VIGNAN'S
FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH
(Deemed to be University) - Estd. u/s 3 of UGC Act 1956

DEPARTMENT OF TEXTILE TECHNOLOGY

CIRCULAR

Date: 05.06.2025

Department of Textile Technology is going to conduct Board of Studies (BoS) meeting for the B.Tech. Textile Technology and B.Tech Technical Textiles Programs on **14.06.2025** from 10.30 am in blended mode.

Venue at: VFF 11, First floor, H Block, VFSTR and

Virtual Zoom meeting link:
https://us06web.zoom.us/j/83896055701?pwd=Kje1ylteAzWnXHJBioU1YaykzbJUvj.1

All the members are requested to make it convenient to attend the meeting.
The members are

S.No.	Name of the Member	Designation	Role
1.	Dr. M. Ramakrishna	School Dean – School of Core Engineering and Dean – IQAC,	Chairperson
2.	Mr. Ch. Govardhana Rao,	Assistant Professor & Head, Department of Textile Technology	Invited member (School Dean nominee)
3.	Prof. Dr. J. Hayavadana	Head, OUCT, Osmania University	External Member (Academia)
4.	Dr. Prasanta Kumar Panda	Sr Scientist. Bombay Textile Research Association, Mumbai, 400086 Mobile: 8850274854	External Member (Industry)
5.	Dr. Syamal Maiti	Senior Process Technologist - Grasim Industries Limited-Pulp & Fibre, Surat, Gujarat, India.	Invited Member (Industry)
6.	Dr. T. Saravana Kumar,	Director – Operations, Development, Innotech LLP, Karur and Active consultant.	Invited Member (Industry)
7.	Dr.S. Kubera Sampath Kumar.	Associate Professor	Invited member (Dean R&D nominee)
8.	Mr. M. Siva Jagadish Kumar	Assistant Professor	Internal member
9.	Mr. R. Paranthaman	Assistant Professor	Member Secretary

Agenda of the BoS Meeting:

1. To Discuss and finalize the detailed syllabus structure and credits distribution of B.Tech., Technical Textiles Programme for the regulation 2025 (R25-C25).

2. To Discuss and finalize detailed syllabus structure of the elective courses list (Department/ Open/ Minor / Honour) and stream of B.Tech Technical Textiles Programme for the regulation R25-C25.
3. To Discuss about the SDG and IKS components in the syllabus.
4. To approve the R25-C25 curriculum, syllabus and assessment schemes of B.Tech., Technical Textiles Programme.
5. Any other points with the permission of Chairperson.

Member Secretary

Department of Textile Technology
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VADLAMUDI-522 213, A.P. INDIA

Chairperson

Dr. M. Ramakrishna
Dean, School of Core Engineering
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DEPARTMENT OF TEXTILE TECHNOLOGY

Date: 14.06.2025

Minutes of Board of Studies Meeting

Board of Studies (BoS) meeting of B.Tech., Textile Technology, and B.Tech Technical Textiles program was conducted on 14.06.2025 in blended mode from 10.30 am to 12.30 pm. The physical meeting has been held at H-Block, First Floor, (VFF-11).

The ZOOM online link for the meeting is
https://us06web.zoom.us/j/83896055701?pwd=Kje1yltqAzWnXHJBioU1YaykzbJUvj.1

Agenda of the BoS Meeting:

1. To Discuss and finalize the curriculum structure and credits distribution of B.Tech., Textile Technology, and B.Tech Technical Textiles Programmes for the regulation 2025 (R25-C25).
2. To Discuss and finalize the elective courses list (Department/ Open/ Minor / Honour) and stream of B.Tech., Textile Technology and B.Tech Technical Textiles Programmes for the regulation R25-C25.
3. To Discuss about the SDG and IKS components in the syllabus.
4. To approve the R25-C25 curriculum, syllabus and assessment schemes of B.Tech., Textile Technology, and B.Tech Technical Textiles Programmes and recommend to the Academic council.
5. Approval of new department elective courses for 2025-26 I Semester (IV Year) in Textile Technology, and Technical Textiles Programmes under the R22 regulation.
6. To approve the courses offering through NPTEL.
7. Any other points with the permission of Chairperson.

The following members were present either thorough offline or online.

