AGI4362 Environmental Agriculture	
Level	4
Course Code	AGI4362
Course Title	Environmental Agriculture
Credit value	3
Core/Optional	Core (Agriculture)
Course Aim/s	To develop basic knowledge on the impact of agriculture on environment and their
	applications in sustainable agriculture
Course Learning	CLO1: Describe the environmental concerns including interactions between
Outcomes (CLO):	microorganisms and environmentPO1, PO2, PO3, PO12
	CLO2: Analyze the impact of environment pollution on agriculture and environment
	pollution due to agriculture – PO4, PO5, PO7, PO12
	CLO3: Formulate measures to ensure environment friendly agriculture – PO7, PO8, PO12
Content	Outline Syllabus:
(Main topics, sub	Unit 1 Environmental concerns in Agriculture
topics)	Session 1 An Introduction to Environmental Microbiology
	Session 2 Biogeochemical Cycles in Ecosystem
	Session 3 Microbes in Atmosphere, Lithosphere and Hydrosphere
	Session 4 Microbial Interactions
	Session 5 Biodegradation of Pesticides
	Session 6 Climate Change and Environment
	Session 7 Impact Agriculture and forestry on Climate Change
	Session 8 Impact of Climate Change on Agriculture in Sri Lanka
	Unit 2 Environnemental Pollution and Agriculture Session 9 Introduction to Air Water and Soil Pollution
	Session 10Water Pollution
	Session 11 Eutrophication
	Session 12Environnemental Toxicology
	Session 13Pollution of Wetland Ecosystems
	Session 14 Farm Waste Management and Reutilizations
	Session 15 Wetland Management : Sustainable wetland, legislation and Policy
	Framework in Wetland Management in Sri Lanka
	Unit 3 Environmental Friendly Agriculture
	Session 16Principales of Sustainable Agriculture
	Session 17 Environmental Indicators for Agriculture
	Session 18 Environnemental Impact Assesment
	Session 19 Organic farming
	Session 20 Dry Land Farming
	Session 21 Commercial Greenhouse Production
	Laboratory Work: Yes
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