Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2021

Project Charter

Title of the Project:	Consulting Company System – "**RAVANA Engineering Consultants Pvt. Limited**"
Batch:	Weekday - Batch 1 – Group 14
Development Technology:	Front End – React Js Back End – Node Js, Express Js No SQL Database – Mongo DB

Description of the Project:

"**RAVANA Engineering Consultants Pvt. Limited**" is a multi-disciplinary consulting company established in 2010 by Dr. Priyantha Dilleep Wijesooriya. It provides a wide range of tasks in the energy and sustainable development sector covering both conventional and renewable energy systems, as well as energy management, environmental assessment, tree planting for carbon sequestration, tender designs, and technical report development for local and foreign clients. The company provides high quality global consultancy services with timely delivery of high-quality designs and reports. Company management needs a software system to manage their resources efficiently and to procure global consultants and clients into its data base. It also needs appropriate software systems to locate industrial and project opportunities worldwide. It was identified that the following requirements should be met through the system.

The requirement of client's ability to review past projects and make appointments with the Head Consultant through the online web application. It will be designed in such a way that the Head Consultant gives a specific time slot to the client for a discussion which could be held either physically or via an online platform and the verification will be sent to the client. After the discussion, if the project has not been rejected by the Head Consultant, the client's information should be forwarded by the Head Consultant to the administrator. Afterwards the administrator must create a profile for the particular client by registering the client into the system and send the registration number and password to the client. Furthermore, the client will be able to update his/her profile, to check the progress of the project and also the financial statements made by the company.

There is a requirement for the company to hire new consultants, therefore the interested parties can apply for a job via an application and upload his / her CV online. The Head Consultant will be taken care of acceptance or rejection of the CV. If the applicant's CV has not been rejected, then he/she will be hired to the company as a junior consultant. Furthermore, the Head Consultant should submit the junior consultant's information to the administrator. Then it is administrator's responsibility to create a profile for the junior consultant by registering him/her into the system and send the registration number and password to the junior consultant. Thereby the junior consultant can update his/her profile and check the pay scale through the system.

The platform will be designed in such a way that the Head Consultant will be able to perform his duties and responsibilities effectively and efficiently with the use of the system. The

responsibilities include, managing company's financial aspects and allocating junior consultants for various projects where the teams are being categorized as field officers and office workers according to timeline of the project that is being given to them. Also, the Head Consultant will be able to check the progress of the project via the system.

The system will be consisted with options where the junior consultant could perform the task which is mainly to process the project-based activities and team leaders of junior consultants should make the progress report of the project visible to both Head Consultant and relevant clients through the system. After completing a particular project, the junior consultant should handover the project report to the Head Consultant and then the rest of the process which is to negotiate with the client will lies upon Head Consultant.

Administrator requires to manage the user profiles, displaying the workshop schedules and sales management of predesigned projects, sending notifications to all those who have subscribed the web application and making a feedback report via getting feedbacks from required parties and finally submitting the report to the Head Consultant for future improvements of the company.

Details of the Group Members: *(Provide the details of the group leader in the first row)*

	Name with Initials	Registration Number	Contact Phone Number	Email
1.	Adhihetty C.D.	IT20133672	0773825110	chathumsanga65@gmail.com
2.	Perera M. P. M.	IT20133818	0769042795	pawaniperera20@gmail.com
3.	Kapukotuwa S. A. A. H	IT20139544	0774273389	anjaleehansikakapukotuwa@gmail.com
4.	Almeda P. P. K	IT20137632	0740765383	piyumikaalmeda@gmail.com
5.	Gunasekara A. M. P. P	IT20135966	0705601441	pramodapiyumali@gmail.com
6.	Ekanayake E. M. V. Y.	IT20138868	0775554254	vishmiekanayake@gmail.com
7.	Wijenayake R. A. E.	IT20133122	0769454552	ashenwi910@gmail.com
8.	Suriyawatta M. A. D. G. A	IT20135652	0714265399	gangamiga00@gmail.com

List of Functions Developed by the Group Members:

	Name with Initials	Brief Description of the Function
1.	Adhihetty C.D.	***User Profile & Financial Management*** Manage (create, read and update) user profiles, Delete profiles when, user left the web application, Manage (create, read and update) financial reports for projects, Remove project financial report after submit project, Manage pay scales of the employees, Make monthly financial report.
2.	Perera M. P. M.	***Project Process-based Management*** Manage(create, read and update) project detail profile, Delete project profile after submit project to the client, Manage the progress report of projects, Handle project delivery section, Send monthly progress report to the Head consultant.
3.	Kapukotuwa S. A. A. H	***Workshop Management*** Manage (create, read and update) time table to workshops, Delete timetables after workshops, Send new event notices report to the noticeboard admin daily, Manage applicants details and send study martials to applicants. Send monthly workshop report to the Head consultant.
4.	Almeda P. P. K	***Project Proposal Management*** Manage a display board (create, read and update) previous completed projects, Delete previous projects when Head consultant announced. Handle client's application forms, Get head consultant respond and create discussion session, Send client information report of the approved project to the administrator weekly.
5.	Gunasekara A. M. P. P	***Consultant Recruitment Management*** Manage(create, update and read) career advertisements, Delete advertisements when head consultant announced, Handle career application form, Get head consultant respond and manage interview sessions, Send selected applicants details report to the administrator weekly.
6.	Ekanayake E. M. V. Y.	***Project Team Management*** Manage (create, read and update) team member profiles for each project, Delete team member profiles after submit the project. Appoint a leader to monitor the team, Manage and allocate tasks of a project to each team. Create team involvement report monthly.
7.	Wijenayake R. A. E.	***Pre-Designed Project Sales Management*** Manage (create, read and update) the price list, Delete items form price list, after complete the sells, Handle marketing section, Manage sales of pre-designed projects. Send sales and inventory control report to the head consultant monthly.
8.	Suriyawatta M. A. D. G. A	***Feedback & Notification Management*** Manage(create, read and update) the noticeboard, Delete previous notices monthly, Send notifications to the subscribed people, Collect feedbacks, Make feedback report about new suggestion and send those to Head Consultant.