Sl. No	Name and Designation of the member	Position	Signature
1.	Dr. M. Ramakrishna Professor and School Dean, VFSTR.	Chairperson	
2.	Dr. Ch. Govardhana Rao, HoD and Assistant Professor, VFSTR.	Invited member (School Dean nominee)	
3.	Prof. Dr. J. Hayavadana, Head, Department of Textile Technology, OUCT, Osmania University, Hydarbad.	External Member (Academia)	Attended in online mode
4.	Dr. Prasanta Kumar Panda Sr Scientist. Bombay Textile Research Association, Mumbai, 400086	External Member (Industry)	Attended in online mode
5.	Dr. Syamal Maiti Senior Process Technologist - Grasim Industries Limited-Pulp & Fibre, Surat, Gujarat, India.	Invited Member (Industry)	Attended in online mode

6.	Dr. T. Saravana Kumar, Director – Operations, Development, Innotech LLP, Karur, Tamil nadu and Active consultant.	Invited Member (Industry)	Attended in online mode
7.	Dr.S. Kubera Sampath Kumar Associate Professor VFSTR	Invited member (Dean R&D nominee)	
8.	Mr. M. Siva Jagadish Kumar Assistant Professor VFSTR	Internal member	
9.	Mr. R. Paranthaman Assistant Professor VFSTR	Secretary	

Chairperson Professor M. Ramakrishna, School Dean and Dr. Ch. Govardhana Rao, Head, department of Textile Technology, VFSTR initiated the meeting by welcoming and introducing the external members and invitees to the internal members. Chairperson presented about the *NEP 2020 Compliant Regulation - R25-C25* 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, providing lateral entry and honourable exit.

The following points were discussed in the BoS meeting:

1. Regulation R25-C25.
2. Curriculum structure with credits, credits distribution (L-T-P-SL).
3. Significance of self-learning (SL/TW)
4. 2 Modules, Module-1 is fundamental with 2 units and Module-2 is fundamental with 2 units.
5. Assessment methods (Formative & Summative).
6. Grading Schemes.
7. Department Elective and Honor courses (streams/pools).
8. Open Elective and Minor courses (streams/pools).
9. Creative work-in-Liu-Course work
10. SDG Mapping and incorporation of IKS components
11. Consideration of new program outcomes (POs) as prescribed by the NBA

The following are the observations:

1. Major restructuring has taken place in the curriculum which is oriented towards continuous learning and assessment based on Module structure.
2. Major reformation has taken place in the curriculum by offering Honours/Specialization degree or Minor degree thorough 16 more credits with additional courses.
3. R25-C25 curriculum structure including list of professional core, department elective, open elective, Minor, Honour, NPTEL courses of B.Tech., Textile Technology, B.Tech., Technical Textiles programmes. (**Appendix - I**)
4. The curriculum is encompassing the courses that enable employability or entrepreneurship or skill development, provided in **Appendix - II**.
5. Total average percentage of syllabus revised was **28 %** for Textile Technology and 25 % for Technical Textiles compared to previous curriculum provided in **Appendix - III**.
6. The significant changes are made in the content of all courses and hence the courses are considered as new courses provided in **Appendix - IV**.

7. **Indian Knowledge System (IKS)** components are incorporated in the relevant courses and the details are mentioned in **Appendix - V**.
8. The courses in the curricula are mapped with the **Sustainable Development Goals (SDG)** and the mapping details are provided in **Appendix - VI**.
9. Feed back from various stakeholders are incorporated appropriately in the R25-C25 curriculum.
10. Information on NPTEL course offerings for the 2025-26 academic year, for B.Tech students in Textile Technology and Technical Textiles:

. List of SWAYAM - NPTEL Courses

S.No	Course title	Credits
1.	Advanced Textile Printing Technology	3
2.	Testing of Functional and Technical Textiles	3
3.	Textile Product Design and Development	3
4.	Textured Yarn Technology	3
5.	Theory of Yarn Structure	3
6.	Technical Textiles	3
7.	Science of Clothing Comfort	3
8.	Textile Finishing	3
9.	Science and Technology of Weft and Warp Knitting	3
10.	Principles Of Combing, Roving Preparation and Ring Spinning	3
11.	Yarn Manufacture I : Principle of Carding and Drawing	3

