1. SALIENT FEATURES OF THE CURRICULUM FOR DIPLOMA COURSE IN TEXTILE PROCESSING

1.	Name of the Programme	:	Diploma in Textile Processing
2.	Duration of the Programme	:	Three Years
3.	Entry Qualifications	:	10+ or as per AICTE/State Board of Technical Education, Haryana
4.	Intake	:	40 or as approved by SBTE, Haryana
5.	Pattern of the Programme	:	Semester System (Full Time) Each semester is of 16 weeks and each week has 40 hrs of teaching- learning process

6. Ratio between Theory and Practice: 30:70 (approx.)

7) Industrial Training:

Six weeks of industrial training is included after IV semester during summer vacation. Internal assessment out of 50 marks and external assessment out of another 50 marks will be added in 5th semester. Total marks allotted to industrial training will be 100.

Distribution of Marks:

- Daily diary and reports of training - 50 Marks
- Viva Voce (External) - 50 Marks

8) Ecology and Environment:

As per Govt. of India directives, a subject on Environmental Education has been incorporated in the scheme.

9) Student Centred Activities:

A provision of 5-6 hrs per week has been made for organizing Student Centred Activities for overall personality development of students. Such activities will comprise of co–curricular activities like extension lectures, library studies, games, hobby clubs e.g. photography, painting, singing, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, Civil Defence/ Disaster Management activities etc**.**

2. EMLOYMENT OPPORTUNITIES FOR DIPLOMA HOLDERS IN TEXTILE PROCESSING

Following employment opportunities are visualized for diploma holders in Textile Processing

a) Supervisor/ Incharge in Bleaching, Dyeing, Printing, Finishing departments in Textile Mills.

b) Technical Supervisor in Laboratory/Research and Development sections of textile chemical processing units.

c) Technical Supervisor in textile committees, textile corporations, small scale industry organisation, and handloom industry.

d) Technical Representatives of manufacturers for Dyestuffs/textile auxiliaries.

e) Technical Supervisor/Quality Incharge in textile process lab.

f) An entrepreneur of a textile processing unit/ dyestuffs industry.

g) Teaching in a technical institute

3. COMPETENCY PROFILE OF DIPLOMA HOLDERS IN TEXTILE PROCESSING

A diploma holder in textile processing should have following competencies:-

1. Knowledge and skills pertaining to fibre, yarn, dyes and chemicals: their characteristics, preparation, specifications and usage.

2. Knowledge and skills of various processing machines required for processing of textiles in bleaching; dyeing, printing and finishing sections and upkeep of machinery.

3. Competencies in textile designs and Knowledge of types, combinations, application and evaluation of colours.

4. Competency to undertake testing of fibre and yarn and fabrics and dyes understanding various quality control operation and ability to inspect finished goods.'

5. Competency to prepare material, equipment and manpower schedule for processing of textile in various sections

6. Understanding about basic principles of management, awareness regarding laws and Acts for labour safety and welfare.

7. Awareness of environmental pollution due to textile processing, procedure to control position and waste disposals and pollution Act.

8. Ability to tackle simple shop floor related problems in the field of textile processing.

9. Basic skills in reading drawing

10. Communication abilities to act, as a link between labour and management.

11. Knowledge of Applied Science subjects and other Engineering subjects which are useful for understanding subjects of textile processing.

12. Awareness regarding entrepreneurial support system.

4. DERIVING CURRICULUM AREAS FROM CURRICULUM OBJECTIVES

To achieve the curriculum objectives, instructions have to be provided in the following curriculum areas:

