

BOS Minutes

R16

B.Tech - Textile



VIGNAN'S
Foundation for Science, Technology & Research
UNIVERSITY

(Established as per UGC Act of 1956)

DEPARTMENT OF CHEMICAL ENGINEERING

16.04.2016

MINUTES OF BOARD OF STUDIES MEETING

B. TECH- TEXTILE TECHNOLOGY

The following members were present for the Board of Studies (BOS) meeting held on 16th April 2016 at Office - Head of the department, Department of Chemical Engineering.

Agenda of the meeting:

1. To discuss and finalize structure and detailed syllabus for B.Tech- Textile Technology applicable from 2016-17 admitted batch.

Members present:

S.No	Name	Members	Signature
1.	Dr. M. Ramesh Naidu, Head, Department of Chemical Engineering,	Chairman, BOS	
2.	Dr. Shakeel Iqbal, Associate Professor & Centre Coordinator, Department of Fashion Technology, NIFT, Hyderabad.	Invited member	
3.	Prof. Dr. J. Hayavadana, Professor & HoD - Textile Technology, Osmania University College of Technology, Osmania University, Hyderabad	Invited member	
4.	Sri. Pradeep Pathak, Unit Head. NSL Textiles Ltd, Chandole	Invited member	
5.	Mr. M. Siva Jagadish Kumar, Assistant Professor.	Internal Member	
6.	Mr. Ch. Govardhana Rao, Assistant Professor	Internal Member	
7.	Mr. Vaseem Chavhan. Assistant Professor	Internal Member	
8.	Mr. B. Venkatesh Assistant Professor	Internal Member	



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Minutes of the BOS meeting

1. The chairman greeted all the BOS members.
2. The chairman emphasized broad objectives of the proposed changes in the course structure of B.Tech Textile Technology.
3. The chairmen also elucidated in detail the suggestions and remarks communicated from various stakeholders.
4. The members of the BOS painstakingly observed the proposals regarding B.Tech – Textile Technology in the light of suggestions made by experts and recommended a new course structure for B.Tech – Textile Technology program.

After the discussion it is resolved to:

1. Propose and approve course structure for all four years of B.Tech- Textile Technology(Appendex-I)..
2. Propose and approve detailed syllabus for the 4 years of B.Tech - Textile Technology is to effect from the academic year 2016-17. The proposed structure and syllabus is applicable for 2016 admitted batch onwards.
3. Ensured Choice Based Credit System (CBCS) is practiced in the curriculum.
4. Major restructuring has taken place in the Curriculum with theoretical courses amalgamated with laboratory sessions and skill components added to the courses.
5. Major reformation has taken place in the curriculum by offering new electives in areas such as yarn formation, fabric formation, Textile wet processing and knitting technology etc.
6. All the Courses in the Curriculum are designed to fall under either of the domains of employability or entrepreneurship or skill development (Annexure II)
7. In the B.Tech (TT) revised regulation (R16), the substantial changes are made in the content of all courses and hence the courses are considered as new courses (Annexure III).
8. The percentage of syllabus revision from R13 to R16 B.Tech -Textile Technology Program is 35%.
9. Feedbacks from wide array of stakeholders are carefully collected, analyzed and their suggestions are taken into account while designing the Curriculum.


Chairman- BoS



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APPENDIX – I

Course Structure

I Year I Semester

CourseTitle	L	T	P	C
Engineering Mathematics-I	3	1	2	5
Engineering Physics	3	-	-	3
Technical English Communication	3	-	2	4
Basics of Computers and Internet	3	-	2	4
Computer Programming	3	1	2	5
Basics of Engineering Products	3	-	2	4
English Proficiency and Communication Skills	-	-	2	1
Engineering Physics Laboratory	-	-	3	2
Total	18	2	15	28

I Year II Semester

CourseTitle	L	T	P	C
Engineering Mathematics-II	3	1	2	5
Engineering Chemistry	3	-	-	3
Engineering Graphics	1	-	3	3
Basics of Electrical and Electronics Engineering	3	-	2	4
Engineering Chemistry Laboratory	-	-	3	2
Environmental Science and Technology	2	-	-	2
Textile Fibres	3	-	2	4
Material Science Technology	3	1	-	4
Total	18	2	12	27



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II Year I Semester

CourseTitle	L	T	P	C
Probability and Statistics	3	1	-	4
Soft Skills Laboratory	-	-	2	1
Technology of Manufactured Fibres	3	-	-	3
Yarn Manufacturing	3	-	-	3
Fabric Manufacturing	3	-	-	3
Fashion, Art, Design and Accessories	3	-	-	3
Pattern Engineering	3	-	2	4
Fashion Illustration Laboratory	-	-	3	2
Accessories and Surface Ornamentation Laboratory	-	-	3	2
Employability and Life Skills Elective*	-	-	-	1-3
Total	18	1	8	25-27

