



COMSATS Institute of Information Technology  
Park Road, Chak Shahzad, Islamabad

Department of Computer Science

FYP Repository

Submitted By:

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Sp12-Bcs-016

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Sp12-Bcs-027

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## **Category of our project**

○ Web Application and Mobile Application

### **1.1 Problem Statement**

Currently FYPs are being managed through Dropbox & Google site. FYP portal exists but students does not cover many use cases. There is no history of previous projects and no instantly evaluation of projects by FYP committee. Students are unable to check their remarks regarding their projects after their presentation. Students have difficulty to share their personal ideas on FYP portal where a member of PC can supervise them. FYP portal doesn't interact PC to students where students get feedback regarding their queries. Students also have difficulty to see the announcement of any project allocation, scheduling and student have no information about seminars of FYP's that are conducting for final year students.

### **1.2 Problem Solution**

An existing FYP portal system is their but with limited functionality. A new FYP portal needs to be developed which will address the issues of existing system and will add the new features. It is need to shifting the whole process of FYP management on our local server with more features, flexibility and convenience. In this portal, student can check projects of previous years, share their ideas for FYP with PC and they can easily get notifications and updates about their FYP's.

A web based and mobile application shall be developed where PC evaluates the students during their presentation and students can get their remarks from PC instantly after their presentation. Students can also get feedback after putting their queries in the portal. Students will also updated with a calendar that will notify the students to schedule their time.

### **1.3 Advantages/Benefits of proposed system**

Student can obtain information from different milestones of their FYP's but advantages of our proposed systems are as follows:

- Students can obtain necessary information of their FYP's from the FYP portal. Such as scope template and other document templates etc.
- FYP Students will send messages/quires to PC members and their supervisors on this portal.
- Best feature of this portal is that PC will be able to evaluate the students during their presentation and student can see their remarks from PC.
- Previously developed FYPs can be explored on this portal.
- FYP students will be updated with new announcements.

### **1.4 Scope**

The FYP portal shall have four main components, such as students, department (admin), supervisors, project committee.

Students will be registered by their department's administrator and administrator will assign the password regarding students' registration number (Reg. #). Students can view projects that are listed on the portal. Projects shall have a status (assigned or not-assigned).

The department (admin) will register the students and they can add notification to alert the students. Supervisor will supervise those students who are listed on the FYP portal. CU Online will not connect with this portal.

Instantly evaluate the students and instantly student can check their remarks. Project committee will evaluates the students during student's presentation and student will get remarks after their submission and presentation on the portal.

## **Modules:**

**All the modules and features given below are from the perspective of FYP Portal.**

1. User Management  
User can be a student, supervisor, co-supervisor and project committee member. User management will do as follow:
  - a. Add, Delete, View user.
  - b. Add, Delete, View proposed projects
2. Project Management
  - a. Upload projects
  - b. Assign projects to students
  - c. De-assign projects
  - d. Track progress of projects currently develop
3. Notification Management
  - a. Add notification related to projects.
  - b. Update notification.
  - c. Delete notification.
  - d. View all projects notification.
4. Evaluation Management
  - a. Add evaluation remarks
  - b. Update remarks
  - c. Delete remarks
  - d. View remarks
5. Schedule Management
  - a. Create schedule.
  - b. Update schedule.
  - c. View schedule.

### **1.5 Constraints**

The FYP portal will be useable for computer science department. The time constraint is that the project is being developed as a requirement of BS degree and it must be completed in one year.

1.6 Tools and Technologies

Visual studio, Eclipse, SQL Server will be used for implementation. APIs defines the proper way for a developer or user to request services from the program, and the languages are used to implement the program. There are following languages that will implement APIs and the both web based application and mobile application.

- a. JavaScript
- b. HTML
- c. XAML
- d. XML
- e. AJAX
- f. jQuery
- g. Asp.net (C#)
- h. Java

1.7 Roles and Project Stakeholders

Following are the roles and project stakeholders.

Project Sponsor	Dr. Munam Ali Shah
Stakeholder	Project Committee: Evaluation of the project, remarks on the project. Students can see remarks.
Team Member	Adil Rasheed Khan, Ahmad Ehsan

2 Project Approach

2.1 Planned Approach

- Research on existing system (i.e. FYP portal).
- Take Interview to students with different questions who are currently using existing system.
- Search different and related applications to observe what can be new features for new system.
- Analyze that there is a need to add more features in existing system.

