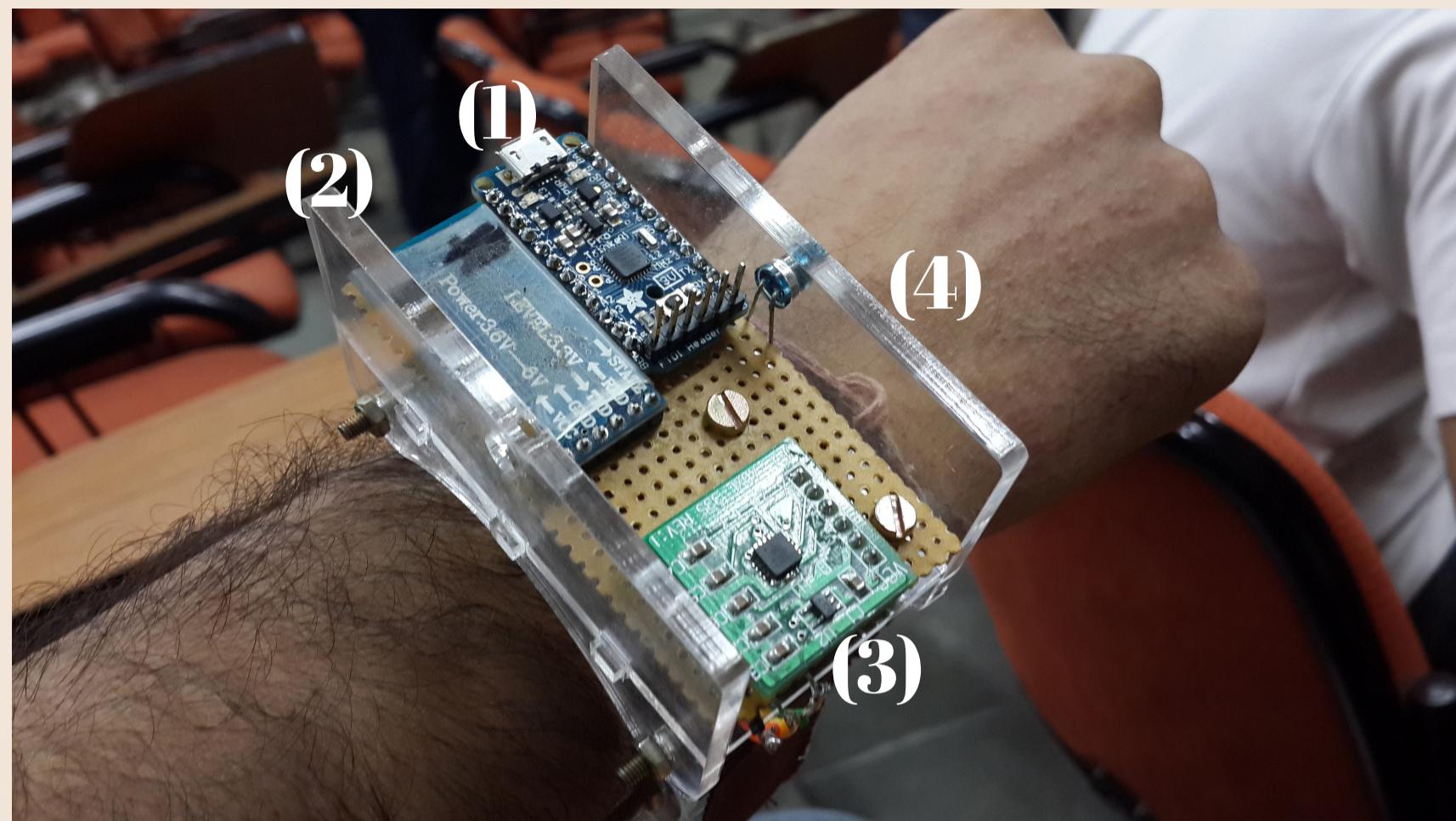


# SMART HANDSHAKE



TOWARDS MAKING HANDSHAKE SMARTER  
THE SMARTBAND IS A WEARABLE BRACELET-LIKE  
DEVICE THAT EXCHANGES INFORMATION ABOUT ITS  
USERS.

