



GRADUATION PROJECT PROPOSAL

Academic Year/Semester: 1433-1434

A.GENERAL INFORMATION

- A1. Supervisor(s): Tahir Mahmood
 - A2. Project Title: **Analysis of MANETs Routing Protocols (DSR and AODV)**
 - A3. Number of Students: 1
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B.PROJECT ABSTRACT

The Mobile ad hoc network (MANETs) is a self configured and self organized network. The routing of packets inside network is one of its key issues. Many routing protocols have been proposed and analyzed since last fifteen years. In this project we will implement two MANETs routing protocols DSR (Dynamic Source Routing) and AODV (Ad-Hoc On-Demand Distance Vector) through OPNET (Optimized Network Engineering Tools) simulation tool. We will also perform comparisons among the parameters of these protocols.

C. REQUIREMENTS (both hardware and software)

- **Hardware : PC**
 - **Software : OPNET Simulator, Wire shark**
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D.PROJECT PHASES

- 1-Introduction
 - 2-Methodology/Design
 - 3-Implementation
 - 4-Result Analysis
 - 5-Report Writing
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E. SCHEDULING OF PHASES

- Semester 1: First 2 phases
- Semester 2: Remaining 3 Phases