I Year II Semester **L T P C**

Code: 17ID211 **0 0 3 2**

MECHANICAL WORKSHOP AND IT WORKSHOP

Engineering Workshop:

Course Objective: To impart hands-on practice on basic engineering trades and skills

Note: At least two exercises to be done from each trade

Trade

Carpentry:	1. T Lap Joint
	2. Cross Lap Joint
	3. Dovetail Joint
	4. Mortise and Tenon Joint
Fitting:	1. Vee fit
	2. Square fit
	3. Half Round fit
	4. Dovetail fit
Black Smithy:	1. Round rod to square
	2. S-Hook
	3. Round rod to flat ring
	4. Round rod to square headed bolt
House Wiring:	1. Parallel / Series connection of three bulbs
	2. Stair case wiring
	3. Florescent Lamp Fitting
	4. Measurement of Earth Resistance
Tin Smithy:	1. Taper Tray
	2. Square Box without lid
	3. Open Scoop
	4. Funnel

IT Workshop

OBJECTIVES:

1. Understand the basic components and peripherals of a computer.
2. To become familiar in configuring a system.
3. Learn the usage of productivity tools.
4. Get hands on experience in trouble shooting a system?

1. System Assembling, Disassembling and identification of Parts / Peripherals
2. Operating System Installation-Install Operating Systems like Windows, Linux along with necessary Device Drivers.
3. MS-Office / Open Office
a. Word - Formatting, Page Borders, Reviewing, Equations, symbols.
b. Spread Sheet - organize data, usage of formula, graphs, charts.
c. Power point - features of power point, guidelines for preparing an effective presentation.
d. Access- creation of database, validate data.
4. Trouble Shooting-Hardware trouble shooting, Software trouble shooting.

OUTCOMES:

- Common understanding of concepts, patterns of decentralization implementation
- Identified opportunities for coordinated policy responses, capacity building and implementation of best practices
- Identified instruments for improved decentralization to the local level
- Identified strategies for overcoming constraints to effective decentralization and sustainable management at different levels.

Text Books:
1. Computer Hardware, Installation, Interfacing, Troubleshooting and Maintenance, K.L. James, Eastern Economy Edition.
2. Microsoft Office 2007: Introductory Concepts and Techniques, Windows XP Edition by
3. Gary B. Shelly, Misty E. Vermaat and Thomas J. Cashman (2007, Paperback).3
4. The Complete Computer upgrade and repair book, 3/e, Cheryl A Schmidt, Dreamtech.
5. Comdex Information Technology course tool kit Vikas Gupta, WILEY Dreamtech.