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

SCHOOL OF CORE ENGINEERING
DEPARTMENT OF TEXTILE TECHNOLOGY
B. Tech – TEXTILE TECHNOLOGY

Date:09 .05.2026

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 09.05.2026 in blended mode from 10:30 am to 01:30 pm. The physical meeting has been held at Textile Block, Staff Cabin, VFSTR university, Guntur.

The Microsoft Link for the meeting is

https://teams.microsoft.com/meet/46834867015493?p=u4EoGfY7YiwxZKfChm

Meeting ID: 468 348 670 154 93

Passcode: bB9UP2wf

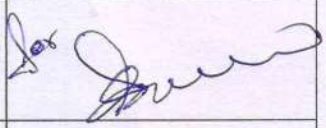
Agenda of the BoS Meeting:

1. To Discuss and finalize the curriculum structure, credits distribution and AI Integration of B.Tech., Textile Technology and B. Tech Technical Textiles Programs for the regulation R25C26.
2. To Discuss and approve the AI courses integrated into the curriculum for R25C25, R22C24, R22-C22.
3. To Discuss and finalize the curriculum structure and credits distribution of B.Tech., Textile Technology and B. Tech., Technical Textiles Programs for the regulation R25C25.
4. To Discuss and finalize the elective courses list(Department/ Open/ Minor / Honour) and stream of B.Tech., Textile Technology and B. Tech Technical Textiles Programs for the regulation R25C25.
5. To Discuss about the SDG and IKS components in the syllabus.
6. To approve the R25C25 & R25C26 curriculum, syllabus and assessment schemes of B.Tech., Textile Technology and B. Tech Technical Textiles Programs and recommend to the Academic council.
7. 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	Role	Signature
1.	Dr. M. Ramakrishna School Dean – School of Core Engineering and Dean – IQAC	Chairperson	

External Members

S.No	Name and Designation of the Member	Role	Signature
1	Prof. Dr. J. Hayavadana Head, OUCT, Osmania University	External Member (Academia)	Attended online Mode
2	Dr. Prasanta Kumar Panda Sr Scientist. Bombay Textile Research Association, Mumbai, 400086 Mobile: 8850274854	External Member (Research)	Attended online Mode
3	Dr. Syamal Maiti Senior Process Technologist - Grasim Industries Limited-Pulp & Fibre, Surat, Gujarat, India.	Invited Member	Attended online mode
4	Dr. T. Saravana Kumar, Director – Operations, Development, Innotech LLP, Karur and Active consultant.	Invited Member	Attended online Mode
	Internal Members		
5	Dr. Ch. Govardhana Rao HOD & Assistant Professor, Department of Textile Technology, VFSTR	Invited member (School Dean Nominee)	Ch. Govardhan
6	Dr.rer.nat. Labeesh Kumar Assistant Professor, Sr. Level, Department of Textile Technology, VFSTR	Member (Dean R&D Nominee)	Labeesh Kumar
7	Mr. M. Siva Jagadish Kumar, Assistant Professor, Department of Textile Technology, VFSTR	Internal Member	M. S. Jagadish
8	Mr. R. Paranthaman, Assistant Professor, Department of Textile Technology, VFSTR	Internal Member	
9	Dr. M. Aswini Assistant Professor, Sr. Level, Department of Textile Technology, VFSTR	Member Secretary (HOD Nominee)	

Chairperson, Professor. Dr. 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 inviting the internal members. Dr.Ch. Govardhana Rao presented

about the NEP 2020 Complaint Regulation – R25-C26 which emphasis on creating learning and continuous assessment model) offering B.Tech, B.Tech with Honours/ Research Honours/ Minor/ Add-on Diploma, providing later entry and honorable exit.

Dr. M. Aswini presented the AI courses integrated into the curriculum for R25-C25, R22-C24 R22-C22. AI Topics included in the B.Tech Textile Technology and Technical Textile syllabus.

