**Write-Up on Integration of ML-Based Task Creation and Dynamic Scheduling**

Problem Statement : Do you think you can integrate ML based task creation and dynamic scheduling?

We feel integration of ML in task creation and dynamic scheduling is highly beneficial for the following :

1. Data-Driven Insights: ML models can analyse historical project data, employee performance and also for resource utilization records to get the most effective way to divide the projects as tasks.
2. Automated Task Generation: Prediction of tasks on new project based on the training and insights taken by the past projects ML can automate the creation of relevant tasks that align with the project.
3. Optimized Scheduling Algorithms: ML can predict the time required for each task allotted by learning from previous data.
4. Task Prioritization: ML algorithms can be used to prioritize tasks based on their importance, urgency and impact on projects. This can further be scheduled based on the most optimum task scheduling algorithm for the given project/task.
5. Optimal Resource Utilization: ML can predict the future or current needs of resource requirements for the particular project or task.
6. Intelligent Notifications: ML can automate the sending of notifications and reminders to team members about the upcoming deadlines, required resources and task dependencies.
7. Team Collaboration: ML can help collaborate remote teams with real time updates like task status, deadlines etc…additionally with progress alerts and resource needs
8. Example Scenario’s  
   1) Daily sync- ML gives what was done yesterday and what needs to be done today automatically

2) Automatic updates-Developer finishes tasks 🡪 Automatically gets updated in the task board