

Course Name : Computer Engineering Group

Course Code : CO/CM/IF

Semester : Fourth

Subject Title : Professional Practices-IV

Subject Code : 12114

Teaching and Examination Scheme:

| Teaching Scheme | | | Examination Scheme | | | | | |
|-----------------|----|----|--------------------|----|----|----|-----|-------|
| TH | TU | PR | PAPER HRS. | TH | PR | OR | TW | TOTAL |
| -- | -- | 05 | -- | -- | -- | -- | 50@ | 50 |

Rationale:

Most of the diploma holders join industries. Due to globalization and competition in the industrial and service sectors the selection for the job is based on campus interviews or competitive tests.

While selecting candidates a normal practice adopted is to see general confidence, ability to communicate and attitude, in addition to basic technological concepts.

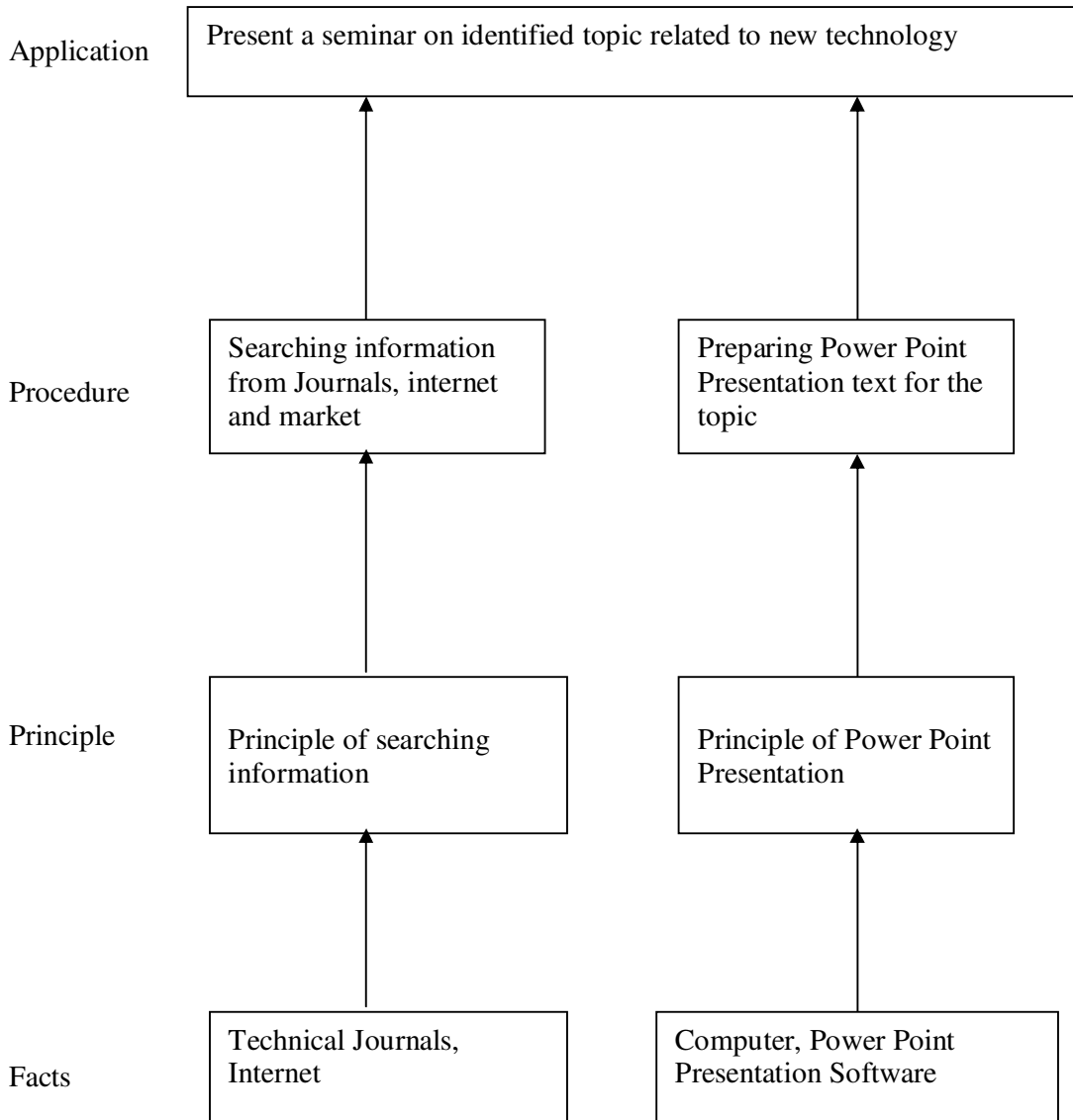
The purpose of introducing professional practices is to provide opportunity to students to undergo activities which will enable them to develop confidence. Industrial visits, expert lectures, seminars on technical topics and group discussion are planned in a semester so that there will be increased participation of students in learning process.

Objectives:

Student will be able to:

1. Acquire information from different sources.
2. Prepare notes for given topic.
3. Present given topic in a seminar.
4. Interact with peers to share thoughts.
5. Prepare a report on industrial visit, expert lecture.

Learning Structure:



| Activity | Content | Hours |
|--------------|---|-----------|
| 01 | Industrial Visits Structured industrial visits be arranged and report of the same should be submitted by the individual student, to form a part of the term work. The industrial visits may be arranged in the following areas / industries : 1) Telephone Exchange 2) District Level National Information Center(NIC) 3) Any other | 21 |
| 02 | Lectures by Professional / Industrial Expert to be organized from any of the following areas: i) Interview Techniques. ii) Cyber Laws iii) Nano Technology iv) Ethical Hacking v) Any other suitable topic | 14 |
| 03 | Information Search : Information search can be done through manufacturers, catalogue, internet, magazines; books etc. and submit a report. Following topics are suggested : i) Market survey of different processors. ii) Blue tooth Technology iii) Artificial Technology iv) Data ware-housing v) Cryptography vi) Digital signal processing vii) Bio-informatics viii) Any other suitable areas | 12 |
| 04 | Seminar : Each student shall submit a report of at least 10 pages and deliver a seminar (Presentation time – 10 minutes) Seminar topic i) Parallel Computing ii) Distributed Processing iii) Wireless communication iv) Virtual reality v) Embedded system vi) Computer security vii) Multimedia Techniques viii) Bio - Technology ix) Any other suitable topic | 17 |
| 05 | Mini Project / Activities : a) Web-site development b) Database related any topic c) System projects in VB like notepad, editors d) Animation projects using C, C++, VB etc e) Any other suitable topic | 16 |
| Total | | 80 |