I **Course Title:** **Computer Applications for Agri Business**

II. Course Code: **ABM 541**

III. Credit Hours: **3+0**

IV. Aim of the course

The course aims to instill the significance of computer applications in the organizations and handling recent trends in information technology and system for improved decision making

The course is organized as follows:

No	Blocks	Units
1.	Basics of computers	1. Concept of computers
		2. System and application softwares
		3. Data base management system
2.	Business value of internet	1. Cloud computing
		2. Cyber security and ethical challenges
3.	Management Information	1. Concept of MIS System
		2. Introduction to Artificial Intelligence
		3. E-commerce agri business trends

V. Theory

Block 1: Basics of Computers

Unit I: Concept of Computers- Brief History of Computers, Generation and Its Evolution, Characteristics of Computers, Main Areas of Computers and their Applications; Classification of Computers, Input-Output Devices, Memory Types (Cache, RAM, ROM), Memory Units,

Unit-II: System Software and Application Software, Open source software, introduction to computer languages, Introduction to Operating Systems – Functions, Social Sciences: Agri-Business Management 383 Features and Types., MS Windows and LINUX. Data Base Management System, MS Office (MS Word, MS Power Point, MS Excel, MS-Access and use of various management software Like SPSS, SAS etc.

Block 2: Business Value Of Internet

Unit III: The business value of internet, Intranet, extranet and Internet, Introduction to Web page design using HTML, Cloud Computing, Security and ethical challenges: Computer crime – Hacking, cyber theft, unauthorized use at work. Piracy – software and intellectual property. Health and Social Issues, Ergonomics and cyber terrorism. Block 3: Management Information System

Unit IV: The concept of MIS–Definition, importance, Course Objective, pre requisites, advantages and challenges; Information Needs of organization, MIS and Decision – Making. Types/Classification of Information System for organizations; Introduction to Artificial Intelligence (AI), Neural Networks, Fuzzy logical control systems.

Unit V: e-business/ e-commerce: e-business models, e-commerce processes, electronic payment systems, e-commerce trends with special reference to agri business. Applications of MIS in the areas of Human Resource Management, Financial Management, Production/Operations Management, Materials Management, Marketing Management.

VI. Teaching methods/activities

- Lectures

- Practical's
- Live project
- Assignments
- Presentations

VII. Learning outcome

After successful completion of this course, the students are expected to be able to: – Understand the fundamentals of computers – Get a clearer idea about the application of Information technology in agri business management – Use of e commerce, artificial intelligence and MIS for improved decision making in management

VIII. Suggested Reading

- *Laudon KC and Laudon JP. 2016. Management Information Systems- Managing the digital Firm, 14h Edition, Pearson India*
- *Turban, Volonino, Woods. Wali OP. 2015. Information Technology for Management, Advancing Sustainable, Profitable Business Growth, Wiley*
- *Jaiswal M and Mittal M. 2005. Management Information System, Oxford*