

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
SCHEME OF SYLLABUS - 2017
III SEMESTER B.TECH. (TEXTILE TECHNOLOGY) / B.TECH. (SILK TECHNOLOGY)
(Common to Textile & Silk Tech. Courses)

Sl. No.	Sub. Code	Title	Teaching Dept.	Teaching Hours/ Week		Examination				Credits
				Theory	Practical	Duration	Theory/ Practical	IA Max Marks	Total Marks	
1.	17TX31	Textile Polymer Science	Textile / Silk	04	--	03	60	40	100	4
2.	17TX32	Textile Fibres	Textile / Silk	04	--	03	60	40	100	4
3.	17TX33	Spinning Technology - I	Textile / Silk	04	--	03	60	40	100	3
4.	17TX34	Fabric Manufacturing Technology - I	Textile / Silk	04	--	03	60	40	100	4
5.	17TX35	Chemical Processing of Textiles - I	Textile / Silk	04	--	03	60	40	100	4
6.	17TXL36	Spinning Technology Lab.-I	Textile / Silk	--	03	03	60	40	100	2
7.	17TXL37	Fabric Manufacturing Technology Lab - I	Textile / Silk	--	03	03	60	40	100	2
8.	17TXL38	Chemical Processing of Textiles- Lab - I	Textile / Silk	--	03	03	60	40	100	2
9.	17KL/CPH 39/49	Kannada/Constitution of India, Professional Ethics and Human Rights	Humanities	01	--	01	30	20	50	1
		TOTAL		20	09	24	480	320	800	26

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IV SEMESTER B.TECH. (TEXTILE TECHNOLOGY) / B.TECH. (SILK TECHNOLOGY)
(Common to Textile & Silk Tech. Courses)

Sl. No.	Sub. Code	Title	Teaching Dept.	Teaching Hours/ Week		Examination				Credits
				Theory	Practical	Duration	Theory/ Practical	IA Max Marks	Total Marks	
1.	17TX41	Textile Fibre Physics	Textile / Silk	04	--	03	60	40	100	4
2.	17TX42	Manufactured Fibre Technology	Textile / Silk	04	--	03	60	40	100	4
3.	17TX43	Spinning Technology -II	Textile / Silk	04	--	03	60	40	100	3
4.	17TX44	Fabric Manufacturing Technology-II	Textile / Silk	04	--	03	60	40	100	4
5.	17TX45	Chemical Processing of Textiles-II	Textile / Silk	04	--	03	60	40	100	4
6.	17TXL46	Spinning Technology Lab-II	Textile / Silk	-	03	03	60	40	100	2
7.	17TXL47	Fabric Manufacturing Technology Lab-II	Textile / Silk	--	03	03	60	40	100	2
8.	17TXL48	Chemical Processing of Textiles Lab - II	Textile / Silk	--	03	03	60	40	100	2
9.	17KL/CPH 39/49	Kannada/Constitution of India, Professional Ethics and Human Rights	Humanities	01	--	01	30	20	50	1
		TOTAL		20	09	24	480	320	800	26

B.Tech. (Textile Technology)
[Common to B.Tech (Textile/Silk Technology)]

V SEMESTER

Sl. No	Subject Code	Title	Teaching Hours / Week		Examination				Credits
			Theory	Practical	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	17TX51	Management and Entrepreneurship	04	--	03	60	40	100	4
2	17TX52	Spinning Technology-III	04	--	03	60	40	100	4
3	17TX53	Fabric Manufacturing Technology-III	04	--	03	60	40	100	4
4	17TX54	Chemical Processing of Textiles-III	04	--	03	60	40	100	4
5	17TX55X	Professional Elective	04	--	03	60	40	100	4
6	17TXL56	Spinning Technology Lab-III		1I+2P	03	60	40	100	2
7	17TXL57	Fabric Manufacturing Technology Lab-III		1I+2P	03	60	40	100	2
8	17TXL58	Chemical Processing of Textiles Lab-III		1I+2P	03	60	40	100	2
TOTAL			20	06	24	480	320	800	26

Professional Elective	
17TX551	Knitting Technology
17TX552	Textile Mechanics and Calculations
17TX553	Erection and Maintenance of Textile Machinery
17TX554	Nano Textiles

