



Project Title:

Radio Access Technique Selection Algorithm to Enhance Performance in Heterogeneous Mobile Network

Introduction:

Nowadays, mobile communication has become an essential for the human life. On the other hand, there is a booming in the developed technologies. So, the operators are facing a lot of problems for the best utilizations of the different radio access technology (RATs) that they may have.

In this project, the effect of deployment different RATs will be studied and selection algorithm will be introduced to select the most suitable RAT to get the required GoS. The project will be done via Matlab tool will be based on different network parameters.

Project Objectives:

The project objective is to investigate the network performance for different RATs. This is will done by applying each RAT and study the effect on the handoff traffic and get the optimum RAT which gives the required GoS .

Students Rule:

The project group will implement RAT selection algorithm (may be 4 students or less) by means of Matlab files and suitable Graphical user interface (GUI) .