

**SONA COLLEGE OF TECHNOLOGY**

**CURRICULUM FOR B.TECH. FASHION TECHNOLOGY PROGRAMME**

**Regulations 2019 (CBCS)**

<b>SEMESTER 1</b>							
<b>S. N o</b>	<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>Course group</b>
<b>THEORY COURSE</b>							
1	U19ENG101D	English for Engineers - I	2	0	0	2	HSMC
2	U19MAT102C	Calculus and Statistics	3	1	0	4	BSC
3	U19PHY103D	Engineering Physics - I	3	0	0	3	BSC
4	U19CHE104F	Chemistry for Textile Technologists - I	3	0	0	3	BSC
5	U19FTY107	Textile Science: Fibres and Yarns	3	0	0	3	PCC
<b>PRACTICAL COURSE</b>							
6	U19PCL108B	Physics and Chemistry Laboratory	0	0	2	1	BSC
7	U19FTL116	Fibre and Yarn Analytical Laboratory	0	0	2	1	PCC
8	U19CFTL117	Computer Basics for Fashion Technology Laboratory	0	0	2	1	PCC
9	U19GE101	Basic Aptitude - I	0	0	2	0	EEC
<b>Total Credit</b>						<b>18</b>	
<b>Optional Language</b>							
10	U19OLE1101	French Language I					
11	U19OLE1102	German Language I					
12	U19OLE1103	Japanese Language I	0	0	2	1	HSMC

<b><u>SEMESTER 2</u></b>							
<b>S. N o</b>	<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>Course group</b>
<b>THEORY COURSE</b>							
1	U19MAT202E	Probability and Statistical Quality Control	3	1	0	4	BSC
2	U19PHY203E	Engineering Physics - II	3	0	0	3	BSC
3	U19CHE204C	Chemistry for Textile Technologists - II	3	0	0	3	BSC
4	U19BEE206	Basics of Mechanical and Electrical Engineering	3	0	0	3	ESC
5	U19FT201	Woven Fabric Manufacture and Structure	3	0	0	3	PCC
6	U19EGR206B	Engineering Graphics for Fashion Designing	1	0	2	2	ESC
<b>PRACTICAL COURSE</b>							
7	U19ENL215	English for Engineers - II	0	0	2	1	HSMC
8	U19FT202	Woven Fabric Structure and Textile CAD Laboratory	0	0	2	1	PCC
9	U19GE201	Basic Aptitude - II	0	0	2	0	EEC
<b>Total Credit</b>						<b>20</b>	
<b>Optional Language</b>							
10	U19OLE1201	French Language II	0	0	2	1	HSMC
11	U19OLE1202	German Language II					
12	U19OLE1203	Japanese Language II					

<b><u>SEMESTER 3</u></b>							
<b>S.No</b>	<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>Course group</b>
<b>THEORY COURSE</b>							
1	U19MAT301E	Operations Research and Statistical Methods	3	1	0	4	BSC
2	U19FT301	Knitted Fabric Manufacture and Structure (lab integrated)	3	0	2	4	PCC
3	U19FT302	Chemical Processing of Textiles and Garments (Lab Integrated)	3	0	2	4	PCC
4	U19FT303	Fashion Art and Design	3	0	0	3	PCC
5	U19FT304	Pattern Making and Garment Construction – I	3	0	0	3	PCC
6	U19GE304	Mandatory Course : Constitution of India	2	0	0	0	MC
<b>PRACTICAL COURSE</b>							
7	U19FT305	Pattern Making and Garment Construction Laboratory - I	0	0	2	1	PCC
8	U19FT306	Digital Fashion Design Laboratory	0	0	4	2	PCC
9	U19ENG301	Communication Skills Laboratory	0	0	2	1	HSMC
10	U19GE301	Soft Skills and Aptitude - I	0	0	2	1	EEC
<b>Total credits</b>			<b>23</b>				

<b><u>SEMESTER 4</u></b>						
<b>S.No</b>	<b>COURSE TITLE</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>Course group</b>
<b>THEORY COURSE</b>						
1	Mandatory Course : Environmental and Climate Science	2	0	0	0	MC
2	Pattern Making and Garment Construction - II	3	0	0	3	PCC
3	Garment Production Machinery and Equipment (Lab Integrated)	3	0	2	4	PCC
4	Problem Solving using Python Programming (Lab Integrated)	3	0	2	4	ESC
5	Textile and Apparel Quality Evaluation	3	0	0	3	PCC
6	Textile Materials for Fashion Design	3	0	0	3	PCC
<b>PRACTICAL COURSE</b>						
6	Pattern Making and Garment Construction Laboratory – II	0	0	2	1	PCC
7	Textile and Apparel Quality Evaluation laboratory	0	0	2	1	PCC
8	Soft Skills and Aptitude – II	0	0	2	1	EEC
9	Innovation Practices	0	0	2	1	EEC
10	In-Plant Training	2 Weeks			1	EEC
<b>Total credits</b>					<b>22</b>	