Work regarding planned approach
Problem understanding
Requirement analysis
Requirement validation
Documentation
Implementation
Designing
Coding
Testing

2.2 Incremental development

Incremental development is a software development model based on requirement analysis, specification, development and validation. In incremental development model each version adding functionality in previous version.

3 Project Estimates

3.1 Estimated Schedule

Key Project milestones relative to project start are as follows:

Project Milestones	Target Date
Project start	01/03/2015
Problem Understanding	07/03/2015
Requirement Gathering	17/03/2015
Requirement Analysis	24/03/2015
Requirement Document	13/04/2015
Design Phase 1	27/04/2015
Design Phase 2	11/05/2015
Design Document	16/05/2015
Revised Design Document	22/05/2015
Implementing the Project	06/11/2015
Testing Phase	18/12/2016
Deployment	29/12/2016
Project Completion	30/12/2016

3.2 Resource Requirements – Team and Support Resources

The following personnel resources are required to complete this project:

Personnel Resource Types	Quantity
Supervisor	1
Co-supervisor	1
Project membre	2

Host Domain	1
<b>Total Personnel Resources</b>	<b>5</b>

3.3 Mockups



FYP REPOSITORY

My Account    Welcome: Dr. Suleman

Thank you for signing in as Committe Member !

Evaluation  
Scope Document

Group Members:

Adil Rasheed Khan  
(SP12-BCS-016)

	Obtain		Total
Presentation	<input type="text" value="23"/>	—	<input type="text" value="25"/>
Documentation	<input type="text" value="24"/>	—	<input type="text" value="25"/>
Demonstration	<input type="text" value="24"/>	—	<input type="text" value="25"/>
Other	<input type="text" value="23"/>	—	<input type="text" value="25"/>
Grand-Total	<input type="text" value="94"/>	—	<input type="text" value="100"/>

Ahmad Ehsan  
(SP12-BCS-027)

	Obtain		Total
Presentation	<input type="text" value="23"/>	—	<input type="text" value="25"/>
Documentation	<input type="text" value="23"/>	—	<input type="text" value="25"/>
Demonstration	<input type="text" value="23"/>	—	<input type="text" value="25"/>
Other	<input type="text" value="23"/>	—	<input type="text" value="25"/>
Grand-Total	<input type="text" value="92"/>	—	<input type="text" value="100"/>

Save

Cancel

Contact

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Islamabad, Pakistan

Result  
Scope Document

Ahmad Ehsan  
(SP12-BCS-027)

	Total Marks	Obtain Marks
Presentation	25	23
Documentation	25	23
Demonstration	25	23
Other	25	23
Total	100	92

Feedback :

Documentation is good.Presentation is also good.....

Comments :

How much Modules should be included in Web based application?

Send to PC



Useful Links

- Notification
- Evaluation Result
- Downloads
- Previous projects
- Current project
- Schedule

Current Projects

Select Session	Search by Project Name	Search by Faculty Name
Android Malware Behaviour Analysis through Memory Forensic		
The scope of this project is to analyse a given set of Android malwares and understand their functioning. <a href="#">More Detail</a>		
Status :NotAssigned		
Proposed By : <a href="#">Dr. Masoom Alam</a>		
SIEM (Security Information and Event Management)-Testing Framework		
To Be Added... <a href="#">More Detail</a>		
Status :Assigned		
Proposed By : <a href="#">Dr. Masoom Alam</a>		
System Forensics tool for Windows 8		
Goal: This project is developing a system forensics tool for latest windows platform. Domain: Information Security Co-supervisor: Ms. Saher Tasks: The project will deal with the development of system forensics tool for windows platform. Currently there are handful amount of tools for doing such job. Students will learn to develop such tool by investigating windows platform. The tool can be written in in Python and C++. <a href="#">More Detail</a>		
Status :Assigned		
Proposed By : <a href="#">Dr. Masoom Alam</a>		

