

***Project Report***  
***On***  
**BULLETIN BUZZ**  
**(Android Application)**  
***Submitted for***  
***Partial fulfilment of the degree in***  
**Bachelor of Engineering**  
**(Computer Science & Engineering)**  
**Fifth Semester**

***By***  
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**(An Autonomous College of Rashtrasant Tukadoji Maharaj Nagpur University)**  
**2014-2015**

# **CERTIFICATE**

*This is to certify that the Project Report on*

## **BULLETIN BUZZ (Android Application)**

*Is a bonafide work and it is submitted*

*For partial fulfilment of the degree in*

**Bachelor of Engineering in Computer Science & Engineering**

**Fifth Semester**

*By*

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*During the academic year 2013-2014*

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2014-2015

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## **ABSTRACT**

Today, the life of college students is quite busy. Also, in this era of technical advancements students waste their lot of time trying to see the crowded college notice boards. Sometimes they miss out the important one. Other factors are collecting notes for studies, consulting inappropriate people for career guidance, etc. This time can instead be utilised constructively for other purposes.

So, a solution to this is make notices available on handheld devices through Internet. For this we have developed an informative, communication-friendly application for our stakeholders— Students, HODs, Professors, Administration, and Alumni. The application Bulletin Buzz, developed for Google Android Phones, aims at providing an interface to enable communication between various stakeholders. Since almost all of us own a smartphone today, app provides information on the move, and also keeps the user informed regarding activities of his/her interest. Also, it lets them post. Different stakeholders are provided with different permissions for accessing various features of the app.

The Project is developed in Java Programming Language by using Eclipse 3.8 (JUNO) Integrated Development Environment (IDE). We have used Android Software Kit (SDK) which provides Android SDK build-tools for building apps for Android 4.4.2 (API 19) platform. It also provides an Android Emulator and ADT plug-in for Eclipse. Sql Database is used for storing information on server.

# 1. INTRODUCTION

In this technically advanced world, almost everyone of us has an access to Internet and smartphones .Smartphones are used to accomplish our daily tasks.But,still today our system needs improvement in some places,like notices about assignments and projects given, tests, technical and co-curricular events, sport activities, intra-college and inter-college fest organised, etc. Other issues often faced are arranging notes and books for studies, keeping journals up-to-date, and finding time for self-study. Sometimes, managing all these things together can be difficult.

Moreover, notices regarding various things keep coming up. These can be regarding examination forms, seminars, courses, electives, workshops, or upcoming technical events and sport activities. There is always a “last date” associated with each of these events. If you do not come to know about an event in time, you may miss the deadline of form submission. If you do not submit an examination form in time, you are liable to late fees. The biggest problem with keeping track of all these activities is that the notices informing about these are often displayed in all different departments. Those relating to sports are displayed on the sports department’s notice board, those relating to examination forms are put up on the admin notice board, and the notices concerning the First Year Dept. are displayed on their board. Running from department to department for checking notices can be very time- consuming and inconvenient.

Another problem most students face is regarding options after engineering. They are confused between the different career options available after graduation. This confusion leads them to consult the wrong people many a times. They give either incomplete or incorrect information to the students. This improper advice results in wastage of time and may even add further to the confusion in the minds of the students. It is very much necessary to consult the right person when seeking counselling on such important issues. In such a situation, a person who has already completed that particular course or who is currently pursuing that course can guide best.

Our application is a user-friendly, efficient, and portable solution to the said problems.

## 2. DISCUSSION

### 2.1.Methodology

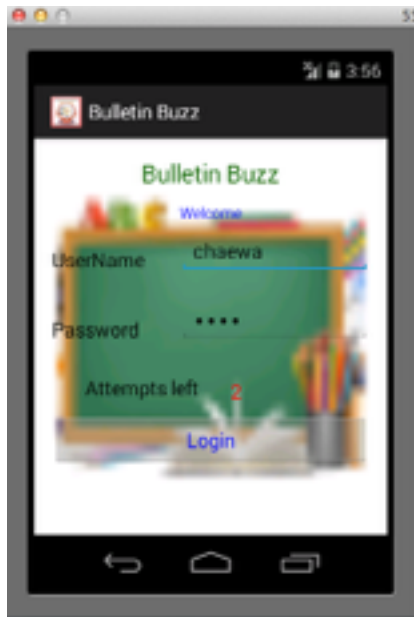
This chapter encompasses various snapshots and description of each the Application Activities on EMULATOR.The description involves the working and features provided to user in each Activity.The application basically consists of seven different sections for communication. The user can choose between the seven sections or may logout. Also,a user cannot post an empty notices/news.This will prevent user from posting blank things and will show a Error message “Please enter Item”. The application starts by selecting the icon of Bulletin Buzz is shown in Fig1.1 .



