2nd All Pakistan DICE-Textile 2017
Event Report
held on

March 28-29, 2017
(Tuesday-Wednesday)

National Textile University
Faisalabad

Introduction

DICE Textile is a focused strategic initiative of DICE Foundation USA, led by National Textile University (NTU) Faisalabad in close collaboration with consortium universities, textile Industry, and government. The major objectives of DICE Textile platform are: to grow indigenous textile industry in Pakistan by providing a common platform for Academia, Textile Industry, Government and Expatriates to promote and collaborate on innovations related to textile sector, commercialization of innovations, textile engineering capacity building leveraging knowledge of expatriates around the world, providing access to Pakistan textile industry to international markets leveraging extensive expatriate network and to help Government of Pakistan in textile policy making.

Objectives of DICE-Textile

- To foster culture of Innovation and Entrepreneurship in the country and make it part of Nation's DNA.
- To establish a strong linkage b/w academia and textile Industry and provide a common platform for academia, industry, government, entrepreneurs and expatriates to interact, share knowledge and collaborate on innovations and commercialization, in order to grow the indigenous textile industry in the country.
- To create a positive and favorable image of Pakistan Textile industry in the eyes of international community – i.e. country fully capable of developing innovative textile products for domestic market as well as for rest of the world.
- To expedite the process of technology revolution in Pakistan by motivating both academia and industry to acquire, promote and utilize state-of-art technologies/high-tech software for the rapid development of innovative textile products.

Steering Committee

Patron:	Dr. Tanveer Hussain, Rector NTU
Co-Patron:	Dr. Khursheed Qurashi, President Dice Foundation, USA
Chairperson Dice Textile	Dr. Yasir Nawab, NTU, Faisalabad
Chairperson-Academia:	Dr. Zulfiqar Ali, NTU, Faisalabad
Co-Chairperson-Academia:	Dr. Abher Rashid, NTU, Faisalabad
Co-Chairperson-Academia:	Dr. Salma Farooq,NEDUET, Karachi
Co-Chairperson-Academia:	Dr. Mazhar Hussain Peerzada, MUET, Jamshoro
Co-Chairperson-Academia:	Dr. Syed Zameer Ul Hassan, BUITEMS, Quetta
Chairperson-Industry:	Mr. Ahmad Shafi, Executive Director Crextex , Faisalabad
Chair Dice Textile USA:	Mr. Farrukh Navaid, USA
Chief Organizer:	Mr. Muzzamal Hussain, NTU, Faisalabad
Chief Coordinator:	Mr. Habib Awais, NTU, Faisalabad

Organizing Committees

1.	**Mr. Haritham Khan** (Deptt. of Knitting Department)	Convener (Inauguration & Closing Ceremony)
2.	**Dr. Zafar Javed** (Registrar)	Convener (Dice Shark)
3.	**Dr. Ahsan Nazir** (Director ORIC)	Convener (Panel Discussion/National Innovation Basket)
4.	**Dr. Abher Rasheed** (Department of Garment Manufacturing)	Convener (Accommodation & Transportation)
5.	**Mr. Umar Nazir** (Department of Weaving)	Convener (Printing)
6.	**Mr. Umar Nazir** (Department of Weaving)	Convener (Refreshment)
7.	**Dr. Talha Hamdani** (Department of Weaving)	Convener (Media & Publication)
8.	**Mr. Muhammad Zohaib Fazal** (Department of Weaving)	Convener (Shields & Certificates)

Project Evaluation Jury

Convener	Mazhar Naseem Virk Home Pellets
Member:	Dr. Khayle Jan BZU, CTE, Multan
Member:	Dr. Sami ud Din NESCOM
Member	Mr. Muhammad Hasnain Pakistan Science Foundation
Member:	Dr. Sheraz Ahmad National Textile University, Faisalabad

Title Sponsors

Platinum Sponsors

Diamond Sponsors

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Media Partners

Industrial Associations Participation

Academic Exhibitors

Sr. No.	Univeristy Logo.	Exhibitor / University Name
1		National Textile University, Faisalabad
2		University of Gujrat, Gujrat
3		BZU, College of Textile Engineering, Multan
4		University of Veterinary & Animal Sciences, Lahore
5		Balochistan University of Information Technology, Engineering and Management Sciences
6		Government College Women University, Faisalabad
7		University of Management & Technology, Lahore
8		Government College University, Faisalabad.
9		Institute of Space Technology, Islamabad
10		Mehran University of Engineering & Technology, Jamshoro

11		NED University of Engineering & Technology, Karachi
12		University of Agriculture, Faisalabad
13		Hazara University, Mansehra
14		University of the Punjab, Lahore
15		Fatima Jinnah Women University, Rawalpindi
16		University of Karachi, Karachi
17		Iqra National University, Peshawar
18		Lahore College for Women University, Lahore
19		University of Central Punjab, Lahore

20		Indus University, Karachi
21		National University of Computer and Emerging Sciences, Faisalabad
22		Shaheed Benazir Bhutto Women University, Peshawar
23		University of Engineering and Technology, Taxila
24		University of Engineering and Technology, Lahore, Faisalabad Campus
25		University of Azad Jammu & Kashmir, Muzaffarabad

