

Project Thesis Entitled  
**FEEDBACK APPLICATION USING ANDROID**

Submitted To



In partial fulfillment of requirement of the diploma in  
**COMPUTER TECHNOLOGY**

By

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Nagpur

Under the guidance of

**Prof. Bhushan Deshmukh**

Head / Lecturer in department of Computer Technology

Dharampeth Polytechnic

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2015-16

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## FEEDBACK SYSTEM USING ANDROID



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2015-16



Department of Computer Engineering

## CERTIFICATE

This is to certify that the thesis entitled “Feedback System Using Android” is being submitted by Shashank Kapile, Susmit Kulkarni, Akshay Pokle, Sanchit Wakekar, for the partial fulfillment to award of diploma in Computer Technology, is a record of bonafide research work carried out by them. They have worked under my guidance and fulfilled the requirement for the submission of this thesis during the session 2015-16.

Project Guide

Prof.Bhuvan Deshmukh

Principle

Prof.M.M.Baxi

Head of Depart.  
Mrs.S.kshirsagar

External examiner



Department Of Computer Technology

## DECLARATION

We the undersigned declare that the thesis entitled “Feedback System Using Android” is submitted by us for the award of diploma in Computer Technology is a record of bona fide research work carried out by us. We have worked under the guidance of Prof. Bhushan Deshmukh and fulfilled the requirement for the submission of this thesis during the session 2015-16.

SHASHANK KAPILE

AKSHAY POKLE

SUSMIT KULKARNI

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Nagpur

2015-16



Department of Computer  
Technology

## ACKNOWLEDGEMENT

Our application will help to reduce the use of papers for giving feedback. It will help to digitize the full process of giving the feedback. The calculation will be done by our application itself. It will help to reduce the amount of money spent on feedback. It will also help to reduce the labor word required in the process of feedback.

SHASHANK KAPILE

AKSHAY POKLE

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SANCHIT WAKEKAR

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Nagpur

2015-16

## CONTENTS

Abstract

List of Figures

1.0) INTRODUCTION

1.1 Why ANDROID?

2.0) NEED and Description

2.1 What is feedback?

3.0) Requirement and Specification

3.1 Software Requirement

4.0) Modules and Functionality

4.1 Modules

4.2 Web Interface Screenshots

5.0) Future Scope

6.0) References

## ABSTRACT

We found that most of the colleges including ours were using papers for giving the feedback on every semester basis. Each time hundreds of copies has to be printed for feedback process. So to avoid this use of paper and to be eco-friendly we thought of taking the help of the technology. And thus the concept of giving the feedback using a Smartphone came to our mind. This will help not only to reduce labor work but also the finance required for feedback. Also the work of calculating the result of feedback manually is avoided. By taking a survey we came to know that Android phones are mostly used by people so we made out mind to work on Android to make this project a success. This project will help to curb the unnecessary waste of time and money. Android is an open source concept so we adopted this technology for out project. This project will help all the students to easily give the feedback from their home or any other place if they are absent in the institute by any reason on the day of the feedback. It has a very flexible type of design and also a very easy to understand user interface. All the functions are available just at a click. Head of Departments and teachers will also be able to minimize the workload of taking feedback. Principle will also be able to view the results of the feedback any time by just using His/her system. So overall this project will be a boon for every College and Institute where feedback is taken.



## 1.0 Introduction

### 1.1 why Android ?

**Android** is a mobile operating system currently developed by Google, based on the Linux kernel and designed primarily for touch screen mobile devices such as smart phones and tablets. Android's user interface is mainly based on direct manipulation, using touch gestures that loosely correspond to real-world actions, such as swiping, tapping and pinching, to manipulate on-screen objects, along with a virtual keyboard for text input. In addition to touch screen devices, Google has further developed Android TV for televisions, Android Auto for cars, and Android Wear for wrist watches, each with a specialized user interface. Variants of Android are also used on notebooks, game consoles, digital cameras, and other electronics.