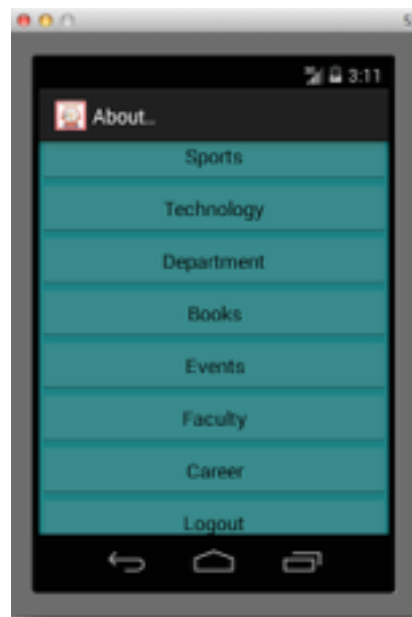
**Fig 1.1**

### 2.2.Login Activity

In this activity, user needs to enter their unique Internet username and password given by college.This data is now checked for valid authentication through server database.As only 3 attempts have been given to each user,so on wrong credentials the snapshot is as shown in Fig 1.2 . When no attempts are left , the login button is disabled for that user. On successful login,the user enters into second activity as shown in Fig1.3 . One may logout through the “Logout” button, provided at the bottom of list as shown in Fig 1.3 .



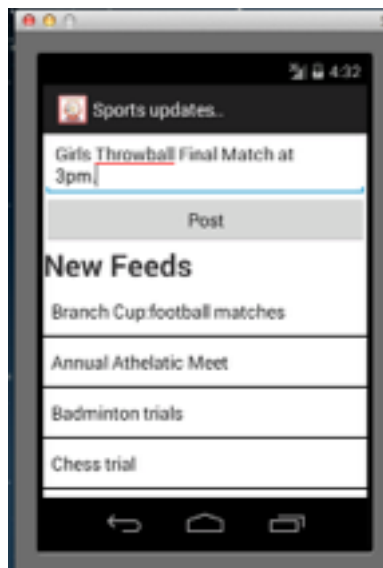
**Fig1.2**



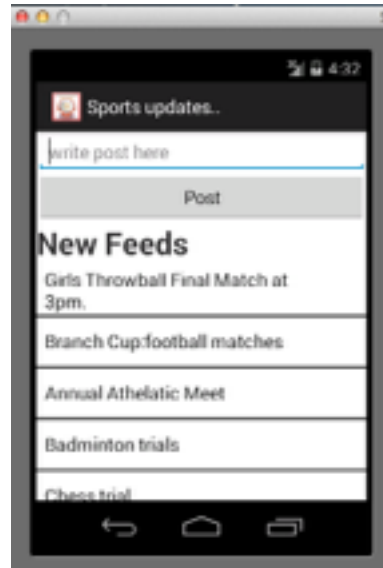
**Fig 1.3**

## 2.3 Sports

The Sports Dept. has permission to post here. The “Post” button has been provided to notify about all upcoming events such as trials for various games. This would enable the interested students to always be prepared for giving trials for qualifying in the games they are interested in. This would also help the college in the way that the chances of the best players representing the college in various sports would increase. One can scroll through the posts to know the latest happenings as far as sport activities are concerned. To add post simply write post and click on “Post”. It will be added to the list as shown in Fig2.1 and Fig2.2 .