Sr. No.	Curriculum Objectives	• Curriculum Areas
1.	Development of knowledge and skills pertaining to fibres, yarn and fabric dyes and chemical: their characteristics, preparation, specifications and usage	• Textile fibers • Textile auxiliaries and chemicals • Basics of Textile Processes • Dyestuff chemistry
2.	Development of knowledge and skills of various processes and machines required for processing of textiles in bleaching, dyeing, printing and finishing sections and upkeep of machinery.	• Technology of bleaching • Technology of printing • Technology of dyeing • Technology of finishing.
3.	Development of competencies to undertake testing of fibre and yarn, and fabric dyes, understanding various quality control operation and ability to inspect finished goods	• Textile physical testing • Textile chemistry testing • Physical and organic chemistry
4.	Development of competencies to prepare material, equipment and manpower schedule for processing of textile in various sections.	• Process House Management
5.	Development of understanding about basic principles of management, awareness regarding laws and acts for labour safety and welfare.	• Basics of Management
6.	Awareness of environmental pollution due to textile processing, procedure to control position and waste disposals and pollution act.	• Textile Chemical Testing • Environmental Education
7.	Development of abilities to tackle simple shop floor related problems in the field of textile processing.	• Project work • Process Quality Control in Processing
8.	Development of basic skills in reading and interpreting drawings.	• Engineering Drawing
9.	Development of Communication abilities to act as a link between labour and management.	• Communication Skills • Employability Skills • Personality Development

10.	Knowledge of Applied Science subjects and other Engineering subjects which are useful for understanding subjects of textile processing.	• Applied Science • Applied Maths • Applied Chemistry • General Workshop Practice
11.	Development of competencies in textile designs and knowledge of types, combinations and applications of colours.	• Basics of Design and Colour • Basics of I.T. • Computer colour matching lab
12.	Development of awareness regarding entrepreneurial support system.	• Entrepreneurial Awareness

5. ABSTRACT OF CURRICULUM AREAS

Following is the abstract of curriculum areas:

a) General Studies

1. Communication Skills
2. Basics of IT
3. Entrepreneurial Awareness
4. Environmental Education
5. Employability Skills
6. Personality Development
7. Basics of Management

b) Applied Sciences

8. Applied Mathematics
9. Applied Physics
10. Applied Chemistry

c) Engineering Sciences

11. Dyestuff Chemistry
12. Physical and Organic Chemistry
13. Engineering Drawing
14. General Workshop Practice

d) Applied Subjects

15. Introduction to textile processes.
16. Textile fibres
17. Introduction to wet processing
18. Technology of bleaching
19. Technology of dyeing
20. Technology of printing
21. Technology of finishing
22. Basics of design and colour
23. Textile physical testing
24. Textile chemical testing
25. Computer colour matching
26. Process house management
27. Garment processing
28. Process quality control in textile wet processing
29. Textile auxiliaries and chemicals
30. Major Project work

6. HORIZONTAL AND VERTICAL ORGANIZATION

Sr. No.	Subjects	Distribution in Hours in Various Semesters					
		I	II	III	IV	V	VI
1.	Communication Skills	5	5	-	-	-	-
2.	Applied Mathematics	5	5	-	-	-	-
3.	Applied Physics	6	-	-	-	-	-
4.	Textile Fibres	-	7	-	-	-	-
5.	Engineering Drawing	6	-	-	-	-	-
6.	General Workshop Practice	6	-	-	-	-	-
7.	Basics of Textile Processes	-	5	-	-	-	-
8.	Basics of I.T.	4	-	-	-	-	-
9.	Physical and Organic Chemistry	-	-	6	-	-	-
10.	Applied Chemistry	5	5	-	-	-	-
11.	Basics of Design and Colour	-	9		-	-	-
12.	Technology of Bleaching	-	-	6	6	-	-
13.	Technology of Dyeing		-	6	6	7	-
14.	Technology of Printing	-	-	7	6	7	-
15.	Dyestuff Chemistry	-	-	-	5	-	-
16.	Textile Physical Testing	-	-	7	-	-	-
17.	Computer Colour Matching	-	-	-	-	4	-
18.	Textile Chemical Testing	-	-	-	7		-
19.	Technology of Finishing	-	-	-	5	6	-
20.	Textile Auxillaries & Chemicals	-	-	3	-	-	-
21.	Process House Management	-	-	-	-	-	4
22.	Environmental Education	-	-	-	-	3	-
23.	Garment Processing	-	-	-	-	6	6
24.	Employability Skills	-	-	-	-	2	2
25.	Basics of Management	-	-	-	-	-	3
26.	Process Quality Control in Textile Wet Processing	-	-	-	-	-	4
27.	Industrial Training	-	-	-	-	-	-
28.	Major Project Work	-	-	-	-	-	16
29.	Student Centred Activities	3	4	5	5	5	5
	Total	**40**	**40**	**40**	**40**	**40**	**40**