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IT 314: Software Engineering

Project Management Document

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Table of contents:

DA-FacTory: Faculty Directory for DA-IICT	2
Group Members	2
1. Activity list (Estimate time for each activity. Mention probable dates.)	3
2. Project Plan: For each activity, your estimated start date, end date, responsible person(s).	3
3. Testing Strategy:	3
4. Any other special activities and an appropriate breakup with estimation, as recommended by the standard fixed.	4

DA-FacTory: Faculty Directory for DA-IICT

Group No : 10

Group Members

Student Name	ID
Ajaysinh Rajput	201901046
Paavan Parekh	201901067
Charvi Zala	201901133
Param Parekh	201901164
Jainam Gandhi	201901166
Swescha Rambal	201901175

Mentor: Kalgi Gandhi

Date: 01-04-2022

Version: 1.0

1. Activity list (Estimate time for each activity. Mention probable dates.)

2. Project Plan: For each activity, your estimated start date, end date, responsible person(s).

Activity	Start Date	End Date	Responsible Person(s)
(a) Formulation of the problem	20/03/22	31/03/22	
i. Reading relevant background information	20/03/22	25/03/22	Param, Paavan
ii. Understanding and documenting the requirements	26/03/22	28/04/22	All members
iii. Discussions	28/03/22	31/03/22	All members
(b) Designing a solution, documentation	31/03/22	07/04/22	Ajay, Jainam
(c) Relevant learning	07/03/22	11/04/22	Swescha, Charvi
(d) Coding and unit testing	12/04/22	20/04/22	Ajay, Paavan
(e) Documentation	21/04/22	22/04/22	All members
(f) Testing	23/04/22	24/04/22	Charvi, Jainam
(g) Reviews	25/04/22	27/04/22	Swescha, Param
(h) Re-work and de-bugging	28/04/22	01/05/22	All members

3. Testing Strategy:

4. Any other special activities and an appropriate breakup with estimation, as recommended by the standard fixed.

WHAT IS THE PROJECT ABOUT

DA-FACTORY is an online faculty- directory connecting the student community with the DAIICT's Faculty community in real-time and convenience digitally.

This online directory is a source for students to link to the faculties and explore their areas of research or field of study and approach them in case they would want to work with them. The student community can also reach out to the faculty in case of proposing a new project or research topic.

The students as well as faculties can observe each others profiles and achievements.

Components Of the Project

- **Authentication:**

The student and faculty can both create their user accounts, and authentication can take place using their official credentials (institute's email-id) and must be specific for student and faculty respectively.

- **User profile:** Students and faculties both can generate their user profiles with necessary information like User id, name, profile picture, their projects and research paper related to their respective fields and other accomplishments and other attributes specific to each user.

Feed:

- Students as well as faculties can view the various ongoing research projects of different faculty members.

Notifications

- Users will get regular weekly notifications pertinent to their areas.eg: faculties will get notified about their respective students registered under their proposed research paper/project, similarly students will get notified about approval or disapproval of their proposed project by faculty.

- **Search:** Users can search for faculty profiles as well as student profiles by their name and different projects using tags by search functionality.

Aspects:

Faculty:-

Every Faculty using the DA-FacTory, must have their own account displaying their profiles. For the same, faculty members would be prompted to “Sign up” with their details for account creation.

After successful account creation the faculty member can login into their account with the previously set DAIICT’s Email-id and Password.

On the profile page, the member can set their profile picture, contact details, official emails (if any), their qualifications, year of joining the institute, their research works, collaborations, conference papers etc.

The faculty member will get access to type-in and post a current Research Paper/ Project with the necessary criteria, for recruiting students to work under them. Whenever faculty post new research paper or project, it will be posted to the Feed section of the home page so that students can get information regarding projects.

The respective faculty member will be able to view and access the students registering for working under them and can approve and disapprove their proposals according to their requirements. Approval and disapproval will be also mailed to the students.

A faculty member will get notified if a student approaches them with a project/research proposal in their respective field/area of work, and can decide and reply whether they are interested in the proposed idea.

Student:-

Every Student using the DA-FacTory, must have their own account displaying their profiles. For the same, they would be prompted to “Sign up” with their details for account creation.

After successful account creation the student can login into their account with the previously set DAIICT's Email-id and Password.

On the profile page, the student can set their current Batch information, official email and resume.

A student will be able to view the complete profiles of all the faculties registered in the DA-FacTory, and can also see their research works, conferences etc.

In case of a faculty asking for recruitments under a particular research/project work, a student can Apply under that professor meanwhile satisfying the criteria positively.

A student can also propose a new idea or project to the respective professor under whom they want to work, and hence they can communicate conveniently.