



ANDHRA UNIVERSITY

ఆంధ్ర విశ్వకళా పరిషత్

Accredited by NAAC with 'A' Grade ISO 9001: 2015 Certified

ONLINE CERTIFICATE COURSE PROMOTED BY CSC ACADEMY CENTERS

Online Course: Information Technology in Agribusiness

Summary

Course Type:	Certificate
Duration:	3 Months
Category:	Management
Credit Points:	4
Level:	Undergraduate/Postgraduate
Eligibility:	Minimum 10 th Std Pass or ITI or a Polytechnic Diploma Holder or Above
Fees:	Rs. 1250/- (Rs. 250 Registration Fees and Rs. 1000/- Course Fees)

Admission Batch for Certification Courses	Admissions in Month	All Assessments Completion through LMS
March	1st Mar, April, 30th May	July
June	1st June, July, 30th Aug	Oct
Sept	1st Sept, Oct, 30th Nov	Jan
Dec	1st Dec, Jan, 28th Feb	April

Course Layout

Chapter 1: Introduction to Information Technology

Introduction - Meaning, Importance and Scope of IT - Introduction to Operating System Computers input and output devices, Organization and Architecture of Computers - Basic of Internet connectivity, Editing and Formatting a document - Basic of LAN, WiFi, Ethernet port and Search Engine - Microsoft : Word, Excel, Power point - Editing and Formatting a documents, Word Processors, Presentation - Software - Summary - Questions of Discussion

Chapter 2: IT and Agriculture

Introduction - IT in agriculture: significance and need - Decision Support System for farmers - Market Monitors - Opportunities in agriculture using technology - IT and agriculture using technology - Implementation - Summary - Questions of Discussion

Chapter 3: Classification of IT for agriculture management

Introduction - Types of IT for agriculture management - Traditional vs. modern IT tools and resources for agriculture management - Media and Agricultural Management - Community Radio : Concepts and Important - Community radio for Agricultural Development and Management - Mobile Agriculture - SSCM - Ample Profit to Farmers by Using IT - Real Time Monitoring Method - Precision Farming Outlook Can Tackle both - Financial and Environmental Matters - E-Agriculture - Summary - Questions of Discussion

Chapter 4: Indian Agriculture Extension System

Introduction - Concept of Agricultural Extension System - SWOT Analysis of Indian Agricultural Extension System - Government Agriculture Extension System - Private Agriculture Extension Systems - Public Sector Agriculture Extension System - Summary - Questions of Discussion

Chapter 5: E-Commerce Technology in Agriculture

Definition and meaning of e-commerce - Application of E-Commerce - Explanation of Traditional agriculture and modern agriculture and their impacts. - Differences between Traditional and Modern Agricultural pricing, Marketing and selling. - E-Commerce Applications for Agri-Business and Marketing - Agricultural Product E-Marketing Models - E-Commerce in Agriculture using Social Media - Summary - Self-assessment question

Chapter 6: Mobile Applications and E Portals for Agriculture Management

Mobile applications and Benefits - Mobile Applications for Agricultural Production - Mobile Applications for Weather Forecast - Mobile Applications for Cropping Patterns and Pest Management - Mobile Applications for Marketing and Price - Mobile Applications for Agricultural Technology Supports - Summary - Questions of discussion

Chapter 7: Technology for Greenhouses, warehouses and livestock management

Meaning, Principles and concepts of Greenhouse Structure and their types - Farm management and weed control using technology - Meaning, Principles and concepts, and structure of Warehouse technology - Meaning, Principles and concepts, and structure of Livestock management technology - Summary - Keywords - Self assessment question

Chapter 8: IT for Weather Forecasting

Definition and meaning of weather forecasting - Process of weather forecasting - Fundamental of weather forecasting - Importance and Significance of weather forecasting for agriculture - Need and Requirement of weather forecasting for agriculture - Elements of agricultural weather forecasting - Aspects of agricultural weather forecasting - Characteristics of agricultural weather forecasting - IT Tools for agricultural weather forecasting - Summary - Self-Assessment Questions

Chapter 9: Mobile Applications and Portals for Agriculture Management

Concept of Mobile Application and Portals. - Fundamentals and Importance of Mobile Applications and Portals. - Definition and meaning of ITC E-Choupal. - Definition and Concept of Digital Mandi. - Meaning and Importance of M-Krishi. - Description of Kissan Call Centre. - Information about Village Knowledge Centre. - Rapid Revision - Summary - Self-Assessment Questions.

Chapter 10: Management Information System

Definition and meaning of MIS. - Scope and importance of MIS. - Definition of Agricultural system. - Concept of Agricultural system. - MIS Structures for Agriculture. - Meaning of Artificial Intelligence for Agriculture Management. - Rapid revision. - Summary – Self-Assessment Questions

Books and References

- Agribusiness and Technology: Revolutionizing the Future of Farming by Sujit Sahgal
- Sensing Agriculture from Space: Geospatial Technology concepts and solutions for key players in Agri Value Chain by Dinesh Kar

CRITERIA TO GET A CERTIFICATE

- Continuous Evaluation – 25% weightage, Students need to complete 2 Assignments (MCQ Type) per Course through LMS
- Exam Score = 75% Weightage, Students to Attempt the Assessment through LMS – (MCQ Type)
- Passing Criteria – 40%

Only the e-certificate will be made available. Hard copies will not be dispatched. Thanks for your interest in our online courses and certification. Happy Learning.