

Final Report – Jasper HackerNews Module Project

By Priya Singh

The project started on Nov 9, 2014 with the mentoring of Mr. Ashish Sharma. I am a Btech CSE 3rd year student, and this was my first project. It was a new experience which provided me with a lot of new things. As this project required Python, I learnt and became familiar with python, a very programmer-friendly language as it does not require any huge number of lines of code. As it is increasingly becoming popular among developers, as a student I would now prefer using it to develop programs. Another new thing that I became friendly with was GitHub. Before the project I had a slight idea about GitHub but I'd never used it for any project. All the code that I had written was put up on my repository and later after Mid-Term evaluation was merged into the JMP repository. Using Git, a more transparent framework for the project could be developed. As this is used worldwide, this experience with Github was also very important and was also very interesting. The other thing that I learnt in this project was the use of an API in a project. I had never used an API in any of my programs. I also learnt how to do automated unit testing in python modules. For unit testing, I had used PyUnit in the project and tested both the parts of my modules. Any module is incomplete without proper documentation, hence it was for the first time that I used comments to tell what the code is doing and what do the individual functions and classes do. I also earned a contact with Ashish Sharma which I know will be very useful in future.

I would be looking forward to contribute in the project further.

This project is a part of the IoT and Ubiquitous Computing that fascinated me the most to do this project. Now I and my friends are also planning to make our own Jasper. I hope we are able to do it and properly run all the modules on Raspberry Pi.