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

Department of Computer Science

FYP Repository

Submitted By:

Adil Rasheed Khan
Sp12-Bcs-016

Ahmad Ehsan
Sp12-Bcs-027

Supervised By:

Dr. Munam Ali Shah

Co-Supervised By:

Muhammad Hassan Khan

evaluate

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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
Superviser	1
Co-superviser	1
Project membre	2

Host Domain	1
Total Personnel Resources	5

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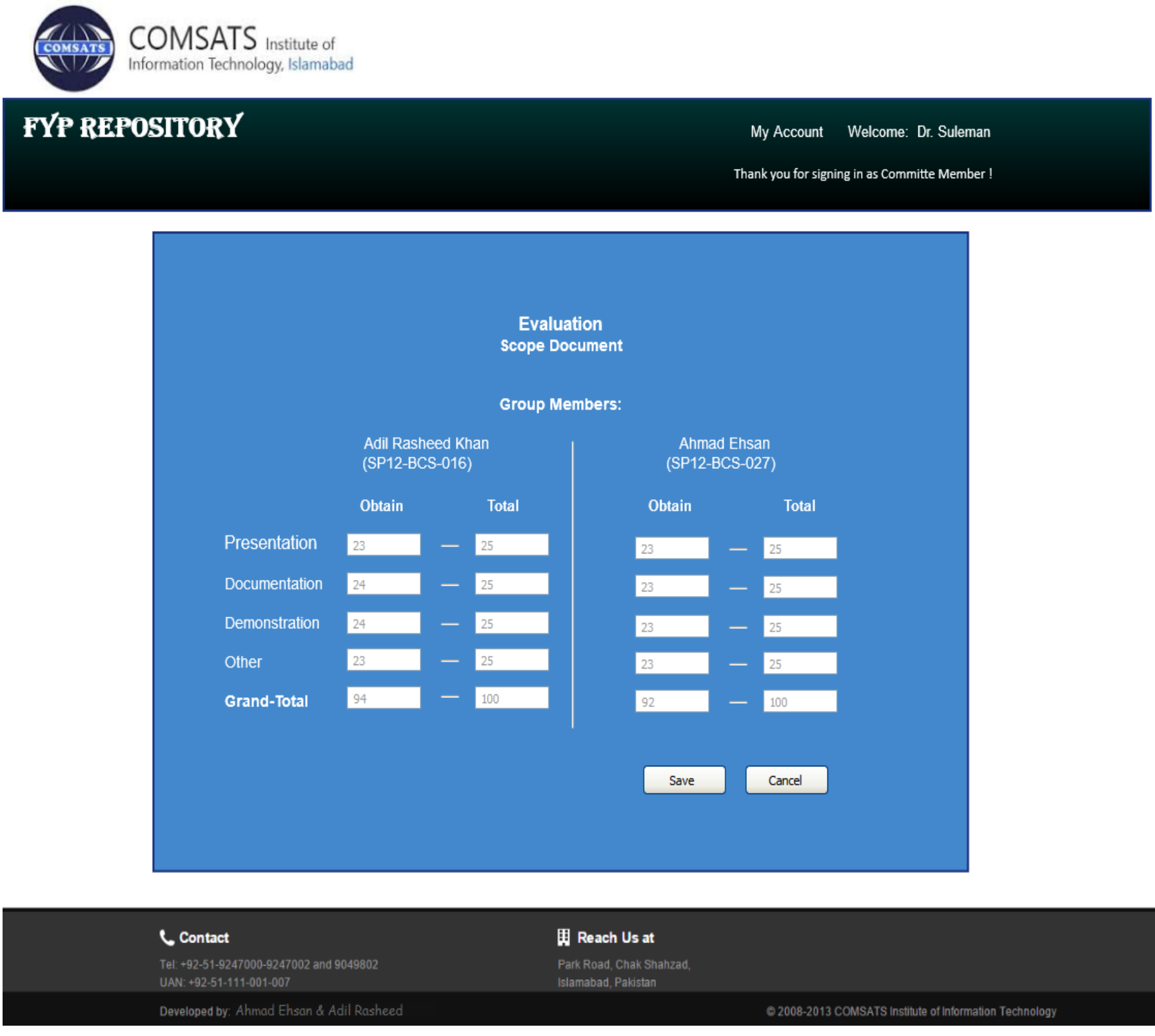
3.3 Mockups



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COMSATS Institute of Information Technology, Islamabad

FYP REPOSITORY

My Account Logout: Ahmad Ehsan

You are signed in as Student

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

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FYP REPOSITORY

My Account Logout: Ahmad Ehsan

You are signed in as Student !

