1 Flash Vaman-ESP using Arduino Through ArduinoDroid Application

1.0.1. Flashing the code to VAMAN board with the help Arduino UNO board through the mobile Application ArduinoDroid. Make connections as shown in Table 1.0.1.1 and modify the circuit accordingly

VAMAN LC PINS	ARDUINO PINS
3.3	3.3
GND	GND
TXD0	TXD
RXD0	RXD
0	GND
EN	GND

Table 1.0.1.1

1.0.2. Add the Potential Divider circuit between VAMAN and ARDUINO boards TX and RX pins

1.0.3. Modify your platformio.ini file by adding the lines

```
upload_port = /dev/ttyACM0
upload_speed = 115200
```

1.0.4. For compiling and genrating the bin file

```
pio run
```

1.0.5. For uploading bin file to Vaman through ArduinoDroid application

```
1. Open the Droid Application
2. Click the three dots in the top right corner
3. Navigate to Settings -> Board Type
4. Select ESP32 -> DOIT ESP32 DEVKIT V1
5. Change the upload speed to 115200
6. Upload the generated .bin file
```

while the dots are printed on the screen, disconnect the EN wire from GND. Make sure that the Vaman board is not powering any device while flashing. The Vaman-ESP should now flash.

1.0.6. After flashing, disconnect pin 0 on Vaman-ESP from GND. Power on Vaman and the appropriate LED will blink.