C1.01 - Activity Card

Workshop Title / Content Title	Problem solving challenge / Smart Agriculture for Food Security
Level	C1
Duration	4 hours
Goals	• Real-world Application: Address food insecurity through smart agriculture. • Interdisciplinary Learning: Integrate technology and data-driven approaches in agriculture. • Collaborative Problem-Solving: Foster teamwork and brainstorming. • Critical Thinking and Research: Guide research, planning, and development of technology-driven solutions. • Presentation and Feedback: Provide opportunities for presentation and constructive feedback.
Workshop Outputs	Technology-Driven Solutions: Solutions for increasing crop output, reducing waste, and ensuring sustainability.
	Research Summary: Compilation of research findings on precision farming, IoT-enabled sensors, and data analytics.
	Peer and Instructor Feedback: Summary of feedback received during presentations.
	Reflection Summary: Key takeaways on the applicability of solutions in real-world scenarios.
Required Materials	Laptops or Tablets: For research and presentations.
	Whiteboards and Markers: For brainstorming and concept illustration.
	Projector: For presentations.
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Description of Activity	Participants will engage in a 4-hour workshop focusing on smart agriculture for food security. Utilizing a case study from a BBC article, the workshop will guide participants through brainstorming, researching, planning, and developing technology-driven solutions. The workshop will include team activities, mock presentations, final presentations, and peer reviews.