

## ***ABSTRACT***

### ***DESIGN AND IMPLEMENTATION OF AUTOMATIC CAT MONITORING AND FEEDER SYSTEM BASED ON ANDROID***

Cat is one of the most popular pets in the world. Cat owners usually having constraints in feeding the cat regularly due to their outdoor activities. Irregular feeding and also starvation will cause the animal will have a substantial deviation in physical parameters and behaviors associated with stress or depressed.

In this final project, the author aims to create a prototype of monitoring and automatic cat feeding system using microcontroller and also integrated with android smartphone using the IoT feature.

The output obtained from this Final Project is to control and monitor the cat feeding from far away that can be accessed anywhere and anytime through the android smartphone.

**Keywords:** *Android, IoT, NodeMCU, Non-preemptive, Smartphone*