Home Projects Evaluation

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. More Detail

Status :NotAssigned

Proposed By : Dr. Masoom Alam

SIEM (Security Information and Event Management)-Testing Framework

To Be Added... More Detail

Status :Assigned

Proposed By : Dr. Masoom Alam

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++. More Detail

Status :Assigned

Proposed By : Dr. Masoom Alam

Previous Projects

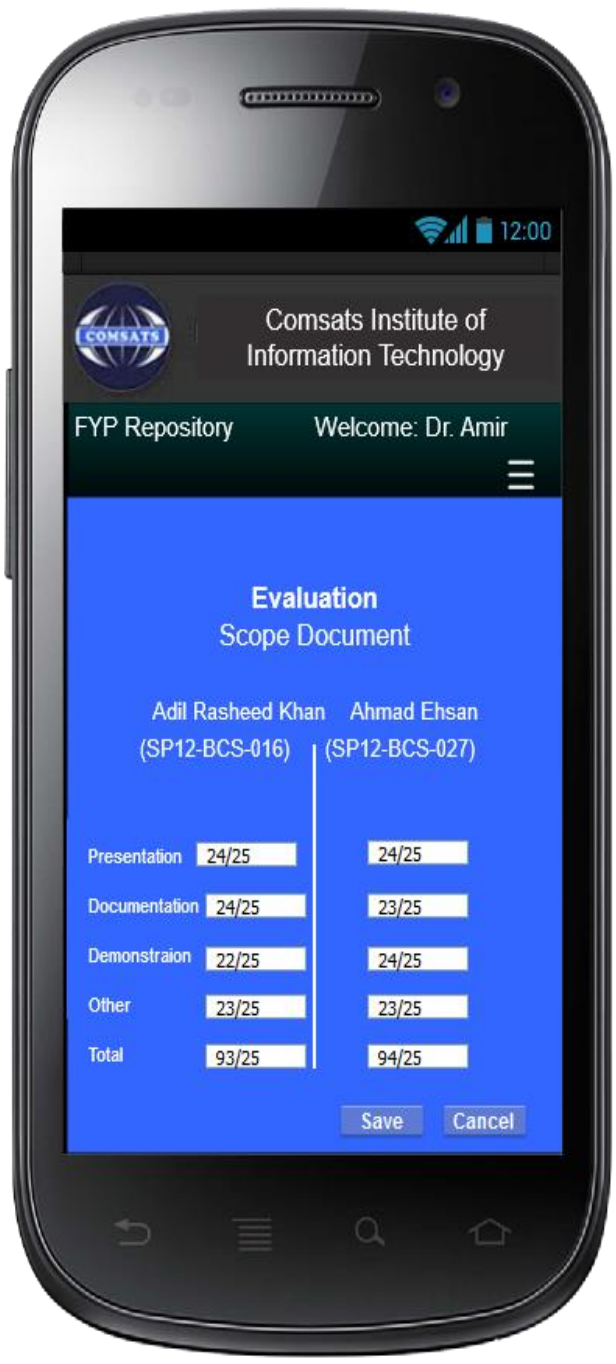
Semester SP11 Level Becholar of Science (9 records)

Keywords Search (9 records)

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

Contact
Tel: +92-51-9247000-9247002 and 9049802
UAN: +92-51-111-001-007

Reach Us at
Park Road, Chak Shahzad,
Islamabad, Pakistan


12:00
Comsats Institute of Information Technology
FYP Repository
Welcome: Dr. Amir
Evaluation
Scope Document
Adil Rasheed Khan (SP12-BCS-016)
Ahmad Ehsan (SP12-BCS-027)
Presentation 24/25 24/25
Documentation 24/25 23/25
Demonstraion 22/25 24/25
Other 23/25 23/25
Total 93/25 94/25
Save
Cancel

