


Case 4: Project Management @ Stalmart Life sciences

Sasi Kiran is hired as a Project Manager at Stalmart Life Sciences. He is a trained professional in Project management, program management & Stakeholder management in Supply Chain Industry. He was assigned to the company's automation projects team, with seven ongoing projects where his presence and management are extensively required. As the company had a startup environment, data management could have been better, and they faced numerous issues while managing relevant data. Sasi Kiran wanted to resolve data management issues on high-priority posts so that project management would become easier for consecutive projects. He met with all the team managers to ensure whether data was available with them regarding the projects or not. Team managers needed to maintain project timeline-related information. When the project manager dug into the issue, he knew that during the last few months, the projects handled by various managers were not in association with the company anymore. As they had yet to maintain project-related documentation, the present team managers were on the verge of difficulty in having a project document repository.

Sasi Kiran decided to create Gantt charts for a better representation of ongoing, completed and planned projects. He needed the project-related data from various teams to have visibility on the ongoing projects that the company was handling. The company attrition rate was high, and there was only one way to get project-related information. He must coordinate with all the teams for data collection and validation purposes. After continuous follow-ups with the concerned teams, the project manager received data from all the teams. The issue he faced over here was the data needed to be in order.

It is guaranteed that the difference between the End_Date and Start_Date of the project should be different for each row in the table. If the End_Date of the tasks are consecutive, then they are part of the same project. The project manager is very interested in finding the total number of projects completed. The data is with the project manager, and it is up to him to manage it efficiently. He imported the entire data into the Database management system. He sourced a team to fulfil it and instructed the team to write a query to output the start and end dates of projects listed by the number of days it took to complete the project in ascending order. If there is more than one project with the same number of completion days, order by the start date of the project.

S.no	Task ID	State_Date	End_Date
1	55	04-01-2022	18-04-2022
2	66	02-01-2022	10-04-2022



3	29	31-01-2022	29-04-2022
4	5	29-01-2022	24-04-2022
5	30	24-01-2022	12-04-2022
6	50	27-01-2022	30-04-2022
7	18	30-01-2022	11-04-2022
8	21	17-01-2022	18-04-2022
9	67	30-01-2022	19-04-2022
10	33	08-01-2022	13-04-2022