



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore
Shri Vaishnav Institute of Agriculture
Generic/Elective course
IX semester

Course Code	Course Name	TEACHING & EVALUATION SCHEME							
		Theory			Practical		Credits		
		END SEM University Exam	Mid term exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*	L	P	Total
AGGE116	Integrated Disease Management	60	20	20	00	00	4	0	4

1. **Legends:** L - Lecture; P – Practical

2. *Teacher Assessment shall be based on following components: Quiz / Assignment / Project / Participation in Class.

Objective:

To know basic principles of integrated disease management of crop plants

Course Outcomes

1. Student will be able to understand importance of integrated plant diseases management
2. Student will learn about Integrated Plant Diseases management

THEORY

UNIT I

IDM: Introduction, history, importance, concepts, principles of IDM

UNIT II

Methods of plant disease control: Host plant resistance, cultural, mechanical, physical, legislative, biological and chemical control.

UNIT III

Ecological management of crop environment. Introduction to conventional pesticides for disease management.

UNIT IV

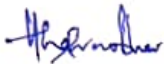
Survey surveillance and forecasting of plant diseases. Development and validation of IDM module.

UNIT V

Safety issues in pesticide uses. Political, social and legal implications of IPM. Case histories of important IPM programs. Case histories of important IPM programs.

Suggested Readings

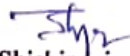
- G.N. Agrios (2005) Plant Pathology, Fifth Edition. Elsevier Academic Press.
- Rangaswami, G.K.Mahadevan.2001. Diseases of crop plants in India. Prentice Hall of India Pvt. Ltd., New Delhi
- Singh, R.S.2005. Plant Diseases. Oxford & IBH Publication, New Delhi
- Dhaliwal, G. S.and Ramesh Arora 2001.Integrated pest management: Concepts and approaches, Kalyani Publishers, Ludhiana



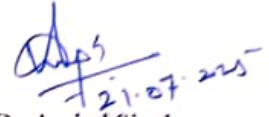
Prof. Vinod Dhar,
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Dr. Shishir Jain
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21.07.2025

Dr. Arvind Singh,
Registrar,
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