**ABSTRACT TEAM-12**

**THE ROBOTICS CLUB –INDUCTION’20 ABSTRACT**

**The Problem:**

People going to public places like temples and mosques have to leave their shoes outside before entering and they face a lot of problems in finding their shoes after coming back. Also, in some countries people need to remove their shoes before entering into their office and schools and in our houses too we face the same problem.

**The team’s approach to solve the problem:**

When a person removes his shoes, his facial data is captured and stored into the database. His shoes will be linked to his face data and a robot takes the shoes and places them inside the shoe rack automatically. The robot uses ‘line follower’ concept to go to the shoe rack. It places the shoes and comes back to the initial position. When the same person comes back, his facial data will be checked for a match his shoes will be returned back.

**What inspired you to select the problem?**

Usually people lose their shoes when they place their shoes at public places. Even in countries like japan people need to remove their shoes before entering the office and schools. This bot will help them keep their shoes at a secured place and return it back without any glitch.

**What do you feel is the most innovative part of the problem?**

The bot can recognize the person when he removes his shoes, and gives it back when he comes back by recognizing his face

**Title:** Chauser

Team members:-

THANGELLA VINAY KUMAR - 19-ECE-25

B.VAMSHI - 19-ECE-03

SHAIK ABDUL RAHMAN - 19-ECE-01

P. GOWTHAM KARTHIKEYA -19-ECE-22

K.YASHWANTH - 19-ECE-16

THEEGALA GANESH - 19-ECE-62

KONTHAM.AKHILESH - 19-ECM-07

BARDAVAL PREMSINGH - 19-ECE-67

Mentors:

M Shvejan Shashank

Hemanth Sikharam