Previous Projects

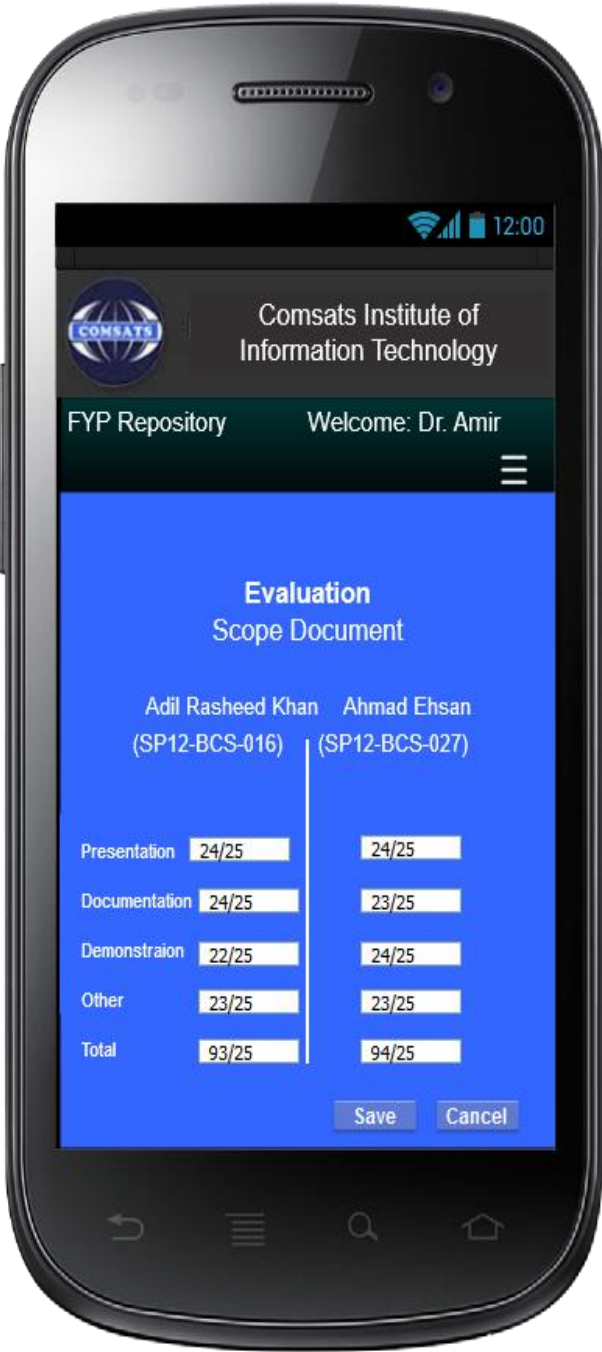
Semester	SP11	Level	Becholar of Science	(9 records)
Keywords		Search	(9 records)	
No	Supervisor	Project Title & Student Name		Semester
1	<a href="#">Dr. Arif</a>	<a href="#">Car Maintenance Alerting System</a> <a href="#">Details</a> 51211211327 - MUHAMMAD ARIFF BIN HUSSIN		SP11
2	<a href="#">Dr. Arif</a>	<a href="#">Piezo-Power FootWear</a> <a href="#">Details</a> 51210212200 - AHMAD KHAIRURRIJAL BIN OSMAN		SP11
3	<a href="#">Dr. Arif</a>	<a href="#">Autonomous robot window climbot</a> <a href="#">Details</a> 51210112043 - MUHAMAD HAMIDI BIN MOHD ALI		SP11
4	<a href="#">M. Haseeb</a>	<a href="#">BACKUP POWER SUPPLY MANAGEMENT USING UPS AND MOTOR GENERATOR</a> <a href="#">Details</a> 51210112055 - AZIRUL BIN BAHROM		SP11
5	<a href="#">Dr. Atif</a>	<a href="#">DEVELOPMENT OF INTELLIGENT LIGHTING FOR BUILDING</a> <a href="#">Details</a> 51210112239 - MOHD AFIQ AIZAT BIN MOHD ZAKARIA		SP11
6	<a href="#">Ahmad Arif</a>	<a href="#">DEVELOPMENT OF SMART PREPAID FOR ELECTRICITY</a> <a href="#">Details</a> 51210112221 - MOHAMAD FARHAN B. AHMAD SOBRI		SP11
7	<a href="#">Mr. Sarfraz</a>	<a href="#">Modeling and Control of Distributed Eenergy Resources using Fuzzy Logic control</a> <a href="#">Details</a> 51210211318 - MOHAMMAD FITRI BIN SHAZALI		SP11
8	<a href="#">Dr. Arif</a>	<a href="#">Power Management Parallel Inverter for Renewable Energy Sources</a> <a href="#">Details</a> 51210211322 - MOHAMAD FITRI AIMAN BIN AZMI		SP11
9	<a href="#">Dr. Arif</a>	<a href="#">Window Climbing Robot</a> <a href="#">Details</a> 51210211320 - MOHD AFIZ BIN IBRAHIM		SP11

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3.4 Gantt Chart

