**Progress Report 1**

**Noise and echo cancellation in a teleconference**

**Project in Wireless Systems**

Our project group and tasks are divided into 3 parts such as Android, Theory and Management. Our progress in every individual part till date is stated below:

* **Android Part:**

There were 7 tasks within these segment and our progress on individual tasks are stated briefly in the table below:

|  |  |
| --- | --- |
| Task No. | Progress / Outcome |
| 1. | Accelerometer data recorded in a log file and it was done in the elevator of Q-building. |
| 2. | A car was drawn successfully using the “draw” functions and the canvas. |
| 3. | Seeing the car from left and right side every second alternatively was done successfully. |
| 4. | A continuous sound was recorded and played with two echoes successfully. |
| 5. | Sound was recorded on one phone and it was played to the other phone with short buffering. |
| 6. | Sound was recorded using two phones. These two sounds were added together and played on the third phone successfully with short buffering. |
| 7. |  |

* **Theory Part:**

We have started working with the LMS algorithm for noise cancellation, and successfully managed to have a working design. But we are still working on our design to improve it further to make it more efficient.

* **Management Part:**

Project plan was successfully designed and submitted with Resource allocation, Gantt chart and detail Task Calendar. Moreover, every member of the group was assigned tasks based on their work interest and it was monitored and followed-up as required to finish everything within the set timeline.