Activities Detail

2nd All Pakistan NTU Dice Textile 2017

March 28, 29 2017, at National Textile University, Faisalabad

For contact: muzzamal313@gmail.com, 0334-1363636

PROGRAMME		
28-03-2017 (Tuesday)		
1.	Inauguration Ceremony	11:30-12:30
	Recitation (Holy Quran)/National Anthem	11:30:11:40
	Opening Remarks	11:40-11:45
	Welcome Note 1	11:45-11:50
	Welcome Note 2	11:50-11:55
	President Dice Foundation USA	11:55-12:00
	President FCCI	12:00-12:05
	President SCCI	12:05-12:10
	Address by Chief Guest	12:10-12:25
	Presentation of Souvenirs	12:25-12:40
2.	VIP round of Innovation exhibition	12:40-13:30
3.	*Dice Sharks	14:10-16:00
	Concept/Introduction	14:10-14:20
	Presentations/Discussions	14:20-17:00
4.	*Social evening (Regional dance, Mimes, Music) /Dinner	19:00 - 21:30
29-03-2017 (Wednesday)		
1	Opening	09:00
2	2nd round of jury	10:00 -12:00
3	Prayer/Lunch	13:30 - 14:10
4	National Innovation Basket	14:00-16:00
5	Closing Ceremony	16:00-17:00

Prominent Industrialists visit at Event

Name	Designation	Name of Industry / Institution
Mr. Shahzad A. Sheikh	Director	Arshad Group, Faisalabad
Mian Muhammad Latif	Chief Executive	Chenab Ltd, Faisalabad.
Ch. Muhammad Nawaz	Ex.President	Faisalabad Chamber of Commerce & Industry
Sh.Muhammad Saeed Ahmad	President	Faisalabad Chamber of Commerce & Industry
Mr. Ahmad Shafi	Executive Director	Crescent Textile Mills
Syed Alam Dar Hussain	CEO	Fashion & Trends
Syed Ahtesham Mazhar	Ex.Vice President	Sialkot Chamber of Commerce & Industry
Dr.Khurram Khawaja	CEO	Anwar Khawaja Industries, Sialkot
Mr.Mujeeb Ullah Khan	CEO	I-Textiles
Mr. Mufeez ur Rehman	Sr.Director	Nizam Sons (Pvt) Ltd, Sialkot
Mr. Shahid Khan	CEO	Lakson Group
Mr.Saad Elahi	Chair	DICE Automotive
Ch. Waheed Khaliq Ramay	Chairman	Council of Looms Owner Association
Mr Rizwan Ahmad	Prod.Director	Nizam Sons (Pvt) Ltd, Sialkot
Dr.Khurram Tariq	CEO	Kay & Emms
Khawaja Javed Ahmad	Chief Executive	Khawaja Sons

Engr. Ahmad Hassan	VP FCCI/CEO	Chenab Engineering Limited
Rao Sikander e Azam	SVP	Faisalabad Chamber of Commerce & Industry
Mr.Kashif Zia	Director	Lahore Fashions
Mr. Muhmmad Ayub Sabir	Chief Executive	Yousaf Dyes & Chemicals
Mr.Aziz Ahmad	Chief Executive	Haizum Hi-Tech
Mr. Mazhar Naseem Virk	CEO	Home Pellets
Sh. Rashid Munir	Chief Executive	Munir Group
Mr. Obaid Ashraf Khan	CEO	Fatima Fashion's New York
Mr. Gohar Ayoub	Director	Gohar Textiles
Rana Sohail Ahmad	CEO	Shan Associates
Haji Masood Akhtar Hameed	General Manager	Rahim Bakhsh Group of Companies
Mr. Kashif Javed	General Manager	Niagara Mills (Pvt) Ltd
Syed Zakir Hussain	General Manager	Style Textile (Pvt) Limited
Mr. Umair Ahmad	General Manager	Feroz Mills Limited
Mr. Sarfraz Ali Ishaq	General Manager Production	Power Chemical Industries (Pvt) Ltd
Mr. Muhammad Nadeem Raza	Plant Manager	IhSan Sons (Pvt) LTd
Mian Rashid Mahmood	Project Manager	US Denim Mill (Pvt) Ltd
Mr. Mohsin Latif Khetran	Deputy Manager	National Transmission & Dispatch Co.

