

COURSE OUTLINE

PROGRAMME TITLE	Circular Economy: Unlocking the Value of Organic Waste
OVERVIEW (Brief introduction Of the topic)	Businesses across all industries generate organic waste that is often viewed as a disposal problem rather than a valuable resource. This course introduces the principles of the Circular Economy and demonstrates how organic waste can be transformed into business opportunities through resource recovery, cost reduction, and sustainable practices. Participants will explore practical approaches to converting waste into valuable products, improving operational efficiency, supporting ESG goals, and building more resilient and sustainable organizations through real-world examples and case studies.
LEARNING OUTCOME	Upon completion of this course, participants will be able to: 1. Explain the principles of the Circular Economy and the importance of transforming organic waste into valuable resources for sustainable business operations. 2. Identify sources of organic waste within their own organization and classify potential opportunities for resource recovery and value creation. 3. Analyse suitable circular economy strategies for reducing waste, lowering operational costs, and improving environmental and ESG performance. 4. Develop a simple action plan to introduce Circular Economy practices that improve resource efficiency and support business sustainability.
DURATION (days)	0.5 day (4 hours)
TARGET PARTICIPANTS (position/level)	• Business Owners • Directors • CEOs • General Managers • Operations Managers • Plant Managers • Sustainability / ESG Managers • Production Managers • Environmental Officers • Facility Managers

	• Government Agencies • Municipal Councils • NGOs • Anyone responsible for waste management or sustainability initiatives
COURSE CONTENT (with submodules)	Module 1: Understanding the Circular Economy 1.1 The Need for a Circular Economy • Global waste and resource challenges • From a linear economy to a circular economy 1.2 What is Organic Waste? • Types and sources of organic waste • Common misconceptions about waste 1.3 The Business Cost of Waste • Disposal and landfill costs • Environmental and operational impacts 1.4 Business Drivers for Circular Economy • ESG expectations • Regulatory trends • Customer and market demand 1.5 Circular Economy Success Stories • Local and international case studies • Lessons learned Module 2: Unlocking the Hidden Value of Organic Waste 2.1 Organic Waste as a Valuable Resource • Nutrients • Energy • Carbon • Biomass 2.2 Identifying Organic Waste Streams • Food processing • Agriculture • Hospitality • Manufacturing • Municipal and landscaping waste 2.3 Resource Recovery Opportunities • Reduce • Reuse • Recycle • Recover 2.4 From Waste to Business Value • Cost savings • Revenue opportunities

	• Resource efficiency 2.5 Waste Assessment Exercise • Identifying opportunities within participants' organizations Module 3: Practical Circular Economy Solutions 3.1 Composting and Biofertilizer • Returning nutrients to the soil 3.2 Biochar and Carbon Sequestration • Long-term soil improvement • Carbon storage opportunities 3.3 Biological Resource Recovery • Black Soldier Fly (BSF) • Vermicomposting • Microbial technologies 3.4 Renewable Energy from Organic Waste • Biogas • Biomass energy • Heat recovery 3.5 Selecting the Right Solution • Matching technologies to business needs • Economic and operational considerations Module 4: Implementing Circular Economy in Your Organization 4.1 Conducting a Waste Opportunity Assessment • Understanding current waste generation • Prioritizing improvement opportunities 4.2 Building a Circular Economy Roadmap • Setting goals • Identifying quick wins • Stakeholder engagement 4.3 Measuring Business Benefits • Cost reduction • Resource efficiency • ESG and sustainability indicators 4.4 Developing an Organizational Action Plan • Short-term and long-term initiatives • Continuous improvement 4.5 Group Discussion and Course Wrap-up • Action plan sharing • Key takeaways • Q&A
LEARNING	Learning Methodologies

METHODOLOGIES	1. Interactive Lecture 2. Multimedia Presentation 3. Group Discussion 4. Case Study 5. Brainstorming Session 6. Practical Examples 7. Q&A Session 8. Action Planning Exercise
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