The following points were discussed in the BoS meeting:

1. Regulation R25-C26
2. AI Courses integrated in R25-C25, R22-C24, R22-C22
3. AI Topics included in the B. Tech Textile Technology and Technical Textiles syllabus.
4. Significance of self-learning (SL)
5. 2 Modules, Module-1 is fundamental with 2 units and Module-2 is fundamental with 3 units.
6. Assessment methods (Formative & Summative).
7. Grading Schemes.
8. Department Elective and Honor courses (streams).
9. Open Elective and Minor courses (streams).
10. Information related to NPTEL courses for the Academic Year 2026-27
11. Creative work-in-Liu-Course work
12. SDG Mapping and incorporation of IKS components
13. Consideration of new program outcomes (POs) as prescribed by the NBA

The following are the observations:

1. Pre- semester cancelled, that credits are balanced in the first year, second year and third year
2. Agentic AI courses for upcoming second year, third year and final year B.Tech. students (**Appendix - I)**
3. R25-C26 curriculum structure including list of AI tools in professional core courses of B.Tech., Textile Technology and B.Tech Technical Textiles programmes (**Appendix - II)**
4. Total average percentage of syllabus revised in professional core courses of B.Tech., Textile Technology and B.Tech Technical Textiles Programes was **10%** compared to previous curriculum provided. **Appendix - III**.
5. Feed back from various stakeholders are incorporated appropriately in the R25-C26 curriculum.

The following improvements are suggested: (Action Points)

1. AI should be used in Productive and creative manner.
2. Limitations of AI should be clearly demonstrated to the students.

The following recommendations and approvals are made after the discussion:

1. BOS Members approved the revised curriculum structure, syllabus of B.Tech., Textile Technology and Technical Textiles and it follows based on the NEP 2020 Curriculum structure with credits, credits distribution (L-T-P-SL).
2. AI Courses integrated in R25-C25, R22-C24, R22-C22 got approved in Appendix I

3. AI Topics included in the B.Tech Textile Technology and Technical Textiles syllabus in Appendix II
4. The details of elective courses (Department/ Open/ Minor / Honour) of B.Tech., Textile Technology Program for the regulation R25-C26 are approved.
5. NPTEL courses are approved for the Academic Year 2026-27

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 R26. 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

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Dean, School of Core Engineering
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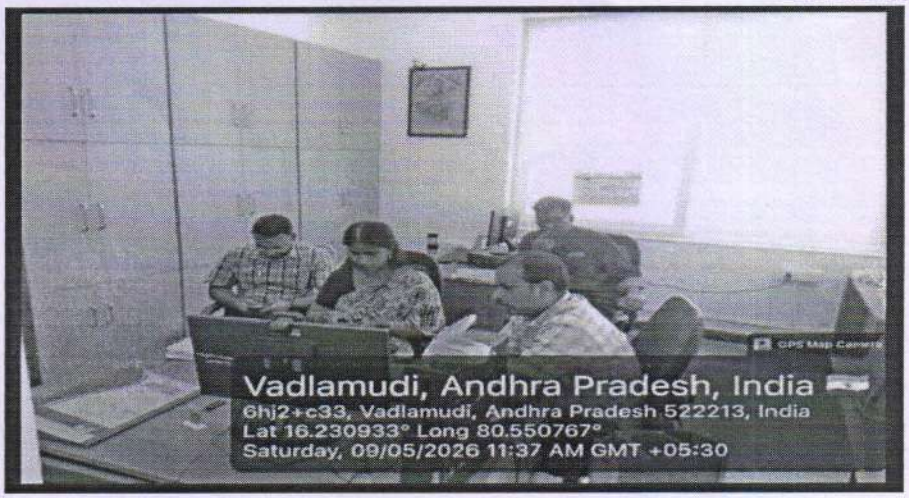
*** Photos of online meeting.**



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APPENDIX I

Admitted Batch	Year and Sem	Current Course (Credit) REMOVED	ADDED Course (Credit)	Modified Course (Credit)
2025 (R25 – C25) Upcoming II year	2.1	Data structure (4 credit)	Agentic AI Tools (1 credit)	Data Structure (3 credits)
2025 (R25 – C25) Upcoming II year	2.2	IIC course (1 Credit) Work In Lieu (1 Credit)	Data Wrangling and Visualization (2 Credits)	-
2025 (R25 – C25) Upcoming II year	3.2	Open Elective -2 (3 credits)	Machine Learning (3 credits)	-
2025 (R25 – C25) Upcoming II year	4.1	Open Elective -3 (3 credits)	Optional for Interested departments (3 credits)	-
2024 (R22-C24) Upcoming III year	3.1	Open Elective -2 (3 credits)	Data Wrangling and Visualization (3 Credits)	-
2024 (R22-C24) Upcoming III year	3.2	Open Elective -3 (3 credits)	Machine Learning (3 Credits)	-
2024 (R22-C24) Upcoming III year	4.1	Department Elective -2 (3 credits)	Optional for Interested departments (3 Credits)	-
2023 (R22-C22)	4.1	-	Value added courses on AI implementation in Textiles (0 Credit)	-