- 1. Core subject:** This is the course, which is to be compulsorily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study.
- 2. Professional Elective:** Elective relevant to chosen specialization/ branch

B.Tech. (Textile Technology)
[Common to B.Tech. (Textile/Silk Technology)]

VI SEMESTER

Sl. No	Subject Code	Title	Teaching Hours /Week		Examination				Credits
			Theor y	Practica l	Duratio n	Theory/ Practica l Marks	I.A. Mark s	Total Marks	
1	17TX61	Sericulture and Silk Technology	04	--	03	60	40	100	4
2	17TX62	Textile Testing - I	04	--	03	60	40	100	4
3	17TX63	Fashion Design and Garment Manufacture	04	--	03	60	40	100	4
4	17TX64	Fabric Structure and Design - I	04	--	03	60	40	100	4
5	17TX65X	Professional Elective	04	--	03	60	40	100	4
6	17TXL66	Textile Testing Lab - I	--	1I+2P	03	60	40	100	2
7	17TXL67	Fashion Design and Garment Manufacture Lab	--	1I+2P	03	60	40	100	2
8	17TXL68	Fabric Structure and Design Lab - I	--	1I+2P	03	60	40	100	2
TOTAL			20	6	24	480	320	480	320

Professional Elective

17TX651	Operations Research Techniques
17TX652	Environmental Management in Textile Industry
17TX653	Non-woven Technology
17TX654	Process Control in Weaving

- 1. Core subject:** This is the course, which is to be compulsorily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study.
- 2. Professional Elective:** Elective relevant to chosen specialization/ branch

B.Tech. (Silk Technology)

VII SEMESTER

Sl. No	Subject Code	Title	Teaching Hours /Week		Examination				Credits
			Theory	Practical	Duration	Theory/Practical Marks	I.A. Marks	Total Marks	
1	17ST71	Structure and Properties of Silk	04		03	60	40	100	4
2	17TX72	Textile Testing - II	04		03	60	40	100	4
3	17ST73	Silk Reeling Technology	04		03	60	40	100	4
4	17TX74X	Professional Elective-I	03		03	60	40	100	3
5	17TX/ST75 X	Professional Elective-II	03		03	60	40	100	3
6	17TXL76	Textile Testing Lab-II		1I+2P	03	60	40	100	2
7	17STL77	Silk Reeling Technology Lab		1I+2P	03	60	40	100	2
8	17TXP78	Project Phase - I + Seminar		-		-	100	100	2
TOTAL			18	6	21	420	380	800	24

Professional Elective-I		Professional Elective-II	
17TX741	Statistical Applications to Textiles	17TX751	Total Quality Management
17TX742	Financial Management	17TX752	Retail Management
17TX743	CAD/CAM in Textiles	17TX753	Industrial Engineering
17TX744	Smart Textiles	17ST754	Silk Apparel Marketing and Merchandising

- 1. Core subject:** This is the course, which is to be compulsorily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study.
- 2. Professional Elective:** Elective relevant to chosen specialization/ branch
- 3. Project Phase –I + Seminar:** Literature Survey, Problem Identification, objectives and Methodology. Submission of synopsis and seminar.

B.Tech. (Silk Technology)

VIII SEMESTER

Sl. No	Subject Code	Title	Teaching Hours /Week		Examination				Credit
			Theory	Practical	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	17TX81	Apparel Testing and Quality Control	4	-	3	60	40	100	4
2	17TX82	Technical Textiles	4	-	3	60	40	100	4
3	17TX/ST83X	Professional Elective	3	-	3	60	40	100	3
4	17TX84	Internship / Professional Practice	Industry Oriented		3	50	50	100	2
5	17TXP85	Project Work Phase -II	-	6	3	100	100	200	6
6	17TXS86	Seminar	-	4	-	-	100	100	1
TOTAL			11	10	15	330	370	700	20

Professional Elective	
17TX831	Fibre Reinforced Composites
17ST832	Non-mulberry Silks and Silk by-product Technology
17TX833	Clothing Culture and Communication
17TX834	Global Trade Practices

- 1. Core subject:** This is the course, which is to be compulsorily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study.
- 2. Professional Elective:** Elective relevant to chosen specialization/ branch
- 3. Internship / Professional Practice:** To be carried for a period of 4 weeks between the 6th and 7th semester vacation or 7th and 8th semester vacation period.