co., Inc.

January – February 2020
ISSN: 0193-4120 Page No. 13868 – 13872

B. User App

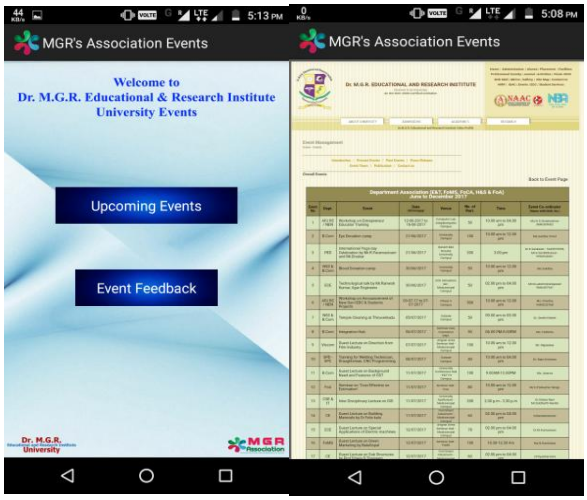

Fig. 10 First page **Fig. 11 Upcoming Event**

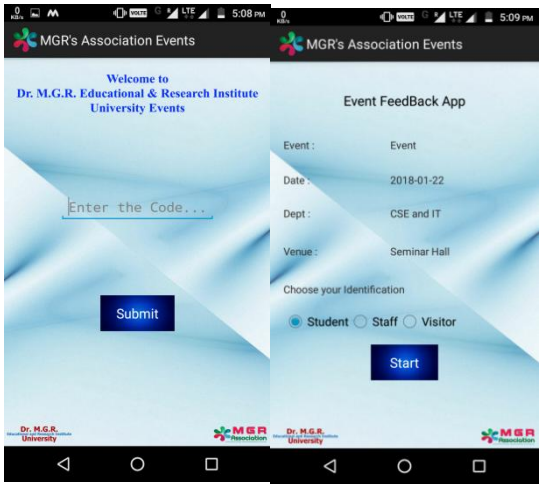

Fig. 12 Feedback login **Fig.13 First Screen Page (Event Detail)**

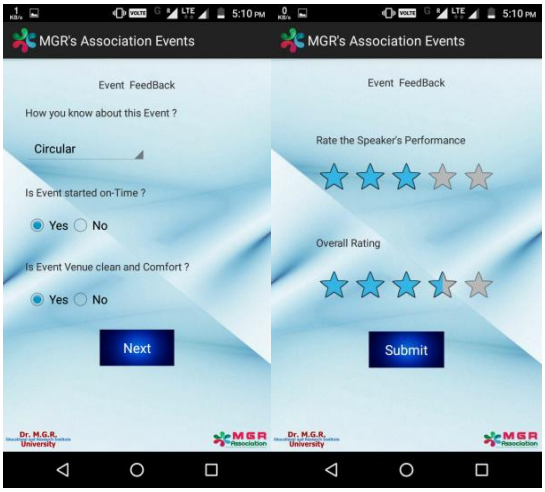

Fig.14 Feedback app 2nd Screen **Fig.15 Feedback app last Screen**

VI. CONCLUSION & FUTURE WORK

This project is design for the purpose to reduce the burden of maintaining huge amount of records of Feedback sheets. At the time of feedback analysis, the event organizer can easily generate the reports about the event's feedback with a single click. As the comparison with manual feedback or existing feedback system the new system is easier way to manage whole things in an organized manner. As per the existing system it is very easy process to save each and every record of individual participant feedback by the use of database. As a future work, this work can be implemented in other mobile platforms like Apple iOS, Windows.

REFERENCES

[1] RaushanChaurasiyaYash Raj Sharma "Faculty FeedBack System Specification" Version - 0.1 28th Nov 2015, 7CS6 Minor Project

[2] Akshay Jedhe1, Nitish Prabhu2 ,Mandar Temkar3 ,(Prof.)Ankit Sanghavi4 "Online Feedback System" March 2017, IJRASET , IC Value: 45.98

[3] Ms. Sana Rahman1, Mr. Amit P. Raut2, Mr. Adnan S. Ahmed3 , Mr. Shubham S. Junghare4 "Online Student Feedback System" IJRISE, Special Issue: Techno-Xtreme 16, pg. no. 224-230

[4] Divyansh Shrivastava1, Shubham Kesarwani2, Amol K. Kadam3, Aarushi Chhibber4, Naveenkumar

[5] Jayakumar5 "Online Student Feedback Analysis System with Sentiment Analysis", Vol. 6, Issue 5, May 2017.

Published by: The Mattingley Publishing Co., Inc.