

Date: 18.06.2022

Minutes of Board of Studies Meeting

Board of Studies (BoS) meeting of B.Tech., Textile Technology programme was conducted on 18.06.2022 in blended mode from 10.30 am to 1.00 pm.

Venue at: HoD Cabin, First floor, H Block, VFSTR and

Virtual Zoom meeting link:

https://us06web.zoom.us/j/7331480914?pwd=ZFVmU1VPMW1WTzlaMTZiV1IGOVVMUT09

Agenda of the BoS Meeting:

- 1. To Discuss and finalize the curriculum structure and detailed syllabus of B.Tech. Textile Technology Programme for the regulation of 2022.
- 2. To approve the R22 curriculum and syllabus of B.Tech. Textile Technology Programme and recommend to the Academic council.
- 3. Any other points with the permission of Chairperson.

The following members were present either thorough offline or online.

S. No.	Name and designation of the Member	Position	Signature
1.	Dr. M. Ramesh Naidu Head, Department of Chemical Engineering, V.F.S.T.R University, Vadlamudi, Guntur-522213, A.P.	Chairperson	panc
2.	Dr. D. Raja, Professor and Head, Department of Fashion Technology, Sona College of Technology, Salem T.N	External Member (Academic)	Online
3.	Dr. T. Saravana Kumar, Director –Operations, Development, Innotech LLP, Karur and Active Consultant.	External Member (Industry)	Online
4.	Dr. Kubera Sampath Kumar. S	Member nominee Dean (R&D)Internal	for

		Member
5.	Prof. Satyajit Mukherjee	Member nominee school dean
6.	Mr. M. Siva Jagadish Kumar	Member Secretary On State dilla
7.	Mr. Ch. Govardhana Rao	Internal Member
8.	Mr. R.Paranthaman	Internal Member
9.	Mr.P.Ramakrushna	Internal Member Remico

The following member have taken leave of absence:

1. Prof. Dr. J. Hayavadana, Head, OUCT, Osmania University.

Chairperson **Dr. M. Ramesh Naidu**, Professor and Head, Department of Chemical Engineering, VFSTR opened the meeting by welcoming and introducing the external members, invitees to the internal members. Chairperson presented about the *NEP 2020 Compliant Regulation - R22* which emphasis on creating *learning centric* (continuous learning and continuous assessment model), offering B.Tech. (B.Tech. with Honours/ Research Honours/ Minor/ Add-on Diploma, *Dual degree* (B.Tech. + M.Tech./MBA, or M.Tech. + Ph.D.)), providing multiple entry and multiple exits.

The following points were discussed in the BoS meeting:

- 1. Regulation R22.
- 2. Curriculum structure with credits, credits distribution.
- 3. 2 Modules instead of 5 units.
- 4. Assessment methods (Formative & Summative).
- 5. Grading Schemes.
- 6. Electives and streams/pools.
- 7. Minor / Honor courses.

The following resolutions made after the discussion:

- BoS Members approved the revised regulations, curriculum structure, syllabus of B.Tech., Textile Technology programme and it follows based on the NEP 2020. Curriculum structure is provided in Appendix-I.
- Major restructuring has taken place in the curriculum which is oriented towards continuous learning and assessment based on Module structure.
- 3. Major reformation has taken place in the curriculum by offering Honors/Specialization degree or Minor degree thorough additional courses with 20 more credits
- 4. The curriculum is encompassing the courses that enable employability or entrepreneurship or skill development, provided in Appendix- II.
- 5. The significant changes are made in the content of all courses and hence the courses are considered as new courses provided in Appendix- III.

- 6. Total average percentage of syllabus revised was 47.95% compared to previous curriculum.
- 7. BoS members suggest course related to sustainable products related to textile and chemical processing.
- 8. BoS members appraised for incorporating Maintenance of textile machineries course.

