



**Faculty of Computer Studies (FoCS)
Sub Committee for Curriculum Development**

Format to submit syllabus

Course Name: Understanding LDAP

(UG/PG): PG

Number of Credits: 3

Level: 4

Course Code: T3425

Learning Objective(s): This course helps to understand concepts of LDAP, structures and ideas. Up-on completion of this course student can able to configure LDAP

Pedagogy:

Lectures

Hands-on Lab sessions

Pre-learning: Knowledge of Directory servers

Course Outline:

Sr.No.	Topic	Hours
1	Introduction to LDAP What is LDAP Acronyms LDIF Schema Attribute abbreviations Search Filters LDAP URL LDAP command line tools	10
2	Installing and Configuring LDAP Servers Openldap LDAP Server architecture Replication Replication Options Example slapd.conf	12

3	LDAP Applications Application Architecture Using Multiple Applications System Authentication Migration Example LDIF Installation /etc/ldap.conf /etc/nsswitch.conf /etc/pam.d /etc/pam.d/ssh Apache user auth Squid ACLs Sendmail routing Samba	8
5	Programming LDAP Perl Basic Query Adding Entries Deleting Entries Modifying Entries Rsync Backup Scripts Schema LDIF Extract Code Squid Authentication User Admin Scripts ldapadduser.pl ldapdeluser.pl ldapdumpusers.pl ldaplistgroups.pl	15
Total		45

Books Recommended:

1. Mastering OpenLDAP: Configuring, Securing and Integrating Directory Services
2. Understanding LDAP (IBM Redbook)

Suggested Evaluation Methods:

Lab based Evaluations
 Assignments
 Presentation

Parallel/Similar courses the existing curriculum:

S.No.	Name of the course	Institute where it was offered
<u>1</u>	-	-

Name of Member	Prof. Harshad Gune				
Designation	Dy. Director				
Org. / Inst.	SICSR				
Signature					

Name of the Expert:

Signature:

Date: