**PROJECT DEVELOPMENT AGREEMENT**

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| **NAME OF THE PROJECT** | POS device |
| **CUSTOMER NAME** | Anonymous |
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| **OWNER CONTACT** | 8860519410 |
| **PROJECT ID** | ELRMD059044 |
| **LOCATION** | New Delhi |
| **LAST DATE** | 11/02/2018 |
| **PRICING WITH OUR COMPONENTS** | 1550 |
| **PRICING WITH YOUR COMPONENTS** | 2850 |

**DESCRIPTION –**

 A POS(point of sale) device is needed which can be used by small and roadside merchants to get a confirmation whenever a customer pays through Paytm. The POS device should have a 16X2 LCD screen which should display the name and the amount paid by the customer. The device can make use of the confirmation message that Paytm sends, extract the name and amount from it and display it on the LCD. In addition, the POS device should also print a small receipt having details (name and amount) about the transaction. The device should be very economical and power efficient.

**APPLICATION –**

1. **A 16X2 LCD displaying name and amount**
2. **Print a small receipt using a small/portable printer.**
3. **LED lights up when a transaction is confirmed.**
4. **Should be highly economical and power efficient.**

**HARDWARE MATERIAL –**

1. **LCD 16X2**
2. **Arduino Nano(or anything smaller and cheaper that does the work)**
3. **GSM shield – Sim800L.**
4. **Connecting Wires, Led.**
5. **Portable printer (Optional)**
6. **Battery Unit in case of power cut.**

**SOFTWARE MATERIAL –**

Arduino SDK.

**DEVELOPMENT PROCESS –**

* + - 1. **Design a schematic diagram on** [**fritzing**](http://fritzing.org/home/) **or any similar tool.**
      2. **Get sim SMS’s on the LCD screen using Arduino Nano and GSM Shield – Sim800L.**
      3. **Provide a trigger using LEDs and Buzzers whenever there’s a SMS from Paytm regarding the transferred amount.**
      4. **Print the SMS of Paytm on the LCD screen.**