Mr. Yaser Riaz	DGM	Interloop Limited
Mr. Atiq-ur-Rehman	Chartered Accountant	Niagara Mills (Pvt) Ltd
Mr. Tahir Rehman	Secretary	Pakistan Hosiery Manufacturers & Exporters Association
Mr. Waqar Naimat	Sr. Vice President	Crescent Bahuman
Mr. Sohail Maqbool	Asst. Vice President	Crescent Textile Mills Limited
Mr. Yousaf Fareed	Editor in Chief	TEX-Talks
Mian Babar Ali	Executive Member	United Mahr Int, Co
Mr. Muhammad Awais Abubakar	Sr. Deputy Managing Marketing	Crescent Textile Mills Limited
Mr. Muhammad Imran Sabir	Area Manager	Pulcra Chemicals
Mr. Muhammad Asif	Business Manager	Lord's Inn hotel
Mr. Ghulam Mustafa Baig	Manager Tech& Marketing	Power Chemical Industries (Pvt) Ltd
Mr. Zaheer Babar	Managing Marketing	BWM BIBO jee
Mr. Kashif Hameed	Marketing &Management	Karim Label Industries
Mr. Sheraz Baig	Marketing Manager	World Chem
Mr. Imran Hamid	Sales & Marketing Engineers	Techno World Instrument Service
Mr. Abdul Wahab	Deputy Manager	Interloop Limited

Projects Displayed

University/Industry	Title
Bahauddin Zakariya University College of Textile Engineering Multan Pakistan	Incorporation of natural antimicrobial agents in Needless Electro spun nanofibers
Bahauddin Zakariya University, College of Textile Engineering Multan	Novel Mechanism for the Production of Continuous Twisted Nano Fiber Yarns
Bahauddin Zakariya University, College of Textile Engineering, Multan	Development of Polymeric Electrospun Nanofiberous Membranes For Various Applications.
BUITEMS, Quetta.	Human Machine Interface glove utilizing Textronics.
Fatima Jinnah Women University, Rawalpindi	Implementation of Textiles Techniques in Manufacturing Eco-friendly Products
Fatima Jinnah Women University, Rawalpindi	" I never thought it was such a bad little tree. Its not bad at all, REALLY. May be it just needs a little LOVE. "
Fatima Jinnah Women University, Rawalpindi	Textiles Sculpture Poetry of Ahmad Faraz.... Dil Bhi Pagal Haa Ky Us Sy Wabasta Haa, Ju Kisi Or Kaa Hoony Dy, Naa Apna Rakhy...
GC Women University, Faisalabad.	Auto-BoteX
Haizum Hi-Tech Textiles, Kot Abdul Malik	Development of wearable monitoring system for sports
Hazara University, Mansehra	Sufizam
Indus University, Karachi, Karachi.	Sizing on Banana Starch
Indus University, Karachi, Karachi.	Processing of cotton fabric with the extract of Multifunctional Marigold Flower using Ultrasonic technique in comparison with Conventional method
Indus University, Karachi,	Dyeing of Polyester with Vat Dyes using

Karachi.	Ultrasonic Technique
Indus University, Karachi, Karachi.	Dyeing of Cotton fabric with Natural Dye Extracted from Diakon leaves
Indus University, Karachi, Karachi.	Implementation of Eco-Friendly Indigo Dye Reduction with Application of Blueberry Sludge.
Indus University, Karachi, Karachi.	Blade Singeing
Iqra National University, Peshawar	Another word for paradise "BIRD"
Iqra National University, Peshawar	Seven
Iqra National University, Peshawar	The Saintly Aura
Lahore College for Women University, Lahore	Textile base project (fashion/ home)
Lahore College for Women University, Lahore	ethical textile production(home/fashion)
Mehran University of Engineering and Technology, Jamshoro	Microencapsulated particles developed for making cotton textiles 100% mosquito repellent with antibacterial characteristics
Mehran University of Engineering and Technology Jamshoro	Polluted gasoline identification by electrospun nanofibrous mats
National Textile University, Faisalabad	Production of Bio-plastics: A future Textiles
National Textile University, Faisalabad	Heating Textile
National Textile University, Faisalabad	Development of sustainable antibacterial cotton fabric
National Textile University, Faisalabad	Development of multifunctional artificial leather
National Textile University, Faisalabad	Textile Based Pressure Sensing Structures
National Textile University, Faisalabad	Development of thermoregulating compression sleeves.
National Textile University, Faisalabad	Manufacturing of ball fibres
National Textile University, Faisalabad	Development of low cost and comfortable fire fighters uniform

National Textile University, Faisalabad	Chemica recycling of PET
National Textile University, Faisalabad	Thermochromic smart textile
National Textile University, Faisalabad	Development and Characterization of multi-functional composite fibers for wound care applications.
National Textile University, Faisalabad	Development of Spacer Fabric On Hand Loom
National Textile University, Faisalabad	Production of a bio-plastic: a future textile material
National Textile University, Faisalabad	A robust method for nano-silver impregnated antibacterial fabrics
National Textile University, Faisalabad	Optimization in the development of oleo-hydrophobic fabric: a self-cleaning surface
National Textile University, Faisalabad	WeavePro
National Textile University, Faisalabad	Designing a Running Mannequin for sportswear applications
National Textile University, Faisalabad	Concentrated Solar Panel
National Textile University, Faisalabad	H Shape Composits based Bridge prototype
National Textile University, Faisalabad	Location Based Coordination System (LBCS)
National Textile University, Faisalabad	Shape Weaving By using Hand Loom
National Textile University, Faisalabad	Fire retarding Multifunctional robot
National Textile University, Faisalabad	Android Application For Knitting Calculation
National Textile University, Faisalabad	Development of eco-friendly, energy efficient, indigenous sizing machine
National Textile University, Faisalabad	Increase the hydrophilic properties of polyester fabric
National Textile University, Faisalabad	Impact response of composite with natural fiber based Auxatic inclusions

