

# Department of **KNITTING**



## Introduction

Established in 2010, the department of Knitting is an independent department that focuses its activities on the training of fabric engineers. Every effort is being made to equip students with ample knowledge of knitting techniques. The teaching activities are carried out by well-qualified and dedicated faculty members having industrial experience. Students are given extensive practical training to augment their theoretical knowledge. Regular industrial visits familiarize the students with the industrial environment. Department of Knitting also provides testing and consultancy services to industry in addition to the normal teaching assignment. Research and development projects are also carried out for different sectors of textile industry. Interloop Hosiery, Masood Textile Mills, Style Textiles, Kay & Emms and Kalash are few to mention who are our strength as industry collaborators.

## Major Apparatus & Equipment

Compression Knitting Machine  
 Interlock Knitting Machine Dia 26"  
 Rib Machine Dia 20"  
 Jacquard Single Jersey Dia 26"  
 Single Jersey Dia 30"  
 Socks Knitting Double Cylinder 72" width  
 Sample Knitting (E20)  
 Braiding Machine  
 Hand Flat Knitting Machine (E7)  
 Hand Flat Knitting (E12)  
 Socks Knitting Single Cylinder Dia 4"

## Research Areas

- > Knit Fabric Structures and Design
- > Machine Modifications
- > Knitted Gloves
- > Socks
- > Protective Textiles
- > Composites

## Software

- > CC4II Programming Module (Compression Knitting Machine)
- > Starfish
- > WISETEX
- > Computer Aided Design (CAD)



## National Textile University



## Interactive session on entrepreneurship

Society of Textile Knitters arranged an interactive session on entrepreneurship on 9th April 2019 in Knitting IT lab of NTU. Rana Sohail CEO of Shan Associates who is graduated from National Textile University, Faisalabad was the guest speaker. He let students know about his success story and guide them how to start new business. Students ask him different questions regarding new business ideas and startup.



## NTU Jacquard Designed Muflers

Department of Knitting developed “Knitted Muflers” in their Knitting Lab on electronic jacquard flat bed knitting machine. These muflers are developed by knitting faculty and lab staff on which NTU monogram is written by jacquard designing technique. APEX software for from shima siekhi is used for jacquard designing.



## HEC Research Project

Higher Education Commission (HEC) has approved project of Dr. Hafsa Jamshaid, Chairperson Knitting department, titled “Development of Comfortable Compression Socks for Treatment of Varicose Veins or Chronic Venous Disease In Legs” at total cost of Rs. 6.203 Million

## NTU students display their projects in

## “8th Invention to Innovation Summit Punjab 2019”

## and students from knitting department won SATHA International Award

Students of NTU from Knitting, Weaving and Design Department participated and display their projects in 8th Invention to Innovation Summit Punjab 2019 held in Punjab University, Lahore. Vice Chancellor Punjab University Prof. Dr. Niaz Ahmad Akhtar (Ex Rector NTU) and many other guests from different institutes visit the stall and appreciate the work of students.

NTU student of 4th semester Knitting Mr. Muhammad Saqlain Akhtar and 6th Semester student Ms. Aiman Arooj presented their research work in session Technologies for Textile and Leather.

Following NTU knitting students won the SATHA innovation award during the event: - Ms. Aiman Arooj (Project Leader), Ms. Maria Latif and Mr. Ammar Tariq Cheema students from 6th semester of knitting won award for their project of title “Compression Bandage for Hypertrophic scars”. Mr. Muhammad Saqlain Akhtar and Mr. Anas Ashiq students from 4th semester of knitting won award for their project of title “Bandage for burnt wounds”. SATHA Award is established to award those heroes who contribute exceptionally in their respective fields. SATHA Innovation Award is an international award by South Asia Triple Helix Association as Part of International Triple Helix Association. SATHA Award is given at annual dinner of each summit. SATHA Innovation Awards are given for Development by Academia, Industry, Public and Social Sector. This is proud of Knitting department and NTU to won this



## Industrial Advisory Board, knitting Department

The Department of knitting is an independent department that focuses its activities on the training of fabric engineers. Every effort is being made to equip students with ample knowledge of knitting techniques. So, for the improvement of knitting students, knitting department is developed the knitting advisory board. The main purpose of this board was to gather all executives from different industries on one table for strengthen the industry-academia linkage. Dr Nabeel Amin (Consultant Kay & Emms), Mr. Saqib Nisar (CEO SOCKOYE), Dr. Mushtaq Mangat (Director Moderno), Mr. Waseem Irfan (DGM Style Textile), Mr. Khawaja Musharaf (CEO K.M. Ashraf & Sons), Mr. Yasir Rasool (DGM Outso) and all faculty member under the supervision of Dr. Hafsa Jamshaid attend the meeting on 20/06/2019 in knitting department meeting room. Mr. Usman Ahmed (Lecturer) presented presentation to all executives from industry and highlighted the problems that were needed to discuss. The main agenda of meeting was as follow:

Improvement in course specification

Improvement in Lab particles

Interchange courses of semesters



## Donation of Warp Knitting Machine by Chaudhary Industries

In a recent meeting between Dr. Hafsa Jamshaid and Mr. Asim Chaudhary the owner of a warp knitting mill, Chaudhary Industries, both were agreed for mutual collaboration to promote knitting industry of Pakistan. To strengthen their collaboration and knitting department of NTU, he has donated a warp knitting machine to Knitting department of NTU. Warp knitting machine will help students for learning the warp knitting technology in depth. It has 42" width and 4 guide bars can be used for sample development and best for faculty to teach warp knitting to their students.



## Knitting department in collaboration with PHMA presented their products in Texpo at Expo center Lahore

Knitting department in collaboration with PHMA presented their products in Texpo at Expo center Lahore. A team from knitting department which included Mr. Ali Raza and Mr. Usman Ahmed along with students participated in exhibition. Above 300 companies hailing from 15 different countries exhibited their products and latest technology in the Texpo. Textile products along with detail of services which DOK provides to knitting industry were displayed in stall.



## Study Tour to OUTSO

Department of Knitting arranged a tour for their Final Year students to Outso Wearables (Pvt.) Ltd. Lahore. Outso AB is one-stop supplier of corporate & fashion textiles to distributors, advertising companies & fashion retailers in Europe. Starting from design concept to the finished products at doorstep, Outso offers the whole supply chain solution for a wide range of textile products. Mr. Muhammad Bilal the CEO of Outso is graduated from NTU, talks to students regarding his success story and guide them about his industry and different process of textiles.



For any query please contact

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For  
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