Android's source code is released by Google under open source licenses, although most Android devices ultimately ship with a combination of open source and proprietary software, including proprietary software required for accessing Google services. Android is popular with technology companies that require a ready-made, low-cost and customizable operating system for high-tech devices. Its open nature has encouraged a large community of developers and enthusiasts to use the open-source code as a foundation for community-driven projects, which add new features for advanced users or bring Android to devices originally shipped with other operating systems.

Android has different versions:

Apple Pie 1.0

Banana Bread 1.1

Cupcake 1.5

Donut 1.6

Éclair 2.0

Froyo 2.2

Ginger Bread 2.3

Honey Comb 3.0

Ice Cream Sandwich 4.0

JellyBean 4.1

Kit Kat 4.4

Lollipop 5.0

Marshmallow 6.0

## **2.0 NEED and Description**

### **2.1 What is Feedback?**

Feedback is the performance test of a particular person in an organization or industry. Feedback is given to check about the functionality of the person and his behavior within an organization. Many aspects are taken into consideration while giving a feedback about someone. Feedback helps to improve the performance of a particular person, which gradually leads to the growth of an individual and also organization.

Taking feedback is a tedious job and also to calculate the result of a feedback is not that easy. Hence we decided to have this project to simplify the process and generate an accurate feedback. Our project will help reduce the time and money wasted for taking and calculation the feedback within an organization.

## 3.0 Requirement and Specification

### 3.1 Software Requirements

- **Luna Eclipse**  
Eclipse is an integrated development environment (IDE). It contains a base workspace and an extensible plug-in system for customizing the environment. Eclipse is written mostly in Java and its primary use is for developing Java applications, but it may also be used to develop applications in other programming languages through the use of plugins.
- **Android SDK**  
A software development kit that enables developers to create applications for the Android platform. The Android SDK includes sample projects with source code, development tools, an emulator, and required libraries to build Android applications.
- **Firefox**  
Mozilla Firefox (or simply Firefox) is a free and open-source web browser developed by the Mozilla Foundation and its subsidiary, the Mozilla Corporation. Firefox is available for Windows, OS X and Linux operating systems, with its mobile versions available for Android, and Firefox OS

### 3.2 Hardware Requirement

- **Android Based Phone**

Average Screen Size	:	4.8 inch
Minimum RAM	:	512 MB
Minimum Android Version	:	Froyo (2.2)
- **Computer**

Minimum Processor	:	Pentium 4
Minimum RAM	:	1GB

## 4.0 Modules and Functionality

### 4.1 Modules

- **Principal Module**

- Principal module is totally on web interface. Principal is the root / admin and has all the privileges. Principal has the most important privilege of enabling and disabling the feedback form according to the schedule.











The screenshot shows the Dharampeth Polytechnic, Nagpur web interface. On the left is a dark sidebar with navigation links: Dashboard, Subject, Question, Result of Feedback, and Students eligible for Feedback. The main content area has a header with the school name and a toggle switch for 'Enable Feedback Form', which is currently checked and highlighted with a red box. Below this is a blue header for the 'HODs' section, followed by an 'Add New +' button and a '5 Per Page' dropdown. A table lists five HODs with columns for Name, Designation, and Email. The table data is as follows:

Name	Designation	Email
Akshay Pokle	Head Of Dept.	akshay@gmail.com
Shashank Kapile	Head Of Dept.	shashank@gmail.com
Sanchit Wakekar	Head Of Dept.	sanchit@gmail.com
Aditya Salunke	Head Of Dept.	aditya@gmail.com
Vishlesh Godhani	Head Of Dept.	vishlesh@gmail.com

Below the table, it says 'Showing 1 to 5 of 6 entries'.









