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:
1. Common understanding of concepts, patterns of decentralization implementation
2. Identified opportunities for coordinated policy responses, capacity building and implementation of best practices
3. Identified instruments for improved decentralization to the local level
4. 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.