

**Course Name : Computer Engineering Group**

**Course Code : CO/CM/IF/CD**

**Semester : Third**

**Subject Title : Professional Practices-III**

**Subject Code : 12067**

**Teaching and Examination Scheme:**

Teaching Scheme			Examination Scheme					
TH	TU	PR	PAPER HRS	TH	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.

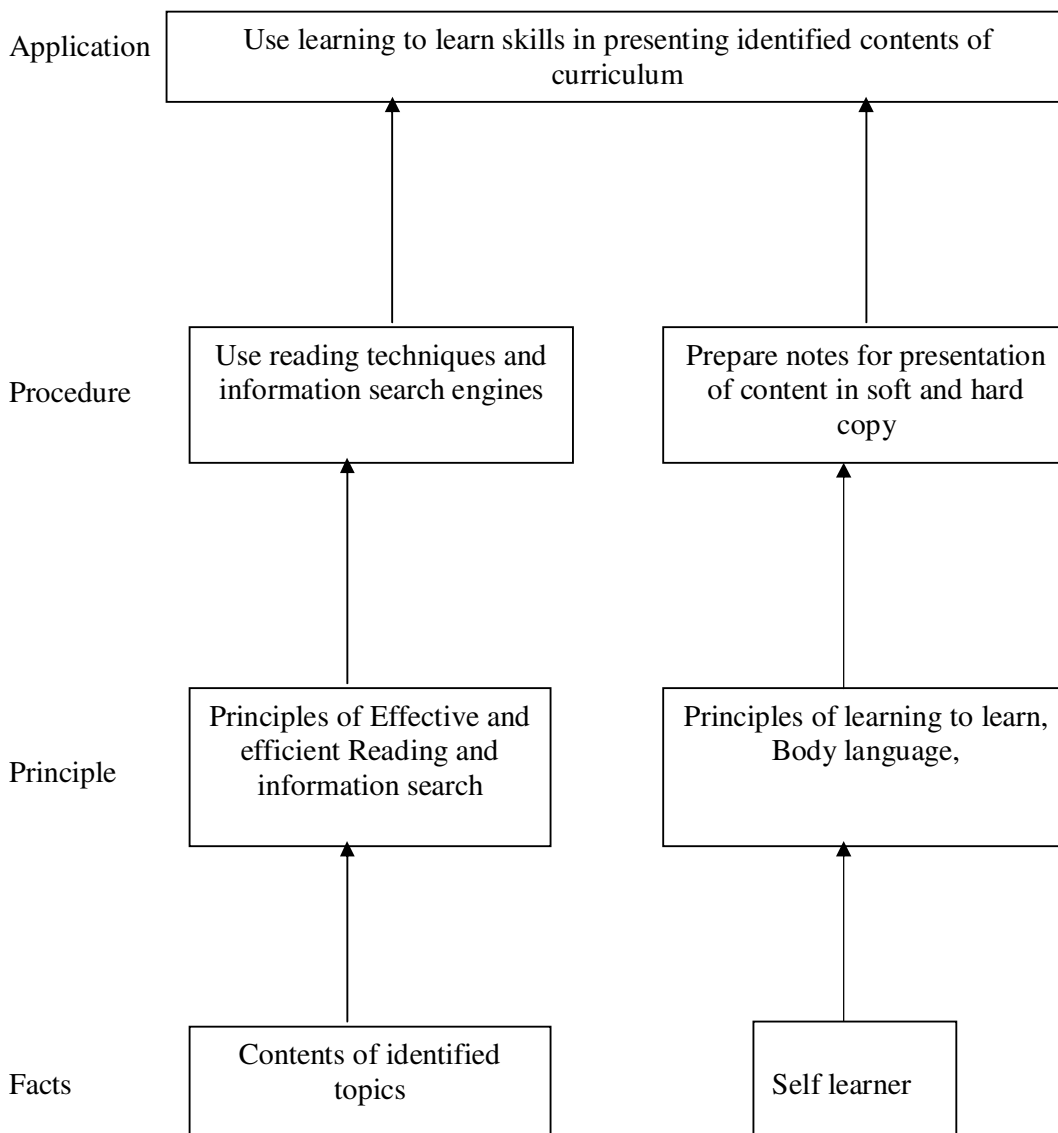
The purpose of introducing professional practices is to provide opportunity to students to undergo activities which will enable them to develop confidence. Industrial visits, expert lectures, seminars on technical topics and group discussion are planned in a semester so that there will be increased participation 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	Name of the Activity	Hours
01	<p><b>Information Search:</b> Collect information from internet/newspaper/periodicals/magazines etc. Students (Group of 4 to 5 students) have to search /collect information about the topic through. Students will have to submit a report of about 5 -10 pages.</p> <ol style="list-style-type: none"> <li>i) Advanced Techniques in RDBMS</li> <li>ii) Manufacturers and cost of Computer, Printers</li> <li>iii) Any other suitable topic</li> </ol>	12
02	<p><b>List of Mini Projects</b></p> <ol style="list-style-type: none"> <li>1) Implementing DOS commands using command line arguments e.g. copy ,type, copy con.</li> <li>2) Develop games using classes <ul style="list-style-type: none"> <li>• Piano game: On pressing the key many types of tunes will be produced.</li> </ul> </li> <li>3) Hotel reservation. – Using Structure &amp; arrays</li> <li>4) Library management – Using Structure &amp; arrays</li> <li>5) Student data management – Using Structure &amp; arrays</li> </ol>	20
03	<p><b>Lectures by Professional / Industrial Expert to be organized from of the following areas (any Two)</b></p> <ol style="list-style-type: none"> <li>i) .Net Technology</li> <li>ii) spoken English</li> <li>iii) Personality Development</li> <li>iv) Current trends in IT</li> <li>v) How to improve positive thinking</li> <li>vi) Any other suitable topic</li> </ol>	12
04	<p><b>Seminar :</b> Any one seminar on the topics suggested below: Students ( Group of 4 to 5 students) has to search /collect information about the topic through literature survey, visits and discussions with experts/concerned persons: Student will have to submit a report of about 5 -10 pages and deliver a seminar for 10 minutes.</p> <ol style="list-style-type: none"> <li>1. Importance of object oriented Concept in software development</li> <li>2. Comparison of different object oriented programming languages.</li> <li>3. Computer Virus</li> <li>4. Advanced computer peripherals <ul style="list-style-type: none"> <li>• Specifications</li> <li>• Working principles</li> <li>• Use</li> <li>• Cost</li> </ul> </li> <li>5. Read a book “I Can Win” by Shiv Khera and present major points</li> <li>6. Any other suitable topic</li> </ol>	18
05	<p><b>Market Survey:</b> A group of four students is expected to collect five advertises from news papers showing job opportunities for C++. Visit any one industry and find knowledge required of C++ in industry.</p>	18
<b>Total</b>		<b>80</b>