PANJAB UNIVERSITY, CHANDIGARH

(Estted. under the Panjab University Act VII of 1947- enacted by the Govt. of India)

FACULTY OF ARTS

SYLLABI

FOR

ADVANCE DIPLOMA IN LIBRARY AUTOMATION AND NETWORKING w.e.f. session 2021-22 (only USOL)

SYLLABUS ADVANCE DIPLOMA IN LIBRARY AUTOMATION AND NETWORKING (ADLAN)

Paper C de: LAN-02

Paper Title: Library Aut mati n

Instructi ns f r the Paper-Setters / Examiners:

Essential Readings:

Aswal, R. S. (2006). Library automation for 21st Century. Delhi: Ess Ess.

Balasubramanian, P. (2011). Library automation & networking. New Delhi: Deep & Deep.

Devarajan, G. (2008). Library computerization in India. New Delhii: Ess Ess.

Duval, B. K., & Main, L. (1992). Automated library systems: a librarian's guide and teaching manual. Meckler Corporation.

Kumar, P. S. G. (2003). Computerization of Indian libraries. Delhi: B.R. Publishing House.

Nagia, R. (2012). Making of software packages for library automation. New Delhi: Cyber Tech. Pub.

Riaz, M. (1995). Library automation. New Delhi: Atlantic

Sharma Pandey, S. K. (1995). Fundamentals of library automation. New Delhi: Ess Ess Publications

Further Readings:

Salemon, S. Library Automation. In *Encyclopedia of Library and Information Science* (Vol. 14). New York: Marcel Dekker.

Singh, P. K. (2005). *Library automation*. New Delhi: Shree.

Theresa T R Ratna K C & Rai R A (2011). Information technology and library automation. New Delhi: Commonw2(D)2(Tf 2-2(i)-2(on)38-4(ubl)-2(i)-2(s)-1(hi)-e)-68.F

Unit-1

MS- Wind ws & MS- Office:

MS INDO S Fi e In ge ent
MS OFFICE MS ORD, MS EXCEL Ind MS PO ERPOINT.

2nd Semester

Paper C de: LAN-04

Paper Title: Inf rmati n Systems

Instructi ns f r the Paper-Setters / Examiners:

Objectives: To provide sisic no edge of infor tion stor ge, processing and retriev

Unit-1

System Analysis and Design

History and developents in general syste is theory Information Syste is Components
Information Syste is in it is like in the system of the sys Syste s Deve op ent Life Cyc e SDLC Syste i pe ent tion, ev u tion and docu ent tion Syste description techniques

Unit-II

Type f Inf rmati n Systems:

Infor Ition Retriev I Syste s Architectures c Itegories, purpose, co ponents, functions, ode s Ind ev I u Ition of infor Ition retriev I syste s

E pert syste Need, co ponents, oper Ition Ind construction of e pert syste

M In Ige ent Infor Ition Syste s: Concept Ind definition, need, structures, design Ind deve op ent, i pe ent Ition, ev I u Ition Ind Inter Ince MIS Ind i r Iry Ind infor Ition

Decision Support Syste DSS Concept, definition Ind structure

Unit-IV

Query Language and Query Pr cessing:

Query Language and Query Pr cess

Essential Readings

Christopher, D. M., Prabhakar, R., & Hinrich, S. (2008). Introduction to information retrieval.

should be strict y coording to the instructions entioned ove

Unit-IV

Netw rking and Res urce Sharing:

Net or ing File, fo der, printer sharing Net or ing tools and services Feder ted Searching Tool, Techniques and Services Scientific Net or ing Mende ey

Essential Readings

Gurvinder Singh, & Rachhpal Singh. (2007). *A text book of windows based computer courses* (9th ed.). Ludhiana: Kalyani Publishers.

Norton, P. (2005). Introduction to computers (6th ed.). New Delhi: Tata McGraw Hill.