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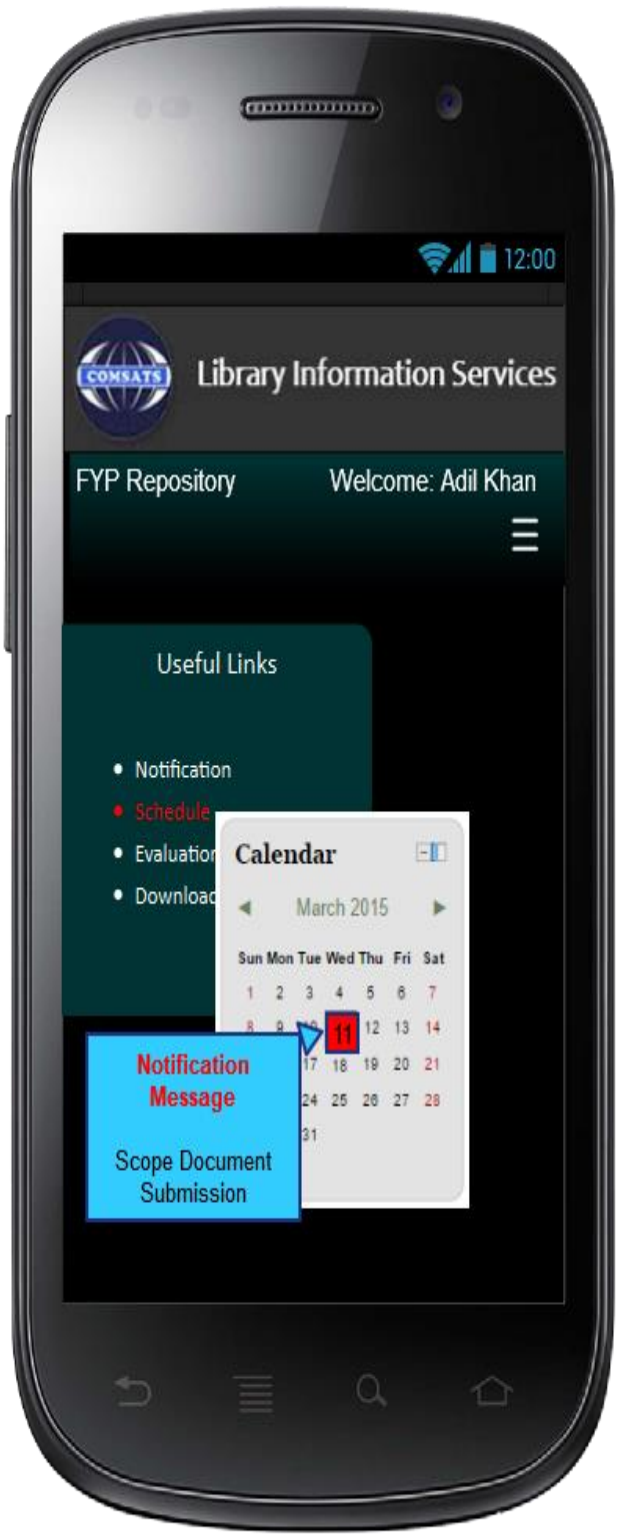
12:00
Library Information Services
FYP Repository
Welcome: Adil Khan
Useful Links
Notification
Schedule
Evaluation
Download
Calendar
March 2015
Sun Mon Tue Wed Thu Fri Sat
1 2 3 4 5 6 7
11 12 13 14
17 18 19 20 21
24 25 26 27 28
31
Notification Message
Scope Document Submission