- He has the privileges of adding and removing the Head of Departments (HOD)

The screenshot shows the 'HODs' section of the web interface. It features an 'Add New +' button highlighted with a red box. Below it is a '5 Per Page' dropdown and a search bar. A table lists five HODs with columns for Name, Designation, Email, Mobile No., Branch, and Action. The table data is as follows:











Name	Designation	Email	Mobile No.	Branch	Action
Akshay Pokle	Head Of Dept.	akshay@gmail.com	9874632147	Computer Technology	 
Shashank Kapile	Head Of Dept.	shashank@gmail.com	874593245	Electrical Engineering	 
Sanchit Wakekar	Head Of Dept.	sanchit@gmail.com	8976431257	Civil Engineering	 
Aditya Salunke	Head Of Dept.	aditya@gmail.com	8976421358	Humanities & Science	 
Vishlesh Godhani	Head Of Dept.	vishlesh@gmail.com	8764213589	Mechanical Engineering	 

Below the table, it says 'Showing 1 to 5 of 6 entries'. At the bottom right, there are navigation buttons: '← Prev', '1', '2', and 'Next →'.

- He can also add and remove the Teachers from the web interface.

Professors								
Add New +								
5	Per Page	Search:						
Name	Designation	Email	Mobile No.	Address	Year	Branch	Semester	Action
Meeta Fadnavis	Professor	meeta@gmail.com	8374957365	Nagpur	2015	Computer Technology	Sixth	 
Abhay Baxi	Professor	abhay@gmail.com	8574850954	Nagpur	2016	Computer Technology	Sixth	 
Narendra Bhattad	Professor	Narendra@gmail.com	7987654321	Nagpur	2016	Computer Technology	Sixth	 
Gaursh Patil	Professor	patil@gmail.com	9874631325	Nagpur.	2016	Mechanical Engineering	Sixth	 
Showing 1 to 4 of 4 entries								
← Prev 1 Next →								

- He also has the privilege of adding and removing the subjects of all the branches.

Subjects					
Add New +					
5	Per Page	Search:			
Code	Name	Semester	Year	Description	Action
17106	SOM	Sixth	2016	Structure of material	 
17101	AJP	Sixth	2016	Advance Java Programming	 
17102	JPR	Sixth	2016	JAVA Programming	 
17103	OOM	Sixth	2016	Oriented Modeling and Design	 
17104	MAN	Sixth	2016	Management	 
Showing 1 to 5 of 6 entries					
← Prev 1 2 Next →					

- He can see the result of the feedback on the web interface.

**Result of feedback**

Branch  Semester

5  Search:

Professor	Subject	Rating
Abhay Baxi	PIC	3.4
Gaursh Patil	SOM	1
Meeta Fadnavis	OOM	3.2889
Narendra Bhattad	JPR	3.4222

Showing 1 to 4 of 4 entries

← Prev 1 Next →

- He can also add and remove the questions for the feedback form which will be automatically updated on the application for the students.

**Subjects**

5  Search:









Code	Name	Semester	Year	Description	Action
17106	SOM	Sixth	2016	Structure of material	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
17101	AJP	Sixth	2016	Advance Java Programming	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
17102	JPR	Sixth	2016	JAVA Programming	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
17103	OOM	Sixth	2016	Oriented Modeling and Design	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
17104	MAN	Sixth	2016	Management	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Showing 1 to 5 of 6 entries











← Prev 1 2 Next →

- **Head of Department Module**

- The HODs have the privilege of adding and removing the professors of their respective branches only. They cannot remove the professors from any other branches.

Professors								
Add New +								
5	Per Page	Search:						
Name	Designation	Email	Mobile No.	Address	Year	Branch	Semester	Action
Meeta Fadnavis	Professor	meeta@gmail.com	8374957365	Nagpur	2015	Computer Technology	Sixth	 
Abhay Baxi	Professor	abhay@gmail.com	8574850954	Nagpur	2016	Computer Technology	Sixth	 
Narendra Bhattad	Professor	Narendra@gmail.com	7987654321	Nagpur	2016	Computer Technology	Sixth	 
Gaursh Patil	Professor	patil@gmail.com	9874631325	Nagpur.	2016	Mechanical Engineering	Sixth	 
Showing 1 to 4 of 4 entries								← Prev 1 Next →

- They can add and remove the subjects of their respective branches only and can also add and remove the questions from the feedback form which will be directly updated on the application for the students.

