

Software Engineering

[FIND MERITORIOUS IN PRIMARY EDUCATION]

[Arazu Gajera(150570116001)]

[Rushali Vaishnav(150970116025)]

[MARWADI EDUCATION FOUNDATION GROUP OF INSTITUTION]

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1. Introduction

Now a days many students have many different skills like some students are good in sports, some are good in music, some are good in dance and some are good in technical skills but they don't have any platform to show there skills.

1.1 Purpose

The main purpose of the project is to find the meritorious students in primary education.

Through this web portal government give the opportunity to the students to enhance their career.

1.2 Scope

1.2.1 It Will Do

- Search the students by category.
- Filter the student by category and school name.
- Authorised person can add category and register the students.

1.2.2 It Will not Do

- It can not assign task directly to the students.

1.3 Technology

- HTML, CSS, BOOTSTRAP, PHP, MYSQL

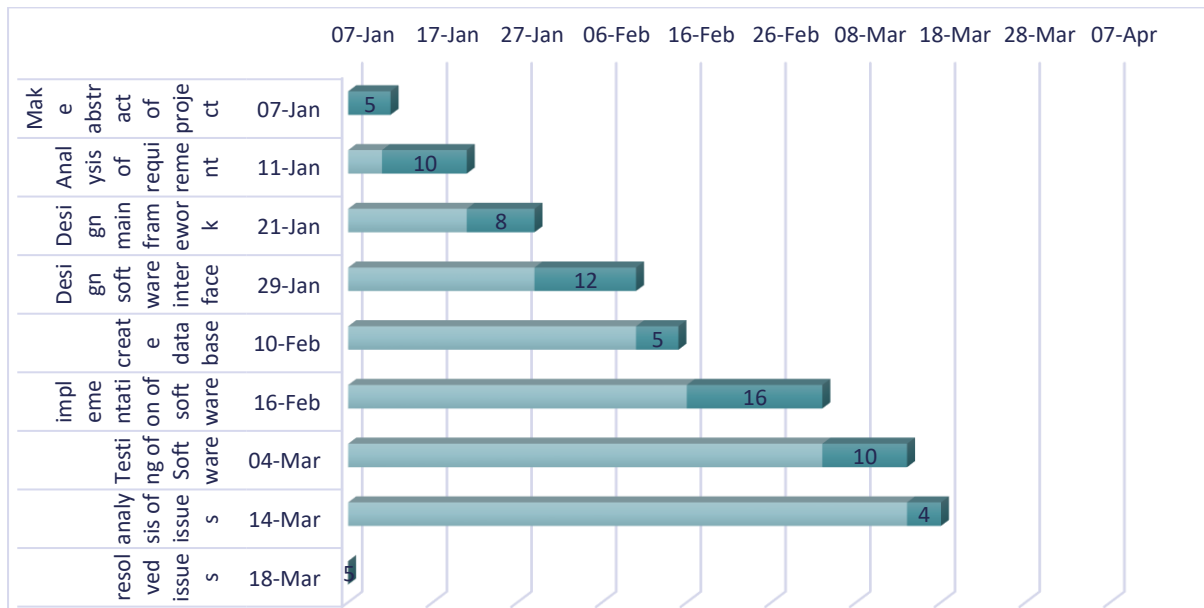
2. Project Management

2.1 Project planning and Scheduling

We Schedule our project such a way that we can complete our project before deadline.

All the parts of project like analysis, design, coding, testing, debugging are performed before deadline.

2.1.1 Schedule Representation



2.2 Risk Management

Risk	Risk Category	Probability	Impact (1-4)	RMMM
Size in line of codes	Product size	30%	3	Increasing in the size of the code increase the software size
Delivery Deadline	BU	30%	1	The cost associated with a late delivery is critical. Step have been taken based on scope of project delivery deadline
Poor Quality of documentation	BU	20%	2	If any topic is missing in documentation then we will discussed and add it into the documentation
Quality assurance, Speed of the software	TI	15%	2	The quality of software is must batter, each of the module of software can communicate properly with each other
Software interface	TE	20%	1	Software that enables it to continue operating reliably on interface
Technology to be built new for developer	TE	25%	1	If the technology is new for organization than it's

				a Catastrophic impact, the developer have to learn that technology very quickly
Change in requirement	PS	20%	2	This insures that the product we are producing, and the requirements of the customer are equivalent.
Lake of database stability	TI	35%	2	The possible errors are come due to poor error checking. These issues should be brought to the attention of each of the members that are contact with the database.

Impact –

- (1) catastrophic
- (2) critical
- (3) marginal
- (4) negligible

2.3 Estimation

For effort estimation we use ISBSG(International Software Bench-marking Standards Group) ISBSG takes function points as inputs and number of staff to complete the project and return the effort estimate.

For cost estimation the most common way to estimate costs is to make a list of items you need and add up their costs. If carried out consistently and if the list is reasonably complete, the resulting cost is highly accurate, but the process is time-consuming, lengthy and costly.

3. System Requirement Study

3.1 User Characteristics

- Students
- Government Authorized Person
- School Faculty

3.2 Software Requirement

- Any Editor
- Any one Browser

4. System Analysis

4.1 Requirement of System

Requirement of this system is Government can find easily better student and try to help for career enhancement.

Students also get better and more opportunity for future and in career enhancement.

4.2 Feasibility Study

This system contribute in achieve overall objectives of the organization.

This System is implemented using current technology within the given cost and schedule constraints.

There is no any system like this web portal so we can integrate it and make better system.

4.3 Requirement Validation

All the requirement are define that customer want. Like search students by it's category, search students by it's school name, we can filter the students, we can add the category and generate the event for data of the students.

4.4 Function of System

- Search Students by category
- Search students by school name
- Filter Students
- Event Generation

4.5 Requirement Traceability Matrix

BR#	Module Name	Applicable Role	Description
B1	Login and Logout	Student, Authorized Person	Student: Student can login and logout the page Authorized Person: they also login the Student page , login homepage show different role based on their role.
B2	Sign Up	Student, Authorized Person	They both are Register in website
B3	Add Skills	Student	Student can add their skills based on category wise
B4	Filter	Authorized Person	Authorized Person can Filter the Students based on their Skills
B5	Search	Student, Authorized Person	Student :They can search task based on their category Authorized Person: They can search student based on skills which task has required
B6	Assign Task	Authorized Person	Authorized Person can assign the task to the student based on their skills
B7	Edit	Student, Authorized Person	Student: They can edit their profile Authorized Person: They can edit the task which are to student
B8	Complete	Authorized Person	They click on complete button after when student submit their task
B9	Submit	Student	Student click on submit button when they submit the task

5. Limitations and Future Enhancement

The main limitation of our system is System can not assign any task to the selected students.

We are planning to do that we send auto generated mail or SMS to students email id or their references mail id or in their contact number when they selected in any career enhancement program.

6. Conclusion

We try to make one System that help to the Students in their career enhancement and try to help that they get more and more opportunity in their field to show their skills.