



Centre for Textile Functions

Textile Industry is second largest Industry in the country, supporting cotton growing farmers and providing employments to millions of people. India is becoming Asia's main hub of Textile Industry and it needs to upgrade and import Technology. Industry is continuously upgrading machines to produce various ranges of products in yarns, fabrics and garments. To meet the challenges in large scale manufacturing there is need to adopt Modern Technology with large no of technically competent personnel to work in automation of the Textile Industry. Industry is facing acute shortage of Technical personnel's to work in modern production Technology. Hence, a unique career opportunity is provided to students of this center to learn present technology in collaboration with Mentors of the Top textile Industry in different sector Viz. Spinning, Weaving, Knitting, Chemical processing and Garmenting etc.

PSSGL group of Industries has Rs. 2000 crore investment plan in Textile Industry under leadership of Shri. Amrish R Patel Ex-Education Minister Government of Maharashtra Present MLC Shirpur District Dhule Maharashtra. He has developed this small town with Modern Textile Industries. Further, he has developed educational Institutes under Mukesh Patel Technology Park with world class equipments and infrastructure. Idea is to prepare human capitol with skills to supplement and compliment Industry requirements in terms of performance. Facilities created in these centers are comparable to any Institutes in developed world with highly qualified Technology Managers taking care of the programs in different institutes of the Industry and academia in shirpur.

VISION

Department of Textile Technology CTF MPSTME will impart quality education and conduct research relevant to needs of the national and international community which will help to improve the quality of human life.

MISSION

To prepare human resource with technical and management skills to meet the contemporary Textile Technology demands of the industry and society at large by delivering relevant curriculum, using the state of the art pedagogical innovations, and undertake relevant research.



Mentoring at CTF

Center for Textile Functions has come up with unique concept of Mentoring students along with senior academicians and professionals from the industry. The dictionary meaning of the word "Mentor" is "Guide" – better still "Guru". Mentoring has been in existence since the days of the mythological Arjun, who had Lord Krishna as his mentor. Under our process of mentoring, students will be guided by the mentor. Mentors at CTF are an eclectic mix of experienced faculty members and professionals from the corporate world. The process of Mentoring begins in the 1st year of a student's stay at the Institute; CTF MPTP can carry on even during the student's professional career.

What happens in the mentoring process?

"You start off with what you are, pen down your career aspirations. Write down areas which you think interest you and why do they interest you? You then approach your mentor with your resume and the above information. From then on, it is a personal exercise of finding focus areas and a goal, setting milestones along the way and then taking the path. The Mentor, who is a professional from the corporate and is in the thick of what it takes to realize your aspirations, guides you all along.

From guiding you on what to read, which seminars to attend to what special projects need to be done, which companies need to be studied Mentor guides you, but you have to walk the walk. At the end of the process you are a Technical graduate with above average clarity of thought, have decided where you want to go and have toiled in the right direction to achieve your goal in Textile Industry. All through the process, we – the core faculty are present to facilitate, revert to and share your concerns and doubts. We strongly believe that this process has the potential to create a "Brand" out of you and thus increase your potential in the Industry. Our intention is to bridge the gap between Industry and education by effective communication between the students and Industry Mentors to teach the requirement of the Industry and groom the students for the needs of the Industry by making the students to work under experienced Industry Mentor in the Industry he is likely to make career. Our aim is to make the students of CTF MPSTME MPTP NMIMS Industry ready, Industry relevant and internationally competent Industry person by adopting Industry- Institute linkage program.

Mentoring of the students to develop fundamental technical ability to understand Technical requirements to work in Textile Industry is being initiated in CTF by adopting mentoring concept during entire course curriculum. Specialization Viz:- Spinning, Weaving, Knitting, Garmenting, chemical processing (fibres, yarns, Fabrics and Garments) and Manmade-Fibres and blends Technology and processing. Staff of CTF and Industry Mentors from PSSGL group jointly groom students from the day one he enter CTF to teach basics of Textile Technology in different segment. Grooming is done in such a way that each student will have clarity about the career he wants to peruse in Textile Industry in first three years of course curriculum. Idea is to motivate students to choose his own career path with proactive learning by work exposure in Industry. Based on students performance in three years in area of interest and his ability students will be offered project/Training in different segment of the Industry. Top textile industries are employing dedicated Industry mentors during internship training. All the students are made to work for Industry useful project work IDP/UDP leading to development of student's ability to work as Team member under Technical persons on the production floor in the present Textile Industries.