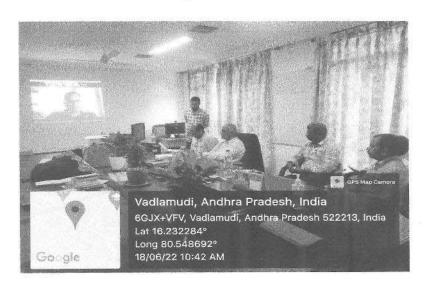
Based on the suggestions given by the members, the Chairperson of BoS told that, those fruitful suggestions would be incorporated appropriately in the curriculum and syllabi of the regulation R22 and this will be recommended to the Academic Council of VFSTR for the approval.

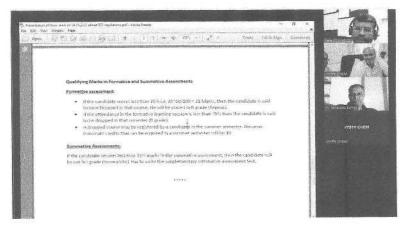
There being no further points for discussion, the Chairpersonthanks all the external, internal, invited members and announced that the meeting was adjourned.

Member Secretary

Pame8h Chairperson

* Photos of online meeting.







APPENDIX I

Textile Technology Programme : Curriculum Structure I Year I Semester

S.No.	Course Title	L	Т	P	C
1.	Linear algebra and ordinary differential equation	3	2	0	4
2.	Applied Chemistry	2	0	2	3
3.	Basic of Electrical & Electronics Engineering	2	0	2	3
4.	IT Workshop & Textile Engineering products	1	0	4	3
5.	Programming in C	2	0	4	4
6.	English Proficiency and Communication SKILLS::	0	0	2	1
7.	Physical Fitness, Sports & Games – I	0	0	3	1
8.	Constitution of India	0	2	0	1
	Total	10	4	17	20
	Total hrs & credit		31		20

I Year II Semester

S.No.	Course Title	L	T	P	C
1.	Partial differential equations and vector calculus	3	2	0	4
2.	Engineering Physics	2	0	2	3
3.	Engineering Graphics	2	0	2	3
4.	Basic coding competency	0	1	3	2
5.	Textile Fiberss	3	0	2	4
6.	Technical English Communication	2	0	2	3
7.	Physical Fitness, Sports and Games – II	0	0	3	1
8.	Orientation Session	0	0	6	3
V 11114	Total	12	3	20	23
	Total hrs & credit		35		23

II Year I Semester

S.No.	Course Title	L	T	P	C
1.	Probability & Statistics	3	2	0	4
2.	Data Structure	2	2	2	4
3.	Yarn manufacturing	2	2	0	3
4.	Fabric Manufacturing	3	0	2	4
5.	Testing of Fibers and Yarns	3	0	2	4
6.	Technology of preparatory and dyeing	3	0	2	4
7.	Life Skills I	0	0	2	1
8.	NCC/ NSS/ SAC/ E-cell/ Student Mentoring/ Social activities/ Publications.	0	0	0	1
	Total	16	6	10	25
	Total hrs & credit		32		25

II Year II Semester

S.No.	Course Title	L	T	P	C
1.	Advanced Coding Competency	0	0	2	1
2.	Professional Communication	0	0	2	1
3.	Environmental Studies	1	1	0	1
4.	Management Science	2	2	0	3
5.	Fabric Structure and Design	3	0	2	4
6.	Technology of Knits and Nonwovens	2	2	0	3
7.	Department Elective – 1	2	2	0	3
8.	Open Elective – I	2	2	0	3
9.	Life Skills II	-	-	2	1
	Total	12	9	8	20
10.	Minor / Honors — 1	3	-	2	4
	Total	15	9	10	
	Total hrs & credit		34		24

