

**LIS14304EA1 AGRICULTURE INFORMATION SYSTEM
(4 Credits)**

Credit Pattern

Lecture	Tutorial	Practical	Total
3	1	0	4

Objectives:

- To understand development of Agricultural sciences, resources and information systems useful to various stakeholders in accessing information.
- To sensitize in planning and designing of local/national information systems pertaining to various Agricultural Programmes.

Unit I

- 1.1 Agricultural Science: Concept
- 1.2 Scope of agricultural sciences
- 1.3 Agricultural Science Organizations and Institutions. National and International. .
 - 1.3.1 Indian Council of Agricultural Research. (ICAR)
 - 1.3.2 National Agricultural and Forestry research Institute. (NAFRI).
 - 1.3.3 Japan International Research Center for Agricultural Sciences(JIRCAS).
 - 1.3.4 Food and Agricultural Organization. (FAO).

Unit II

- 2.1 Information needs and information seeking pattern of Agricultural Science Professionals.An overview.
- 2.1 Information sources
 - 2.1.1 Traditional and modern sources of information
 - 2.1.2 Subject specific tools

AIDA: Accessible Information on Development Activities, Anancy, ARD-InfoSys+, Bioline International, CAB International (CABI), CGIAR Virtual Library, Development Gateway Foundation (DGF), DGroups, e-Agriculture.org, , InfoSARD, BIOSIS database, Chemical Abstract Service.

Unit III

- 3.1 Agricultural Information Systems and Networks: International and National.
 - 3.1.1 FAO Databases and Information Systems (AGRIS, WEBAGRIS ,AFRIS, AQUASTAT, CARIS, DAD-IS, country Profiles And Mapping Information System, WIEWS, WAICENT,AIMS etc)
 - 3.1.2 International Fund for Agricultural Development (IFAD), World food Programme, International food policy research institute, Agricultural Network Information Center. (AGNIC) etc. Coherence in Information for Agricultural Research for Development (CIARD), NICFOS (Mysore)
 - 3.1.4 GLOBAL Alliance of the Regional Agricultural Information Systems (GLOBAL.RAIS)
- 3.2
 - 3.2.1 E-aggregators (Elsevier, Blackwell, Emerald, Spinger-link,Academic press etc.)
 - 3.2.2 Agricultural Science Consortiums (J-Gate, Ugc-Infonet, INDEST, CSIR library consortium, ISRO library consortium, ICMR library consortium)
 - 3.2.3 Informal sources: Micro- blogging for farmers, idea exchange forums etc.

Unit IV

- 4.1 National and international Library and Information support to Agricultural Sciences Information: Contribution of NAL (USA), Library of IARI (India). AGLINET (Agricultural Libraries Network), IDRC Digital Library (International Development Research Centre), National Digital Library for Agriculture (NDLA), CGVirtual Library
- 4.2 Agricultural university libraries, National Research institute libraries, Discipline oriented Research oriented libraries, Agricultural college libraries, Government, trade and industrial libraries.
- 4.3 Designing a model Agricultural Information system: Planning, tools, problems and Perspectives.

Suggested Readings

- Deshmukh.P.P (Ed) (1987).*Information systems for Agricultural sciences and Technology*.New Delhi, Metropolitan.
- Eswara Reddy, D.B. (1976). ICAR: History and Growth. New Delhi : Indian Council of Agricultural Research.
- John Shenod (1974) .Agricultural librarians Association.In.Encyclopedia of Library and Information science. (v12, p. 245) New York : M. Dekker
- Leila .P. Morin (1976).Agricultural sciences Information Network.In Encyclopedia of library and information science. (V19, p. 42-43) New York: M. Dekker.
- Phadins, S.P & Abu ShoaibAhsan.(1976). Indian Agricultural data and Information .*Annals of library science and Documentation*, 23, pp.87-98.
- Rajgopalan.T.S (1974).Agricultural Librarianship In Encyclopedia of library and Information science (V. 11, p-. 352)

Websites (Illustrative)

- Aquaculture Network Information Center. Available at www.aquanic.org
- Commonwealth Agricultural Bureaux' World Agricultural Information Service. Available at <http://www.cabi.org/>
- Food and Agricultural Organization .Available at www.fao.org.
- Indian Agricultural Research Institute. Available at <http://www.iari.res.in>
- Japan International Research Center for Agricultural Sciences. Available at <http://www.jircas.affrc.go.jp/>
- National Agriculture and Forestry Research institute . Available at <http://www.nafri.org.la/>
- World Agricultural Information Centre. Available at www.fao.org/WAICENT/