II Year II Semester

CourseTitle	L	T	P	C
Professional Communications Laboratory	-	-	2	1
Garment Construction Techniques	3	-	2	4
Technology of Knits and Non-wovens	3	-	-	3
Fabric Structure and Design	3	-	2	4
Textile Wet Processing	3	-	3	5
Department Elective	-	-	-	3
Department/Open Elective	-	-	-	3-4
Employability and Life Skills Elective*	-	-	-	1-3
Total	12	-	9	24-27



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III Year I Semester

CourseTitle	L	T	P	C
Testing of Fibres and Yarns	3	-	2-	4
Apparel Production, Planning and Control	3	-	-	3
Garment Dyeing, Printing and Embroidery	3	-	3	5
Textile Mathematics	3	-	-	3
Department/OpenElective	-	-	-	3-4
DepartmentElective	-	-	-	3
Employabilityand LifeSkillsElective*	-	-	-	1-3
Total	12	-	5	22-25

III Year II Semester

CourseTitle	L	T	P	C
Professional Ethics	2	-	-	2
Garment Machinery	3	-	2	4
Testing of Fabrics and Garments	3	-	2	4
Apparel Merchandising	3	1	-	4
Textile and Fashion CAD Lab	-	-	3	2
DepartmentElective	-	-	-	3
Department/OpenElective	-	-	-	3-4
Employabilityand LifeSkillsElective*	-	-	-	1-3
Total	11	1	7	23-26



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IV Year I Semester

CourseTitle	L	T	P	C
Management Science	3	-	-	3
Clothing Comfort	3	-	-	3
Industrial Engineering for Textiles and Apparels	3	-	2	4
Apparel Costing and Export Documentation	3	-	-	4
Technical Textiles	3	-	-	4
Men, Women, Children Wear Construction Laboratory	-	-	3	2
Department Elective	-	-	-	3
Department/Open Elective	-	-	-	3-4
Employability and Life Skills Elective*	-	-	-	1-3
Total	15	3	2	24-27

IV Year II Semester

CourseTitle	L	T	P	C
Project work / Internship	-	-	30	15
Total	-	-	30	15

L = Lecture ; T = Tutorial ; P = Practical ; C = Credits

The courses that are highlighted denote implementation of 'Choice Based Credit System (CBCS)'



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R-16 Departmental Elective Courses

STREAM - 1: Yarn Manufacturing

CourseTitle	L	T	P	C
Practical Aspects in Blow Room and Carding	3	-	-	3
Practical Aspects in Drawing, Comber and Simplex	3	-	-	3
Practical Aspects in Yarn Manufacturing	3	-	-	3
Maintenance in Spinning	3	-	-	3

STREAM - 2: Woven Fabric Manufacturing

CourseTitle	L	T	P	C
Practical Aspects in Weaving Preparatory	3	-	-	3
Principles of Weaving	3	-	-	3
Shuttle Less Weaving	3	-	-	3
Mechanics of Weaving Machines	3	-	-	3

STREAM - 3: Knitting Technology

CourseTitle	L	T	P	C
Hand Knitting and Flat Knitting	3	-	-	3
Circular Knitting	3	-	-	3
Wrap Knitting	3	-	-	3
Advancement in Knitting Technology	3	-	-	3

STREAM - 4: Textile Wet Processing

CourseTitle	L	T	P	C
Dyes and Pigments	3	-	-	3
Dyeing and Printing Machinery	3	-	-	3
Eco-Friendly Wet Processing	3	-	-	3
Functional Finishes	3	-	-	3



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STREAM - 5: Individual Elective Courses

Course Title	L	T	P	C
Computer Applications in Textiles	3	-	-	3
Lean and Six Sigma in Textiles and Apparels	3	-	-	3
Physical Properties of Textile Fibres	3	-	-	3
Process Control and Quality Management in Textiles	3	-	-	3

Ramesh
Chairman-BoS



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Annexure II

List of courses that enable employability or entrepreneurship or skill development in the R-16 B.Tech – Textile Technology

S.No	Year	Course Name	Course Nature
1	1	Engineering Mathematics	Skill Development
2	1	Engineering Physics	Skill Development
3	1	Technical English Communication	Employability Course
4	1	Basics of Computers and Internet	Skill Development
5	1	Computer Programming	Skill Development
6	1	Basics of Engineering Products	Skill Development
7	1	English Proficiency and Communication Skills	Employability Course
8	1	Engineering Physics Laboratory	Skill Development
9	1	Engineering Mathematics-II	Skill Development
10	1	Engineering Chemistry	Skill Development
11	1	Engineering Graphics	Skill Development
12	1	Basics of Electrical and Electronics Engineering	Skill Development
13	1	Engineering Chemistry Laboratory	Skill Development
14	1	Environmental Science and Technology	Skill Development
15	1	Textile Fibres	Employability
16	1	Material Science and Technology	Skill Development
17	2	Probability and Statistics	Skill Development
18	2	Soft Skills Laboratory	Employability
19	2	Technology of Manufactured Fibres	Skill Development
20	2	Yarn Manufacturing	Skill Development
21	2	Fabric Manufacturing	Skill Development
22	2	Fashion, Art, Design and Accessories	Employability
23	2	Pattern Engineering	Skill Development
24	2	Fashion Illustration Laboratory	Skill Development
25	2	Accessories and Surface Ornmentation Laboratory	Skill Development
26	2	Professional Communication Laboratory	Employability
27	2	Garment Construction Techniques	Skill Development
28	2	Technology of Knits and Non-wovens	Skill Development
29	2	Fabric Structure and Design	Skill Development
30	2	Textile Wet Processing	Entrepreneurship
31	3	Testing of Fibres and Yarns	Skill Development
32	3	Apparel Production, Planning and Control	Skill Development
33	3	Garment Dyeing, Printing and Embroidery	Entrepreneurship



