

## PROJECT NAME:-

SKY TELLER

## TEAM MEMBERS:-

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## SLOT PREFERENCES:-

Second slot-june 1<sup>st</sup> to june 30<sup>th</sup>.

## ABSTRACT FOR SKY TELLER

### Project description:-

It is an android app used to give information about the part of the sky the mobile points to like the names of stars or nebulae or meteors or any other night sky objects. Using accelerometers, we can determine the angle of the mobile inclination and determine the part of the sky mobile points to. Using GPS we can get the latitudes of the place. By scripting the coordinates of the place and the angle of inclination and giving the magnification using focus of the camera in the Software like stellarium we can display the part of the sky the mobile points to and depending on the user use it will display the information needed.

### Components Used:-

- a) An android mobile to check the app.

### Plan of Action:

### FIRST WEEK :

- 1.To learn the basic android apping and getting the basic idea of what to code for the required functioning of the app by reading various websites.
2. How to use accelerometers to determine the angle of the mobile direction
3. start writing the code for the app on a basic level

### SECOND WEEK :

1. Complete the basic code ((Here , we will use the accelerometer reading and fixed latitude coordinates to proceed further)
2. To learn how to connect two interfaces..Here we need to connect the app with the stellarium software and also learn scripting in stellarium when it gets connected and how to give magnification (Here we use the basic app we coded in the first week )

### THIRD WEEK:

- 1.Check the app developed so far and rectify the errors and making the app work properly till that point.
2. How to connect GPS with the app and checking it at different places

### FOURTH WEEK (HALF OF THE WEEK):

1. Final check of the app working and rectifying the minor errors
2. User interface made attractive

### We Learn:

1. By the end of the project, we expect to learn android app making,especially involving the accelerometers and other feautres like connecting the interfaces.

## Cost:

We are expecting there would be no expenses

## Future prospective:

Very useful for the night sky observers since it is very handy and can be used anywhere(where net is available).