Subjects						
Add New +						
5	Per Page	Search:				
Code	Name	Semester	Year	Description	Action	
17106	SOM	Sixth	2016	Structure of material	 	
17101	AJP	Sixth	2016	Advance Java Programming	 	
17102	JPR	Sixth	2016	JAVA Programming	 	
17103	OOM	Sixth	2016	Oriented Modeling and Design	 	
17104	MAN	Sixth	2016	Management	 	
Showing 1 to 5 of 6 entries						← Prev 1 2 Next →

- He can see the result of the feedback on the web interface of their respective branch anywhere any time, and can also take the printout of the result of the feedback. They can have the list of students who are eligible for giving the feedback

Result of feedback

Branch

-select-

Semester

-select-

Get Records

5

Per Page

Search:

Professor	Subject	Rating
Abhay Baxi	PIC	3.4
Gaursh Patil	SOM	1
Meeta Fadnavis	OOM	3.2889
Narendra Bhattad	JPR	3.4222

Showing 1 to 4 of 4 entries

← Prev

1

Next →



- **Teachers Module**

Teachers can see all the students who have registered through application and then they can make them eligible and non-eligible for giving the feedback based on their percentage of attendance.

**Students eligible for feedback**

Semester 

-select-

Get Records

5 

Per Page

 Search:

Name	Enrollment No.	Semester	Year	Branch	Email	Mobile No.	Address	Is Eligible ?
SUMIT WARUDKAR	1311880002	Sixth	2016	CompTech	sumit@gmail.com	777486302	Address	<input checked="" type="checkbox"/>
SANCHIT	1311880006	Sixth	2016	CompTech	sanchit@gmail.com	7774866699	Address	<input checked="" type="checkbox"/>
SNEHA ROKADE	1311880004	Sixth	2016	CompTech	sneha@gmail.com	777486304	Address	<input checked="" type="checkbox"/>
JOHN	1311880019	Sixth	2016	CompTech	john@gmail.com	9766989944	Address	<input checked="" type="checkbox"/>
ADESH THAKUR	1311880001	Sixth	2016	CompTech	adesh@gmail.com	777486301	Address	<input checked="" type="checkbox"/>