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34	3	Textile Mathematics	Skill Development
35	3	Professional Ethics	Employability
36	3	Garment Machinery	Entrepreneurship
37	3	Testing of Fabrics and Garments	Skill Development
38	3	Apparel Merchandising	Skill Development
39	3	Textile and Fashion CAD Lab	Skill Development
40	4	Management Science	Employability
41	4	Cloting Comfort	Skill Development
42	4	Industrial Engineering for Textiles and Apparels	Employability
43	4	Apparel Costing and Export Documentation	Employability
44	4	Technical Textiles	Skill Development
45	4	Men, Women, Children Wear Construction Laboratory	Skill Development
46	4	Project work / Internship	Employability
47	2	Practical Aspects in Blow Room and Carding	Employability
48	3	Practical Aspects in Drawing, Comber and Simplex	Employability
49	3	Practical Aspects in Yarn Manufacturing	Employability
50	4	Maintenance in Spinning	Employability
51	2	Practical Aspects in Weaving Preparatory	Employability
52	3	Principles of Weaving	Employability
53	3	Shuttle less Weaving	Employability
54	4	Mechanics of Weaving Machines	Employability
55	2	Hand Knitting and Flat Knitting	Employability
56	3	Circular Knitting	Employability
57	3	Warp Knitting	Employability
58	4	Advancement in Knitting Technology	Employability
59	2	Dyes and Pigment	Employability
60	3	Dyeing and Printing Machinery	Employability
61	3	Eco-Friendly Wet Processing	Employability
62	4	Functional Finishes	Employability
63	3	Computer Applications in Textiles	Employability
64	3	Lean and Six Sigma in Textiles&Apparels	Employability
65	3	Physical Properties of Textile Fibres	Employability
66	3	Process Control and Quality Management in Textiles	Employability

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APPENDIX - III

List of new courses in the R-16 B.Tech – Textile Technology

S.No	Course Name
1	Engineering Mathematics
2	Engineering Physics
3	Technical English Communication
4	Basics of Computers and Internet
5	Computer Programming
6	Basics of Engineering Products
7	English Proficiency and Communication Skills
8	Engineering Physics Laboratory
9	Engineering Mathematics-II
10	Engineering Chemistry
11	Engineering Graphics
12	Basics of Electrical and Electronics Engineering
13	Engineering Chemistry Laboratory
14	Environmental Science and Technology
15	Textile Fibres
16	Material Science and Technology
17	Probability and Statistics
18	Soft Skills Laboratory
19	Technology of Manufactured Fibres
20	Yarn Manufacturing
21	Fabric Manufacturing
22	Fashion, Art, Design and Accessories
23	Pattern Engineering
24	Fashion Illustration Laboratory
25	Accessories and Surface Ornamentation Laboratory
26	Professional Communication Laboratory
27	Garment Construction Techniques
28	Technology of Knits and Non-wovens
29	Fabric Structure and Design
30	Textile Wet Processing
31	Testing of Fibres and Yarns
32	Apparel Production, Planning and Control
33	Garment Dyeing, Printing and Embroidery
34	Textile Mathematics
35	Professional Ethics
36	Garment Machinery



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37	Testing of Fabrics and Garments
38	Apparel Merchandising
39	Textile and Fashion CAD Lab
40	Management Science
41	Clothing Comfort
42	Industrial Engineering for Textiles and Apparels
43	Apparel Costing and Export Documentation
44	Technical Textiles
45	Men, Women, Children Wear Construction Laboratory
46	Project work / Internship
47	Practical Aspects in Blow Room and Carding
48	Practical Aspects in Drawing, Comber and Simplex
49	Practical Aspects in Yarn Manufacturing
50	Maintenance in Spinning
51	Practical Aspects in Weaving Preparatory
52	Principles of Weaving
53	Shuttleless Weaving
54	Mechanics of Weaving Machines
55	Hand Knitting and Flat Knitting
56	Circular Knitting
57	Warp Knitting
58	Advancement in Knitting Technology
59	Dyes and Pigment
60	Dyeing and Printing Machinery
61	Eco-Friendly Wet Processing
62	Functional Finishes
63	Computer Applications in Textiles
64	Lean and Six Sigma in Textiles and Apparels
65	Physical Properties of Textile Fibres
66	Process Control and Quality Management in Textiles


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