Delivery Project Plan

Project Name: ***ResearchMate***

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Project Lead: ***Gulshan Madhwani***

1.0 Purpose of Project

Connect PhD students with advisors and other researchers who are working in the field of their interest. To keep them updated on the recent developments and findings.

2.0 Objectives & Deliverables

Objectives	Deliverables
Login and Registration	❑ Secure Login and profile creation
User Interface and User Profile	❑ Information about the user like papers published, interests and news feed
Search	❑ Finding people with common research interests and finding advisors
Messaging and Chat	❑ Communicating with advisor(s) and researchers
Bulletin board	❑ Being in touch with the recent developments in the field
Group by Interests	❑ Communicating with group having same research interest across various schools
Query threads	❑ Asking questions to people with same interest about collaborations and other technical difficulties

2.5 Scope Control

In Scope	Out of Scope	Uncertain
Helping students connect to advisors	Giving suggestions for possible connections, advisors	Administrator rights for groups
Provide information about research papers and publications	Social life and activities	
Connect with fellow researchers		
A fully functioning Website		
Chat functionality		
Discussion threads		

3.0 Approach

- *The system development is going to be in-house by default, as this is a requirement for CSCI-P565.*
- *The development process model we are using for the delivery will be Agile.*
- *The initial phase will be governed by incremental development model which will have agile methodology.*
- *As far as the requirement gathering went, every team member is skilled in more than one technology. So, if a critical situation arises, the roles can be shifted as needed.*
- *The technologies which will be used are subject to change as per the compatibility.*

3.5 Time Line

Milestone / Deliverable	Completion Date
Project Proposal – Plan, Git-hub repository	09/17
Requirement Analysis – User stories on JIRA, technologies to be used	09/24
Sprint 1 – Basic system demo	10/01
Sprint 2 – System design document, Test plan	10/15
Sprint 3 – System demo with live website	10/29
Sprint 4 – Test plan	11/12
Testing – Final bug report, modifications required	11/15
Sprint 5 – Final system design document, test plan, User's Manual	12/03
Deployment – Closure Report, Customer Survey, Demo	12/04

4.0 Stakeholder Roles & Responsibilities

Project Role	Who	Project Responsibilities	% Time
Sponsor	**Adeel Bhutta**	❑ Primary stakeholder	5%
Project Manager	**Gulshan Madhwani**	❑ Front end / back end	20%
Project Team	*Xinquan Wu*	❑ Back end / database	20%
	Shubham Basu	❑ Back end / front end	20%
	Jayendra Khandare	❑ Database / front end	20%
Others	**Priyanka Cherukuri**	Primary customer representative	10%
	Prasandeep Singh	Secondary customer representative	5%

4.5 Communication Plan

What	Who (is involved/receives)	Frequency
Team Meetings	Priyanka Cherukuri	Weekly
Meetings with Sponsor	Adeel Bhutta	Bi-weekly
Written Status Reports	Priyanka Cherukuri	At the end of a sprint
Other Forms of Communication	Priyanka Cherukuri, Prasandeep Singh	Bi-weekly

5.0 Project Budget

	Initial Cost	Recurring Cost
People		
▪ Staffing	4 people (10hrs per week)	0
▪ Consultants	AI (2 hours per week)	0
▪ Training/Documentation	2 people (4 hours per week)	0
System		
▪ Hardware	University hosting services $0	0
▪ Software	MEAN stack, GitHub, JIRA $0	0

6.0 Risk Plan

Define key risks such as assumptions, dependencies, and constraints and a planned response for each.

Risk Factor	Impact on Project	Risk* Rating	Risk Plan or Mitigation Strategy	Person Responsible	In Place By
Time to learn MEAN stack is higher than expected and misses some critical functions	Minor delay in project	H	❑ If nothing works out, we can switch only the backend part to .NET or Python	Gulshan/Jayendra	Shubham
If someone is busy with other assignments or interviews	Minor delay	M	❑ We have decided each person should handle at least two domains (front end, backend, database)	All	Corresponding team member

*Rating = Probability that the risk will happen (H, M, L) x the Severity of the Impact if it does (H, M, L).

HxH = H   **HxM = H**   **HxL = M**   **MxL = M**

7.0 Assumptions

- *The PhD students want to study and contribute to the society, but they don't have someone to guide them like all the time.*

- *PhD students use social networking sites frequently.*

- *For project development, as we are starting from the scratch, it is better to stick to agile model. Because, nobody knows the actual work hours that the team has to contribute.*

8.0 Success Criteria

- Having a working website, which will be used by PhD students to talk to their advisors and professors instead of the traditional e-mailing system.