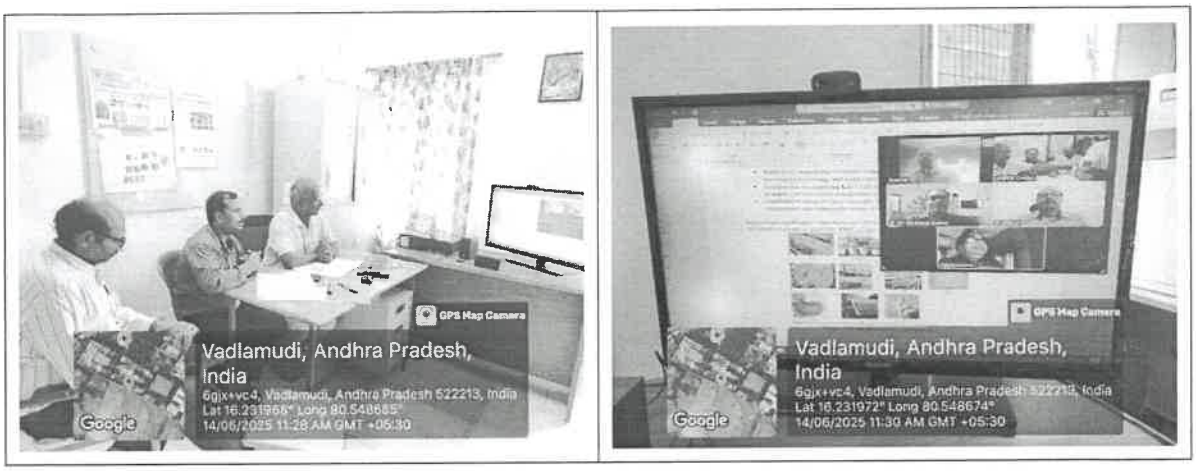
Note: NPTEL registered 3 credit course can be considered as 4 credits based on submission of additional assignments of the particular course.

The following improvements are suggested: (Action Points)

1. External members suggested to create more awareness about IKS to the faculty members by conducting either department workshops or institute level workshops.

The following recommendations and approvals are made after the discussion:

1. BoS Members approved the revised regulations, curriculum structure, syllabus, assessment schemes of B.Tech., Textile Technologyand B.Tech Technical Textiles programmes and it follows based on the NEP 2020.
2. The details of elective courses (Department/ Open/ Minor / Honour) of B.Tech., Textile Technology B.Tech Technical Textiles programmes for the regulation R25-C25 are approved.
3. NPTEL courses are approved for the Academic Year 2025-26.
4. SDG mapping and incorporation of the IKS components in the syllabus is approved.



Based on the suggestions given by the members, the chairperson of BoS told that, those suggestions would be incorporated appropriately in the curriculum and syllabi of the regulation R25 C25 and this will be recommended to the Academic Council of VFSTR for the approval.

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

Member Secretary

Chairperson

Ch. Govardhana Rao
Department of Textile Technology
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DEPARTMENT OF TEXTILE TECHNOLOGY

APPENDIX I

Textiles Technology Programme: Curriculum Structure

II Year I Semester

Course Code	Course Title	L	T	P	SL	C	Course Category	Course Offered By
	Data Structures	2	2	2	2	4	Basic Engineering	T&P
	Textile fibres	2	0	2	2	3	Basic Sciences	TT
	Yarn manufacturing	3	0	2	3	4	Professional core 1	TT
	Fabric Manufacturing	3	2	0	3	4	Professional core 2	TT
	Testing of Fibers and Yarns	3	0	2	3	4	Professional core 3	TT
	Probability and Statistics	3	2	0	3	4	Basic Sciences	S&H-Statistics
	Design Thinking & Engineering Orientation	0	0	2	0	1	Basic Engineering	TT
	Sub Total	16	6	10	16	**24**		
	Life Skills-I	0	0	2	0	1	Binary Grade	
	Sub Total	16	6	10	16	25		
	Total	**48**				**25**		

II Year II Semester

Course Code	Course Title	L	T	P	SL	C	Course Category	Course Offered By
	Fabric Structure and Design	3	0	2	3	4	Professional core 4	TT
	Technology of Preparatory and Dyeing	2	0	2	2	3	Professional core 5	TT
	Technology of Knits and Nonwovens	3	2	0	3	4	Professional core 6	TT

	Testing of Fabrics and Garment	3	0	2	3	4	Professional core 7	TT
	Statistics in Textile Industries	2	2	0	2	3	Basic Sciences	S&H-Statistics
	Open Elective – 1	3	0	0	3	3	Open Elective	
	Field Projects	0	0	2	0	1	Project	
	Industry interface course (Modular course)	1	0	0	1	1	Department Elective	TT
	Sub Total	**17**	**4**	**8**	**17**	**23**		
	Total	**46**				**23**		

