**TOOL USED:**

The tool that we are using for platform development are,.

We use angular in the front end with HTML and CSS.we choose it because it is fast.

Node JS is used at the back end along with Java script.we connect angular with data base mongoDb through different API. Our main server is influx DB, through which we have connected registered devices from influx DB to mongo tB. Then we sent it data of real IT devices, to influx DB through Gateway. Then by this way our registered devices will show up on website.

When real IT devices are not connected to the platform then we take dummy data from node red for the hardware simulation.

**TIMELINE:**

**This is our project timeline, from which two of our milestones are finished.one of them is, learning technologies (studied about all the technology used) and second one is platform development that is to be introduced today.**

**We will cover hardware simulation development from the very start of April .integration of hardware with the website will be inshallah cover by the start of May.**

* First of all I am going to introduce you about **login component**.

1. we are applying login function on the basis of role , whether the admin or the user.there are different pop-up menu , options that apperar on clicking this login option depending upon the the user or the admin respectively.Admin can access all the available devices while the user can have access to only those devices that the user has registered.
2. there is a ID password on pay load that we send to back end server ,. Where the server further verifies the correct registered user with his or her id password.
3. Then we save in the local storage of the back end.

* **Map component**: now I am going to explain about m c:

1. We have use Google maps, and purchase them .we get all the registered devices in these Google maps. We have basically added a check, that gets all the available devices the if the role is admin, and if the role is user, we get specific registered devices of particular registered user.
2. We pin all the registered devices in the form of marker on the map.it means, if we open the map component then automatically all the registered devices are visible on the map.
3. If we click on any marker on the map, so it also shows all parameters of that particular registered devices.

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