Showing 1 to 5 of 6 entries

← Prev

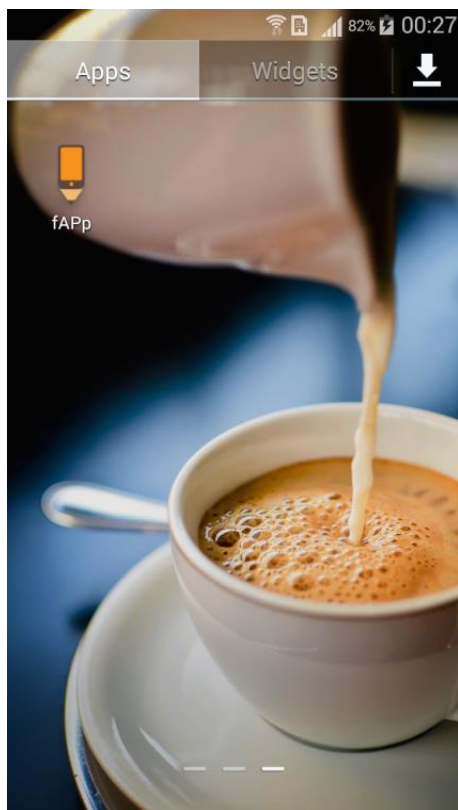
1

2

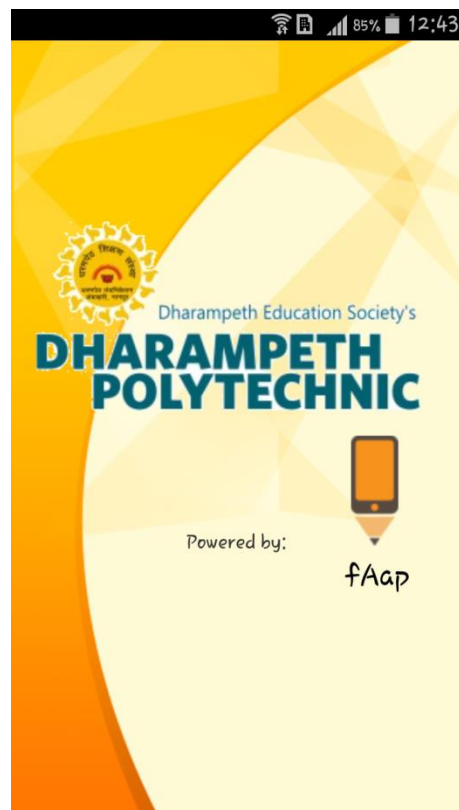
Next →

- **Students Module**

- The student's module is only on the Application and not on the Web interface. If the student is using the application for the first time he/she has to register themselves using their Enrollment number, E-mail ID, Semester, Year, Branch, their phone number and their respective password through the registration form.
- After login in, if the teacher has made the student eligible then the student will be able to see the questions and will be able to give the feedback.