III Year I Semester

Course Code	Course Title	L	T	P	SL	C	Course Category	Course Offered By
	Soft Skills Laboratory	0	0	2	0	1	Humanities	
	Professional Communication Skills	0	0	2	0	1	Humanities	
	Technology of Printing and Finishing	3	0	2	3	4	Professional core 8	TT
	Apparel Production Technology	3	0	2	3	4	Professional core 9	TT
	Advanced Yarn & Fabric Formation	3	2	0	3	4	Professional core 10	TT
	Technical Textiles	3	2	0	3	4	Professional core 11	TT
	Department Elective – 1	2	2	0	2	3	Department elective	TT
	Sub Total	**14**	**4**	**10**	**14**	**21**		
	Minors/Honours - 1	3	2	0	3	4		
	Sub Total	**17**	**6**	**10**	**17**	**25**		
	Total	**50**				**25**		

III Year II Semester

Course Code	Course Title	L	T	P	SL	C	Course Category	Course Offered By
	Quantitative aptitude & Logical reasoning	0	2	0	0	1	Humanities	
	Process Control in Textile Manufacturing	3	2	0	3	4	Professional core 12	TT
	Industrial Engineering for Textiles and Apparels	2	2	0	2	3	Professional core 13	TT
	Inter Departmental Project	0	0	2	0	1	Project	TT
	Department Elective – 2	3	2	0	3	4	Department elective	TT
	Department Elective – 3	3	2	0	3	4	Department elective	TT
	Open Elective – 2	3	0	0	3	3	Open Elective	
	Sub Total	**14**	**10**	**2**	**14**	**20**		
	Minors/Honours - 2	3	2	0	3	4		
	Sub Total	17	12	2	17	24		
	Total	**48**				**24**		

IV Year I Semester

Course Code	Course Title	L	T	P	SL	C	Course Category	Course Offered By
	Professional Ethics in Textile Industries	1	2	0	1	2	Humanities	TT
	Department Elective – 4	3	2	0	3	4	Department Elective	TT
	Department Elective – 5	3	2	0	3	4	Department Elective	TT
	Department elective – 6	3	2	0	3	4	Department Elective	TT
	Open Elective – 3	3	0	0	3	3	Open Elective	
	Sub Total	**13**	**8**	**0**	**13**	**17**		
	Minors/Honours - 3	3	2	0	3	4		
	Sub Total	**16**	**10**	**0**	**16**	**21**		

	Total	**42**		**21**		

IV Year II Semester

Course Code	Course Title	L	T	P		C	Course Category	Course Offered By
	Internship / Project Work	0	2	22	0	12	Project	TT
	Sub Total	**0**	**2**	**22**	**0**	**12**		
	Minors/Honours - 4	3	2	0	0	4		
	Sub Total	**3**	**4**	**22**	**0**	**16**		
	Total	**29**				**16**		

I. List of Department Elective Courses

S. No.	Course Code	Course Title	L	T	P	SL	C
1.		Technology of Dyeing and Printing Machines	2	2	0	2	3
2.		Advances in Knitting Technology	2	2	0	2	3
3.		Characteristics of Textile Fibres	3	2	0	3	4
4.		Fashion Theory	3	2	0	3	4
5.		Garment Production Machinery	3	2	0	3	4
6.		Pattern Making	3	2	0	3	4
7.		Technology of Manufactured Fibers	3	2	0	3	4
8.		Total Quality Management in Textile Industries	3	2	0	3	4
9.		Textile and Apparel Exim Management	3	2	0	3	4
10.		Fundamentals of Textile 4.0	3	2	0	3	4
11.		Lean and Six Sigma for Textiles and Apparel	3	2	0	3	4
12.		Industry interface course (Modular course)	1	0	0		1

L=Lecture; T= Tutorial; P= Practical; SL= Self Learning; C=Credits

II. List of Minor Courses

S. No.	Course Code	Course Title	L	T	P	SL	C

1.		Basics of Technical Textiles	3	2	0	3	4
2.		Functional and Smart Textiles	3	2	0	3	4
3.		Technical Textiles for Infrastructure and Mobility	3	2	0	3	4
4.		Sustainability and Innovations in Technical Textiles	3	2	0	3	4

