



Value Engineering Agricultural Plan

Value Engineering techniques, which are founded on systematic problem-solving and cost-effective optimisation, have been utilised in industries such as manufacturing and construction. Nonetheless, the agricultural sector represents a prospective application area for these techniques. This sector relies heavily on machinery and equipment to meet the ever-increasing demands of global food production, and obstacles such as rising costs, resource scarcity, and environmental concerns require innovative approaches to optimise agricultural resource allocation and yield increase. This course investigates how value engineering methodologies, such as functional analysis, cost-benefit analysis, and value analysis, can be adapted and utilised effectively to improve the performance, efficacy, and sustainability of agricultural applications.

COURSE NAME	Value Engineering Agricultural Plan
START DATE	December 19, 2023
DURATION	6 Weeks
REGISTRATION	Open and free of charge
PREREQUISITES	This course requires basic knowledge on MS Office (Excel) or skills.

Who should attend this course

- Farmers attempting to increase yield
- Undergraduate and Graduate Students of Agriculture and Allied Sciences
- Faculty of Agriculture Universities
- Agriculture Scientists at ICAR
- Professionals at State and Central Departments of Agriculture
- KVK Specialists
- NGOs in Agriculture
- Progressive Farmers/Farming Community

Course content

- Introduction to Value Engineering
- Information and Function Phase
- Function Phase Continuation
- Creative and Evaluation Phase
- Development and Implementation Phase
- VE Case Studies

At the end of the course, a participant should know about

- Understand about product hierarchy and how to use them.
- Identify system boundaries and primary interfaces in a FAST diagram.
- How sustainability can be used as a competitive advantage.
- How to identify, draft requirements from system users and key stakeholders.

Certificate

Will be given certificates based on their involvement and performance. Participation certificate and Competency certificate will be issued by Commonwealth of Learning (COL), Canada.

Instructors

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