III Year I Semester

S.No.	Course Title	L	T	P	C
1.	Testing of Fabrics and Garment	3	0	2	4
2.	Technology of printing and finishing	3	0	2	4
3.	Technical Textiles	3	2	0	4
4.	Inter-Disciplinary Project	0	0	2	0
5.	Industry interface course	1	0	0	1
6.	Soft Skills Laboratory	0	0	2	1
7.	Department Elective – 2	2	2	0	3
8.	Open Elective – 2	2	2	0	3
9.	NCC/ NSS/ SAC/ E-cell/ Student Mentoring/ Social activities/ Publication.	0	0	0.	1
318	Total	14	6	8	21
10.	Minor / Honors – 2	3	0	2	4
	Total	17	6	10	
	Total hrs & credit		33		25

III Year II Semester

S.No.	Course Title	L	T	P	C
1.	Quantitative aptitude & Logical reasoning	1	2	0	2
2.	Apparel Production Technology	3	0	2	4
3.	Advanced Yarn & Fabric Formation	2	2	0	3
4.	Inter-Disciplinary Project	0	0	2	2
5.	Department Elective – 3	2	2	0	3
6.	Department Elective – 4	2	2	0	3
7.	Open Elective – 3	2	2	0	3
	Total	12	10	4	20
8.	Minor / Honors – 3	3	0	2	4
	Total	15	10	6	
	Total hrs & credit		31		24

IV Year I Semester

S.No.	Course Title	L	T	P	C
1.	Process Control in Textile manufacturing	3	2	0	4
2.	Industrial Engineering for Textiles and Apparels	3	2	0	4

3.	Department Elective – 5	2	2	0	3
4.	Department Elective – 6	2	2	0	3
5.	Department Elective – 7	2	2	0	3
6.	Department Elective – 8	2	2	0	3
i avenue de la company	Total	14	12	0	20
7.	Minor / Honors – 4	3	0	2	4
	Total	17	12	2	
44	Total hrs & credit		31		24

IV Year II Semester

S.No.	Course Title	L	Т	P	C
1.	Internship / Project Work	0	2#	22	12
	Total	0	2#	22	12
2.	Minor / Honors – 5 (for project)	0	2	6	4
	Total	0	4	28	16
	Total hrs & credit		32		16

for interaction between Guide and students.

Department Elective Courses

Pool for Department Elective 1

S.No.	Course Title	L	T	P	C
1.	Pattern making	2	2	0	3
2.	Garment Construction Techniques	2	2	0	3
3.	Characteristics of Textile Fibers	2	2	0	3

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

List of Streams of Department Elective Courses

$Stream-1\ Advances\ in\ Textile\ Manufacturing$

Basket Name	Course Title	L	T	P	С
Department Elective - 2	Technology of Manufactured fibers	2	2	0	3
Department Elective - 3	Advancement in Knitting Technology	2	2	0	3
Department Elective - 4	Technology of Non Wovens and Geo Textiles	2	2	0	3
Department Elective - 5	Maintenance of Textile Machinery	2	2	0	3
Department Elective - 6	Retailing and Branding of Apparel	2	2	0	3
Department Elective - 7	Total quality management in textile industries	2	2	0	3

Stream - 2 Fashion Technology

Basket Name	Course Title	L	Т	P	C
Department Elective - 2	Fashion theory	2	2	0	3
Department Elective - 3	Garment Production Machinery	2	2	0	3
Department Elective - 4	Costing of textile and apparel production	2	2	0	3
Department Elective - 5	Fashion Marketing and Visual Merchandising	2	2	0	3
Department Elective - 6	Statistics in Textile Industries	2	2	0	3
Department Elective - 7	Textile and Apparel EXIM Management	2	2	0	3

Stream - 3 Advanced Chemical Processing

Basket Name	Course Title	L	T	P	C
Department Elective- 2	Dyes and pigments	2	2	0	3
Department Elective - 3	Technology of dyeing and printing machines	2	2	0	3
Department Elective - 4	Advances in Textile Printing and Finishes	2	2	0	3
Department Elective - 5	Effluent Treatment and Pollution Control	2	2	0	3
Department Elective - 6	Eco-Friendly Wet Processing	2	2	0	3
Department Elective - 7	Sustainable practices: in Textile Industry	2	2	0	3

