


Government of Karnataka
Department of Technical Education
Board of Technical Examinations, Bangalore

	Course Title: PROFESSIONAL PRACTICES		
	Scheme (L:T:P) : 0:2:4	Total Contact Hours: 78	Course Code: 15FT56P
	Type of Course: Assignment Group talk and practice	Credit : 03	Core/ Elective: Core(practice)
CIE- 25 Marks		SEE- 50 Marks	

Prerequisites: Enthusiasm to Explore New things by taking individual tasks and acquires skills from participating in group activities.

Course Objectives:

Professional development of Diploma students is to be done by exposing them to various simulative situations in the industries. This is achieved by involving students in activities such as inviting experts from various industries for sharing their experiences, arranging industrial visits, seminars etc.

COURSE OUT COME

On successful completion of the course, the students will be able to:

Course Outcome		CL	Linked activity	Linked PO	Teaching Hrs
CO1	Search the information related to topic, and acquire knowledge of contemporary issues related to advancements in Apparel industry	Analysis	1	2-10	15
CO2	Exposure to various industry environment practice and global, societal, economic, and/or environmental issues, by listening experts talks and interact with them	Application/ analysis	2	2-10	15
CO3	Discuss & disseminate about advancements in related profession including societal, environmental	Innovative /Analysis	3	2-10	15
CO4	Develop individual confidence and acquire life skills to handle various assignments	Application	4	2-10	15
CO5	Enhancing the employability skills and to increase their ability to engage in, life-long learning, by undergoing industrial visits	Analysis /Creation	5	2-10	18
Total					78

COURSE-PO ATTAINMENT MATRIX

Course	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
PROFESSIONAL PRACTICES	0	3	3	3	3	3	3	3	3	3
<i>Level 3- Highly Addressed, Level 2-Moderately Addressed, Level 1-Low Addressed.</i> Method is to relate the level of PO with the number of hours devoted to the COs which address the given PO. If $\geq 40\%$ of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 3 If 25 to 40% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 2 If 5 to 25% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 1 If $< 5\%$ of classroom sessions addressing a particular PO, it is considered that PO is considered not-addressed.										

1. Information Search and Data collection:

15HRS

Information search can be done through manufacturer's catalogue, websites, magazines; books etc. *Following topics are suggested.*

1. Textiles in other fields – geo textiles
2. Medical textiles
3. Technical textiles
4. Computerized cutting system used in Apparel Industry
5. ISO Standards in Apparel Industry
6. Quality in Apparel Industry
7. Digitization of Patterns
8. Different repeat techniques – $\frac{1}{2}$ repeat, $\frac{1}{3}$ repeat, cross repeat, Brick repeat, Stripes, checks and plaids.
9. Quality Inspection.
10. Spec Sheet
11. Sales promotion
12. Visual Merchandising
13. Window Displays & interiors
14. Role of merchandiser in apparel industry
15. Modern Printing techniques on fabric
16. Eco friendly dyes
17. Classification of Garments & their uses.
18. Historical costumes
19. Theatre costumes
20. Indo western costumes
21. Effect of colours in Apparel design
22. Study of leather and leather garments
23. Study of Labour - labour problems, labour laws and labour welfare.
24. Shuttle & shuttle less looms
25. Types of Spinning
26. Haute Couture
27. Cost Estimation in Apparel industry
28. Fashion forecasting
29. Large & Small Scale industry
30. Sources of textile fibres

Method for conducting Graded activities

1. The student should individually select the topic, and search the information related to topic.
2. The report is strictly hand written document to have knowledge of precise writing and report making based on data collection
3. Carry out class room presentation.

2. Guest Lecturers: To be organized from any two of the following areas 15 HRS

Experts / Professionals from different field/industries are invited to deliver lectures at least TWO sessions in a semester. The topics may be selected by the teacher /industry expert to develop required skills.

Note: The ISTE student chapter/CCTEK/ Institute of engineers (Institute chapter)/ student clubs of polytechnic may be used as platform to conduct this activity.

1. Pollution control.
2. Fire Fighting / Safety Precautions and First aids.
3. Career opportunities,
4. Yoga Meditation,
5. Aids awareness and health awareness.
6. Computer aided designing.
7. Industrial hygiene.
8. Interview Techniques.
9. Nanotechnology
10. TQM

Method for conducting Guest lectures

1. The teacher/ISTE student chapter convener should fix up the date for guest lecture
2. The HOD of the department should chair the event
3. The students of class allowed to participate in the session
4. Watch the talk and make the brief hand written report on the guest lecture delivered by each student as a part of Term work.
5. Make Audio/visual record of the guest lecture by using any smart devices
6. Opportunity should be provided for students for live Interaction with experts and record it on any one smart device.