Dr. P. P. RAICHURKAR,
Chief Mentor

B. TECH. (TEXTILE TECHNOLOGY)

Program Educational Objectives (PEOs)

The Program Educational Objectives of the B.Tech. (TT) program are to produce graduates who will :

1. Establish themselves as Textile Technology professionals in various private and public sectors that are involved in the manufacturing of Textiles from fibre, yarns fabrics and garments.
2. Solve real world problems by applying knowledge ethically that will benefit organizations and society at large.
3. Adapt to changing trends in Textile Technology, and become lifelong learners.

Program Educational Outcome (PEOs)

On successfully completing the B.Tech. (TT) program, student would achieve the 14 program outcomes mentioned below:

1. An ability to apply knowledge of mathematics, science, and engineering for problem solving.
2. Gets practical exposure and Industry Mentors interaction in the present Textile Technology in Industries
3. An ability to research, design and conduct experiments, as well as to analyze and interpret data.
4. An ability to design, implement, and evaluate a Fiber Technology based processing in different operations Viz Spinning Weaving Knitting chemical processing to get the desired finish in the final products as desired by products specification by consumer.
5. An ability to function effectively on teams to accomplish a common goal.
6. An ability to identify, formulate and provide effective Technical solution for engineering problems.
7. An understanding of professional, legal, security and social issues and responsibilities.
8. An ability to communicate effectively with a range of audiences.
9. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
10. Recognition of the need for and an ability to engage in continuing professional development and self learning.
11. An ability to apply ethical principles in development of Textile solutions.
12. An ability to use the techniques, skills, and modern engineering tools necessary for developing effective solutions in the Textile Industries
13. He will be able to work in Textile Production, Research, Marketing, Designing, R and D, Government Textile Industries all over the world.
14. An ability to identify and analyze user needs and take them into account in the selection, creation/integration, evaluation and administration of Textile Industry as Managers.

PROGRAM INTRODUCTION

Textile Industry is second largest in the country, Textile manufacturing is being shifted to south east Asian countries. India is preferred destination to develop automation in textile manufacturing process and large scale manufacturing. Hence, Textile Industry Entrepreneurs' have good opportunities to develop Industries . To keep pace with national and International market quality production in present Technology is need of the hour. To support large scale manufacturing there is need for the large number of Textile Technologist to support to work on production floor with multi tasking abilities required in Technicians viz Industrial Management Marketing, Finance, Supply chain . Lean sigma mfg etc with TQM. Hence, CTF MPSTME has come out with smart program to create Textile Technologist to get practical knowledge and exposure to different mfg sector with major Industry participation to groom students to work in Modern Textile Industries.

The Program provides the students with a platform to develop insight to face some of the toughest real life challenges in Technology for which CTF has adopted "See and learn and work and learn concept" to come out with innovative Solutions with skills as required to work in the present. Technology available in Textile Industry. The B.Tech (Textile Technology) program has strong Textile Industry support for training students have best future to make career in Textile industries in India and abroad .

PROGRAM

Four year Full Time

INTAKE - 60

Eligibility: Candidate must have passed 10 + 2 or equivalent exam including international IB Diploma (IB certificate awarded is not eligible) with English as compulsory subject & With science or science vocational & Minimum 45% marks in PCM for Shirpur campus.

ADMISSION PROCESS

- Register online at www.nmims.edu
- Online registration will start in the month of February/March
- NMAT UG -Test (will be conducted in the month of May at major cities)
- Counselling rounds & payment of admission fees
- For detail query - Email: pp.raichurkar@nmims.edu
- Email: shirpur.mpstme@nmims.edu

UNIQUE FEATURES

- Semester pattern to ensure effective and useful resource utilization.
- Frequent seminars for students with eminent speakers from industry and academia on current topics
- Departmental Seminar by students on regular basis
- Tech fests to encourage logical thinking and research orientation
- Quiz Contests and debate on current technology trends for knowledge dissemination
- Industry Orientation by expert support from the industry.

VALUE PROPOSITION OF PROGRAM

- Dedicated, qualified faculty to ensure high standard of Teaching, Learning and Evaluation processes.
- Semester system with proper planning to utilize the resources effectively and efficiently.
- State of the art facilities to provide ambience and support for curricula and extra curricula activities for the overall development of students.
- Industry visits and industry based project work as part of the curricula to get recognition and reward to the students in the form of job offer or support for further studies and research.
- PSSGL group of Industries for practical's exposure visits.
- Industry participation; Major Textile Industry internship support, ALOK, Welspun Raymonds, Centuty, Maral, Pratibha syntax & NSL etc.