Pool for Department Elective 8

S.No.	Course Title	L	T	P	C
1.	High Performance Fibers	2	2	0	3
2.	Fundamentals of textile 4.0	2	2	0	3
3.	Textile Reinforced Composites	2	2	0	3
4.	Medical Textiles	2	2	0	3
5.	Protective Textiles	2	2	0	3
6.	Home Textiles	2	2	0	3

List of Honor /Specialization Courses

S.No.	Course Title	L	T	P	C
1.	Operations research for engineers	3	2	0	4
2.	Fashion product development		2	0	4
3.	Apparel Production Planning and Process Control	3	2	0	4
4.	Apparel Marketing and Merchandising	3	2	0	4
5.	Lean and Six Sigma for Textiles and Apparel	3	2	0	4



APPENDIX II

List of Courses that Enables Employability or Entrepreneurship or Skill Development

S. No.	Year and Semester	Course Title	Employability / Entrepreneurship Skill development
1.	I Year II Semester	Textile Fibers	Skill development
2.	II Year I Semester	Yarn manufacturing	Skill development
3.	II Year I Semester	Fabric Manufacturing	Skill development
4.	II Year I Semester	Testing of Fibers and Yarns	Skill development
5.	II Year I Semester	Technology of preparatory and dyeing	Employability
6.	II Year II Semester	Fabric Structure and Design	Employability
7.	II Year II Semester	Technology of Knits and Nonwovens	Skill development
8.	III Year I Semester	Testing of Fabrics and Garment	Skill development
9.	III Year I Semester	Technology of printing and finishing	Skill development
10.	III Year I Semester	Technical Textiles	Skill development
11.	III Year I Semester	Apparel Production Technology	Skill development
12.	III Year II Semester	Advanced Yarn & Fabric Formation	Skill development
13.	IV Year I Semester	Process Control in Textile manufacturing	Skill development
14.	IV Year I Semester	Industrial Engineering for Textiles and Apparels	Skill development
15.	II Year II Semester	Pattern making	Employability
16.	II Year II Semester	Garment Construction Techniques	Entrepreneurship
17.	II Year II Semester	Characteristics of Textile Fibres	Skill development
18.	II Year II Semester	Operations research for engineers	Skill development
19.	III Year I Semester	Technology of Manufactured fibers	Skill development
20.	III Year I Semester	Fashion theory	Skill development
21.	III Year I Semester	Dyes and pigments	Skill development

22.	III Year I Semester	Fashion product development	Employability
23.	III Year II Semester	Advancement in Knitting Technology	Skill development
24.	III Year II Semester	Garment Production Machinery	Employability
25.	III Year II Semester	Technology of dyeing and printing machines	Entrepreneurship
26.	III Year II Semester	Technology of Non-woven and Geo Textiles	Skill development
27.	III Year II Semester	Costing of textile and apparel production	Skill development
28.	III Year II Semester	Advances in Textile Printing and Finishes	Entrepreneurship
29.	III Year II Semester	Apparel Production Planning and Process Control	Entrepreneurship
30.	IV Year I Semester	Maintenance of Textile Machineries	Skill development
31.	IV Year I Semester	Fashion Marketing and Visual Merchandising	Skill development
32.	IV Year I Semester	Effluent Treatment and Pollution Control	Entrepreneurship
33.	IV Year I Semester	Retailing and Branding of apparel	Skill development
34.	IV Year I Semester	Statistics in Textile Industries	Skill development
35.	IV Year I Semester	Eco Friendly Wet processing	Entrepreneurship
36.	IV Year I Semester	Total quality management in textile industries	Skill development
37.	IV Year I Semester	Textile and Apparel EXIM Management	Entrepreneurship
38.	IV Year I Semester	Sustainable Practices in Textile Industry	Employability
39.	IV Year I Semester	High Performance Fibers	Skill development
40.	IV Year I Semester	Fundamentals of textile 4.0	Skill development
41.	IV Year I Semester	Textile Reinforced Composites	Skill development
42.	IV Year I Semester	Medical Textiles	Skill development
43.	IV Year I Semester	Protective Textiles	Skill development
44.	IV Year I Semester	Home Textiles	Skill development
45.	IV Year I Semester	Apparel Marketing and Merchandising	Employability
46.	IV Year II Semester	Lean and Six Sigma for Textiles and Apparel	Skill development