III. List of Honour Courses

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

IV. List of Open Elective Courses

S. No.	Course Code	Course Title	L	T	P	SL	C
1.		Fashion Theory	2	2	0	2	3
2.		Technical Textiles	2	2	0	2	3
3.		Fundamentals of Textile 4.0	2	2	0	2	3

V. List of SWAYAM - NPTEL Courses

S.No	Course title	Credits
1.	Advanced Textile Printing Technology	3
2.	Testing of Functional and Technical Textiles	3
3.	Textile Product Design and Development	3
4.	Textured Yarn Technology	3
5.	Theory of Yarn Structure	3
6.	Technical Textiles	3
7.	Science of Clothing Comfort	3
8.	Textile Finishing	3
9.	Science and Technology of Weft and Warp Knitting	3
10.	Principles Of Combing, Roving Preparation and Ring Spinning	3
11.	Yarn Manufacture I : Principle of Carding and Drawing	3

Member Secretary

Chairperson

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APPENDIX II

List of Courses that Enables Employability or Entrepreneurship or Skill Development

S. No.	Course Code	Course Title	Year of Introduction	Employability / Entrepreneurship / Skill development
1.		Textile fibres	2025	**Skill development:** Know the process sequences of textile fibres cultivation and production
2.		Yarn manufacturing	2025	**Employability:** Know the process sequences and of yarn production
3.		Fabric Manufacturing	2025	**Employability:** Know the process sequences and of fabric production
4.		Testing of Fibers and Yarns	2025	**Employability:** Know the quality measures of the fibre and yarn
5.		Design Thinking & Engineering Orientation	2025	**Skill development:** Know the process sequences of textile production and developing new designs
6.		Fabric Structure and Design	2026	**Skill development:** Develop new woven fabric designs
7.		Technology of Preparatory and Dyeing	2026	**Entrepreneurship:** Know the process sequences and Plant layout to an optimum arrangement of different facilities including human resource, plant and machinery, material etc to dye textile material.
8.		Technology of Knits and Nonwovens	2026	**Employability:** Know the process sequences and production methods of Knits and Nonwovens
9.		Testing of Fabrics and Garment	2026	**Employability:** Know the quality measures of the Fabrics and Garment
10.		Statistics in Textile Industries	2026	**Skill development:** Know the Statistical applications in textile industry
11.		Industry interface course (Modular course)	2026	**Skill development:** Know the production quality measures of the textile industry
12.		Technology of Printing and Finishing	2026	**Entrepreneurship:** Know the process sequences and Plant layout to an optimum arrangement of different facilities including human resource, plant and machinery, material etc to print the textile material.
13.		Apparel Production Technology	2026	**Employability:** Know the process sequences of apparel production
14.		Advanced Yarn & Fabric Formation	2026	**Employability:** Know the process sequences advanced yarn and fabric production techniques
15.		Technical Textiles	2026	**Skill development:** Acquire the knowledge of production methods and applications of textile material in various fields quality measures of the textile industry

16.		Process Control in Textile Manufacturing	2027	**Skill development:** Gain the knowledge of production methods and Process Control techniques in textile industry
17.		Industrial Engineering for Textiles and Apparels	2027	**Skill development:** Get the knowledge applications of Industrial Engineering techniques in the textile industry
18.		Inter Departmental Project	2027	**Entrepreneurship:** Develop the new project proposal and report submission.
19.		Professional Ethics in Textile Industries	2027	**Employability:** Know the ethics to be follow in the industry
20.		Technology of Dyeing and Printing Machines	2026	**Entrepreneurship:** Know the process sequences and Plant layout to an optimum arrangement of different machinery, and material etc. to dye and print the textile material.
21.		Advances in Knitting Technology	2026	**Employability:** Know the process sequences of Advanced in Knitting Techniques
22.		Characteristics of Textile Fibres	2027	**Skill development:** Acquire the knowledge of production methods and applications of textile fibres
23.		Fashion Theory	2027	**Skill development:** Acquire the knowledge of fashion and new trends in the market
24.		Garment Production Machinery	2027	**Employability:** Know the process sequences machines used in the garment industry.
25.		Pattern Making	2027	**Skill development:** Acquire the knowledge of fashion and new trends in the market
26.		Technology of Manufactured Fibers	2027	**Skill development:** Acquire the knowledge of production methods and applications of manmade fibres
27.		Total Quality Management in Textile Industries	2027	**Skill development:** To impart adequate knowledge of quality systems followed in textile industries
28.		Textile and Apparel Exim Management	2027	**Entrepreneurship:** Know the process sequences of import and export of textile material and EXIM policy of the nation.
29.		Fundamentals of Textile 4.0	2027	**Skill development:** Acquire the knowledge of basics of advanced methods in textile industries.
30.		Lean and Six Sigma for Textiles and Apparel	2027	**Skill development:** Get the knowledge of applications of different Lean and Six Sigma method in industry
31.		Basics of Technical Textiles	2027	**Skill development:** Acquire the knowledge of production methods and applications of textile