3. Group Discussion: (One topic) 15HRS

The students shall discuss in group of six students .Some of the suggested topics are

1. Polythene bags must be banned!
2. Do we really need smart cities?
3. E – Books or Printed books – what's your choice?
4. Is Face book for the attention – seeking and lazy people?
5. Globalization and its impact on Indian Culture.
6. Analytically evaluate the solutions to traffic problems
7. Global warming is caused more by developed countries
8. Rain forests help in maintaining the earth's ecosystem
9. Reservation for women would help the society
10. How to deal with terrorism
11. Water resources should be nationalized
12. Daughters are more caring than sons

13. NGOs - Do they serve people's interests?
14. Managers are born, not trained
15. Managerial skills learnt in the classroom
16. Women are good managers
17. India's growth rate is bridging gap between rich and poor.
18. Nuclear power is a safe source of energy
19. Electronic media vs. print media
20. Corruption is the price we pay for democracy
21. Multinational corporations: Are they devils in disguise?
22. Advertising is a waste of resources.
23. Privatization will lead to less corruption.
24. China market - a threat to Indian market
25. Technology Creates Income Disparities
26. India should be reorganized into smaller states.
27. Rising petrol prices - Govt. can control?
28. Smaller businesses and start-ups have more scope
29. Developing countries need trade, not aid.
30. Business and Ethics do not go together
31. Performance based bonuses for government employees should be welcomed
32. Depreciation of Indian Rupee has only negative impact on the economy
33. Gold: Best investment or a bursting bubble?
34. Freedom of press should exist
35. India needs a strong dictator
36. Media is a mixed blessing/How ethical is media?
37. Computer viruses are good
38. India should practice "Swadeshi"
39. The government should stop funding IIT's and IIM's
40. Will India really be the superpower of 21st century?
41. Quality is a myth in India.
42. China - A threat to India?
43. Indian villages - our strength or our weakness?
44. Mobile phones - requirement of the day.
45. Cursing the weather is bad farming
46. If you want peace, prepare for war
47. Education is a progressive way of discovering your ignorance.
48. Beauty contests degrade womanhood
49. If you are not a part of the solution, you are part of the problem
50. Examinations - has it killed education?
51. The medium of teaching in schools should be English
52. A room without books is like a body without soul.
53. Educated Indians lack national commitment.
54. E-Learning is good for the education system and society

Methodology for conducting Group discussion/Seminar

1. The teacher will allot a topic for a group of six students
2. The teacher should give an introductory talk on Ways and rules to carry out group discussion
3. The students should ask to show interest with others and work effectively with them to meet common objective. The teacher should provide tips to accept feedback in a constructive and considerate way and how to handle frustrations in group, while discussion.

4. The placement officer and any other senior faculty of the institute/ HOD of other department should be invited and they should act as observing members, apart from teacher
5. The teacher should fix up the time duration for initiating and conducting the activity
6. **Documentation to be produced for validation**
 - Hand written document on minutes of discussion, description of the topic discussed
 - Record the few minutes of discussion by smart device

4. Individual Assignments and Life skills

15HRS

The students will perform ANY ONE of the following activities individually (other similar activities may be considered) in both the sections

A. Individual assignments

1. Collecting latest data on finishing machines / equipment.
2. Study of Vegetable fabrics for any one like – bamboo fabrics, banana fabrics, Pine fabrics
3. Survey of latest fabric – specifications, properties, costs, manufacturers names etc.
4. Study of any one type of Knitting machine and prepare report on its functions.
5. Write a sequence of operations performed in apparel manufacturing unit. Draw a block diagram showing above operations
6. Survey of types of CAD software's used in apparel industry, and prepare a report on its features, applications and costs.
7. Prepare a pictorial chart depicting the problems that arises in any industrial sewing machine and suggest remedial measures to avoid problems.
8. Visit a Craft Emporium and prepare a report.
9. Draw a Single Needle Lock Stitch Machine and mention the parts.
10. Compare Handloom & Power loom on the basis of Applications and limitations

B. Life skills

1. Conduct aptitude, general knowledge test, IQ test, Solve Puzzles.
2. Set the goal for personal development.
3. Develop good habits to overcome stress.