Course Structure: Year 2014-18

FIRST YEAR

Semester –I

Engineering Mathematics-I, Engineering Physics, Basic Electrical Engineering, Engineering Drawing -I, Engineering Mechanics-I, Computer programming -I, Communication skills

Weekly work load in Hrs.

Theory = 18, Practical's =14, Tutorials =02, Total =34, Total Credits =26

Semester –II

Engineering Mathematics-II, Engineering Chemistry, Basic Electronics, Engineering Drawing -II, Engineering Mechanics-II, Computer programming –II, Constitution of India.

Compulsory Workshop: Workshop practice

Weekly work load in Hrs.

Theory = 17, Practical's =12, Tutorials =04, Total =33, Total Credits =23

SECOND YEAR

Semester –III

Engineering Mathematics-III, Industrial Electronics, Strength of Material, Fluid mechanics, Machine drawing & computer graphics, Basic Textile Technology and Testing.

Compulsory Workshop: Library assignment/ Study Practical s/ & Demonstration –I

Weekly work load in Hrs.

Theory = 18, Practical's =14, Tutorials =02, Total =34, Total Credits =26

Semester –IV

Engineering Mathematics-IV, Textile Testing -I, Textile Technology & mfg process-I, Fluid Machinery, Environment Engineering and Management systems, Mechatronics

Compulsory Workshop: Library Assignment/Study Practical & demonstration –II, Textile Industry visits PSSGL and summer internship 30 days

Weekly work load in Hrs.

Theory = 17, Practical's =12, Tutorials =06, Total =35, Total Credits =24

THIRD YEAR

Semester –V

Textile Testing –I, Yarn mfg Technology-I, Fabric mfg Technology, Garment mfg Technology –I, Technical Textiles –I, Wet processing –I
Compulsory Workshop: Library assignment/ Seminar and Demonstration –I (Specialization)
Weekly work load in Hrs.

Theory = 18, Practical's =14, Tutorials =02, Total =34, Total Credits =26

Semester –VI

Textile Testing –II, Yarn mfg Technology-II, Fabric mfg Technology –II, Garment mfg Technology-II, Technical Textiles –II, Wet processing –II, Textile Technology and mfg process –II
Compulsory Workshop: Library assignment Seminar and Demonstration –II
Weekly work load in Hrs.

Theory = 15, Practical's =18, Tutorials =02, Total =35, Total Credits =25

FORTH YEAR

Semester –VII

6 months in plant training in specialization:

Specialization in spinning, Specialization weaving, Specialization in garmenting, Specialization Knitting, Specialization in Man-made fibre filaments and blends, Specialization in chemical wet processing, Specialization in technical Textiles, Specialization in Textile Engineering

Semester –VIII

Supply chain management, Industrial management, Total quality management, Specialization in spinning, Specialization weaving, Specialization in garmenting, Specialization Knitting, Specialization in Man-made fibres and blends, Specialization in chemical wet processing
Weekly work load in Hrs.

Theory = 17, Practical's =12, Tutorials =04, Total =33, Total Credits =23



CORE STRENGTH

- 1) Modern Textile Industry participation in Engineering education at CTF MPSTME MPTP CAMPUS.
- 2) Curriculum is developed by senior academicians in association with Technical personnel's from major Textile Industry with emphasis on practical's and Training is different specialization in IDP / UDP.
- 3) Modern Technology Production Floor with class rooms for practical's demonstration in Spinning, Weaving, Knitting, Garmenting and Wet Processing of fibers, yarns and fabrics.
- 4) Industry-Institute linkage program is implemented with support of local PSSGL group of Industries and other Major Textile Industries Viz Alok, Welspun, Raymonds, Maral, Pratibha, Century etc.



HIGHLIGHTS

Textile Industry is second largest Industry in the country needs huge no of Technical personnel and Technology managers to support automation, large scale mfg. process in Engineering Industry.