National Textile University, Faisalabad	2D woven auxetic fabric for advance applications.
National Textile University, Faisalabad	Graphene coated textiles for electronics applications
National Textile University, Faisalabad	Banana Fibre Extraction Machine
National Textile University, Faisalabad	To implement lean tools in a glove manufacturing unit
National Textile University, Faisalabad	Shape Memory Polymers and their Composite for Structural Applications
NED University of Engineering & Technology, Karachi	Textile Sensors for Biomedical Applications
NED University of Engineering & Technology, Karachi	Design Innovation
NED University of Engineering & Technology, Karachi	Study of Cooling Cylinders of Wet Processing Unit and Modification of a Condensate Recovery System.
NED University of Engineering & Technology, Karachi	Optimisation of Thermally Insulating Textile Materials.
NED University of Engineering & Technology, Karachi	Preparation and Characterization of Printed Electronic Textile Assemblies
NED University of Engineering & Technology, Karachi	Prediction of Air Permeability of Textile Structures by using Computational Method
NED University of Engineering & Technology, Karachi	To design absorbency measuring device to determine size pick up and integrate it with machine standard operations.
NED University of Engineering & Technology, Karachi	Designing, development and comparative analysis of different varieties of seat belts.
Nishat Dyeing and Finishing /National Textile University	Development of Near Infra-red Camouflage Fabric for Security Forces
UCP Faisalabad Campus	Android Based Application for Textile Industry
University of Agriculture Faisalabad	Development of Sisal Decorticator
University of Agriculture Faisalabad	Optimization of Ginning Machinery in Cotton Ginning SMEs of Pakistan
University of Agriculture	Effective direct dyeing method of cellulosic

Faisalabad	materials by using microwave irradiation.
University of Gujrat, Gujrat	Wall panel: design inspired by cancer cells patterns
University of Gujrat, Gujrat	Indo-pak movement / migration
University of Gujrat, Gujrat	Rococo Mahogany
University of Gujrat, Gujrat	MUSH-ROBE
University of Gujrat, Gujrat	Mathematics and home decor
University of Management and Technology, Lahore	Warq-ul-kadeem
University of Veterinary & Animal Sciences, Lahore	DAS Divergent Airbag Suit
University of Veterinary & Animal Sciences, Lahore	Better world
University of Veterinary & Animal Sciences, Lahore	Textile process improvement
University of Veterinary & Animal Sciences, Lahore	Bend and Trend
University of Veterinary & Animal Sciences, Lahore	Improved Fabric Defect Detection and Pattern Classification using Raspberry PI
University of Veterinary & Animal Sciences, Lahore	Modeling of Fully-Fashioned knitted fabric through CAD simulation to study original sample using different yarns
University of Veterinary & Animal Sciences, Lahore	Bend the Trend

Winning Projects Result Detail

Sr.No.	Project Title	Name of Winning Scholar	Position	Prize Money
1	Novel Mechanism for the Production of Continuous Twisted Nano Fiber Yarns	**Dr. Abdul Waqar Rajput** Bahauddin Zakariya University, College of Textile Engineering Multan	1st	Rs. 100,000/-
2	Human Machine Interface glove utilizing Textronics.	**Mr. Surjeet Kumar** BUITEMS, Quetta	2nd	Rs. 60,000/-
3	Development of sustainable antibacterial cotton fabric	**Ms. Aisha Rehman** National Textile University, Faisalabad	3rd	Rs. 40,000/-

Ten Projects CresTex Inovation Award

Sponsored By: ***(CresTex)***

Position	Title	University	Lead Person	Prize
1	Development of Sisal Decorticator	University of Agriculture Faisalabad	Dr. Assad Farooq	20000/-
2	Development of wearable monitoring system for sports	Haizum Hi-Tech Textiles, Kot Abdul Malik	Mr. Nauman Ali	20000/-
3	Auto-BoteX	GC Women University,Fsd	Ms. Zaib-un-Nisa	20000/-
4	Polluted gasoline identification by electrospun nanofibrous mats	Mehran University of Engineering and Technology Jamshoro	Mr. Shamshad Ali	20000/-
5	Development of Light Weight Ballistic Protection	National Textile University, Faisalabad	Mr. Haritham Khan	20000/-

	Vest			
6	Design and Development in Muzaffar Abad	University of AJK	Mr. Khawaja Amir	20000/-
7	Study of Cooling Cylinders of Wet Processing Unit and Modification of a Condensate Recovery System.	NED University of Engineering & Technology, Karachi	Mr. Maryam Kamran	20000/-
8	Dyeing of Cotton fabric with Natural Dye Extracted from Diakon leaves	Indus University, Karachi, Karachi.	Mr. Ahsan Hussain Jilani	20000/-
9	Sufizam	Hazara University, Mansehra	Mr. Immama Khan	20000/-
10	Bend and Trend	University of Veterinay & Animal Sciences, Lahore	Mr. Hassan Ijaz	20000/-

