

Program : <b>Diploma in Engineering and Technology / Commercial Practice / Management</b>	
Course Code : <b>4001</b>	Course Title: <b>Community Skills in Indian Knowledge System.</b>
Semester : <b>4</b>	Credits: <b>No Credit</b>
Course Category: <b>Common Course</b>	
Periods per week: <b>2 (L: 2 T: 0 P: 0)</b>	Periods per semester: <b>30</b>

### Course Objectives:

- To appreciate community skills practiced by artisans and rural community in the vicinity of the Institution.
- To translate traditional knowledge, process, tools, and implements to the basic technical knowledge acquired by the student.
- To develop enhancements in the methods and practices followed.
- To undertake socially relevant solutions in the areas of water and waste management, nonconventional energy harnessing, agriculture, and irrigation.

### Course Prerequisites:

Topic	Course code	Course name	Semester
Art, culture and traditions.		Social science	Secondary school.
Basic technical knowledge		Relevant to the program of study.	Till Semester 3

### Course Outcomes

On completion of the course, the student will be able to:

CO <sub>n</sub>	Description	Duration (Hours)	Cognitive Level
CO1	Identify knowledge, skills, and practices followed traditionally.	10	Applying
CO2	Explain process, methods and implements followed traditionally.	6	Applying

CO3	Identify improvements in process and tools to enhance productivity and living standards of the community.	10	Applying
CO4	Make use of socially relevant technologies in the field of water, waste, energy management for the community.	4	Applying

### CO-PO Mapping

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1					3		3
CO2					3		3
CO3					3		
CO4					3		3

3-Strongly mapped, 2-Moderately mapped, 1-Weakly mapped

### Course Outline

Module Outcomes	Description	Duration (Hours)	Cognitive Level
CO1	<b>Identify knowledge, skills, and practices followed traditionally.</b>		
I	Identify traditional skills practiced in the locality of the institution. Conduct visit to identify knowledge, skills, and practices followed traditionally.	10	Applying
CO2	<b>Explain process, methods and implements followed traditionally.</b>		
II	Prepare reports based on appropriate questionnaire and the report may include documentary evidence such as photographs. During presentation, appropriate videos of the process can also be included.	6	Applying

<b>CO3</b>	<b>Identify improvements in process and tools to enhance productivity and living standards of the community.</b>		
III	Identify improvements in process and tools to enhance productivity and living standards of the community. Prepare a bonafide report which shall contain the detailed case study, suggestions and recommendations.	10	Applying
<b>CO4</b>	<b>Make use of socially relevant technologies in the field of water, waste, energy management for the community.</b>		
IV	Practice, popularize or improve scientific methods of water, energy and water management and include details in the record with documentary evidence.	4	Applying

**Note: CIA as included in handbook**

**Text / Reference:**

<b>T/R</b>	<b>Book Title/Author</b>
T1	Nirmal Sengupta, Traditional Knowledge in Modern India, Springer.
R2	Kerala State Planning Board, Economic Review (Relevant Year).
R3	M Lalithambika, Techno-socio-economic survey on the living and working conditions of the traditional potter communities of Kerala, IRTC Publications.
R4	A Sreedhara Menon, Legacy of Kerala, DC Books.