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APPENDIX II

List of Courses In B.Tech Textile Technology

S. No.	Course Code	Course Title	Year of Introduction	AI Topic Introduction
1.		Yarn manufacturing	2025	Online monitoring of sliver quality. IoT-enabled auto levelling systems. Digital control of drafting and twist insertion. Real-time yarn quality monitoring
2.		Fabric Manufacturing	2025	Tension monitoring using sensors. Concept of connected looms and smart factories
3.		Design Thinking & Engineering Orientation	2025	Role of data-driven design in modern textileproducts. Digital user research methods (data logs, usage analytics). IoT for waste reduction and process optimization.
4.		Fabric Structure and Design	2026	Style 3DAI, Textile – Designer .ai, AI2Eye machine vision for automated defect analysis.
5.		Technology of Preparatory and Dyeing	2026	Automated control of pre-treatment processes. Digital quality control systems. Computer color matching (CCM).
6.		Technology of Knits and Nonwovens	2026	Role of sensors in knitting machines: Needle monitoring and yarn break detection. Developments and application of electronics in weft and warp knitting machines
7.		Testing of Fabrics and Garment	2026	3D body scanning (Conceptual)
8.		Statistics in Textile Industries	2026	Use of DOE with data-driven systems. Introduction to response surface methodology (basic)
9.		Technology of Printing and Finishing	2026	Digital control of printing paste viscosity and composition. Introduction to printing electronic on textiles (basic idea) Introduction to responsive and functional coating.
10		Apparel Production	2026	Digital tracking of fabric rolls using: RFID / barcode systems. Automated

		Technology		spreading machines with sensors. Automated pressing with programmable controls
11		Advanced Yarn & Fabric Formation	2026	Automations in Spinning. Real-time loom monitoring systems
12		Process Control in Textile Manufacturing	2027	Automated process control in dye houses. Digital control of printing parameters. Digital production tracking systems
13		Industrial Engineering for Textiles and Apparels	2027	CAD tools for plant layout design
14		Garment Production Machinery	2027	Computerized cutting machines, maintenance, common defects in cutting and their remedies. Computerized sewing machines with programmable control
15		Pattern Making	2027	CAD pattern making

List of Courses In B.Tech Technical Textiles

S. No.	Course Code	Course Title	Year of Introduction	AI Topic Introduction
1		Technology of Yarn and Fabric Formation	2025	AI application in spinning/ weaving /knitting
2		Agro Textiles	2025	Role of agro textiles in precision agriculture systems. Performance monitoring using sensors embedded in agro textiles

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APPENDIX III

% of Changes in B.Tech Textile Technology

S. No.	Course Code	Course Title	% of Changes
1.		Yarn manufacturing	6%
2.		Fabric Manufacturing	6%
3.		Design Thinking & Engineering Orientation	10%
4.		Fabric Structure and Design	8%
5.		Technology of Preparatory and Dyeing	10%
6.		Technology of Knits and Nonwovens	12%
7.		Testing of Fabrics and Garment	10%
8.		Statistics in Textile Industries	12%
9.		Technology of Printing and Finishing	6 %
10.		Apparel Production Technology	6%
11.		Advanced Yarn & Fabric Formation	12 %
12.		Process Control in Textile Manufacturing	10%
13.		Industrial Engineering for Textiles and Apparels	10%
14.		Garment Production Machinery	10%
15.		Pattern Making	10%

List of Courses In B.Tech Technical Textiles

S. No.	Course Code	Course Title	% of Changes
1.		Technology of Yarn and Fabric Formation	10%
2.		Agro Textiles	10 %

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