10 Projects Fatima Fashions Innovation Award

Sponsored By: ***Fatima Fashions***

Position	Title	University	Lead Person	Prize
1	Juvenile life	National Textile University, Faisalabad	Gohar Ali	20000/-
2	Implementation of Textiles Techniques in Manufacturing Eco-friendly Products	Fatima Jinnah Women University	Hajrah Janjua	20000/-
3	Textile base project (fashion/ home)	Lahore College for Women University	Wareesha Maryam	20000/-
4	MUSH-ROBE	University of Gujrat	FAIZA ANSARI	20000/-

5	Seven	Iqra National University, Peshawar,	Shah Hamid	20000/-
6	Fusion of Chitralli Culture	Shaheed Benazir Bhutto Women University, Peshwar	Saima Gohar	20000/-
7	Re Living The Art Work	GC University, Faisalabad	Hassan Raza	20000/-
8	Pret wear	UMT, Lahore	Usman Ahmed	20000/-
9	Young, Wild & Free	National Textile University, Faisalabad	Mishaal Mazhar	20000/-
10	Architecture	National Textile University, Faisalabad	Bakhtawar Mohsin	20000/-

INTERLOOP LIMITED

Interloop Limited, is one of the world's largest Hosiery manufacturers; a complete vertically integrated company with state-of-the-art spinning, yarn dyeing, knitting and finishing facilities. With over 4,000 latest Italian knitting machines, 15,000 employees and an organizational network spread across 3 continents, Interloop has the proficiency to work with different materials and make a wide range of products.

From scratch to becoming a US$ 250 million company, Interloop produces more than Half a Billion pairs of socks annually at 5 Hosiery Manufacturing Divisions located in Pakistan, Bangladesh and Sri Lanka, for top International Brands & Retailers.

Interloop's mission and reason for existence is to bring about a positive change in the community. To pursue this cause, Interloop has invested approximately US$ 6.7 million in the community during the last 6 years. Its main areas of focus include EDUCATION, HEALTH, SPORTS and DISASTER RELIEF. It has long term KPIs and every year a CSR spending target is fixed and implemented through an organized system.

Mission:
To be an agent of positive change for the stakeholders and community by pursuing an ethical and sustainable business

Vision 2020:
To double our turnover by 2020 through value addition, process improvement and nourishing talent.

Our Values are I-Care:

Integrity: Act with Integrity
Care: Nurturing a Caring Culture
Accountability: Accept Responsibility, Be Accountable

Respect: Respect for Environment, Respect for the People
Excellence: Achieving the Highest Standards

Vertical Sampling Facility

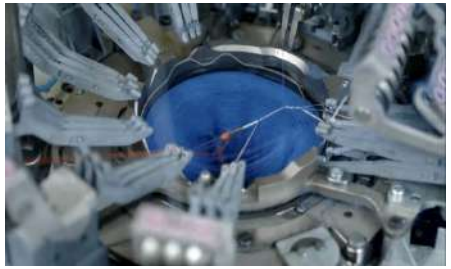
A significant factor in Interloop's growth is its ability to anticipate changes in technology, industry standards and customer preferences and to successfully develop new products in time. Established in 2004 as a section with 4 knitting machines to fulfill the business needs of the time, Product Development (PD) Department evolved as a complete Vertical Sampling Facility in 2014; comprising of a **Yarn library, Yarn dyeing machines, Knitting machines and linking to finishing capability to develop premium quality products per customer specifications.**

Product Development Department

Product Development's core responsibilities include; understanding customer requirements, development of product as per customer needs, recording parameters for costing and bulk execution and improving processes. Its main achievements include; business growth with key customers, addition of new business line of Tights & Leggings and successful development of infant and soccer socks.

Quality Assurance Department

Interloop is a "Customer Driven" organization therefore, the purpose of QAD's creation in 1997 was to prevent mistakes and defects in manufactured products and to avoid problems when delivering solutions or services to customers. The main responsibility areas of QAD includes, product development labs, knit to pack inline control, lab testing, accessories inspection, final inspections and quality engineering function.



QAD has a VSF & Lab Testing Section which assists Interloop's valued customers in their testing conformity, it has four product & raw material testing labs; a central development lab which is located in VSF for testing of new developments and other three for product testing. Out of these four, three labs are ISO/IEC 17025:2005 accredited from PNAC (Pakistan National Accreditation Council). Marching ahead from testing activities, establishment of the

state of the art ISO/IEC 17025:2005 accredited calibration lab in HD-I is in its development phase. Interloop has in-house Lab Certifications from its renowned customers H&M and C&A. development phase.

Research & Innovation Center

Research & Innovation Center is a state of the art research facility with capability to produce finished socks from raw materials under one roof. A dedicated, highly skilled, dexterous and seasoned team of professionals is continuously working to ensure that it remains the best research based Hosiery manufacturer on the globe. R&I team consists of Yarns Specialists, Knitting Experts, Processing Leaders, Product Developers and Designers.

R&I center has made significant achievements in all of these areas of work. Over the past few years more than 50 different concepts have been released for marketing, five patent applications are at different stages of the approval process, two being already granted by the U.S patent office; Arikool and Toe-Box patent.

