**SUMMARY**

**GitHub Profile links:**

|  |  |  |
| --- | --- | --- |
| **Name** | **SID** | **GitHub Account Link** |
| Ashritha Ponugoti | s555222 | <https://github.com/ashrithaponugoti> |
| Divya Chelikani | s556512 | <https://github.com/Divyachelikani> |
| Haritha Kothalachinta | s555482 | <https://github.com/harithareddy630> |
| Neeha Beerkur | s555197 | <https://github.com/Neeha-Beerkur> |
| Raja Manda | s556148 | <https://github.com/Raja784> |
| Rajitha Chintala | s554970 | <https://github.com/RajithaChintala> |
| Sai Nandini Devabattula | s560018 | <https://github.com/Nandini-Devabattula> |

**Link to GoRide Project Board:**<https://github.com/users/ashrithaponugoti/projects/1/views/1>

**Working with Project Boards:**

The Kanban board and GitHub Projects provide you with a visual picture of the status of your project, which is helpful for work organization and prioritization. It promotes teamwork, openness, and communication, which improves project management and results in effective delivery.

**Some important lessons learned from using GitHub project boards**

* **Creating the Project Boards:** The first step in setting up a project board on GitHub is to select the "New project" button under the "Projects" tab in your repository. To build up a fundamental board, use the "Kanban" template. The columns, such as To Do, In Progress, and Done, can be altered after creation to suit the workflow of your team.
* **Organizing cards using labels:** Cards can be categorized and arranged using labels according to a variety of factors, including priority, nature of the task, or feature area. The labels "Bug," "Enhancement," "High Priority," "Backend," etc. are just a few examples that you may construct. You may quickly focus on certain activities or areas of interest thanks to the ability to filter and search for individual cards in this way.
* **Creating and maintaining cards**: Cards in your project represent specific tasks or user stories. By selecting "Add cards" when you click on the appropriate column, you may add cards to the project board. Typically, each card symbolizes a certain action or function that has to be used. To give cards additional context and keep track of progress, you may give them names, descriptions, assignees, labels, and due dates. As cards go through various levels of completion, you may drag and drop them across columns.
* **Progress monitoring and assignment**: Each card can be given to one or more team members who are in charge of completing the job. You may share the effort and eloquently convey ownership by assigning cards. As they make progress, team members can update the board by moving the cards they were given across it. Everyone can keep track of the project's status and progress overall thanks to this visual depiction.
* **Communication and Co-ordination**: Communication are possible inside the team because of GitHub project boards. Individual cards can be updated, have comments and queries left by team members. Even when team members are not physically present in the same location, this feature makes it easier for them to communicate, clarify needs, and coordinate.
* **Automation and integration**: GitHub Projects may be combined with other GitHub services and outside technologies to improve productivity. You can easily navigate between different portions of your project by linking pull requests or problems directly to project cards, for instance. A card being moved to the "Done" column is one example of an automation that can be set up utilizing software like GitHub Actions.

A screenshot of a chat

Description automatically generated with medium confidence

**Fig1 GoRide ProjectBoard**

A screenshot of a computer

Description automatically generated

**Fig2 Filtering using keywords**

**Possible Applications:**

With the help of GitHub Projects and Kanban boards, your team may improve work management, foster communication, track development, and guarantee that your MS-ACS Directed Graduate Project or any other group projects are successfully completed. It encourages productive cooperation, makes communication easier, and makes good project management possible, all of which eventually help the project succeed.

**They can help team in the following ways:**

* **Organization and administration of tasks:** GitHub Projects with Kanban boards offer a formal framework for task organization and management. To illustrate the various stages of work, you may construct distinct columns, such as "To Do," "In Progress," and "Done." This enables you to divide the project into more manageable tasks and follow their development in a visible and natural way.
* **Tracking visibility and progress:** GitHub Projects and Kanban boards provide good insight into the status of the project. You can quickly view whether tasks are still open, active, or finished. The team can evaluate the situation as a whole, spot bottlenecks, and come to wise conclusions thanks to this visibility. Additionally, it makes it easier for project managers to keep an eye on job allocation, balance workloads, and evaluate individual and group performance. This tracking provides quick response in the event of problems and helps assure timely completion.
* **Flexibility and adaptability**: GitHub Projects is an adaptable tool that enables you to personalize the board in accordance with the unique requirements of your project. You may alter the board as the project progresses or build custom columns to fit your process. This flexibility makes sure the board is current and keeps up with any shifting specifications or priorities for your group project.
* **Integration with other GitHub features**: Issues and pull requests, as well as GitHub Projects, are all smoothly integrated with one another. To make it simple to navigate between different aspects of your project, you may attach project cards to particular problems or pull requests. Due to the unified picture of connected work items and their dependencies that this integration offers, productivity is increased.
* **History and documentation**: GitHub Projects acts as a documentation tool, logging the development and history of your group project. Review completed tasks, go through comments, and follow the project's development over time. This historical source might be helpful for current efforts as well as when evaluating the lessons acquired.