<b>SEMESTER 5</b>						
<b>S.No</b>	<b>COURSE TITLE</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>Course group</b>
<b>THEORY COURSE</b>						
1	Apparel Manufacturing	3	0	0	3	PCC
2	Apparel Production Planning and Control	3	0	0	3	PCC
3	Apparel Merchandising (Lab Integrated)	3	0	2	4	PCC
4	Functional Garments	3	0	0	3	PCC
5	Professional Elective – I	3	0	0	3	PEC
6	Professional Elective – II	3	0	0	3	PEC
<b>PRACTICAL COURSE</b>						
7	Apparel Manufacturing Laboratory	0	0	2	1	PCC
8	Digital Pattern Development and Marker Planning Laboratory	0	0	2	1	PCC
9	Soft Skills and Aptitude – III	0	0	2	1	EEC
10	Innovation Practices	0	0	2	1	EEC
11	In-Plant Training	2 Weeks		1		EEC
<b>Total credits</b>		<b>24</b>				

SEMESTER 6						
S.No	COURSE TITLE	L	T	P	C	Course group
<b>THEORY COURSE</b>						
1	Clothing Size, Fit and Comfort	3	0	0	3	PCC
2	Fashion Visual Merchandising	3	0	0	3	PCC
3	Industrial Engineering in Garment Production	3	0	0	3	PCC
4	Professional Elective – III	3	0	0	3	PEC
5	Professional Elective – IV	3	0	0	3	PEC
6	Open Elective – I	3	0	0	3	OE
<b>PRACTICAL COURSE</b>						
7	3D Virtual Fit analysis Laboratory	0	0	2	1	PCC
8	Industrial Engineering in Garment Production Laboratory	0	0	2	1	PCC
9	Soft Skills and Aptitude – IV	0	0	2	1	EEC
10	Innovation Practices (Stitchathan)	0	0	2	1	EEC
<b>Total credits</b>					<b>22</b>	
<p><u>Note:</u> During vacation all students have to undergo a six week internship, which will be assessed during 7<sup>th</sup> semester.</p>						

<b><u>SEMESTER 7</u></b>						
<b>S.No</b>	<b>COURSE TITLE</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>Course Group</b>
<b>THEORY COURSE</b>						
1	Professional Ethics and Human Values	3	0	0	3	HSMC
2	Retail Management	3	0	0	3	HSMC
3	Professional Elective – V	3	0	0	3	PEC
4	Professional Elective – VI	3	0	0	3	PEC
5	Open Elective – II	3	0	0	3	OE
<b>PRACTICAL COURSE</b>						
6	Fashion Portfolio and Product Development Laboratory	0	0	4	2	PCC
7	Accessory Design and Embellishment Laboratory	0	0	2	1	PCC
8	Draping Technique	0	0	2	1	PCC
9	Internship	0	0	0	2	EEC
10	Innovation Practices	0	0	2	1	EEC
<b>Total credits</b>		<b>22</b>				

<b><u>SEMESTER 8</u></b>						
<b>S.No</b>	<b>COURSE TITLE</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>Course group</b>
<b>PRACTICAL COURSE</b>						
1.	Project Work	0	0	24	12	EEC
<b>Total credits</b>			<b>12</b>			



