**Title of the Project:** WHEELCHAIR CONTROL THROUGH EYE BLINKING AND IOT PLATFORM

**Name of the Students:** ALAGU SRIRAM S,JEYA GOKUL CS,SARAVANA PANDI P

**Register Number(s):** 211417104012, 211417104098, 211417104246

**Name of the Guide:** MR.M.KRISHNAMURTHY, M.E,MBA,(Ph.D.),DEPARTMENT OF CSE

**ABSTRACT**

Decision-making considering commands coming from eye blinking, to give mobility to a wheelchair, is not a simple task, bad decisions can end up in moving a person in a wrong direction, which will give more difficulties instead of solutions. In the actual study a microcontroller with embedded software and hardware for IoT is used, this device can manage multiple sensors as inputs and multiple actuators as outputs. The raspberry Pi 3 was selected because it is single-board computer with wireless LAN and Bluetooth Low Energy (BLE) on board. The developed system discriminates an involuntary blinking from a low motion voluntary blinking and take a decision to move forward a model wheelchair. The position and given commands are sent to an IoT platform to save the wheelchair movement data.