- It has world class infrastructure with top class Technicians from Industry mentoring students for the Industry useful works.
- PSSGL group of Industries with most modern Technology is participating in Engineering education for practical exposure and internship programs leading to skills as required in Textile Industry.
- Web – based Black Board Learning Management System in Teaching and Learning.
- Value added training programs in collaboration with Industry and reputed institutes.
- Well equipped Labs, Research and Innovation centers.
- Highly qualified and experienced faculty with extensive publication record.
- Class rooms have been established on the production floor with concept to develop need based learning with Industry support during practical exposure visits.
- See and learn and work and learn concept is adopted to give emphasis on practical work in the present Technology.
- Students are facilitated to work out IDP/UDP in collaboration with major Textile Industry in the country to develop skills as required in different segment of the Industry Viz, Spinning, Weaving, Garmenting, Knitting and chemical processing Industries.
- CTF has one to one tie-up with major Textile Industries Viz Alok, Welspun, Raymond's, Bombay Dyeing and mfg, Maral, Pratibha Century, etc
- Unique system of dual internships consisting of Technical Internship program (TIP) & Management Internship program (MIP) makes the students industry ready with 10 months of work experience before graduation.
- To develop multi tasking abilities in Technical personnel's application of IT and allied skills in textile Industries is major program that is being developed jointly in collaboration with Industry for which Mukesh Patel Technology park has following facilities.



Industry-Institute linkage program

CTF & PSSGL group of Industries have signed MOU for the practical exposure visits to their Industries and support to staff of CTF in conducting practicals and mentoring students regularly during the course curriculum.

Mentoring

Human Capital Development for the Textile Industry is initiated in CTF by adopting mentoring concept during internship. Dedicated Industry mentors are appointed by the various Textile Industries during internship training. All the students are made to work for Industry useful project work leading to develop ability to work under Technical persons on the production floor in the present Industries. Following Industries support 6 months Internship program with dedicated mentors.



Alok Industries Ltd.

- Spinning Div. - Mr. Sapan Mukharjee CEO
- Weaving Div. - Mr. Rajendra Maid VP
- Garment Div. - Mr. Romi Agrawal CEO
- Chemical Processing - Mr. Premendra Gopal VP
- Knit Processing - Mr. S.M. Jagtap VP



Welspun India Ltd., Vapi

- Mr. Sachin Kulkarni VP (Spg. & Wvg.)
- Welspun India Ltd., Anjar
- Mr. S. S. Aich - Director Operation



Pratibha Syntex Ltd.

- Mr. Aditya Goyal - CEO



Century Denim Ltd.

- Khemisra CEO



Raymond Ltd.

- Mr. Harish Chatterjee - W.D.
- Mr. Snketn Sana - W.D.



Valiant Glass Work Pvt. Ltd., Boisar

- Mr. Pradip Pachariwal - Promoter



BRFL Islampur

- Mr. Devesh Khushwaha - GM Operation



PSSGL

- Mr. T.V.M. Rao - VP (Spinning)
- Mr. L.C. Patil - GM (Weaving - Dessan Tex Fab.)
- Mr. Raveeswaran (Processing)
- Mr. M. Pallani - GM (Garment)



Banswara Syntex, Surat

- Mr. Nailesh G. Joshi - VP



GHCL, Bhilad

- Mr. P.A. Bhatt - VP (Operations)
- Mr. Jitendra Kadam - GM



Maral Overseas Limited

Maral Overseas Ltd., Khargone

- Mr. Surendra Dalal - GM
- Mr. Ashok Aakade - QC Head

Spentex Industries Limited

Spentex Industries Ltd., Baramati

- Mr. Rajashekhar Police Patil - VP



The Ruby Mills Ltd.

Ruby Mills Ltd., Khopoli

- Mr. Madan Ingle - Sr. Manager HR

Campus placement : Since its inception in 2007 three batches of Diploma and Post Graduate Diploma students approximately 200 are employed in Textile Industries. Following are Top Recruiters from Textiles Industries in India.



FEES STRUCTURE

B.Tech Textile Technology

Rs. 1,20,000/- Per year

PLACEMENTS

First three batches of CTF in DTT and PGTWP are employed in the campus placement in Major Textile Industry PSSGL, Alok Welspun, Raymonds, Maral, Pratibha Syntax, Bombay Rayon, Mafatlal Century, Arvind etc.



- 200 KM away from Indore, Aurangabad, Nashik & Surat.
- Well connected by road through Mumbai – Agra National Highway (NH-3).
- Amalner, Bhusawal & Jalgaon are nearest Railway Stations.
- Nearest Airports - Indore and Aurangabad.

SVKM'S

Narsee Monjee Institute of Management Studies

(Deemed to be University)

**Mukesh Patel School of Technology Management & Engineering
Center for Textile Functions**

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MPSTME - MUMBAI



SHIRPUR



MUMBAI



HYDERABAD

BENGALURU