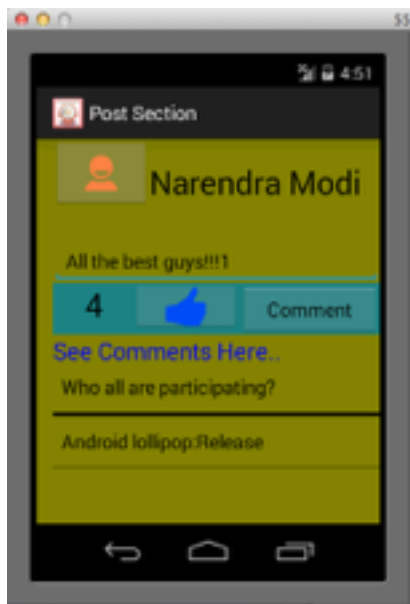


**Fig2.1**

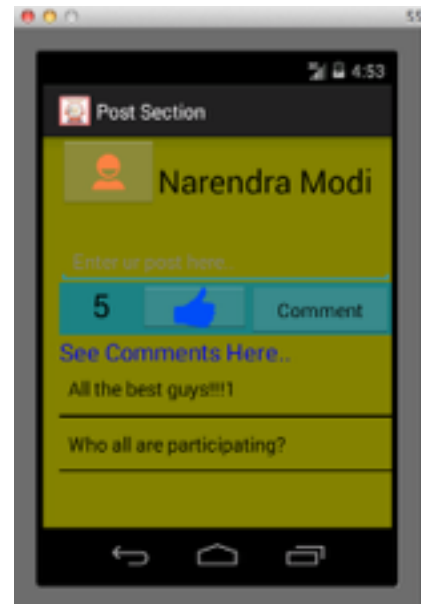


**Fig2.2**





**Fig2.3**

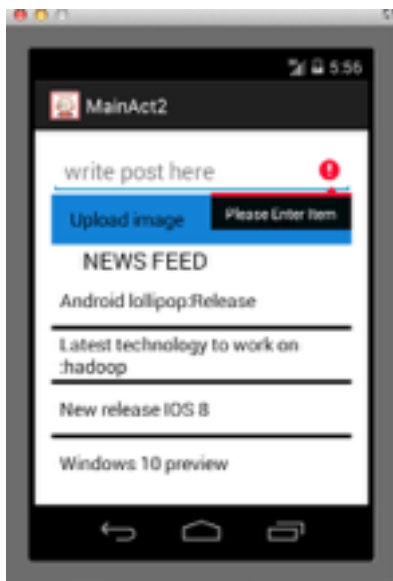


**Fig2.4**

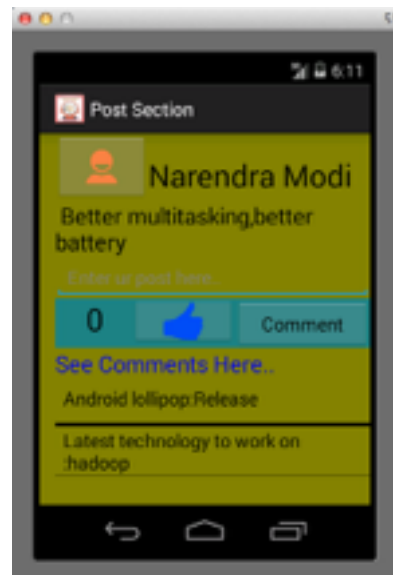
Any user can add comments for a particular post and hit like. Also if a user posts an empty or blank post, it will show a "Please Enter Item" Error message. and thus prevents user from posting empty notices.

## 2.4 Technology

Students are often unaware about various technologies being promoted in campus. A student belonging to a certain department may not come to know about a tech-event of some other department. The technology section of our app provides a platform where all technical departments can post regarding their technological activities, keeping students better informed. The view is scrollable again here and no empty posts are allowed.