Awards & Recognition


Interloop has been recognised all over the globe for instituting sustainable practices for its people and operations. Out of around 1000 global suppliers, Interloop was conferred the PEOPLE award by adidas in 2016, based on its Corporate Social Responsibility and Employee Welfare Initiatives. Interloop won the Global Supplier Best in Quality Award from C & A for 2016-17 for meeting or exceeding a set of quality performance criteria though out the year. Interloop secured the distinction of becoming the 1st ever Company in Pakistan to be awarded the Corporate Certificate of CIPS by the Chartered Institute of Procurement & Supply, UK after measuring Interloop's procurement functions against world-class standards. In recognition of Interloop's efforts towards Triple Bottom Line Sustaina

bility, Interloop was among the 7 companies around the world awarded the Sustainability Innovation Award 2015 by Business School Lousanne, Switzerland.

Picture Gallery

Opening Ceremony

Dr. Muhammad Ashraf, Chairman PSF inaugurated the event. Sh. Muhammad Saeed (FCCI), Dr. Khurram Tariq (Kay&Emms), Mr. Muhammad Amjad Khawaja (PHMA), Dr. Khurram Khawaja, Mr. Shahzad A. Sheikh, Mr. Mian Muhammad Latif, Ch. Muhammad Nawaz, Ch. Waheed Khaliq Ramy, Mr. Mujeeb Ullah Khan, Rao Sikandar e Azam, Engr. Ahmad Hassan and Mr. Ashraf Khan were also present at the eve of opening ceremony of 2nd All Pakistan Dice-Textile 2017.

Dice Sharks

Total 7 projects were approved in Dice Sharks 2017 funded by Crestex, Kay&Emms, iTextile, Arshad Group, Nizam Sons (Pvt. Ltd.), Interloop Limited and Haizum Hi-Tech amounting to Rs. 3.087 Millions.

DICE Shark

Sr #	Project Title	University/ Industry	Sponsor	Amount Approved (PKR millions)
1	Banana fiber extraction Machine	National Textile University, Faisalabad.	Interloop	0.3
2	Development of a Mannequin for Sportswear Industry	National Textile University Faisalabad	Nizam sons	0.2
3	Development of Smart Fabrics for Energy Harvesting	National Textile University Faisalabad	Haizum-Hi-Tech	0.45
4	Graphene Coated Textiles for Electronics Applications	National Textile University, Faisalabad.	iTextiles, Kay & Emms, Arshad Group, Nizam Sons	0.265
5	Manufacturing of ball fibres	National Textile University Faisalabad	CresTex, Faisalabad	0.5
6	Preparation and Characterization of Printed Electronic Textiles	NED University of Engineering & Technology, Karachi	iTextiles	0.682
7	Textile Sensors for Biomedical Applications	NED University of Engineering & Technology, Karachi	iTextiles/K & Emms	0.69
			Total	**3.087**

National Innovation Basket

There were total 6 focused groups in which industries/ Academia experts participated to discuss challenges & opportunities to figure out Textile Policy for next 10 years including short-term, medium-term and long term projects.

- **Short Term**

The short-term opportunities are ones for which no extra infrastructure or significant investment is required. Only value addition or modification of existing setup can be enough to develop new products which are the needs of market. These products are being imported now.

- **Medium Term**

The medium-term opportunities are ones for which investment is required and the market is there both local and international level. Pakistan has expertise to develop these products. Only awareness is required.

- **Long term**

Long term are those projects which need time and huge investment. These projects cannot be completed without Government support.

National Innovation Basket MoM
1- Garments Manufacturing

Opportunities

1. Doctorate program for people working in industry need to be started to strengthen research culture
2. Cheap and abundant labor is the opportunity that can still be availed
3. Area of High Performance Clothing needs to be focused
4. Utilization of highly qualified workforce in textile institutes is necessary
5. Potential to increase exports with existing set up need to be explored
6. Branding culture needs to be promoted
7. More R&D funds should be allocated for research by Government funding bodies
8. Denim Industry is performing below its potential and needs strengthening
9. Production of seamless garments is a potential area that should be focused

Issues

1. Capacity building programs for middle management and operators are not focused
2. Standardization of Stitching parameters for different materials is not available
3. Unavailability of literature in Urdu for operators/workers
4. Lack of Policy to strengthening SME's
5. Industry academia linkage should be strengthened
6. Machine parts/attachments design development culture is not popular in country
7. There should be a Garment product analysis lab to help SME's in product development
8. Lack of Knowledge in pattern making

Group Members

Sr. No	Name	Academia	Industry
1.	Dr. Abher Rasheed	NTU, Faisalabd	
2.	Mr. Aziz Ahmed		Haizum Hitech Textiles
3.	Mr. Ijaz ul Hassan		CBS
4.	Mr. Abdul Wahab		INTERLOOP LIMITED
5.	Mr. Younus		Gulellas Egypt
6.	Dr. Babar Ramzan	NTU, Faisalabd	

