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# COAL Project Proposal: USR

Submission date: 26-Nov-18

Submission By: A group of Section C

Submit to: Sir Nauman, muhammad.nouman@nu.edu.pk

**Project Name:**

USR (Ultimate Surveillance Robot)

**Project Purpose/Goal(s):**

* Autonomously Operated mode the Robot guides itself using Compass and Infrared Sensors and receives coordinates using GPS (Global Positioning System) module
* In 5 mins it is converted to Human Controlled mode in which it can be operated by a human using the Gyroscope Sensors on purpose-built mobile application on their smartphones
* In Human Controlled mode the commands are given by the user on their smartphones and commands are conveyed to the Surveillance via the Bluetooth chip mounted on top of the Surveillance Robot
* In both (Autonomous and Human Controlled) modes it uses a mobile phone mounted on top of the Surveillance Robot to record video in real time and then stream it on a separate smartphone using Bluetooth technology

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| **Stakeholder Name** | **Stakeholder’s Unique IDs** |
| Muhammad Abubakr | 17k-3856 |
| Masood Ahmed | 17k-3680 |
| Mohsin Ali | 17k-3634 |

**Success Factors:**

We will work hard and try to fulfill all the characteristics mentioned above precise and efficiently.

Risk Factors:

The Biggest Risk is that the time might not be sufficient for this project.