1) App installed on Phone



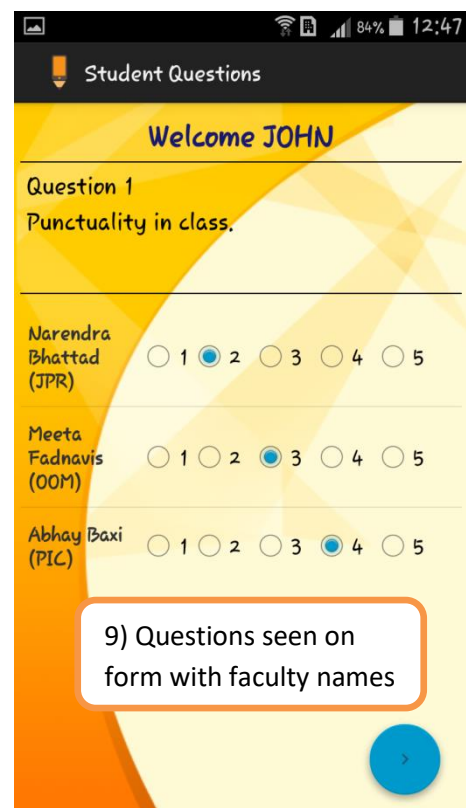
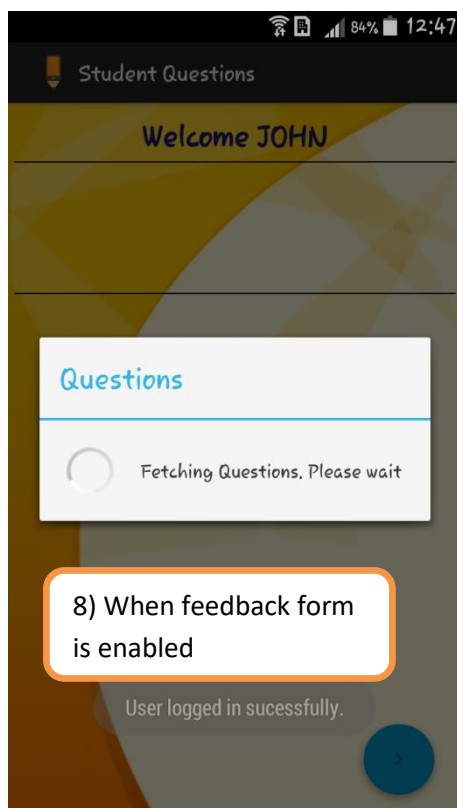
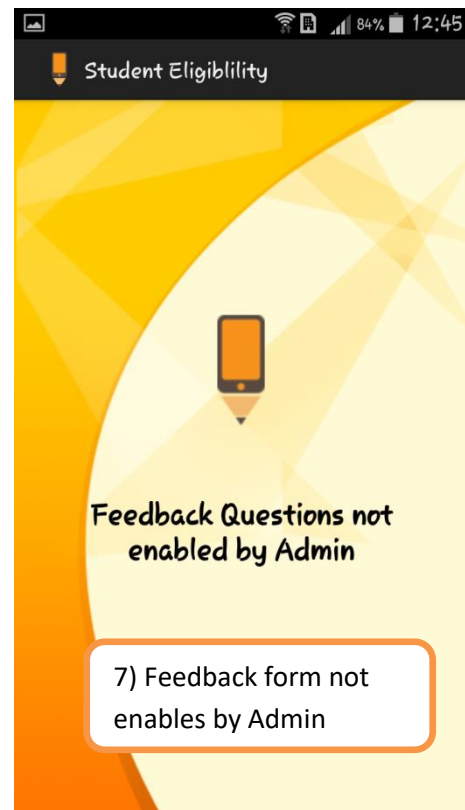
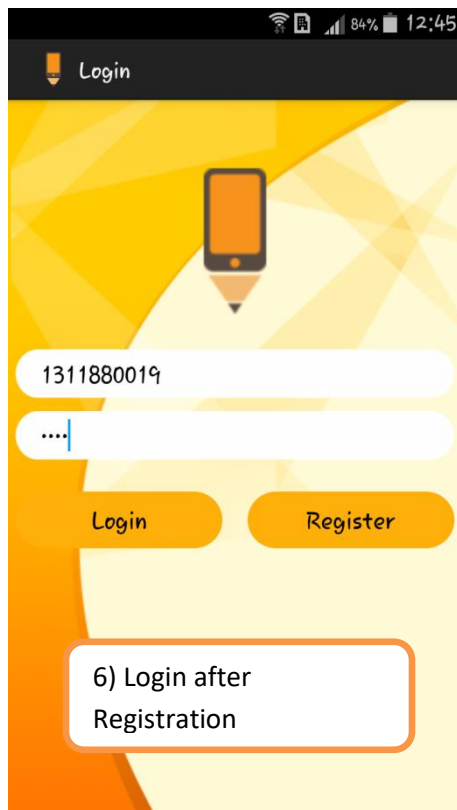
2) Splash screen when app is started