				material in various fields quality measures of the textile industry
32.		Functional and Smart Textiles	2028	**Skill development:** Acquire the knowledge of production methods and applications of smart materials used in textile.
33.		Technical Textiles for Infrastructure and Mobility	2028	**Skill development:** Obtain the knowledge of production methods and applications of textile materials used in Infrastructure and Mobility.
34.		Sustainability and Innovations in Technical Textiles	2028	**Skill development:** Obtain the knowledge of production methods and applications of sustainable practices and innovations in technical textiles.
35.		Operations research for engineers	2028	**Skill development:** Get the knowledge of applications of different operation research method in industry.
36.		Fashion product development	2028	**Entrepreneurship:** Know the process sequences of new product developments related to modern fashion.
37.		Apparel Production Planning and Process Control	2028	**Skill development:** Obtain the knowledge of production methods, planning and Process Control techniques in apparel industry.
38.		Apparel Marketing and Merchandising	2028	**Skill development:** Obtain the knowledge of Marketing and Merchandising techniques in apparel sector.
39.		Fashion Theory	2028	**Skill development:** Acquire the knowledge of fashion and new trends in the market
40.		Technical Textiles	2028	**Skill development:** Acquire the knowledge of production methods and applications of textile material in various fields quality measures of the textile industry
41.		Fundamentals of Textile 4.0	2028	**Skill development:** Acquire the knowledge of basics of advanced methods in textile industries.

Member Secretary

Chairperson

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DEPARTMENT OF TEXTILE TECHNOLOGY

APPENDIX III

Comparison of Course Contents between R25-C25 and R22-C22/C24 Curriculums

S. No.	Course Code	Course Title	% of Changes	Justification for the changes
1.		Yarn manufacturing	25%	Ancient methods of yarn production
2.		Fabric Manufacturing	30%	Ancient methods of fabric production
3.		Testing of Fibers and Yarns	22%	Ancient methods of yarn production
4.		Design Thinking & Engineering Orientation	20%	No change
5.		Fabric Structure and Design	30%	Module 2 is changed with applications and case studies
6.		Technology of Preparatory and Dyeing	35%	Based on the industrial needs this course slightly modified
7.		Technology of Knits and Nonwovens	25%	Based on the industrial needs this course slightly modified
8.		Testing of Fabrics and Garment	30%	Based on the industrial needs this course module 2 slightly modified
9.		Statistics in Textile Industries	35 %	Based on the industrial needs this course is included
10.		Industry interface course (Modular course)	NA	
11.		Technology of Printing and Finishing	35%	Based on the industrial needs this course topics are increased
12.		Apparel Production Technology	20%	Conventional garment manufacturing methods added
13.		Advanced Yarn & Fabric Formation	25%	Modern tex6tile productions included
14.		Technical Textiles	20%	All advanced segments are included
15.		Process Control in Textile Manufacturing	30%	Based on the industrial needs this course slightly modified
16.		Industrial Engineering for Textiles and Apparels	30%	Based on the industrial needs this course topics are slightly increased
17.		Inter Departmental Project	NA	
18.		Professional Ethics in Textile Industries	35%	Based on the industrial needs this course slightly modified with human values.
19.		Technology of Dyeing and Printing Machines	25%	Based on the industrial needs modern dyeing and printing machines added

