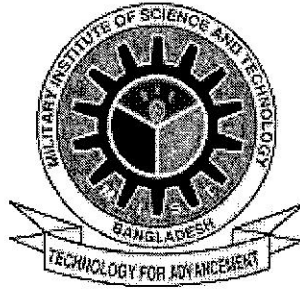


**Military Institute of Science & Technology**  
**Mirpur Cantonment, Dhaka**



**Department of Computer Science & Engineering**

**COURSE OUTLINE**

**Subject**

Title: Computer Network Sessional  
Code: CSE-310  
Credit Hour: 1.5  
Contact Hour: 3 hr  
Level-3, Term-I

**Instructor(s)**

Prof. Dr. Md Mahbubur  
Rahman  
Lec Nazia Hossain  
Lec Mahmuda Rawnak Jahan  
Lec Afia Anjum  
Lec Sumaiya Afroz Mila  
Lec Raiyan Rahman

**1.0 Course Objectives:**

After undergoing this course, students should be able to:

- 1.1 Understand, analyze, simulate, and present architectures of different types of computer networks & develop, and present contemporary and new protocols of computer networks.
- 1.2 Understand, Design, analyze different types of Network Layers.
- 1.3 Identify applications of computer networks with determining suitable alternatives of the networks.
- 1.4 Achieve a basic idea about Cisco Packet tracer, WireShark, Ns2

**2.0 Text Books:**

- 2.1 Computer Networking-A Top-Down Approach (6<sup>th</sup> Edition)  
- James F. Kurosu and Keith W. Ross
- 2.2 Data Communications and Networking (4<sup>th</sup> Edition)- Behrouz A. Forouzan

### 3.0 Distribution of Marks:

Category	Marks %
Online-1	25
Online-2	25
Attendance	10
Quiz	15
Class Performance	25
Total	100%

### 4.0 Distribution (Planning) of the Course Contents:

Week	Lecture	Topics	Remarks
1	Lab 1	IP Addressing, Basic Configuration of Cisco Packet Tracer	Dr. Mahbub
2	Lab 2	Socket Programing	Lec Nitu
3	Lab 3	Basic Network Configuration (Static) Data	Lec Nazia
4	Lab 4	Variable Length Subnet Mask (VLSM)	Lec Raiyan
5	Lab 5	RIP, EIGRP	Lec Mila
6	Lab 6	Dynamic Host Configuration Protocol (DHCP) , Open Shortest Path First (OSPF)	Lec Nazia
7	Lab 7	Online-1	
8	Lab 8	Routing Algorithm	Dr. Mahbub
9	Lab 9	Access Control List (ACL)	Lec Nitu
10	Lab 10	VLAN, InterVLAN, VTP	Lec Raiyan
11	Lab 11	Information Gathering using Wireshark	Lec Mila
12	Lab 12	Introduction to NS2	Lec Afia
13	Lab 13	Online-2	
14	Lab 14	Quiz	

Date: February, 2019

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Signature of the course teacher(s)