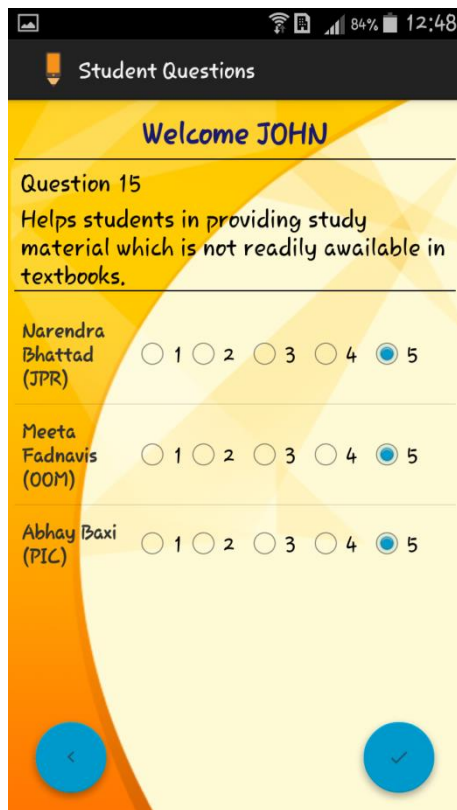
3) Login screen

4) Registration Form

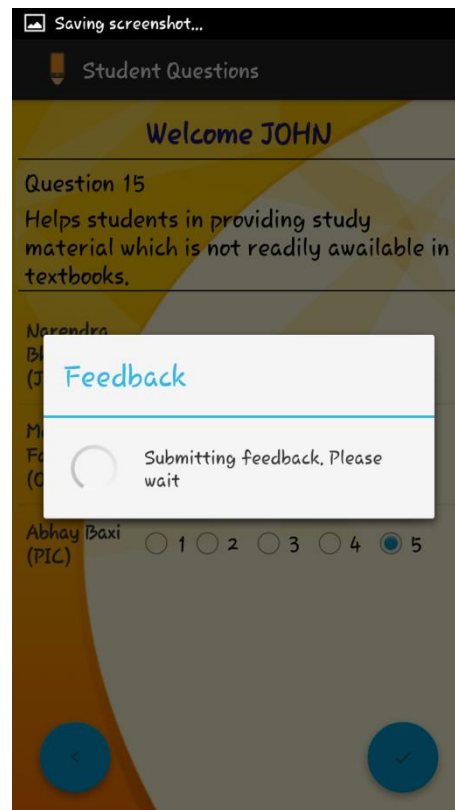
4) Information required on Registration form

