### **MT2521 Research Methodology HT15**

### **Milestone 1**

### **Project proposal**

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| **Title:** | Server monitoring Android application |
| **Problem statement** | It’s a hectic task for an administrator to monitor a remote server. He has to either go to the server datacenter or login via ssh remotely in order to know the status of the server, Hence there is a need to develop a mobile application to monitor the server at their fingertips. |
| **Research question(s):** | What is the procedure to develop a mobile application for remote server monitoring? |
| **Hypothesis:** | 1. An application can be developed for knowing the real-time status of remote server.  2. Sending notification to the admin whenever a server goes offline.  3. Capability to set the polling frequency at convenient time intervals. |
| **Main contributions:** | -About 85 percent of the global shipment of smart phones run Android operating system hence implementing this application on android platform serves majority of the users.  -Verifying for the required functionality to be served by the application  -Validating the developed application and release of final version |
| **Keywords:** | Remote server, mobile application, android platform. |
| **References:** | [1] “Android Developers.” [Online]. Available: http://developer.android.com/index.html. [Accessed: 13-Sep-2015].  [2] Wei-Meng Lee., *Android Application Development Cookbook: 93 Recipes for Building Winning Apps [Elektronisk resurs]*. Wiley, 2012.  [3] M. U. bin Aftab and Wajahat Karim, *Learning Android Intents*. Birmingham, GBR: Packt Publishing Ltd, 2014.  [4] G. Nudelman, *Android Design Patterns: Interaction Design Solutions for Developers [Elektronisk resurs]*. Indianapolis, In.: Wiley, 2013. |