Methodology for conducting activity

1. The teacher will assign a topic for individual student; give sufficient time to complete the task. Ask the student to submit an hand written report
2. The teacher should conduct any one specified life skill activity with local NGO/ placement cell/ISTE student chapter/CCTEK/ NSS unit of the institute. The student should present his/her experiences in a class and make report.

5. Industrial Visits

18HRS

Structured industrial visits be arranged and report of the same shall be submitted by the individual student, to form a part of the team work. Following are the suggested types of Industries/ Fields.

Note: One Industrial visit is arranged per practical batch of students.

1. Weaving Sector
2. Textile industry / garment manufacturing /embroidery / textile printing and dyeing units.
3. Spinning Mills
4. Cottage / Small Scale Industry
5. Knit wear industry

Methodology for conducting activity

1. The subject teacher(s) have liberty to select nearby organization/industry of local vicinity with prior approval of principal of the institute
2. Arrange the nearby visit and Prepare a word processing report of the visit including detail observations made, Details of visit should be mentioned with date , place etc

Course Delivery:

The course will be delivered through discussions and activities

Course Assessment and Evaluation Scheme:

	What		To whom	When/Where (Frequency in the course)	Max Marks	Evidence collected	Course outcomes
Direct Assessment meth	CIE	IA	Students	Each activities @5 marks each	25	Report	1,2,3,4,5
				End of the course	50	Answer scripts at BTE	1,2,3,4,5
Indirect Assessment	Student Feedback on course		Students	Middle of the course		Feedback forms	1,2,3 Delivery of course
	End of Course Survey			End of the course		Questionnaires	1,2,3, Effectiveness of Delivery of instructions & Assessment Methods

Note to IA verifier: The following documents to be verified by CIE verifier at the end of semester

1. Student activities report for 25 marks
2. Student feedback on course regarding Effectiveness of Delivery of instructions & Assessment Methods.

For end examination:

1. **Note for examiners :** The records of the activities should be preserved in the department for minimum three years and the examiner should verify these records to prevent duplication of the activity

Scheme of Valuation for End Examination

Serial no	Description	Marks
1	Report on Information Search and Data collection	10
2	Document on Guest Lecturer by experts	10
3	Recording of Group discussions made by any smart devices	10
4	Report on Individual assignment/ Life skill activity recorded	10
5	Report on Industrial visit	10
	TOTAL	50

MODEL OF RUBRICS /CRITERIA FOR ASSESSING STUDENT ACTIVITY

RUBRICS FOR ACTIVITY(5 Marks)						
Dimension	Needs improvement	Developing	Satisfactory	Good	Exemplary	Student Score
	1	2	3	4	5	
Collection of data	Does not collect any information relating to the topic	Collects very limited information; some relate to the topic	Collect much information; but very limited relate to the topic	Collects some basic information; most refer to the topic	Collects a great deal of information; all refer to the topic	Ex: 4
Fulfil team's roles & duties	Does not perform any duties assigned to the team role	Performs very little duties but unreliable.	Performs very little duties	Performs nearly all duties	Performs all duties of assigned team roles	5
Shares work equally	Always relies on others to do the work	Rarely does the assigned work; often needs reminding	Usually does the assigned work; rarely needs reminding	Normally does the assigned work	Always does the assigned work without having to be reminded.	3
Listen to other Team mates	Is always talking; never allows anyone else to speak	Usually does most of the talking; rarely allows others to speak	Talks good; but never show interest in listening others	Listens, but sometimes talk too much	Listens and speaks a fair amount	2
Average / Total marks=$(4+5+3+2)/4=14/4=3.5=4$						

Note: This is only an example. Appropriate rubrics/criteria may be devised by the concerned faculty (Course Coordinator) for assessing the given activity

MODEL QUESTION PAPER
Semester Diploma Examination
Course Title: **PROFESSIONAL PRACTICES**

Time: **3 Hours**]

[Max Marks: **50**

Sl.No	Questions	Marks
1	Write brief note on information searched and data collected activity	10
2	Give brief explanation about knowledge acquired by you during the guest lecture	10
3	Write the conclusion of the topic given for the group discussion	10
4	Write brief note on individual assignment performed and information gathered and data collected activity	10
5	Write the sequence of processing followed in the industry/work shop you have visited	10

Note: The marks should be awarded on the basis of Reports/Documents submitted by the student