

Course Name: Civil Engineering Group **Course Code:** CE/CS/CR/CV

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, attitude and ability to communicate and attitude, in addition to basic technological concepts.

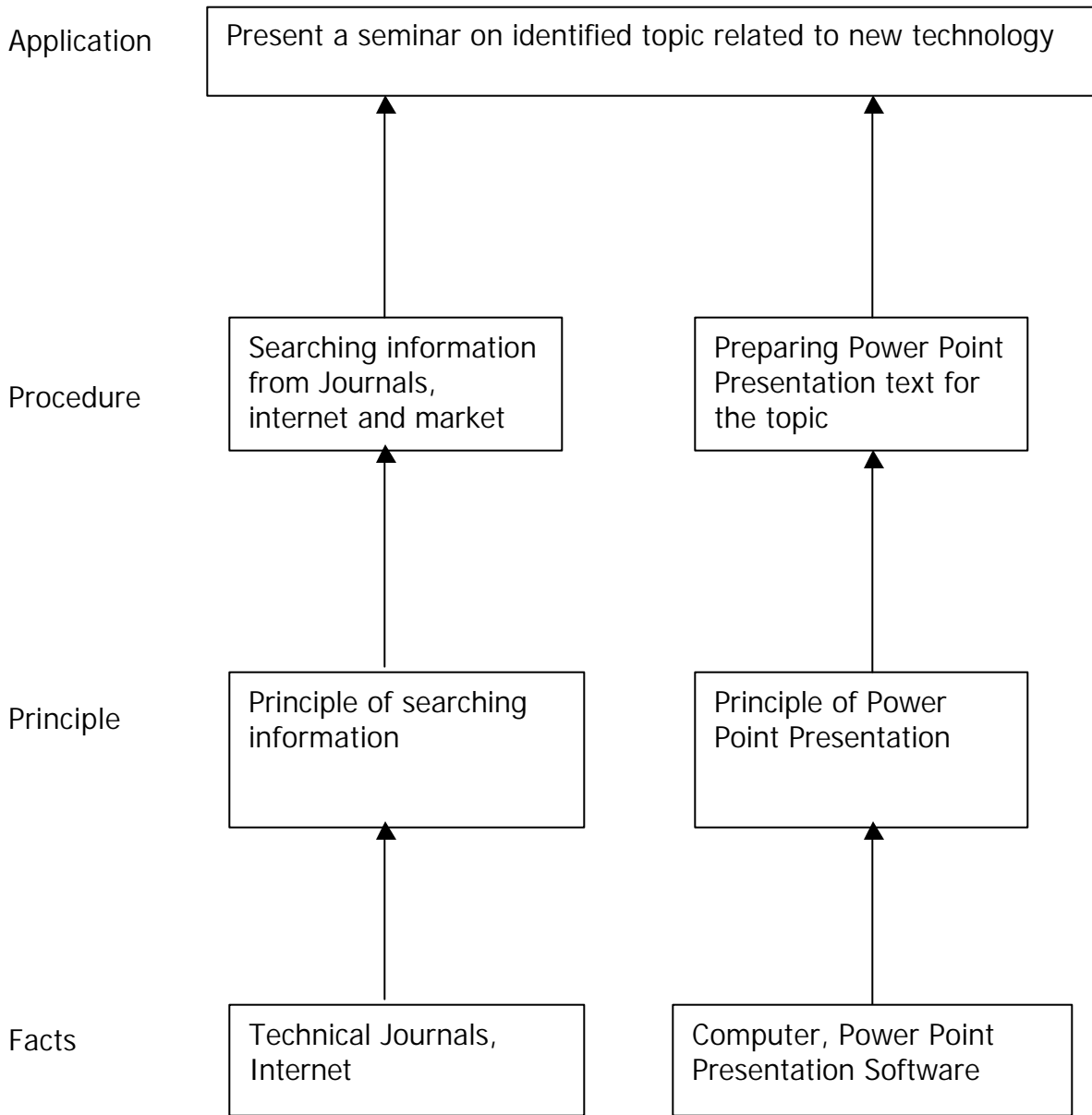
The purpose of introducing professional practices is to provide opportunity to students to undergo activities which will enable them to develop confidence. Industrial visits, expert lectures, seminars on technical topics and group discussion are planned in a semester so that there will be increased participation 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 No.	Content	Hours
1	<p>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.</p> <p>The industrial visits may be arranged in the following areas / industries (Any three)</p> <ul style="list-style-type: none"> i) Bridge under construction ii) Adarsh Gram iii) Railway station iv) Construction of basement/retaining wall/sump well 	20
2	<p>Lectures by Professional / Industrial Expert / Student Seminars based on information search, expert lectures to be organized from any two of the following areas:</p> <ul style="list-style-type: none"> i) Construction of Flyovers: Special Features ii) Ready Mix concrete iii) Safety in Construction iv) Latest Trends in Water proofing v) Software for drafting 	10
3	<p>Information search can be done through manufacturers, catalogue, internet, magazines; books etc. and submit a report.(any three)</p> <p>Following topics are suggested :</p> <ul style="list-style-type: none"> i) Collection and reading of drawings of buildings from architect / Practicing engineers and listing of various features from the drawings. ii) Market survey for pumps ,pipes and peripherals required for multi storied buildings iii) Non Conventional Energy Sources with focus on solar energy iv) Elevators installation and maintenance v) Any other suitable areas 	14
4	<p>Seminar :</p> <p>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>	16

5	Mini Project / Activities :(any one) a) Optimum design of concrete b) Preparing three dimensional model of residential building using CAD	20
	Total	80