**Fig 3.1**

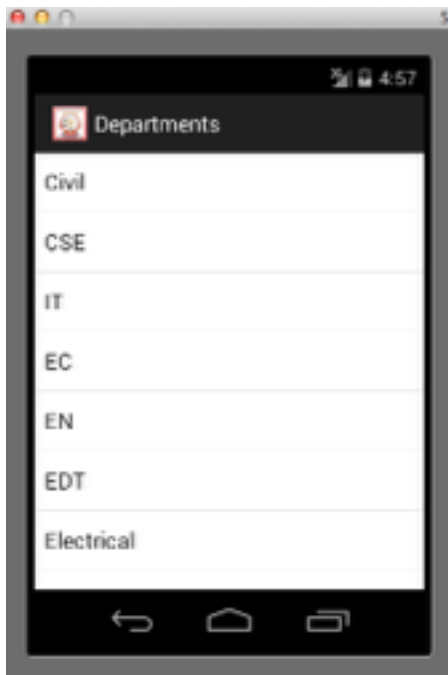


**Fig 3.2**

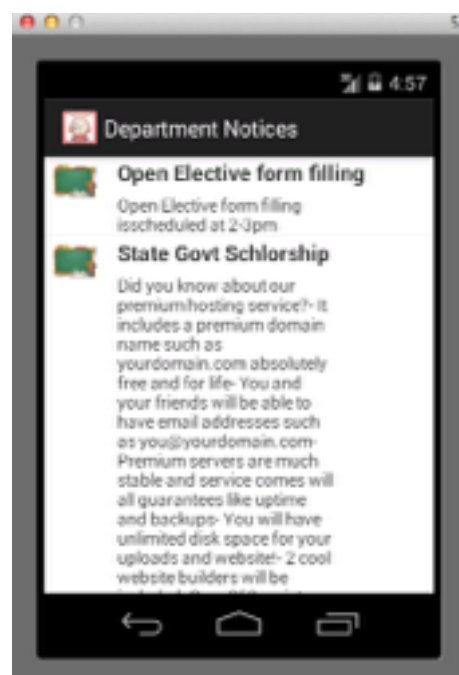
On selecting a Tech-news from NEWS FEED another activity as shown in Fig3.2 opens. It shows about the post selected in detail. It allows user to like and comment.

## 2.5 Department

This section provides an interface where the Admin, the First Year Dept., and the departments of all branches can upload notices for the students. Fig 4.1 shows the scrollable list for it. Such common interface for all notices solves the problem that students face because of different notice boards for each and every department, chaos surrounding notice boards, etc.



**Fig 4.1**



**Fig 4.2**

On selection of a department, from activity shown in Fig 4.1, the news blog of that respective dept. is displayed as shown in Fig 4.2.

## 2.6 Books

This is a platform for direct communication between students and their seniors. In this a list of books and name of student having that book is available as shown in Fig 5.1. Students can post about books, journals, notes, question papers, etc they have. Fig 5.2 shows about the post being written and updated list is shown in Fig 5.3. So, other students will get to know about it and hence they can get the material from them.