5) Submitting Registration form



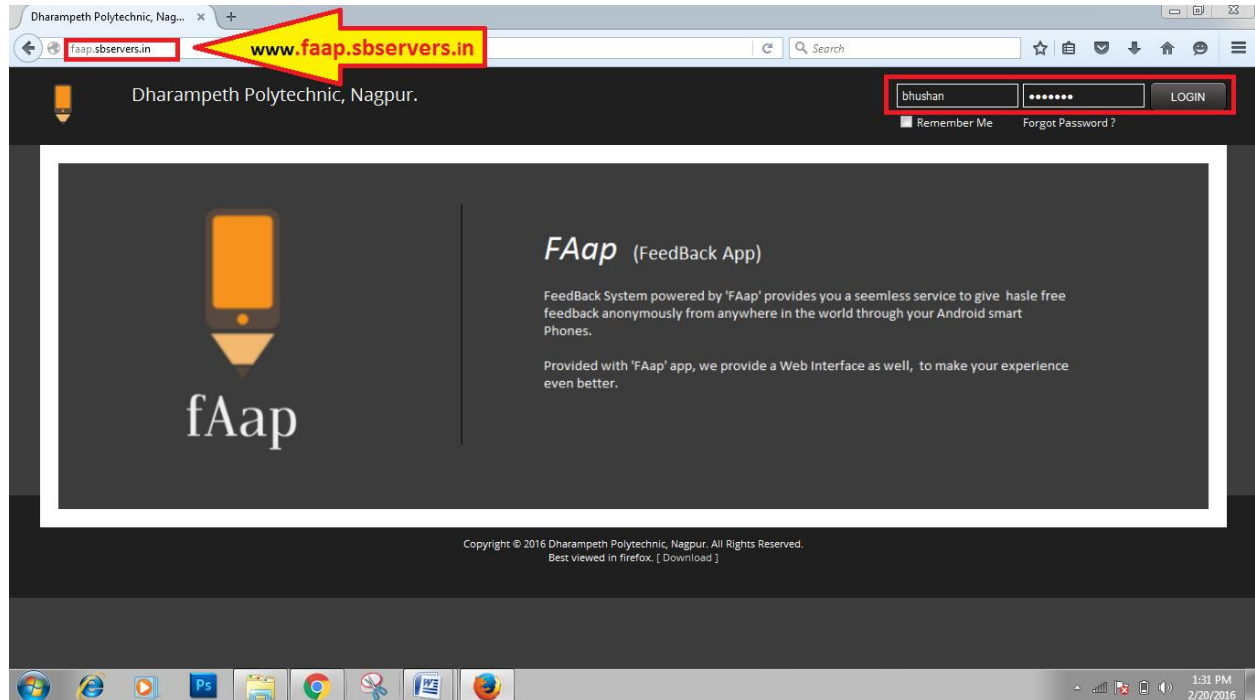


10) Last Question with submit button



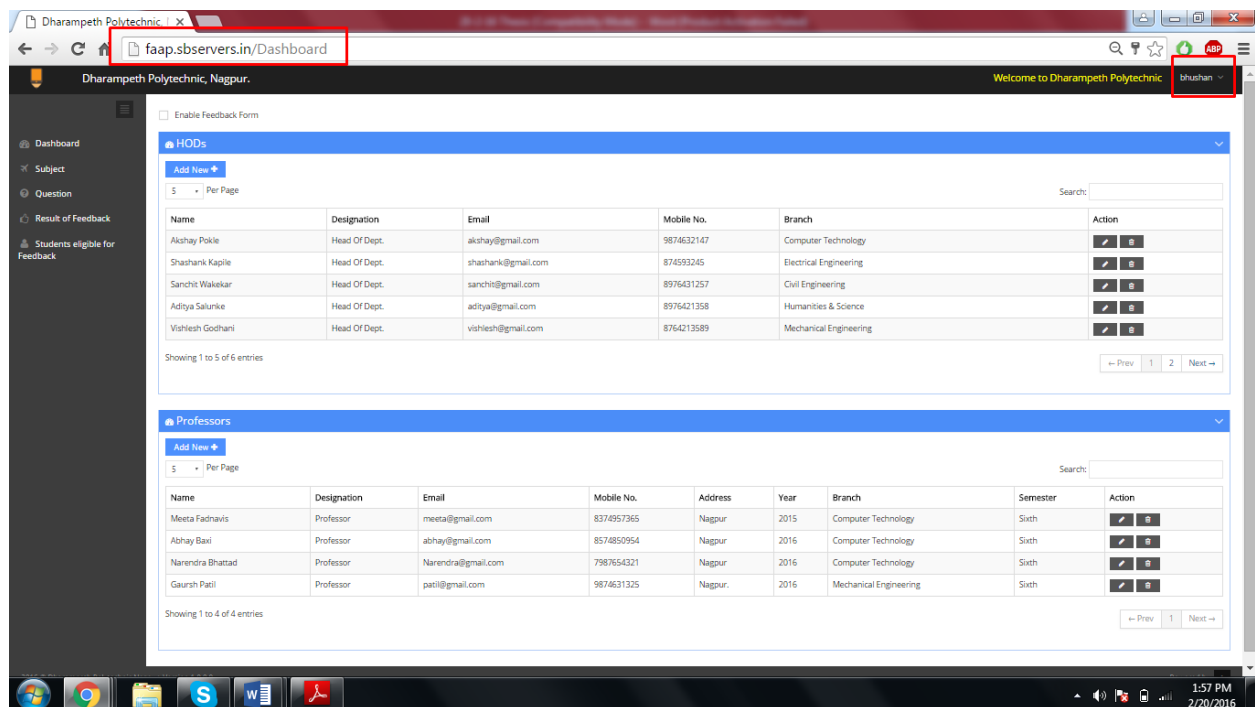
11) Submitting feedback form

## 4.2 Web Interface Screenshots



After Principal, HOD or Teacher logs into the WebInterface

Ex: Principal named “bhusan” logs-in.



## 5.0 Future Scope

By making few changes we can implement many new things in this project itself like TNP (training and placement). Also we are planning to develop this APP on other platform like IOS and Windows.

Also the results which the principal and HOD is getting can be generated graphically. Also to make the APP and Web Interface more flexible from user point of view.

## 6.0 References

1.0 Tutorial point -

[www.tutorialspoint.com/android](http://www.tutorialspoint.com/android)

2.0 Developer Android -

[www.developer.android.com](http://www.developer.android.com)

3.0 Stack overflow

4.0 eclipse -

[www.eclipse.org](http://www.eclipse.org)

5.0 Tutorial Point