2- Textile Processing

Opportunities

1. **Waterless Dyeing/ EE machine**
   Plenty of water is used in textile dyeing processes which become effluent in the end. So waterless dyeing technology is an opportunity to avail
2. **Long term Recycling of water and chemicals waste water treatment**
3. **Recovery of heat**
4. **Forestry**
   To compensate the emission of carbon, Govt. should take forestry seriously to overcome environmental issues
5. **Technical Awareness**
   Training of technical and lower staff to give them awareness
6. **Value addition training**
   Training workshops on relevant areas
7. **Technical Textiles**
8. **In house manufacturing of dyes and chemicals**
9. **Multi-functionality**
   R&D on multi-functional textiles to reduce the long processes route, consumption of water and related auxiliary products
10. **High fixation of Dyes and chemicals**
    R&D on the modification and synthesis of dyes that have high capacity of fixation with fabric leaving less contaminated effluent

11. **Improvement in OEE**

    Improvement in the overall equipment efficiency to enhance the productivity of processing mills

Issues

1. **Govt. policy**

   Lack of policy regarding R&D, indigenous growth of raw materials and power generation etc.
2. **Deforestation for energy use**

   Deforestation should be discouraged in any case to bring down the environmental threat. Timber should not be allowed to use as a fuel
3. **Pollution**
4. **Lack of commercial research**
5. **Resistance to change / acceptability**

   Industrialists have issue to accept the change either in their system or management style or investment regarding R&D
6. **ZDHC/ Detox**

   ZDHC stands for Zero discharge of hazardous chemicals. This is a group leading to bring the industry for zero discharge of hazardous materials by 2020. Detox is to abstain for toxic materials.
7. **Waste water treatment**
8. **Sustainability**

   This is the major issue and almost all of above points fall under this category.
9. **Lack of R&D**

Group Members

Sr. No	Name	Academia	Industy
1.	Mr.M.Nasir	UET,Faisalabad	
2.	Dr. Mohsin	UET,Faisalabad	
3.	Mr.Awais Waris		Crestex,Faisalabad
4.	Ms.Ayesha Rehman	NTU,Faisalabad	
5.	Mr.M.Ayoub		
6.	Dr. Kashif Iqbal	NTU,Faisalabad	
7.	Mr.Ayoub Sabir		Yousuf Dyes

			&Chemicals

3- Weaving/Knitting

Opportunities

1. **Spare parts manufacturing**

   Textile machines are the assembly of mechanical parts and must replace after usage for a certain time, rather we export these parts, we can develop locally, so it's a great opportunity to avail
2. **Indigenous machine manufacturing**

   In Pakistan, Textile is mostly based on manufacturing setups, so indigenous machine development can be a great opportunity.
3. **Electrical/ electronic sports**

   Development of wearable smart textile can be boundless opportunity because these cloth marks as a highly valuable textile products
4. **Warp knit/ nonwoven**

   Warp knitting gives the highest rate of yarn to fabric conversion and Nonwovens technique is used to develop fabric directly from fiber so investment in these areas can be a great opportunity
5. **Man-made fiber**

   To help this opportunity Institution should play their role to carry research to develop Man-Made fiber
6. **Denim and towel carpet industries**

   Investment in denim and towel industries to adopt latest techniques
7. **Strategic partnership forward and back ward**

   Collaboration between different manufacturing setup of textiles can help to control effectively the demand and supply of textile products.
8. **Cluster department**

   Different manufacturing or setup should be working in a group
9. **Technical textile**

   Technical textile is a fastest growing area of textile, so working is this area will be an opportunity
10. **Non-conventional textile**

    Working on nonconventional textile, awareness should be given to avail this opportunity
11. **Business school and technical institution and industry with business feasibility**

There is a need to establish technical institutions with a business incubation center that help entrepreneur to start a new business, this will be an opportunity

12. **Value addition / Grieg fabric**

Value addition of textile product can be helpful to increase the profit. so, it's an opportunity

Issues

1. **Need skilled labors for knitting**

Shortage of skilled labour especially for knitting is a big threat

2. **Cooperation between industries**

Industries resist cooperating each other

3. **Joint forum between industries**

Unfortunately, there is no effective joint forum that is considered an issue

4. **Documentation of textile data**

Unavailability of realistic data of textiles industries and manufacture. This is a large issue when estimating the potential of textile industry of Pakistan

5. **Textile ministry**

Inconsistent policy of textile ministry is an issue

6. **Quality of yarn**

Quality of yarn that is manufactured locally is not good.

7. **Non-availability of man-made yarns**

Limited vendors producing man-made yarn in Pakistan

8. **Govt. support**

Govt. policies are failing to facilitate manufacturers

9. **Upgradation of standards**

We do not compete globally, because our standards are not up to the mark.

10. **CPEC for textile**

Investors are worried about CPEC, because it may affect the demand of local manufactured products.

11. **Consistency in govt policy**

Policies should be clear and at least for ten to fifteen years,

12. **Smuggling from china**

Smuggling can reduce the demand of local textile products so it's an issue.

