

Project Synopsis/Project Concept Document

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Project Title	<i>Outdoor Air Pollution Monitoring in IIIT-H Campus</i>
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Description

Given the data out of the already installed sensors inside the IIIT-H campus, we will be making a model which will help the user base visualize the air quality standards. Through the initial plan, we will be working to make a web portal which will consist of a heat map describing the pollution levels in the campus premises along with some statistical data. For this we will be given live data from the pre-installed sensors.

Profile of Users

There will be following types of end-users:

- Professors,
- Students (including all interns & full-time students),
- Non-teaching Faculty (administrators)
- Workers (including mess workers, cleaning staff, security guards)
- Other campus residents(families of professors)

Our end-users might be very different but the UI of our model will be same for all as we are planning to make a map with all the data available in easy-to-read format.

Usage Model and Diagrams (if any)

Our UI will be suitable across the diverse user groups that our application targets. We are planning to build a webpage which will be hosted on IIIT server. It will be accessible to all users (just like moodle) but without any authentication. The users can then directly see the map & extract the information according to their relevance.