**PROJECT DEVELOPMENT AGREEMENT**

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| **NAME OF THE PROJECT** | Secret code enabled secure communication using RF technology |
| **OWNER NAME** | Saurav Kumar |
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| **PROJECT ID** | ELRMD059047 |
| **LOCATION** | Delhi |
| **LAST DATE** | 05/02/2017 |
| **BID WITH OUR COMPONENTS** | 3500 |
| **BID WITH YOUR OWN COMPONENTS** | 6000 |

**DESCRIPTION –**

Creating a RF based communication system which has 3 ends – 1 Transmitter and 2 Receivers can be called as units. All the units will have 1 Arduino enabled screen and a keyboard to enter the message.   
The message will be sent from transmitter to receiver 1 must be encrypted using AES algorithm.   
The receiver 1 will be triggered to show the encrypted message after the password entry.  
At the same time, the receiver 2 will be triggered to show the decrypted message after the password entry.

**HARDWARE MATERIAL – 3 Arduino Uno/Nano, 3 LCD (16 X 4), 3 set of RF receiver and transmitter kit, Jumper Wires, Basic components for integration and Current Handling**

**SOFTWARE MATERIAL – Arduino IDE**

**TESTING PROCESS –**

1. The unit 1 will be used to transmit the message, the transmission can be confirmed once the text will be changed to “MESSAGE SENT”.
2. The reception unit 1 will show the encrypted message once you enter the password.
3. The reception unit 2 will show the decrypted message once you enter the password.

**CIRCUIT DIAGRAM –**

**FLOW DIAGRAM -**