<b><u>PROFESSIONAL ELECTIVE LIST</u></b>						
<b><u>Elective wise list</u></b>						
<b>S.No</b>	<b>COURSE TITLE</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>Course Group</b>
<b><u>PROFESSIONAL ELECTIVE I</u></b>						
1	Fashion Evolution and Traditional Indian Textiles	3	0	0	3	PEC – DPD
2	Apparel Work Study	3	0	0	3	PEC - MO
3	Total Quality Management in Apparel Industry	3	0	0	3	PEC – MM
4	Principles of Management	3	0	0	3	PEC - HSMC
5	Digitalization in Fashion Industry	3	0	0	3	PEC – DC
<b><u>PROFESSIONAL ELECTIVE II</u></b>						
6.	Intimate Apparel	3	0	0	3	PEC – DPD
7.	ERP and MIS in Apparel Industry	3	0	0	3	PEC - MO
8.	Sourcing and Sampling	3	0	0	3	PEC – MM
9.	Fashion Advertising and Sales Promotion	3	0	0	3	PEC – RM
10.	Home Textiles	3	0	0	3	PEC – DC
<b><u>PROFESSIONAL ELECTIVE III</u></b>						
11.	Fashion Forecasting	3	0	0	3	PEC – DPD
12.	Value Engineering in the Apparel Industry	3	0	0	3	HSMC
13.	Apparel Logistics and Supply Chain Management	3	0	0	3	PEC – MM
14.	Fashion Brand Management	3	0	0	3	PEC – RM
15.	Wearable Technology	3	0	0	3	PEC – DC
<b><u>PROFESSIONAL ELECTIVE IV</u></b>						
16.	Design of Leather Wear and Accessories	3	0	0	3	PEC – DPD
17.	Advances in Garment Production	3	0	0	3	PEC - MO
18.	Apparel and Fashion Marketing	3	0	0	3	PEC – MM
19.	Fashion Retail Store Operations	3	0	0	3	PEC – RM
20.	Sustainability in Apparel Industry	3	0	0	3	PEC – DC
<b><u>PROFESSIONAL ELECTIVE V</u></b>						
21.	Fashion Photography	3	0	0	3	PEC – DPD
22.	Lean Manufacturing in Apparel Industry	3	0	0	3	PEC - MO
23.	Global Trade and export documentation	3	0	0	3	PEC – MM
24.	Luxury Brand Management	3	0	0	3	PEC – RM
25.	Leather Technology	3	0	0	3	PEC – DC
<b><u>PROFESSIONAL ELECTIVE VI</u></b>						
26.	Fashion styling	3	0	0	3	PEC – DPD
27.	Entrepreneurship Development and Management of Apparel Industry	3	0	0	3	PEC - MO
28.	Social Compliance in Apparel Industry	3	0	0	3	PEC – MM
29.	Digital Fashion Marketing	3	0	0	3	PEC – RM
30.	Industrial Safety and Human Resource Management	3	0	0	3	PEC – DC

<b><u>PROFESSIONAL ELECTIVE LIST</u></b>						
<b><u>Group wise list</u></b>						
<b>S.No</b>	<b>COURSE TITLE</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>Course Group</b>
<b><u>Design and Product Development</u></b>						
1.	Fashion Evolution and Traditional Indian textiles	3	0	0	3	PEC - DPD
2.	Intimate Apparel	3	0	0	3	PEC - DPD
3.	Fashion Forecasting	3	0	0	3	PEC - DPD
4.	Design of Leather Wear and Accessories	3	0	0	3	PEC - DPD
5.	Fashion Photography	3	0	0	3	PEC - DPD
6.	High Fashion Designing (Fashion styling)	3	0	0	3	PEC - DPD
<b><u>Manufacturing Operations</u></b>						
7.	Apparel Work Study	3	0	0	3	PEC - MO
8.	ERP And MIS in Apparel Industry	3	0	0	3	PEC - MO
9.	Value Engineering in the Apparel Industry	3	0	0	3	PEC - MO
10.	Advances in Garment Production	3	0	0	3	PEC - MO
11.	Lean Manufacturing in Apparel Industry	3	0	0	3	PEC - MO
12.	Entrepreneurship Development and Management of Apparel Industry	3	0	0	3	PEC - MO
<b><u>Merchandising and Marketing</u></b>						
13.	Total Quality Management in Apparel Industry	3	0	0	3	PEC - MM
14.	Sourcing and Sampling	3	0	0	3	PEC - MM
15.	Apparel Logistics and Supply Chain Management	3	0	0	3	PEC - MM
16.	Apparel and Fashion Marketing	3	0	0	3	PEC - MM
17.	Global Trade and Export Documentation	3	0	0	3	PEC - MM
18.	Social Compliance in Apparel Industry	3	0	0	3	PEC - MM
<b><u>Retail Management</u></b>						
19.	Principles of Management	3	0	0	3	PEC - HSMC
20.	Fashion Advertising and Sales Promotion	3	0	0	3	PEC - RM
21.	Fashion Brand Management	3	0	0	3	PEC - RM
22.	Fashion Retail Store Operations	3	0	0	3	PEC - RM
23.	Luxury Brand Management	3	0	0	3	PEC - RM
24.	Digital Fashion Marketing	3	0	0	3	PEC - RM
<b><u>Diversified Courses</u></b>						
25.	Digitalization in Fashion Industry	3	0	0	3	PEC - DC
26.	Home Textiles	3	0	0	3	PEC - DC
27.	Wearable Technology	3	0	0	3	PEC - DC
28.	Sustainability in Apparel Industry	3	0	0	3	PEC - DC
29.	Leather Technology	3	0	0	3	PEC - DC
30.	Industrial Safety and Human Resource Management	3	0	0	3	PEC - DC