Chairperson



APPENDIX III

List of New Courses in the R22 Curriculum

S. No.	Year and Semester	Course Title	Employability / Entrepreneurship / Skill development
1.	I Year II Semester	Textile Fibers	Skill development
2.	II Year I Semester	Yarn manufacturing	Skill development
3.	II Year I Semester	Fabric Manufacturing	Skill development
4.	II Year I Semester	Testing of Fibers and Yarns	Skill development
5.	II Year I Semester	Technology of preparatory and dyeing	Employability
6.	II Year II Semester	Fabric Structure and Design	Employability
7.	II Year II Semester	Technology of Knits and Nonwovens	Skill development
8.	III Year I Semester	Testing of Fabrics and Garment	Skill development
9.	III Year I Semester	Technology of printing and finishing	Skill development
10.	III Year I Semester	Technical Textiles	Skill development
11.	III Year I Semester	Apparel Production Technology	Skill development
12.	III Year II Semester	Advanced Yarn & Fabric Formation	Skill development
13.	IV Year I Semester	Process Control in Textile manufacturing	Skill development
14.	IV Year I Semester	Industrial Engineering for Textiles and Apparels	Skill development
15.	II Year II Semester	Pattern making	Employability
16.	II Year II Semester	Garment Construction Techniques	Entrepreneurship
17.	II Year II Semester	Characteristics of Textile Fibres	Skill development
18.	II Year II Semester	Operations research for engineers	Skill development
19.	III Year I Semester	Technology of Manufactured fibers	Skill development
20.	III Year I Semester	Fashion theory	Skill development

21.	III Year I Semester	Dyes and pigments	Skill development
22.	III Year I Semester	Fashion product development	Employability
23.	III Year II Semester	Advancement in Knitting Technology	Skill development
24.	III Year II Semester	Garment Production Machinery	Employability
25.	III Year II Semester	Technology of dyeing and printing machines	Entrepreneurship
26.	III Year II Semester	Technology of Non-woven and Geo Textiles	Skill development
27.	III Year II Semester	Costing of textile and apparel production	Skill development
28.	III Year II Semester	Advances in Textile Printing and Finishes	Entrepreneurship
29.	III Year II Semester	Apparel Production Planning and Process Control	Entrepreneurship
30.	IV Year I Semester	Maintenance of Textile Machineries	Skill development
31.	IV Year I Semester	Fashion Marketing and Visual Merchandising	Skill development
32,	IV Year I Semester	Effluent Treatment and Pollution Control	Entrepreneurship
33.	IV Year I Semester	Retailing and Branding of apparel	Skill development
34.	IV Year I Semester	Statistics in Textile Industries	Skill development
35.	IV Year I Semester	Eco Friendly Wet processing	Entrepreneurship
36.	IV Year I Semester	Total quality management in textile industries	Skill development
37.	IV Year I Semester	Textile and Apparel EXIM Management	Entrepreneurship
38.	IV Year I Semester	Sustainable Practices in Textile Industry	Employability
39.	IV Year I Semester	High Performance Fibers	Skill development
40.	IV Year I Semester	Fundamentals of textile 4.0	Skill development
41.	IV Year I Semester	Textile Reinforced Composites	Skill development
42.	IV Year I Semester	Medical Textiles	Skill development
43.	IV Year I Semester	Protective Textiles	Skill development
44.	IV Year I Semester	Home Textiles	Skill development
45.	IV Year I Semester	Apparel Marketing and Merchandising	Employability
46.	IV Year II Semester	Lean and Six Sigma for Textiles and Apparel	Skill development

Chairperson