**PS-1 DIARY**

- Aditya Khillan

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**Week 1:**

Duration: 29 May – 6 June

The first week of our practice school -1 started with being allotted to our PS-1 Instructor in-charge, I was allotted under Prof. Vamsi. In our first meet, we introduced each other and got to know who are we working with throughout our practice school. We were asked to research more about Swecha, what are their projects and objectives. This helped me know more about the organization, the parts of society they are working for, different projects such as BalaswechaOs, fake news detector, some projects in Agritech etc. In our next meet with Prof. Vamsi, he assigned us to write an essay on web development and Swecha.

On 4th June, we had an introductory meet with the Swecha team and we got to learn more about them, their motive of using free open-source projects. We also received links to the official Swecha signal group and our access to code.swecha.org where we can see different project repositories that belonged to Swecha. We again had an orientation session with the Swecha team on 6th June where we learnt about some news terms like “what is software development life cycle”, agile model and version control systems.

**Week 2:**

Duration: 7 June to 14 June

This week started with an official email from Swecha regarding the allotment of teams who will be working on different projects. I was allotted team 19 whose project was Module-III: to enable the persistent shared notes access. This project is the part of BBB conference. The excel sheet also contained the name of the initiative co-ordinator, Mr. Shriharsha, and some resources for the project. We were provided with the repository of BigBlueButton which in turn had many more codes and information related to different features of the BigBlueButton. An official signal group for Swecha Conference Tech Module was created containing teams 17, 18, 19 and 20 as all these teams were working on some part of the BigBlueButton. Our team formed a separate group on signal and also had an introduction among ourselves. On 9th June, Prof. Vamsi conducted a quiz based on the Swecha orientation. We had a meeting with our initiative co-ordinator on 14th June where we had a small introduction followed by the details of the project being explained to us using the BigBlueButton software. Mr. Shriharsha provided us with a documentation link about the BigBlueButton and asked us to read about the development and architecture of BigBlueButton. We were also advised to learn more about version control systems, mainly git, GitHub, GitLab.

**Week 3:**

Duration: 15 June to 22 June

The first few tasks of our team were to read the documentation and understand the architecture of the BigBlueButton, resource gathering which included exploring the repository and finding the files that were useful for our project. We found a couple of sub repositories that contained the frontend and backend part of shared notes. Our objective is more leaned towards learning about the backend part of the shared notes interface. Moreover, we also looked into the issues previously opened about our project and came across some ideas and suggestions which we may apply in the future. On 16th, we had a group discussion with Prof. Vamsi regarding our projects. We were divided into three groups based on our projects – AI/ML, App development, Web development. I was in the web development group as the module our team was working on was written in JavaScript and it also had other languages like Java, Scala, CSS etc. which consisted its frontend and backend parts.

Our group also had a meet on 19th June regarding resource gathering and documentation. The conclusion of this meet was

1) Go through 'SharedNotes' and 'pads' repositories

2) Make a PPT about shared notes

3) Install BBB by following the steps on the doc

On my individual part I learned about Git, GitHub and their usefulness in the software world. Further as our project is mainly written in JavaScript, I did a course on JavaScript. More to the learning part I also learned about asynchronous JavaScript, its uses, related keywords and also did some small projects to learn its implementations. I will learn more about the backend part so that I can contribute more to the repositories.

**Week 4:**

Duration: 23 June to 30 June

On 23rd June, we had a meeting with Mr. Praveen which included all the team working on Swecha Conference tech modules regarding the current progress on the projects. We were also taught about how we should hold stand-ups among our teams and conduct sprints to ensure a proper working. Some of the points discussed are as follows:

1. Have a Meet and discuss on the Design and Workflow based on Use Cases.

- Write the use cases.

2. Divide Work division among the Team Mates.

- All this has to be on the issue.

- Each of you open the issues and document resources, learning paths that you had in the last weeks.

3. Each of the module has to have the fireframework (use penpot, penpot.app)- deadline Friday Evening.

4. Come with the Flowchart for Workflow of the project.