<b><u>OPEN ELECTIVE LIST</u></b>						
<b>S.No</b>	<b>COURSE TITLE</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>Course Group</b>
1.	Textiles Fibres, Yarns, Fabrics and Garments	3	0	0	3	OE
2.	Fundamentals of Fashion Design	3	0	0	3	OE
3.	Fashion Sketching	2	1	0	3	OE
4.	Surface Ornamentation Techniques	2	1	0	3	OE
5.	Garment Manufacturing Technology	3	0	0	3	OE
6.	Garment Export Merchandising and Documentation	3	0	0	3	OE
7.	Fashion Business and Marketing	3	0	0	3	OE
8.	Interior Décor and Design	3	0	0	3	OE
9.	Home Finishing and Decoration	2	1	0	3	OE
10	Fashion Accessories	3	0	0	3	OE

**List of One Credit**  
**Courses Theory 15 hours and practical 30 hours**

1. Fashion, Trims and Accessories
2. Fashion sketching using Corel Draw
3. Fashion Trend Analysis
4. Different Styles of Salwar Kameez construction
5. Designer Blouse Making
6. Virtual Garmenting Lab
7. Skill Development on ERP Package
8. Skill Development on Apparel Production Planning Software Package
9. Operation Excellence
10. Compliance Auditing in Apparel Industry
11. Tech-pack Development and Interpretation
12. Seamless Garments
13. Application of 5S and kaizen concept in apparel industry
14. Application of 6 Sigma in Apparel Industry
15. Fashion Marketing Research and Trade
16. Latest Development in Sportswear
17. Project Management
18. Statistics for Garment Industry
19. Application of Excel in Apparel Operation Management
20. Intellectual Property Rights
21. Export Documentation
22. Interior Décor and Design
23. Procedure to Setup a Boutique
24. Hygiene and safety
25. Recycling and waste management
26. Case studies of problem solving in garment industry
27. Bridal make over

### Credit Split up

S.No	Semester	No of courses	No of credits
1.	Semester 1	9	18
2.	Semester 2	9	20
3.	Semester 3	10	23
4.	Semester 4	11	22
5.	Semester 5	11	24
6.	Semester 6	10	22
7.	Semester 7	10	22
8.	Semester 8	1	12
<b>Total</b>		<b>71</b>	<b>163</b>

No of courses									Total
	SEM 1	SEM 2	SEM 3	SEM 4	SEM 5	SEM 6	SEM 7	SEM 8	
<b>HS</b>	1	1	1		1		2		<b>6</b>
<b>BS</b>	4	3	1						<b>8</b>
<b>ES</b>	1	2		1					<b>4</b>
<b>PC</b>	2	2	6	6	5	5	3		<b>29</b>
<b>PE</b>					2	2	2		<b>6</b>
<b>OE</b>				0	0	1	1		<b>2</b>
<b>EE</b>	1	1	1	3	3	2	2	1	<b>14</b>
<b>MC</b>			1	1					<b>2</b>
<b>Total</b>	<b>9</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>11</b>	<b>10</b>	<b>10</b>	<b>1</b>	<b>71</b>

No. of credits									Total	Range of credit prescribed
	SEM 1	SEM 2	SEM 3	SEM 4	SEM 5	SEM 6	SEM 7	SEM 8		
<b>HS</b>	2	1	1		3		6		<b>13</b>	<b>11-12</b>
<b>BS</b>	11	10	4						<b>25</b>	<b>21-26</b>
<b>ES</b>	1	5		4	2				<b>12</b>	<b>18-20</b>
<b>PC</b>	4	4	17	15	12	11	4		<b>67</b>	<b>52-56</b>
<b>PE</b>					6	6	6		<b>18</b>	<b>18-24</b>
<b>OE</b>				0	0	3	3		<b>6</b>	<b>6-12</b>
<b>EE</b>	0	0	1	3	1	2	3	12	<b>22</b>	<b>12-15</b>
<b>MC</b>			0	0					<b>0</b>	<b>-</b>
<b>Total</b>	<b>18</b>	<b>20</b>	<b>23</b>	<b>22</b>	<b>24</b>	<b>22</b>	<b>22</b>	<b>12</b>	<b>163</b>	