COURSE NAME : COMPUTER ENGINEERING GROUP

COURSE CODE : CO/CM/IF/CD

SEMESTER : SIXTH FOR CO/CM/IF AND SEVENTH FOR CD

SUBJECT TITLE : INDUSTRIAL PROJECTS

SUBJECT CODE : --

Teaching and Examination Scheme:

Teaching Scheme			Examination Scheme						
TH	TU	PR	PAPER HRS	TH	TEST	PR	OR	TW	TOTAL
--	--	06	--	--	--	--	50#	50@	100

Rationale:

In the field of Computer and Information Technology various technologies (hardware and Software) needs to be integrated and proper paradigms needs to be implemented to develop any kind of computer applications . Hence it becomes essential to get hands on experience for developing industrial applications. This subject is essential to understand the implementation of the system development process i.e. analyse, design, coding , debugging and testing . This will help the students to acquire skills and attitudes to work as programmer or Network administrator.

Furthermore the student will be able to find out various sources of technical information and develop self-study techniques to prepare a project and write a project report.

Objectives:

The students will be able to,

(1) Work in Groups, Plan the work, and Coordinate the work.

(2) Develop leadership qualities.

(3) Develop Innovative ideas.

(4) Practically implement the acquired knowledge.

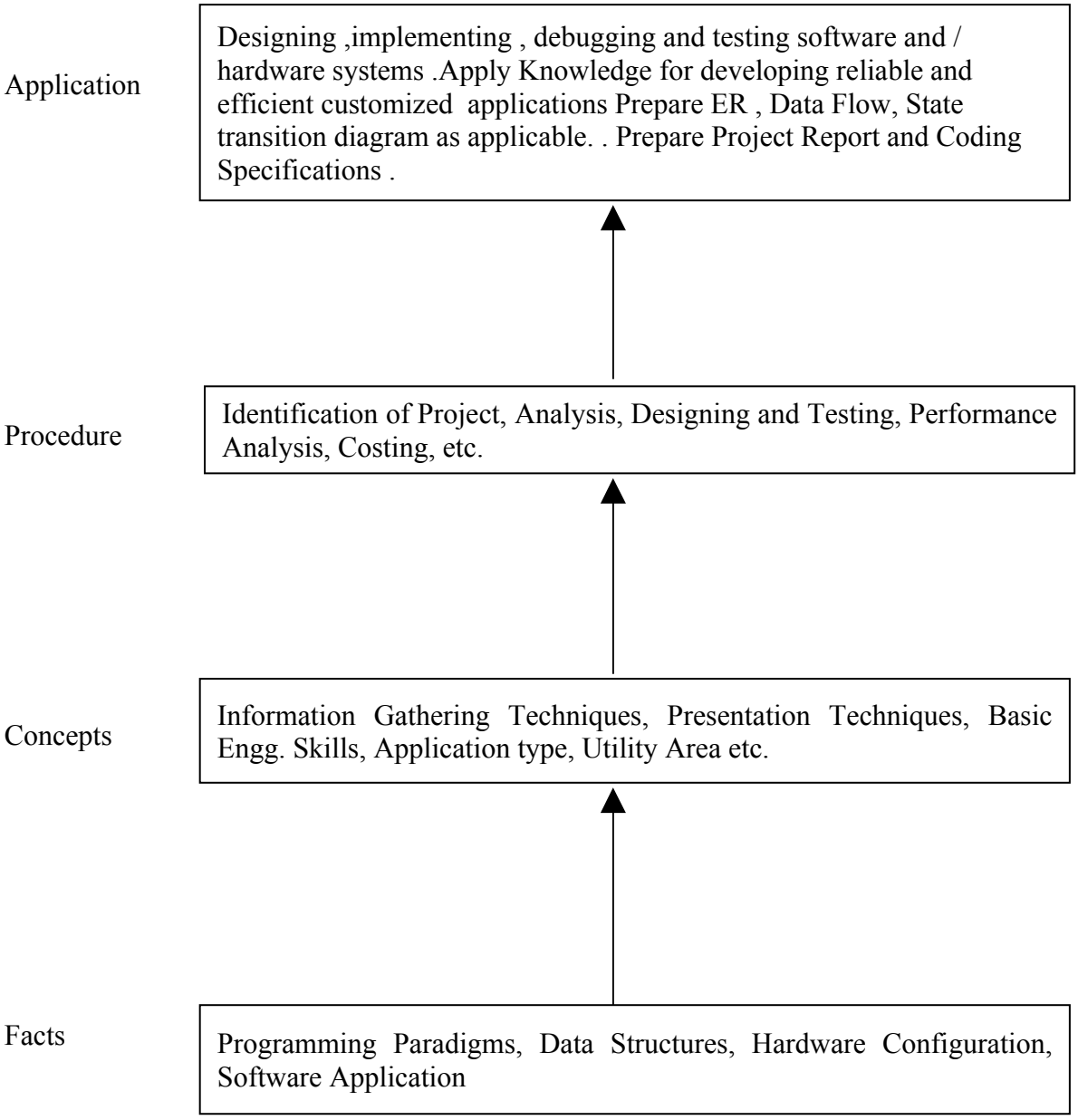
(5) Develop basic technical Skills by hands on experience.

(6) Write project report.

(7) Develop skills to use latest technology in Computer/Information Technology field.

(8) Analyse the different types of Case studies.

Learning Structure:



Contents:

Two hours should be allotted for giving the Instructions for preparing a Project Report (Refer Guideline Document for Format of Project Report)

Group	Projects
I Software Oriented Projects	(1) Develop Application Software for Hospital / Shopping Mall/Cinema Theatre/Commercial Complex/Educational Institute/Industrial Complex. (2) Develop Inhouse Systems. (3) Case Studies Related to Industries – Operation / Maintenance / Repair and Fault Finding. (Refer Guideline Document). (4) Develop Information Processing System. (5) Develop Web Based Applications using Web Technologies. (6) Develop Network monitoring system. (7) Develop systems for financial organisation. (8) Develop System Program based system like compilers, editors, spreadsheets, mini database systems.
II Hardware Oriented Projects	(1) Develop Intrusion Detection System. (2) Develop Speech Recognition System. (3) Develop Image Processing Systems. (4) Develop Expert Systems. (5) Develop Artificial Intelligence based Systems. (6) Develop various types of Interfacing Applications. (7) Develop device Controllers.
Seminar	Seminar on any relevant latest technical topic based on latest research, recent trends, new methods and developments in the field of Computer Engineering / Information Technology.

Note: (1) One Project from any one group.

(2) Seminar will be held under Professional Practices.

Learning Resources:

1. Magazines:

Sr. No.	Magazines
1.	IEEE Transactions/Journals
2.	Computer Today.
3.	PC Quest.
4.	Data Quest
5.	Any Journal Related to Computer/Information Technology/Electronics field.
6.	Computer World
7.	Chip
8.	IT World

2. Website:

Using any search engine, such as http://www.google.co.in/ the relevant information can be searched on the Internet.