



SOFTWARE ENGINEERING

Subject Code: UE20CS303

Group

Number: 17

PROJECT TITLE:

Student Attendance Management System

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PROJECT PLANNING

1. Identify the life cycle to be followed in the execution of the project and justify why you have chosen the model. : [PES2UG20CS502](#)

Ans: We are planning to use the SCRUM model coming under agile methodology to create our project because in Scrum work is done in short cycles called sprints, and the team meets daily to discuss current tasks and any roadblocks that need clearing. Scrum is a method for managing projects that allows for rapid development and testing, especially within a small team.

2. Identify the tools which you want to use it throughout the life cycle.: [PES2UG20CS499](#)

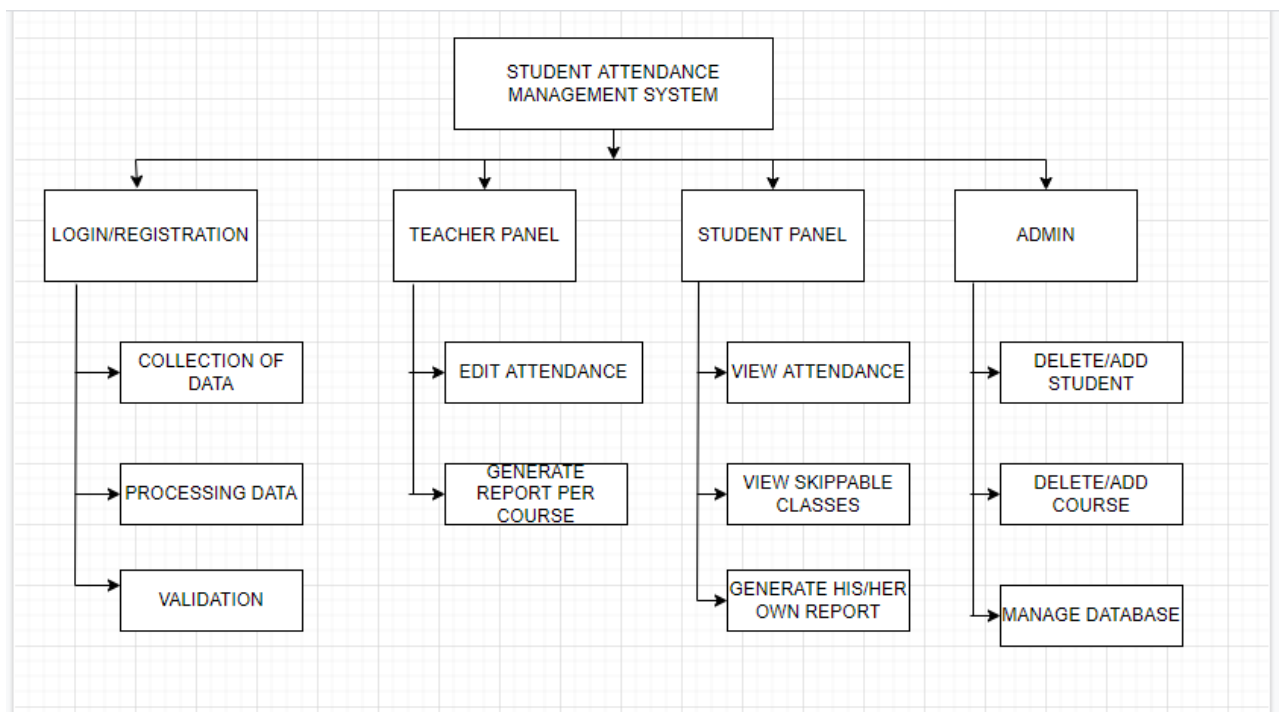
- Gantt Pro :Used as a planning tool
- Jira-Used as a designing tool
- Github-Used as a version control
- Langs-Used as a development tool

- Draw.io- Used as a design tool

3. Determine all the deliverables and categorise them as reuse/build components and justify the same. : [PES2UG20CS479](#)

- UI interface : Reuse
- Login/Register : Reuse
- Validation : Reuse
- Database Component: build
- Teacher/Student profile : Build
- Report Generation: Build

4. Create a WBS for the entire functionalities in detail. : [All \(respective functionality breakdown\)](#)



5. Do a rough estimate of effort required to accomplish each task in terms of **person month**. : PES2UG20CS498

Using CoCoMO MODEL:

Effort(E) = $a \cdot (\text{KLOC})^b$ PM(Person month)

Semi-detached:

