

**Course Name : Electronics Engineering Group**

**Course Code : ET/EJ/EN/EX/IE/IS/IC/DE/EV/MU/IU/ED/EI**

**Semester : Fourth**

**Subject Title : Professional Practices-II**

**Subject Code : 170**

**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:**

To develop the following skills:

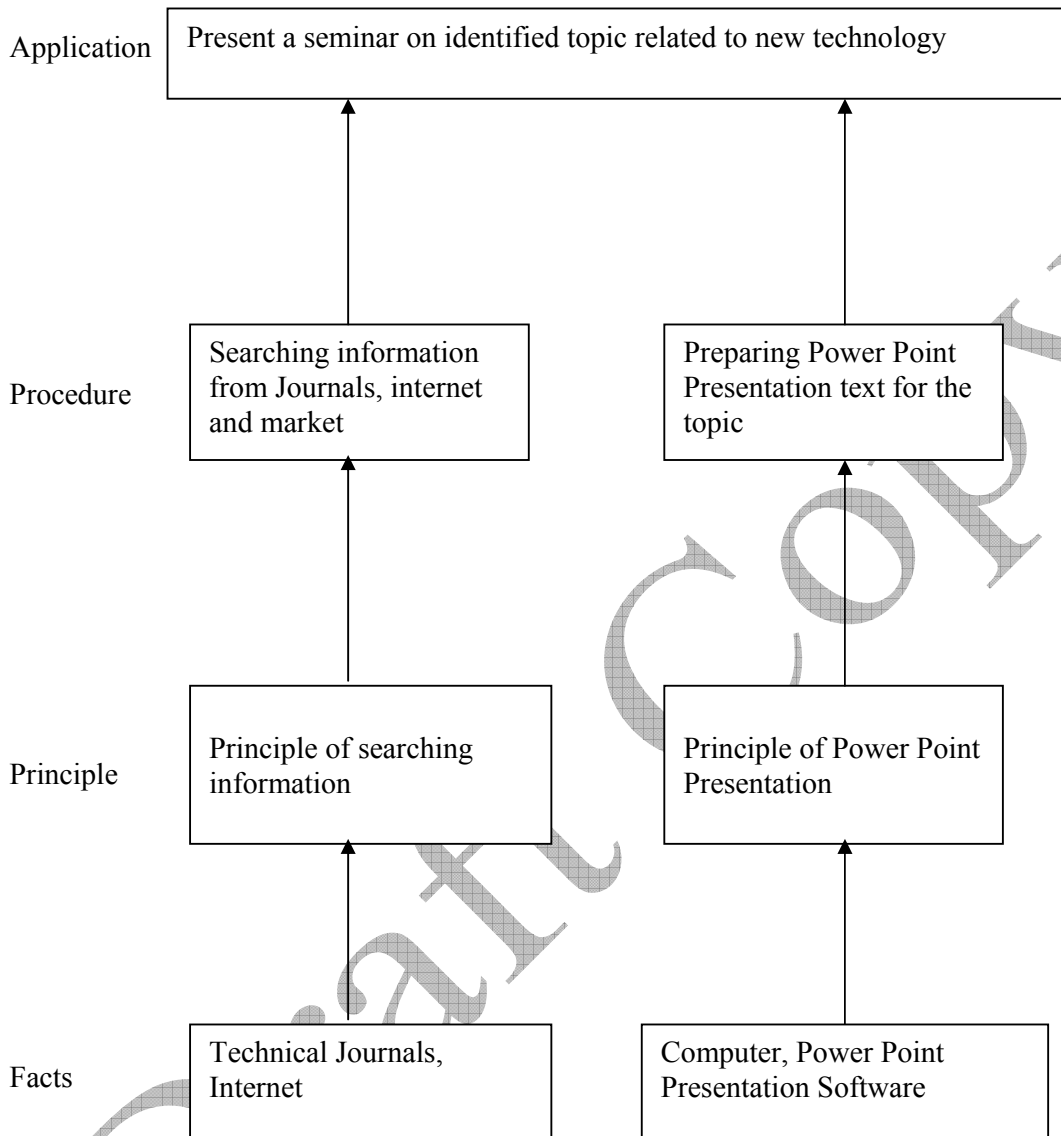
**Intellectual skills:**

- 1) Analyze information from different sources.
- 2) Prepare reports.

**Motor skills:**

- 1) Present given topic in a seminar.
- 2) Interact with peers to share thoughts.
- 3) Prepare a report on industrial visit, expert lecture.

**Learning Structure:**



**Contents:**

Activity	Content	Hours
1	<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. Minimum two industrial visits may be arranged in the following areas/ industries : i) Electronic equipment manufacturing unit ii) Resistance Welding unit iii) Industrial automation unit iv) Sugar mill, Paper mill, Cement Industry. v) Railway station control room. vi) Telephone Exchange. vii) Any other suitable Industry.	16
2	<b>Lectures by Professional / Industrial Expert to be organized from any of the following areas (Any three)</b> i) Cyber laws. ii) Fiber optics communication system iii) Disaster management iv) Atomic energy v) Industrial Safety vi) Computer security systems/Ethical hacking. vii) Any other suitable topic	08
3	<b>Information Search :</b> Information search can be done through manufacturers, catalogue, internet, magazines; books etc. and submit a report on one of the following topics: i) GPS ii) Market survey for motors used in electronic application iii) Electronic billing system. iv) Elevators installation and maintenance v) Any other suitable areas	06
4	<b>Seminar :</b> Seminar topic should be related to the subjects of fourth semester. Each student shall submit a report of at least 10 pages and deliver a seminar (Presentation time – 10 Minutes)	10
5	<b>Group Discussion:</b> The students should discuss in group of six to eight students and write a brief report on the same as a part of term work. The topic of group discussion may be selected by the faculty members.	08
<b>Total</b>		<b>48</b>