

LEARNING MANAGEMENT SYSTEM (LMS)
DEPARTMENT
OF
COMPUTER SCIENCE & APPLICATIONS
(B. COM (COMPUTER APPLICATIONS))

FUNDAMENTAL OF INFORMATION TECHNOLOGY		
UNIT	TOPIC	E-Content
1.	Introduction	https://youtu.be/o3gfl3xUuj4 https://youtu.be/mOYpH24GR6Y https://youtu.be/0R_02LHAi8w https://youtu.be/rix37LCTTvo
2.	Input& output devices, Computer memory	https://youtu.be/qmm6BLFUUvo https://youtu.be/eBrIkX3HVOw
3.	Introduction - number system	https://youtu.be/LcfIQhMCBe4 https://youtu.be/UHFikYc9qs4
4.	Computer software	https://youtu.be/ccokzYaO0jI https://youtu.be/mvAciWzE_mE
5.	Computer networks	https://youtu.be/An53n7Ow7RE https://youtu.be/KcOgCIa_wcQ
C & C++ PROGRAMMING		
UNIT	TOPIC	E-Content
1.	Introduction to C language, Low Level Language v/s Assembly Language,	https://youtu.be/EjavYOFoJJ0 https://youtu.be/E6jtj-7xJoA
2.	Language Translators/compiler/interpreter, Functions, Pointers and Arrays in C	https://youtu.be/qcEBXrqFLe8 https://youtu.be/ccokzYaO0jI
3.	An Introduction to programming through C++	https://youtu.be/pQKPUD4_6gA
4.	Problem Solving using computer, Basic Elements of Program	https://youtu.be/JR3Ysh0ySXY https://youtu.be/I99bi-iw6lM
5.	Program Design	https://youtu.be/dedP0G_3mzs
RELATIONAL DATABASE MANAGEMENT SYSTEM		
UNIT	TOPIC	E-Content
1.	Introduction to the Relational Model, Database Design and the E-R model,	https://youtu.be/Q45sr5p_NmQ https://youtu.be/uvSNzQVZq7A
2.	Introduction to SQL, Intermediate, Advanced SQL, Transaction Management	https://youtu.be/HAI5DG_160k https://youtu.be/YsPRw4OWFZE
3.	Concurrency Control, Recovery,	https://youtu.be/L0m4k1ApZtA

	Serializability, Recoverability	https://youtu.be/TVPSuTgfaSk https://youtu.be/rjcM9_r656g https://youtu.be/h3LekjFg2uY https://youtu.be/1d4BFaIQDIA
4.	Normal Forms	https://youtu.be/4Vn2-tcg21c https://youtu.be/pf7ws6WgklU
5.	RDBMS Performance & Architecture, Optimization	https://youtu.be/MGJaOVjdHvs https://youtu.be/pAonkbv10ak

WEB TECHNOLOGIES

UNIT	TOPIC	E-Content
1.	Structuring Documents for the Web	https://youtu.be/i94zoNYSFik
2.	Cascading Style Sheets	https://youtu.be/6EMkq7UqMGE
3.	Learning Java scripts, working with Java scripts, Putting your site on the web	https://youtu.be/W6NZfCO5SIk
4.	Javascript, XML Declaration & Documentation	https://youtu.be/m-SkpKpVpGI https://youtu.be/iLC12EinND0
5.	Cookies in servlet, Cookies and Sessions	https://youtu.be/w2TYBy_7L0 https://youtu.be/Ae3WBXMMIXA

E COMMERCE

UNIT	TOPIC	E-Content
1.	Introduction, Types of e-business transactions	https://youtu.be/BGEQCn6EEDA https://youtu.be/GApeD4QN7xU
2.	Business Models on the web, Inter and Intra Organizational Business Processes,	https://youtu.be/ws2Od0EuYm4 https://youtu.be/51grjrn96WA https://youtu.be/sWAaCN8WTMY
3.	Supply Chain Management,	https://youtu.be/01pbJglxNM https://youtu.be/Fb3pLj3XoAo https://youtu.be/bE8Kr5zyBts https://youtu.be/esfYr-LVIVM https://youtu.be/45aW3NKu7wc
4.	E-Marketing, E-procurement - Reengineering the traditional procurement process,	https://youtu.be/k9DVD-4gf6Y https://youtu.be/GZ18P6GCqYY
5.	Components of E-Business Infrastructure, Security categories	https://youtu.be/I8NGtuJyIUE https://youtu.be/Rezq4YSD0RM https://youtu.be/6iYqQ5tSSIY https://youtu.be/s2lvpDsIVcc

CYBER SECURITY		
UNIT	TOPIC	E-Content
1.	Introduction Cybersecurity	https://youtu.be/KqSqyKwVuA8
2.	Cryptography, Security Protocols	https://youtu.be/5wj-WSH3xxk https://youtu.be/RfjQJN3TjZ0 https://youtu.be/gMdInfJ3Bh4 https://youtu.be/6hA3xHYJhKM
3.	Software Vulnerabilities and Web Application Security, Malwares	https://youtu.be/5ESKgBr5JLs https://youtu.be/uIqY0uaexMA https://youtu.be/sIyVeNDKF3A
4.	Security Assurance, Attacks on system, Non-Cryptographic Protocol Vulnerabilities	https://youtu.be/Pw1kukbH5hM https://youtu.be/QoKOVBg_Weo https://youtu.be/6QKZKSS-xrQ https://youtu.be/YqHrAsBxleE
5.	Database Security, Intrusion Detection and Prevention, Network Intrusion Detection System, Phishing - Threats and Countermeasures	https://youtu.be/xVR5KkJHD4E https://youtu.be/V0kpncat884 https://youtu.be/KmH4mf7LFwk https://youtu.be/cBnvtdOKo8o https://youtu.be/-1tIctPCLZU
INFORMATION TECHNOLOGY		
UNIT	TOPIC	E-Content
1.	Introduction	https://youtu.be/ZAW5YDHsMY https://youtu.be/keA1xmPjQuC https://youtu.be/KpyUBIBojIY
2.	Architecture of a Computer, Internet, Network Architectures	https://youtu.be/iZGzFhzn_O8 https://youtu.be/WoIIgvn-RsY https://youtu.be/CpVFEh26aD4 https://youtu.be/rHwjHD2oe8Y https://youtu.be/zFlxSKPLBCY https://youtu.be/kZmY1YAGdKU
3.	Data management, Expert Systems	https://youtu.be/8VychqAPHs0 https://youtu.be/IyrfcgqFmIk https://youtu.be/tgXOpzLlly4 https://youtu.be/bMwy11xUQC0
4.	Operating System, System Software and Application Software	https://youtu.be/kRPE2T1cuOo https://youtu.be/wFdmyMqz-gI https://youtu.be/T0BaY5BfR1A https://youtu.be/tC1b7oiGQg8