WHAT WE HAVE USED :

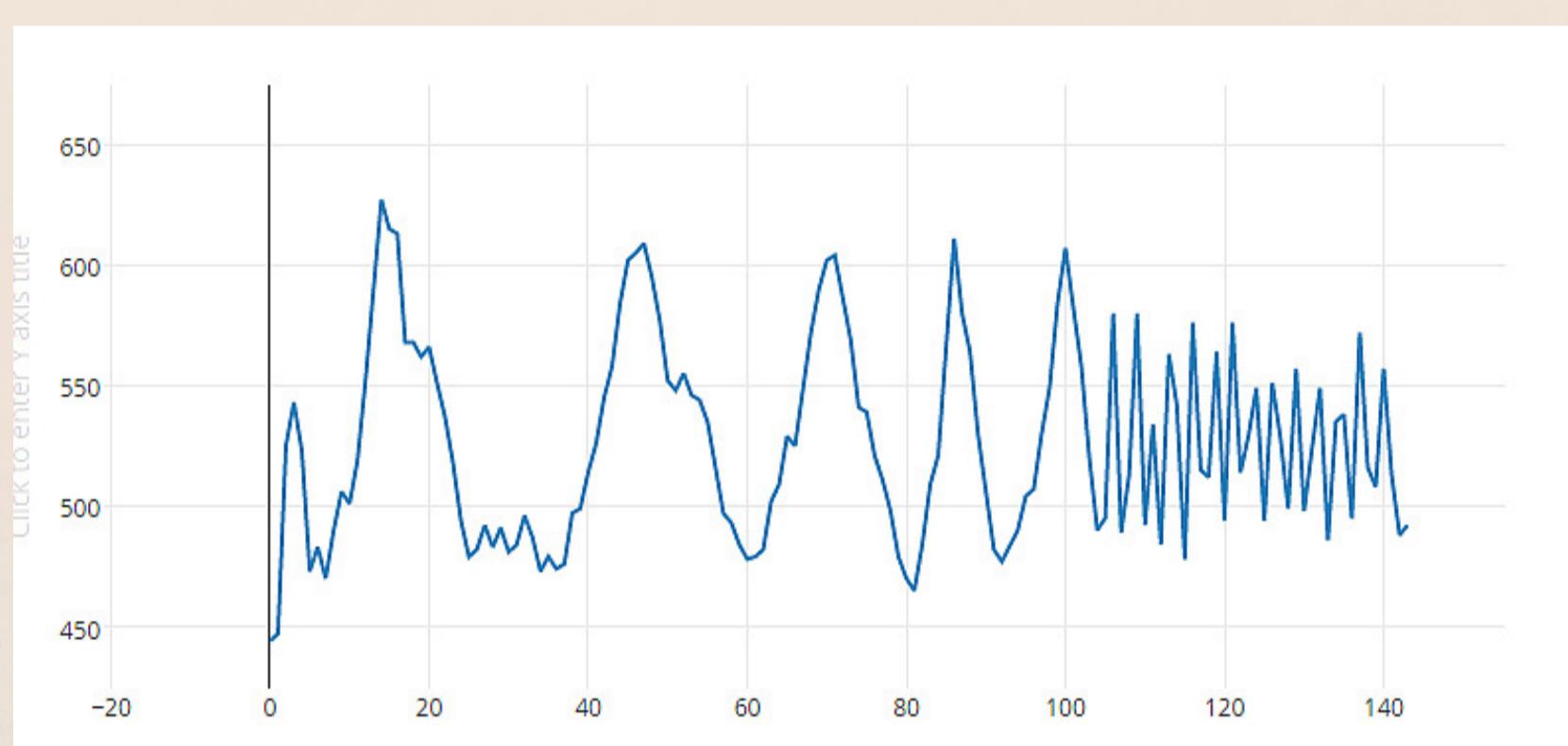
A. SMARTBAND :

