**Periodic Progress Report (PPR) : 1**

Project Details :-

Project Name :- SMART CITY

Project Member :-

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| --- | --- |
| **Enrollment No.** | **Name** |
| 180163107002 | Basita Ronak Kamleshbhai |
| 180163107027 | Pathan Mohammad Riyazkhan Sirajkhan |
| 180163107010 | Chavda Darshan Rameshbhai |

Internal Guide :- PROF. Viral R. Patel

**Perodic Progress Report 1:-**

Q-1:- What Progress you have made in the Project ?

Ans:- In our project there are some primary modules like smart parking system, smart waste system, smart water system, Automatic street light.

We have completed our first module which is smart waste management and we have used nodemcu microcontroller , google firebase and blynk database for observing the status of dustbin.

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Q-2:- What challenge you have faced ?

Ans:- During the implementation of our first module we analysed what components are needed and selection of cloud database which gives real time updates as fast as possible.

Selection of some electronic sensor which are used in our project depending on their efficiency and reliability.

Q-3:- What support you need ?

Ans:- We need a guidance from our internal guide and some resources like google, thinkercad, arduino to make our project reliable and easy to use or develop.

Q-4:- Which literature you have referred ?

Ans:- We referred some literature related to our project, some cloud database and how they communicate and also how faster they are, about blynk database how to use and we also referred firebase database documentation for real time updates.

Links:-

<https://www.arduino.cc/>

<https://firebase.google.com/>

<https://firebase.google.com/docs/database>

<https://firebase.google.com/docs/database/web/read-and-write>

<https://blynk.io/>