

Course Name : Electrical Engineering Group

Course Code : EE/EP

Semester : Fourth

Subject Title : Professional Practices- IV

Subject Code : --

Teaching and Examination Scheme:

Teaching Scheme			Examination Scheme						
TH	TU	PR	PAPER HRS	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.

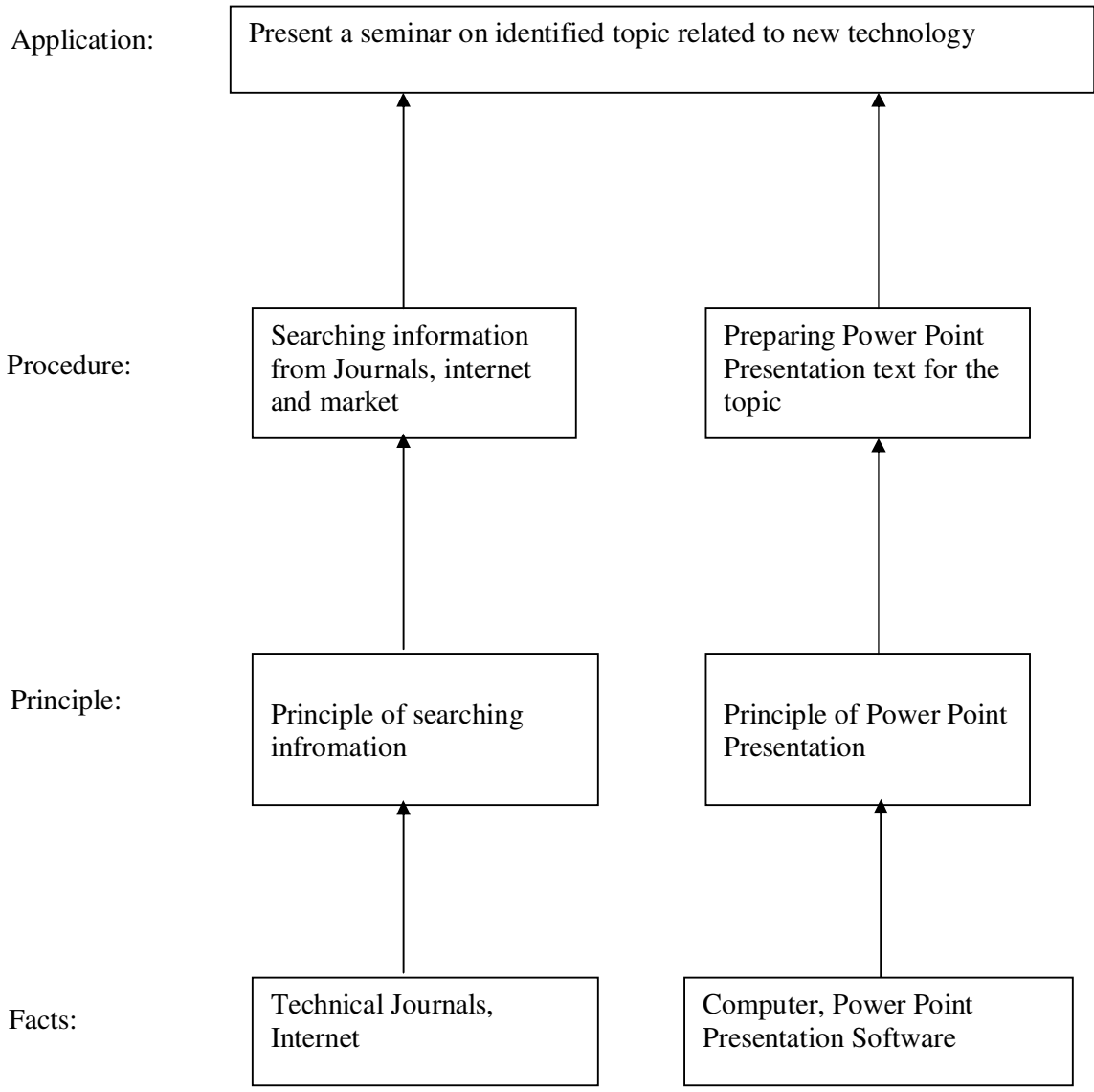
The purpose of introducing professional practices is to provide opportunity to students to undergo activities which will enable them to develop confidence. Industrial visits, expert lectures, seminars on technical topics and group discussion are planned in a semester so that there will be increased participation 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	Contents	Hours
01	<p>Industrial Visits Structured industrial visits be arranged and report of the same should be submitted by the individual student, as part of the term work. The industrial visits may be arranged in the following areas / industries :</p> <ul style="list-style-type: none"> i) Visit to HT Sub Station ii) Visit to Transformer Manufacturing Industry iii) Visit to Electronics Industry iv) Visit to Design Office of MSEB v) Visit to Industry to observe:- <ul style="list-style-type: none"> I)Function of DAS and Data logger II) Electrical quantities, non-electrical quantities by recorder. vi) Adarsh Gram 	20
02	<p>Lectures by Professional / Industrial Expert / Student Seminars based on information search, expert lectures to be organized from any of the following areas:</p> <ul style="list-style-type: none"> i) Interview Techniques. ii) Effect of Transmission and Distribution Losses on cost of Energy Generation iii) Recent Trends in Transformer Manufacturing iv) Electrical Safety in Industry v) Applications of D. C. Motors : Present and Future Trends vi) Any other suitable topic 	12
03	<p>Information Search : Information search can be done through manufacturers, catalogue, internet, magazines; books etc. and submit a report. Following topics are suggested :</p> <ul style="list-style-type: none"> i) Recent Trends in Insulation Material and Insulators ii) Electrical Wiring Accessories iii) Non Conventional Energy Sources with focus on solar energy iv) Elevators installation and maintenance v) Any other suitable areas 	10
04	<p>Seminar : 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)</p>	12
05	<p>Mini Projects: A group of 6to8 students be formed for group discussion; 1. Prepare a report on Electrification of multi storied building 2. Market Survey of Power Converters on the basis of Rating, Cost, Efficiency, Battery quality</p>	10
Total		64