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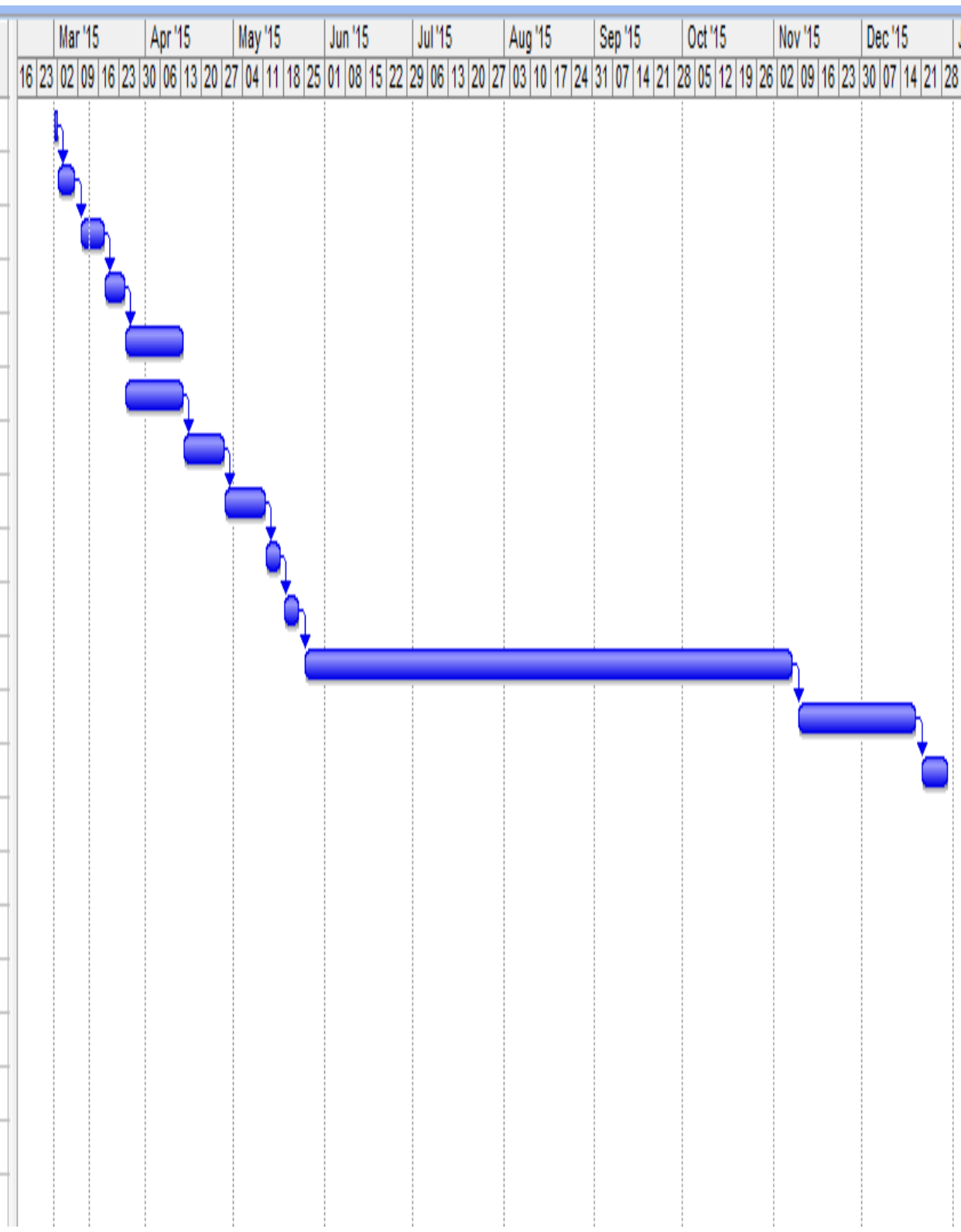
3.4 Gantt Chart

	Task Name	Duration	Start	Finish	Predecessors
1	Project Start	1 day	Sun 01/03/15	Sun 01/03/15	
2	Problem Understanding	6 days	Mon 02/03/15	Sat 07/03/15	1
3	Requirement Gathering	6 days	Tue 10/03/15	Tue 17/03/15	2
4	Requirement Analysis	5 days	Wed 18/03/15	Tue 24/03/15	3
5	Requirement Document	15 days	Wed 25/03/15	Mon 13/04/15	4
6	40% Implementation	15 days	Wed 25/03	Mon 13/04/15	
7	Design Phase 1	10 days	Tue 14/04/15	Mon 27/04/15	6
8	Design Phase 2	10 days	Tue 28/04/15	Mon 11/05/15	7
9	Design Document	5 days	Tue 12/05/15	Sat 16/05/15	8
10	Revised Design Document	5 days	Mon 18/05/15	Fri 22/05/15	9
11	60% Implementation of Pro	120 days	Mon 25/05/15	Fri 06/11/15	10
12	Testing Phase	30 days	Mon 09/11/15	Fri 18/12/15	11
13	Deployment	7 days	Mon 21/12/15	Tue 29/12/15	12



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