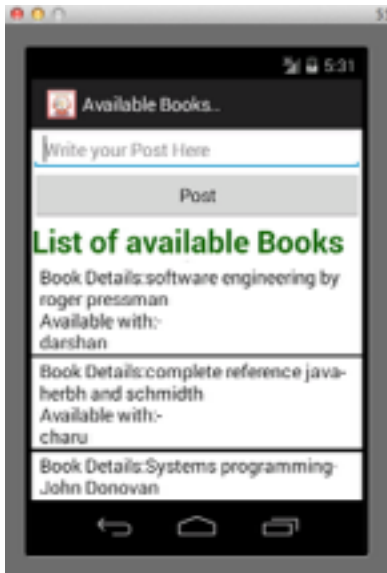


Fig 5.1

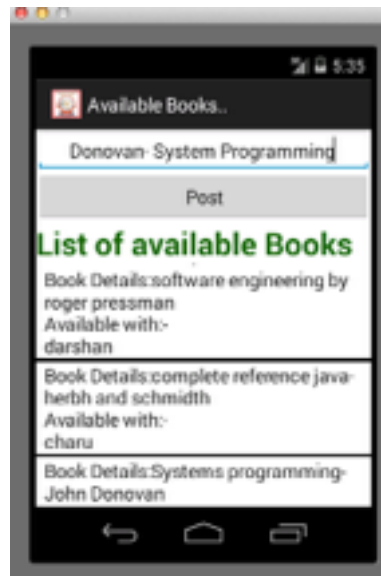


Fig 5.2

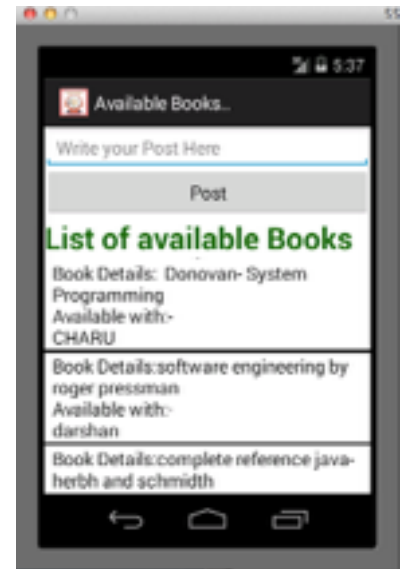


Fig 5.3

## 2.7 Events

This section is for students to know about the co-curricular activities to be held in college, which may be held as a part of some fest or cultural programme scheduled. The admin has permission to post here. A click on the “Post” button enables the text written to be uploaded. Students can scroll through the posts to find events of their interest.



Fig 6.1

## 2.8 Faculty

This section is for students to know or search about Faculty .A list of all the faculty members is available here..Some details like about their free/availability time ,where can we find them and they image is given.This helps students,especially new to college , to easily find ,identify them by picture,and reach faculty in college.

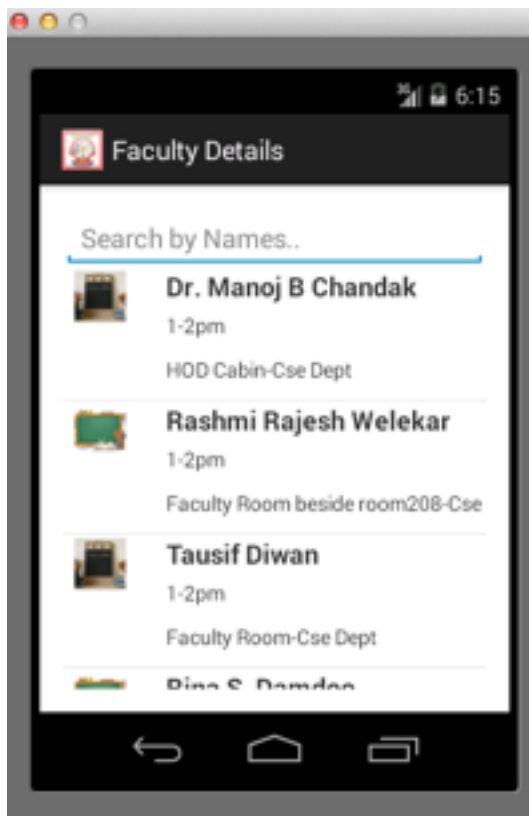


Fig 7.1

## 2.9 Career

The career section enables direct communication between the students, alumni, and professors. All the three have permission to post here. Students can put up their doubts regarding career options after graduation, such as which courses to pursue, and the colleges providing those courses. Alumni who have completed or who are going through that particular course can guide them from their own experience, and thus help significantly in shaping their future. Similarly, professors can also share their knowledge, and help them in choosing the appropriate stream in which to study further. They can post in response to the queries.

