

## ASSIGNMENT-5

TITLE: Design & develop GUI for fan regulator

PROBLEM STATEMENT: Design & develop GUI for fan regulator that uses android platform.

THEORY:

### • ANIMATION:

- It is a process of creating motion & shape change

- Function of animation class

i. start()

This method starts the animation

ii. getduration()

Returns the dura<sup>n</sup> that has been set by setduration()

iii. setduration()

Sets the dura<sup>n</sup> of an anima<sup>n</sup>

iv. end()

Ends the animation

v. cancel()

Cancels the anima<sup>n</sup>

- Steps to create anima<sup>n</sup>:

i. Create a new project in android studio

ii. Modify MainActivity.java & create code for

iii. Right click on res.create resource directory of type anima"

iv. Create xml file within it. I have created 4 xml files, mid rota", low rota", fast rota" & stop rota"

v. Code for low rota":

```
public void onclick (view V) {  
    RotateAnimation ra = new RotateAnimation(  
        from degrees = 0,  
        to degrees = 360,  
        RotateAnimation.  
        RELATIVE_TO_SELF,  
        pivot value = 5F,  
        RotateAnimation.  
        RELATIVE_TO_SELF,  
        pivot value = ra.getRepeat  
        ra.setRepeat Count(  
            Animation = INFINITE);  
        ra.setInterpolator (new  
            LinearInterpolator ())  
        ImageView.startAnimation(  
    }  
}
```

### CONCLUSION:

Thus, we have designed & developed a GUI for fan regulator that uses android platform.