PROGRAM	Master of Business Administration
SEMESTER	3
COURSE TITLE	Network and Communication Management
COURSE CODE	04MB0338
COURSE CREDITS	03
COURSE DURATION	42 Hrs (42 sessions of 60 minutes each)

COURSE OUTCOMES:

* Understand the major Network concepts
* Interpreting the effective ways of Network Components and Architecture
* Determining the Network Standards and Network Operations.
* Explaining the Network Protocols
* Reviewing the elements of network connectivity.

COURSE CONTENTS:

Module No	Unit / Sub Unit	Sessions
I	**Introduction to Networking:** Introduction to Network, Network Configuration, Network Topology. **Basic Network Media:** Network Cabling, The Network Interface Card, Wireless Networking	06
II	**Understanding Network Architecture:** Access Method, How Networks Send Data, Ethernet, Token Ring	08
III	**Introducing Network Standards and Network Operating:** Open System Interconnection (OSI) Reference Model, Introduction to Network Operating Systems.	10
IV	**Defining Network Protocols**: Introduction to Protocols, TCP/IP. **Elements of Network Connectivity:** Connectivity Devices, Connection Services	10
V	**Network Security & Managemen**t - Principles of cryptography – Elliptic-AES-Authentication – integrity – key distribution and certification – Access control and: fire walls – DoS-attacks and countermeasures – security in many layers.	08

Evaluation:

The students will be evaluated on a continuous basis and broadly follow the scheme given below:

	Component	Weightage
A	Continuous Evaluation Component (Assignments / Presentations/ Quizzes / Class Participation/ etc.)	20% (C.E.C.)
B	Internal Assessment	30% (IA)
C	End-Semester Examination	50% (External Assessment)

SUGGESTED READINGS:
Text Books:

Sr. No	Name of the Book	Author /s	Publisher	Edition & Year
T-01	Network+	KELLY W. KUTZ	John Wiley & Sons, Inc	2nd edition,2019
T-02	Network Security	Dr. Eric Cole, Dr. Ronald Krutz, and James W. Conley.	Bible.	1st edition,2012

Reference Books:

Sr. No	Name of the Book	Author/s	Publisher	Edition & Year
R-01	Upgrading and Repairing PCs	Scot Muller	Cengage Learning	5th edition,2012
R-02	Networking Essentials Plus.	MCSE Training Kit	MCSE Training Kit	Third Edition or latest 2014