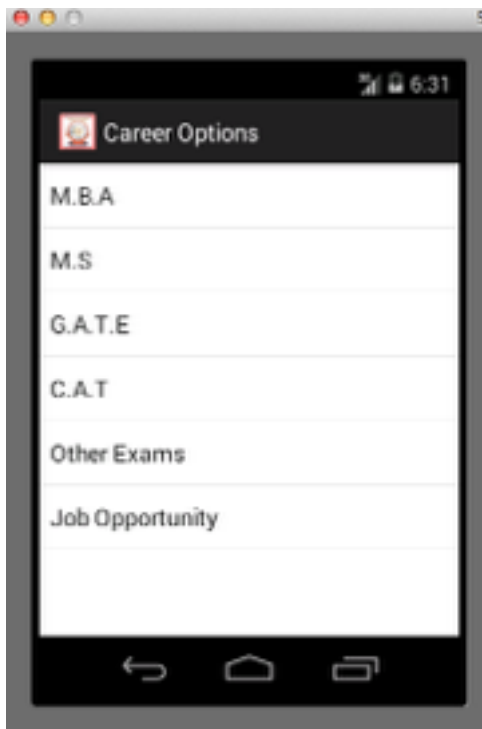


Fig 8.1

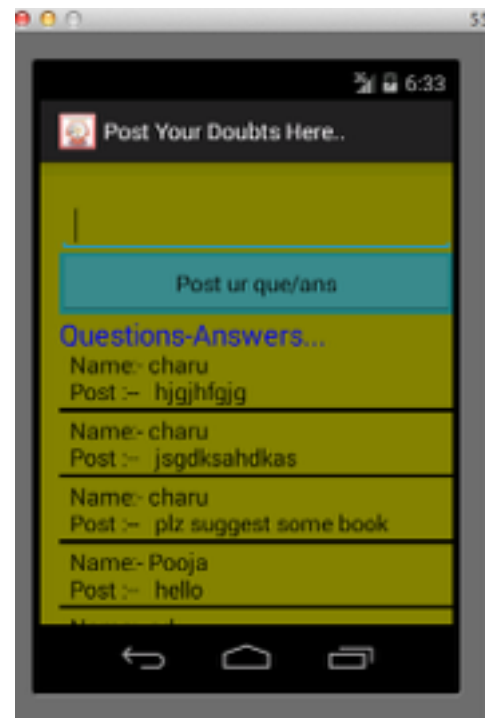
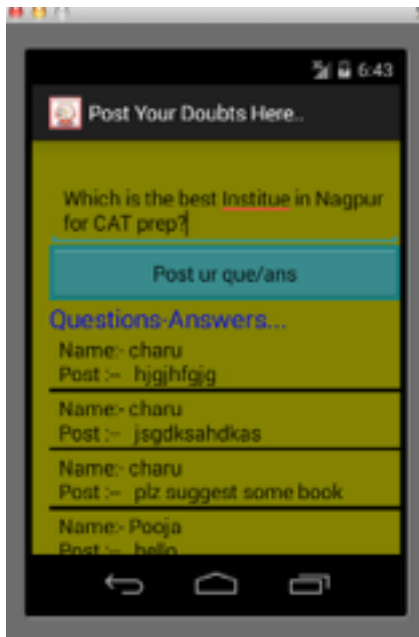
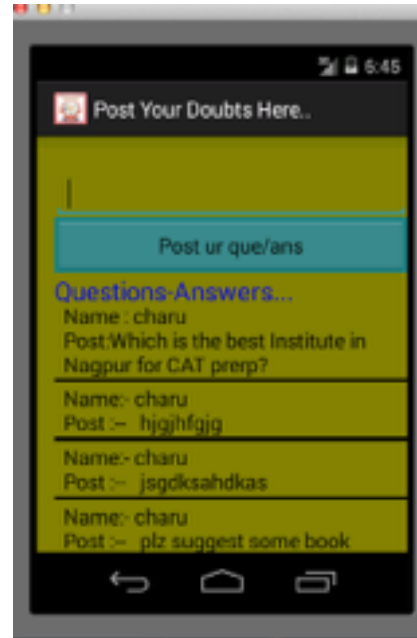


Fig 8.2



**Fig8.3**



**Fig 8.4**

The Activity shown in Fig 8.1 provides a list of major career options blog. The user may select any options accordingly and then next Activity starts as shown in Fig 8.2 . This contains all the questions and answers posted by users on that particular section. The basic layout for all the career options remains the same. Only the posts get updated through server database according to the selected career options by user.

### **3. Conclusion :**

Our application BULLETIN BUZZ thus has been designed successfully. It will help to solve the notices problem. Now each and every student can get the notices in their hand as each and everyone of us carry portable devices. Thus the application is meant to implement at college level to enhance the communication problem. It will help the students to get clarified with all the queries or issues related to the books, events, the upcoming technology details, etc. Also they can get the details regarding career options after graduation they can opt for. Through this application students can interact with the teachers effectively. Hence this application can be used widely and help the students to save their time and stay updated.

### 3.1 Reference

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