

**Course Name** : Computer Engineering Group **Course Code:** CO/CM/IF

**Semester** : Fourth

**Subject Title** : Professional Practices-IV **Subject Code:**

**Teaching And Examination Scheme:**

Teaching Scheme			Examination Scheme						
TH	TU	PR	PAPER	TH	TEST	PR	OR	TW	TOTAL
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**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.

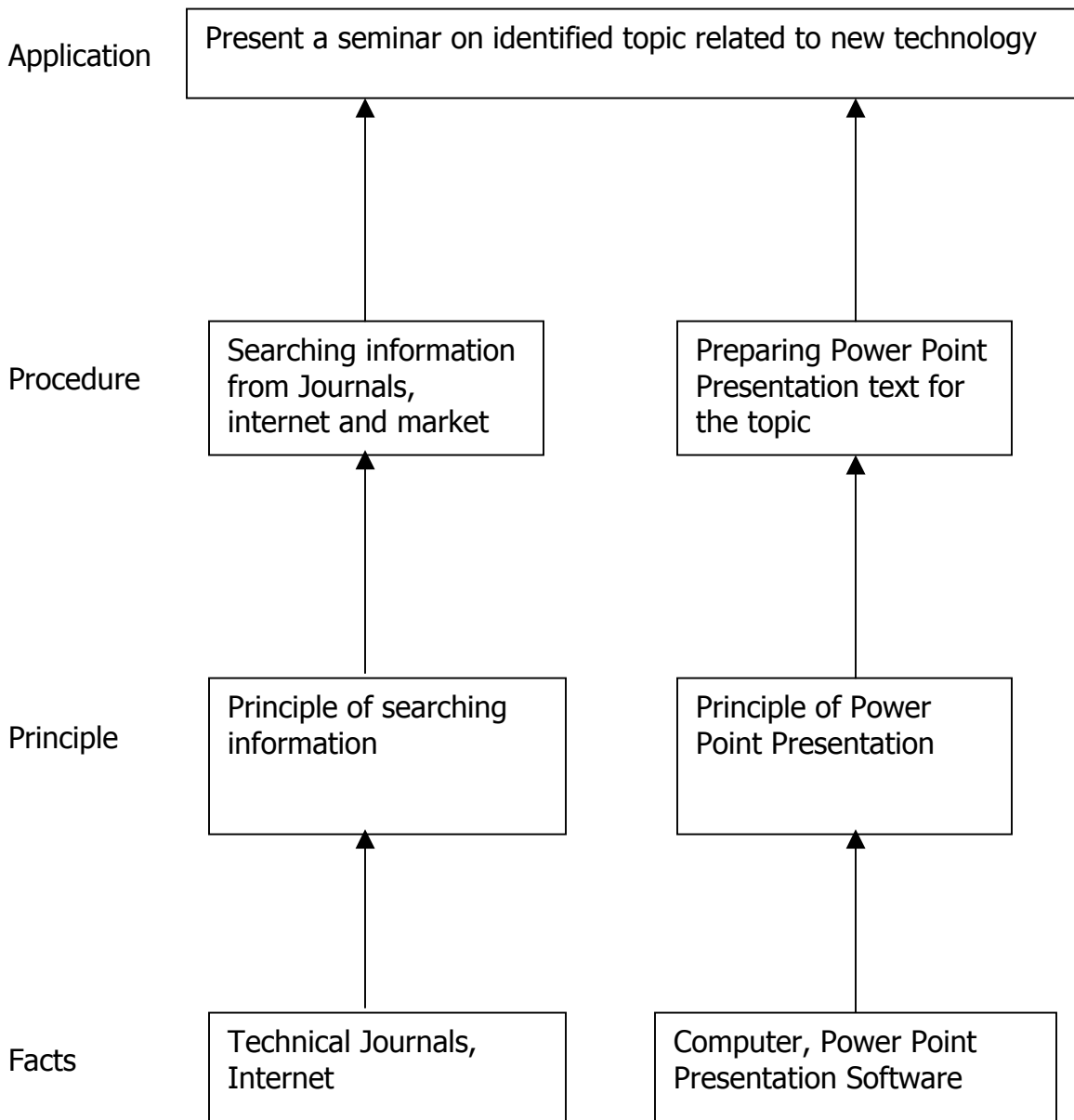
The purpose of introducing professional practices is to provide opportunity to students to undergo activities which will enable them to develop confidence. Industrial visits, expert lectures, seminars on technical topics and group discussion are planned in a semester so that there will be increased participation 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	<p><b>Industrial Visits</b>            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 :</p> <ol style="list-style-type: none"> <li>1) Telephone Exchange</li> <li>2) District Level National Information Center(NIC)</li> <li>3) Any other</li> </ol>	<b>21</b>
02	<p><b>Lectures by Professional / Industrial Expert to be organized from any of the following areas:</b></p> <ol style="list-style-type: none"> <li>i) Interview Techniques.</li> <li>ii) Cyber Laws</li> <li>iii) Nano Technology</li> <li>iv) Ethical Hacking</li> <li>v) Any other suitable topic</li> </ol>	<b>14</b>
03	<p><b>Information Search :</b>            Information search can be done through manufacturers, catalogue, internet, magazines; books etc. and submit a report.            Following topics are suggested :</p> <ol style="list-style-type: none"> <li>i) Market survey of different processors.</li> <li>ii) Blue tooth Technology</li> <li>iii) Artificial Technology</li> <li>iv) Data ware-housing</li> <li>v) Cryptography</li> <li>vi) Digital signal processing</li> <li>vii) Bio-informatics</li> <li>viii) Any other suitable areas</li> </ol>	<b>12</b>
04	<p><b>Seminar :</b>            Each student shall submit a report of at least 10 pages and deliver a seminar (Presentation time – 10 minutes)            Seminar topic</p> <ol style="list-style-type: none"> <li>i) Parallel Computing</li> <li>ii) Distributed Processing</li> <li>iii) Wireless communication</li> <li>iv) Virtual reality</li> </ol>	<b>17</b>

	<ul style="list-style-type: none"> <li>v) Embedded system</li> <li>vi) Computer security</li> <li>vii) Multimedia Techniques</li> <li>viii) Bio - Technology</li> <li>ix) Any other suitable topic</li> </ul>	
05	<p><b>Mini Project / Activities :</b></p> <ul style="list-style-type: none"> <li>a) Web-site development</li> <li>b) Database related any topic</li> <li>c) System projects in VB like notepad, editors</li> <li>d) Animation projects using C, C++, VB etc</li> <li>e) Any other suitable topic</li> </ul>	<b>16</b>
	Total	<b>80</b>