

## Minutes Of The Meeting

Date: 18 August,2025

Time: 2:30pm to 3:00pm

Team Name: Male and Females

Project Name: Secondary Pollutant Estimation near Pharma Industrial Cluster.

Team Number: 46

Venue: Lab 114

### *Participants:*

Team members: Krrish Gupta, Mahek Desai, Sarah Roomi, Laveena Jain.

Profs: Sachin Chaudhari, Kiran Chand

Mentor: Sandeep Budde

TA: Sasidhar V.

### AGENDA:

- Discuss project Goals and Plans
- Power supply discussion
- Network connectivity discussion

### DISCUSSIONS AND DECISIONS:

1. Made changes to the proposal presentation as suggested by sir. Added team members' names and faculty names. Further changed photos in the presentation to make them more relevant.
2. The initial plan for network was to use a 4G cellular network but changed the communication method to WiFi as that will be available.
3. Discussed the rate of data collection. Sir suggested using an SD card to save data in case of power loss.
4. Sir mentioned the Niquist-Shannon Sampling theorem, and advised us to use it in data sampling.
5. Discussed about CPCB weather stations which are near the pharma clusters from which we can get meteorological data such as temperature, pressure, humidity and wind speeds.
6. Sir advised us to use a camera and analyse its feed to figure out when factories emit pollutants.
7. Discussed to deploy only one node.

8. Discussion regarding vertical profiling of the secondary gases.  
That would require extremely sensitive sensors which was difficult so we are not considering it as of now.
9. We will use a rechargeable battery along with BMS module and a booster module to step up to 5V from 3.3V.

Updates in Presentation:

- Mention roles and tasks of each team members.
- Updated the block diagram according to the discussed changes.
- Updated the Research Inspiration links to be descriptive.
- Added the extra components discussed in the meeting.
- Data collection plan will be modified later according to the data values received.

Updated Components List:     [Male&Females-Quotation.xlsx](#)

Next Meeting : 25 August,2025

Thank you