

# GOVERNMENT POLYTECHNIC COLLEGE, KOTA (RAJ.)

## SYLLABUS BREAK-UP (SESSION 2015-16)

SUBJECT CODE : **EL 309**

SUBJECT NAME : **Computer Communication**

FACULTY NAME : **Akhilesh Kumar**

DESIGNATION : **SR. LECTURER  
& Engg)**

TOPIC	LECTURE / PRACTICAL CLASSES REQUIRED TO COVER TOPIC	MONTHS IN WHICH THE TOPIC WILL BE COVERED	ACTUAL DATE OF COVERING OF THE TOPIC	REASON FOR NOT COVERING THE TOPIC IN DUE TIME
Introduction : Need of computer communication Analog and Digital data transmission Brief idea of transmission media - guided and wireless	7	Aug 15, sep 15		
Network Fundamental : Network topology General idea of LAN, MAN and WAN Internet working	6	Oct-15		
Switching techniques and their comparison Circuit switching Message switching	4	Nov-15		
Packet switching Simple idea of MODEM Brief idea of ISDN	4	Nov-15		
Data Link and Medium Access : Framing Error detection and correction – cyclic redundancy check	4	Dec.15		
Retransmission techniques Retransmission strategies Sliding window protocol	4	Jan-16		
Medium Access Techniques CSMA and CSMA – CD ALOHA and Slotted ALOHA	4	Jan-16		
Backbone networks : Routing Concepts Shortest path Flooding	6	Feb-16		
Concentrators (HUB) Bridges and Routers Congestion control – basic concept – leaky bucket technique	6	Feb 2016 march 2016		
Revision	9	March 16 april 16		



TOTAL	54			

**JRER (Computer Sc.**

E-CONTENTS PROVIDED TO STUDENTS RELATED TO TOPIC