'a' value = 3.0

'b' value = 1.12

'c' value = 2.5

'd' value = 0.35

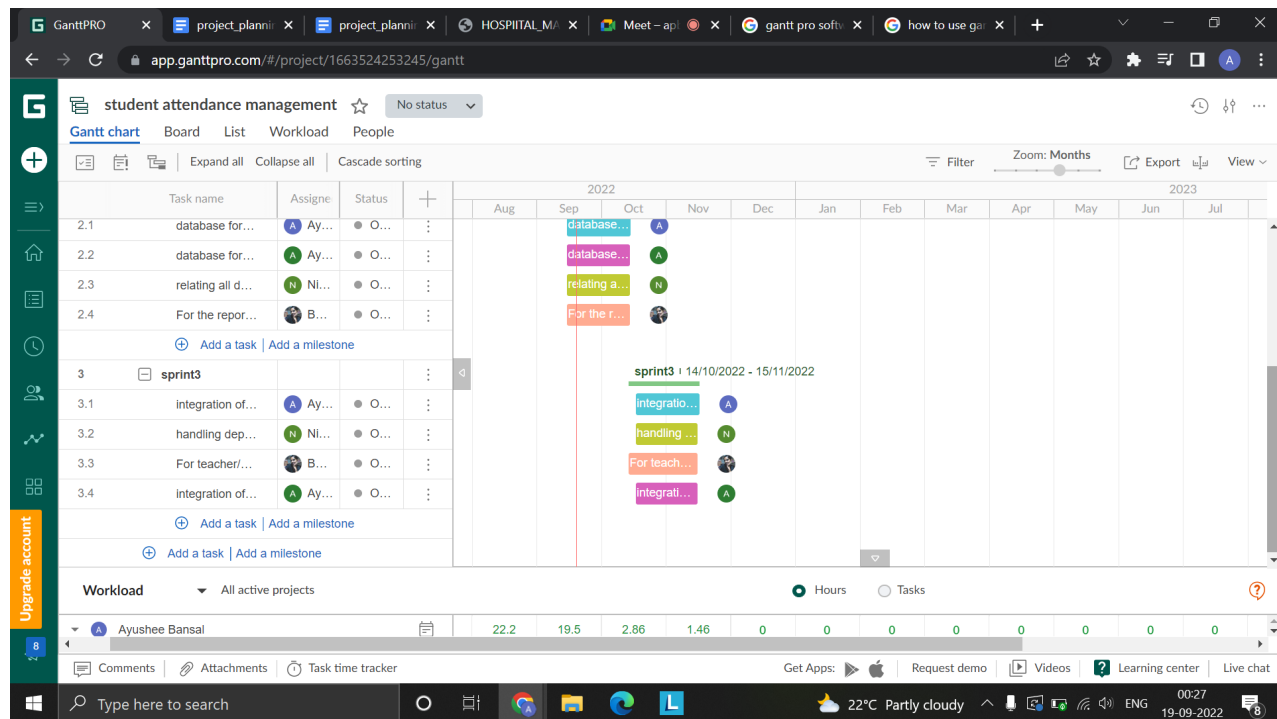
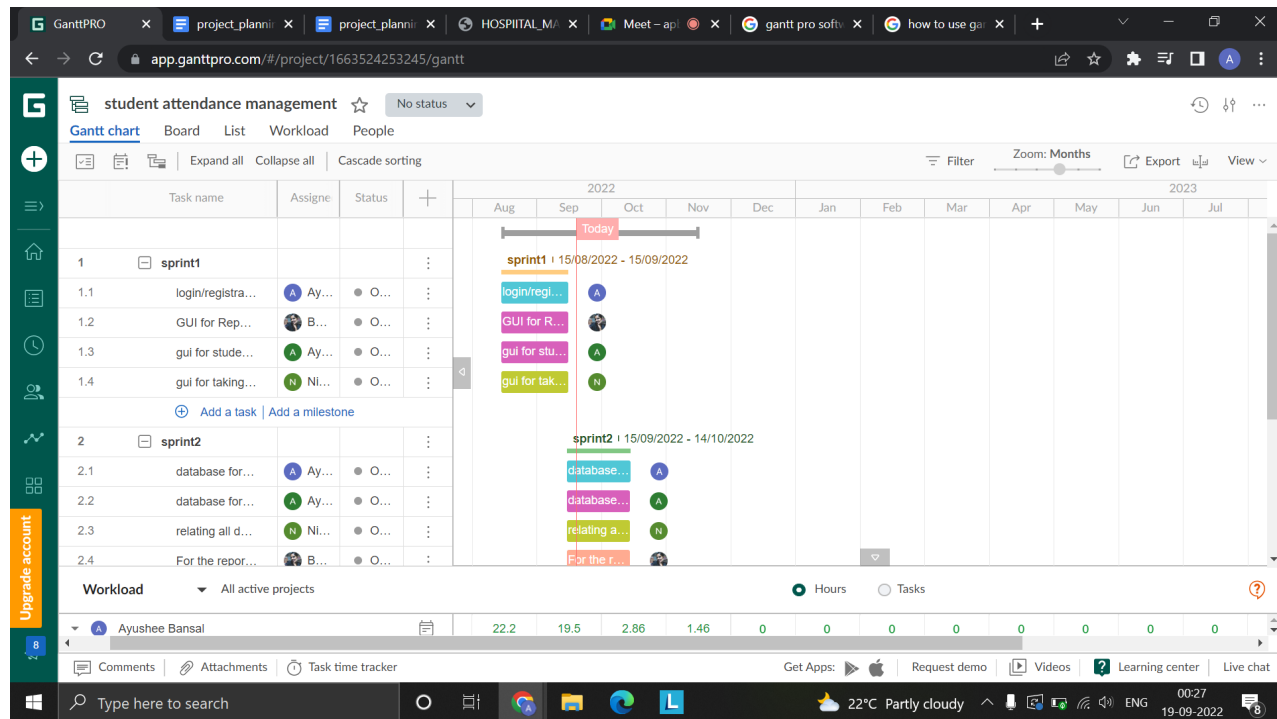
The cocomo model, we are using is **semi detached project**

$$E = a(\text{KLOC})^b$$

$$E = 3.0(400)^{1.12}$$

$$E = 2462.79 \text{ person month}$$

6. Create the Gantt chart for scheduling using any tool. [All \(respective tasks filled\)](#)



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Contribution:

Ayushee Bansal Course page.

Bhagyashree Hegde Attendance Report Page

Ayushi Singh Student Page

Nimish Bhasu Check attendance Page