20.		Advances in Knitting Technology	30%	Based on the industrial needs this course slightly modified
21.		Characteristics of Textile Fibres	25%	Based on the industrial needs this course slightly modified
22.		Fashion Theory	30%	Based on the industrial needs ancient theories are introduced
23.		Garment Production Machinery	20%	Based on the industrial needs modern tool are introduced
24.		Pattern Making	20%	Applications of modern tools are introduced
25.		Technology of Manufactured Fibers	30%	Based on the industrial needs advanced fibres are introduced
26.		Total Quality Management in Textile Industries	30%	Modern TQM tools are introduced
27.		Textile and Apparel Exim Management	30%	Based on the industrial needs new EXIM policies are introduced
28.		Fundamentals of Textile 4.0	30%	Modern industrial applications are introduced
29.		Lean and Six Sigma for Textiles and Apparel	35%	Based on the industrial needs lean practices are introduced
30.		Basics of Technical Textiles	30%	All technical textile applications introduced
31.		Functional and Smart Textiles	20%	New electronic devices and sensors introduced
32.		Technical Textiles for Infrastructure and Mobility	20%	Modern equipment are added
33.		Sustainability and Innovations in Technical Textiles	25%	All SDG goals and objective introduced
34.		Operations research for engineers	25%	Modern tools are introduced
35.		Fashion product development	25%	Some concepts in previous units (R22 C24) of FPD course are rearranged, and adjusted according to R25 course regulation.
36.		Apparel Production Planning and Process Control	33%	Advanced production systems are added
37.		Apparel Marketing and Merchandising	30%	Modern marketing tools are introduced
38.		Fashion Theory	25%	Recent fashion topics are presented
39.		Technical Textiles	30%	Current textile topics are bring together

Member Secretary

Department of Textile Technology
VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY & RESEARCH
(Declared to be Deemed University u/s 3 of UGC Act 1956)
VADLAMUDI-522 213, A.P. INDIA

Chairperson

Dr. M. Ramakrishna
Dean, School of Core Engineering
VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be UNIVERSITY)
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NAAC

DEPARTMENT OF TEXTILE TECHNOLOGY

APPENDIX IV

List of New Courses in the R25-C25 Curriculum

S. No.	Course Code	Course Title	% of Changes	Justification for the changes
1.		Yarn manufacturing	25%	Ancient methods of yarn production
2.		Fabric Manufacturing	30%	Ancient methods of yarn production
3.		Testing of Fibers and Yarns	22%	Ancient methods of yarn production
4.		Fabric Structure and Design	30%	Module 2 is changed with applications and case studies
5.		Technology of Preparatory and Dyeing	35%	Based on the industrial needs this course slightly modified
6.		Technology of Knits and Nonwovens	25%	Based on the industrial needs this course slightly modified
7.		Testing of Fabrics and Garment	30%	Based on the industrial needs this course module 2 slightly modified
8.		Statistics in Textile Industries	35 %	Based on the industrial needs this course is included
9.		Technology of Printing and Finishing	35%	Based on the industrial needs this course topics are increased
10.		Apparel Production Technology	20%	Conventional garment manufacturing methods added
11.		Advanced Yarn & Fabric Formation	25%	Modern tex6tile productions included
12.		Technical Textiles	20%	All advanced segments are included
13.		Process Control in Textile Manufacturing	30%	Based on the industrial needs this course slightly modified
14.		Industrial Engineering for Textiles and Apparels	30%	Based on the industrial needs this course topics are slightly increased
15.		Professional Ethics in Textile Industries	35%	Based on the industrial needs this course slightly modified with human values.
16.		Technology of Dyeing and Printing Machines	25%	Based on the industrial needs modern dyeing and printing machines added
17.		Advances in Knitting Technology	30%	Based on the industrial needs this course slightly modified
18.		Characteristics of Textile Fibres	25%	Based on the industrial needs this course slightly modified
19.		Fashion Theory	30%	Based on the industrial needs ancient theories are introduced
20.		Garment Production Machinery	20%	Based on the industrial needs modern tool are introduced

21.		Pattern Making	20%	Applications of modern tools are introduced
22.		Technology of Manufactured Fibers	30%	Based on the industrial needs advanced fibres are introduced
23.		Total Quality Management in Textile Industries	30%	Modern TQM tools are introduced
24.		Textile and Apparel Exim Management	30%	Based on the industrial needs new EXIM policies are introduced
25.		Fundamentals of Textile 4.0	30%	Modern industrial applications are introduced
26.		Lean and Six Sigma for Textiles and Apparel	35%	Based on the industrial needs lean practices are introduced
27.		Basics of Technical Textiles	30%	All technical textile applications introduced
28.		Functional and Smart Textiles	20%	New electronic devices and sensors introduced
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