- (1) TRINKET PRO
- (2) BLUETOOTH MODULE
- (3) ACCELEROMETER
- (4) IR SENSOR AND RECEIVER

B. ANDROID APP

C. WAMP SERVER

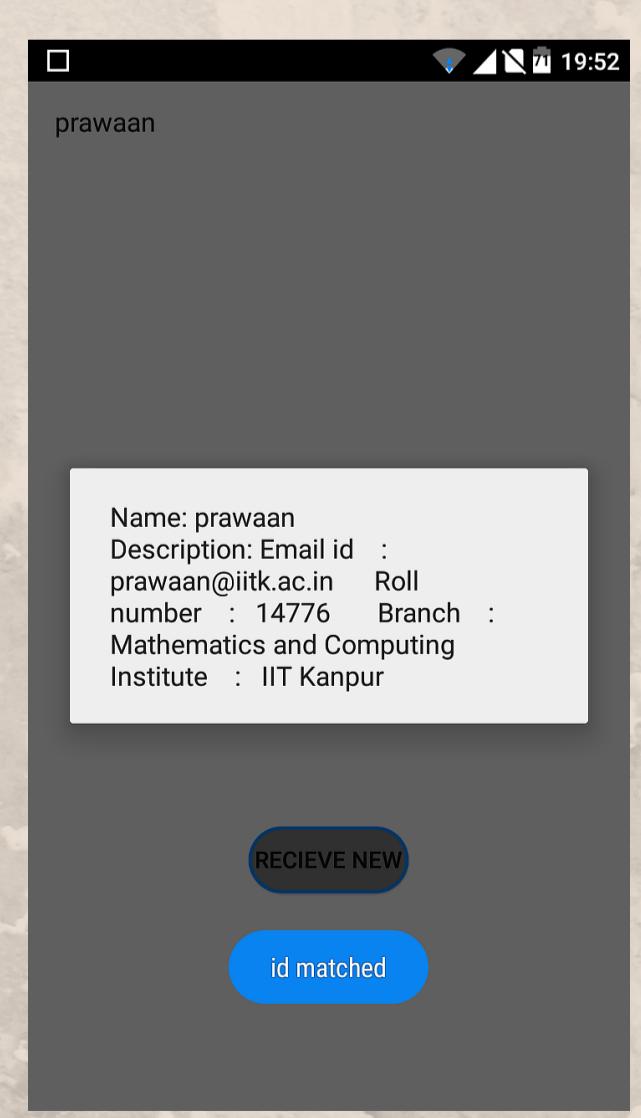
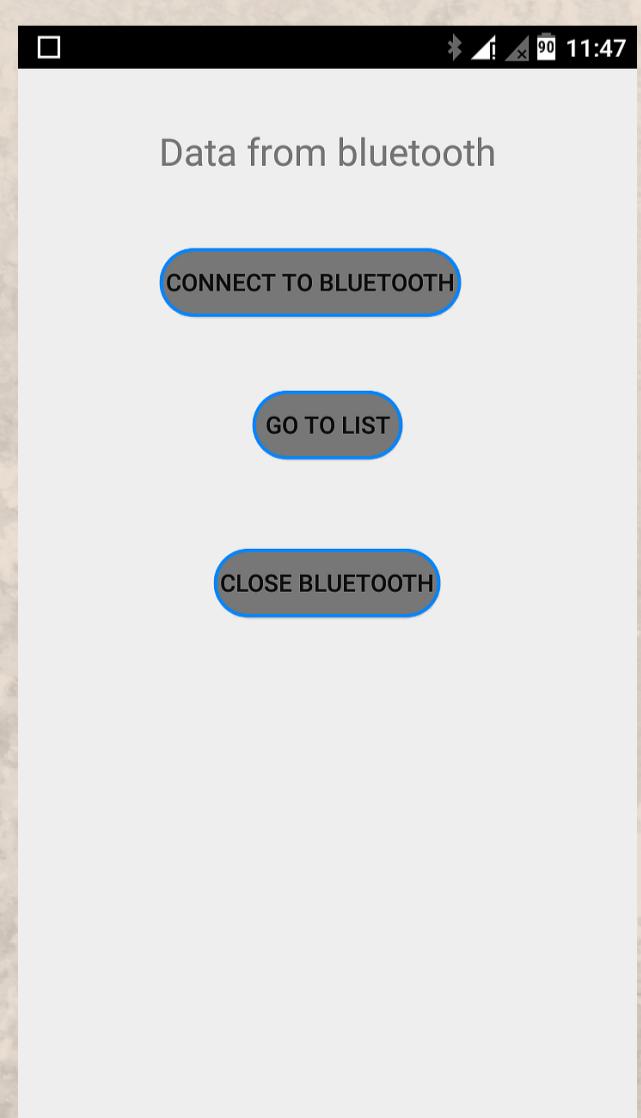
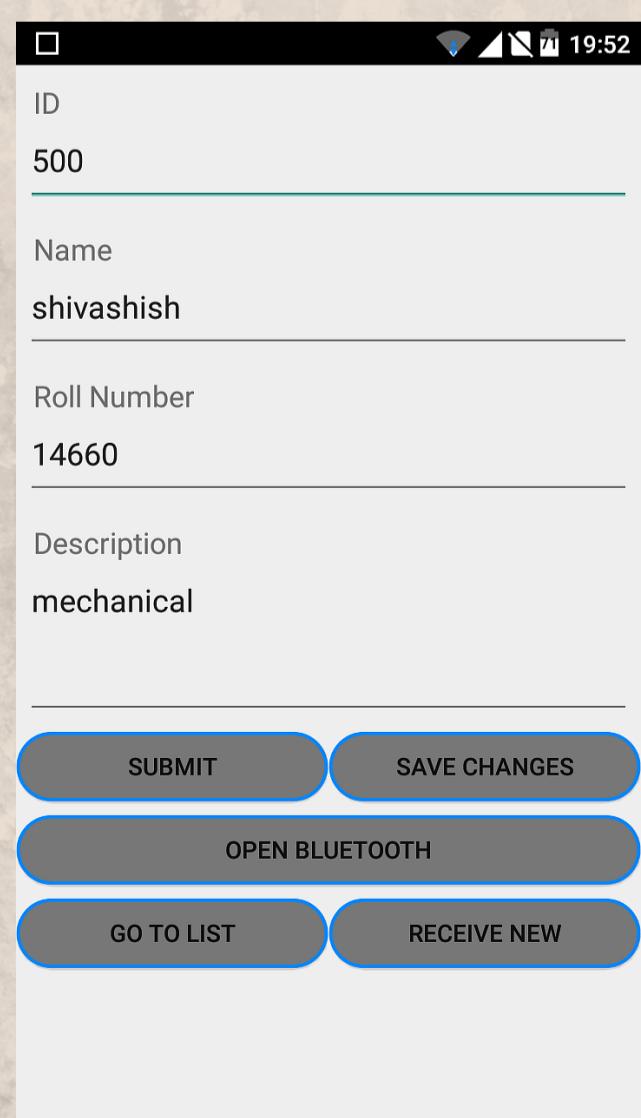
OBJECTIVE : WE FIRST DETECT HANDSHAKE USING ACCELEROMETER AND THEN IR FIRES A UNIQUE BAND ID. THIS ID IS THEN SENT TO THE ANDROID APP VIA BLUETOOTH, WHICH IS THEN SENT TO THE SERVER. SERVER AUTOMATIUCALLY SENDS THE DATA CORRESPONDING TO THAT ID BACK TO THE ANDROID APP., HWIICH IS THEN DISPLAYED IN THE APP.



PLOT OF VARIATION IN ACCELERATION IN VERTICAL DIRECTION DURING HANDSHAKE USED IN HANDSHAKE ALGORITHM.



## SCREENSHOTS OF ANDROID APP



# THANK YOU

-Team Smart Handshake