Group Members

Sr. No	Name	Institution	Industy
1.	Mr. Rana Sohail		Shan Associates
2.	Mr.Yasir		Interloop Ltd.
3.	Dept. of Knitting	NTU, Faisalabad	
4.	Mr. Naveed	BZU, Multan	
5.	Dr. Talha	NTU, Faisalabad	

4- Home Textile

Opportunities

- **Fiber**
  1. Research and development capability
     a. Man Made Fibers
     b. Cotton
  2. Supply chain design and Optimization
- **Yarn**
  3. Suitability for fine yarn
  4. Fancy and technically advanced yarn and threads.
  5. Locally produced m/c s
- **Fabric**
  6. Technology up-gradation (weaving /non-woven/ pilot plants)
     a. Products innovation
  7. Performance finishes
     a. Dying and printing
  8. Sustainable practices
- **Making**
  9. Vertical Integration
  10. Scientific/ Modern Management Techniques.
- **Design**
  11. New Innovative Design
  12. Product Life Cycle

a. Considerations in end to end design process.

- **Marketing**
  13. Branding
  14. Creating a supply – Side, demand Side Economical platform
- **General**
  15. Standardization
  16. Industry Cluster

Issues

1. Decline in production
2. Quality Issues
3. Supply and reliability
4. Cost of Goods
   a. Power
   b. Raw material
5. Technical / Operational Focus
   a. Lack of strategic plant
6. Capital Incentive
7. Fragmented Industry
8. Labour Incentive
9. Heavy dependency on machinery, dyes and chemicals
10. Economies of scale are non-existent
11. Heavy dependency on accessories and parts.
12. Time to market the new designs
13. Little investment on original and creative design promotion.
14. Cannibalizing by lack of differentiation.
15. Social economics interest
16. Literacy and skill level
17. Private and Public Partnerships

Group Members

Sr#	Name	Academia	Industry
1	Dr.Ahsan Nazeer	NTU,Faisalabad	
2	Dr.Waseem Ibrahim	NTU,Faisalabad	
3	Mr.Umer Siddique		ICI,Sheikhupura
4	Mr.Faud Majeed		Tanveer Cotton Mills, Lahore
5	Mr.Amjad		
6	Ms.Aisha Rehman	NTU,Faisalabad	
7	Mr.Humayoun Rasheed		

5- Spinning

Opportunities

1. Well established spinning sectors with millions of spindles.
2. Great potential in filament yarn and synthetic fibers.
3. Increasing share of technical yarns + fancy yarns.
4. Bulk quantity of cotton and polyester availability.
5. Work force training with audio and video aids.
6. Self-power generation facilities.
7. Well established supply of raw materials.
8. Composite unit growth.
9. Well established supply of machinery and parts.
10. Alternating fibers and filaments for green technology.
11. Recycling and sustainability.

Issues

1. Cotton quality (staple + contamination).
2. Power shortage.
3. Labor skills levels.
4. Attitude perfection.
5. Lack of confidence of buyer.
6. Lack of multitasking labor.
7. Lack of R&D facilities.
8. Lack of timely BMR policy.

9. Lack of value addition awareness and realization.
10. Lack of energy conservation technology.
11. Discovering new markets.
12. Poor HRM policies.
13. Lack of availability of brands.
14. Lack of machinery manufacturing.

Group Members

Sr#	Name	Academia	Industry
1	Dr.Zulifqar Ali	NTU,Faisalabad	
2	Mian Munir Ahmad		MTM,Faisalabad
3	Mr.Abdul Rehman		Nishat Textile Mills,Faisalabad
4	Mr.Ali Raza		Tanveer Cotton Mills,Lahore
5	Mr.Shahid Shahbaz		AA Spinning,Shahkot
6	Dr.Bilal Qadir	NTU,Faisalabad	
7	Mr.Zia Masood		Nishat Textile Mills,Faisalabad
8	Mr. M Khalid		Sitara Textile Mills, Faisalabad

6-Technical Textiles

Opportunities

The experts from academic and industry identified short term, medium term and long term opportunities.

- **Short Term**

The experts identified the following products.

1. Hospital Textiles.
2. Seat Covers.
3. Value added local Lawn.
4. Camouflage textile.
5. Functional Textile/ Mosquito repellant.

- **Medium Term**

The expert identified following main areas.

6. Canal Road Lining (Geotextiles)
7. Tarpaulin
8. Diapers
9. Composites for structural applications
10. Spacer Fabrics
11. Smart Textile (textile Based sensors)
12. Weaving carbon fabric.

- **Long term**

The expert identified following main areas:

13. Production of high performance fibers.
14. Replacements of Plastics cans with textile based products.
15. Production of air bags.
16. Tenting cloth.
17. Lifesaving Jackets
18. Bullet proof jackets
19. Coated Textiles/Sports, Uniforms
20. Production of resins/ epoxy for textile
21. Production of conducting yarn.

Issues

The experts identified issues which Pakistan Technical Textile industry is facing.

1. Unavailability of high performance fibers
2. Unavailability of Resins/ epoxy
3. Awareness of farmers of usage of Geotextiles.
4. Import of medical Textiles.
5. Machines and rapier loams.
6. Coating Machines
7. Market Exposures
8. Standard Testing Facilities.
9. Training Facilities
10. Standardization

11. Costumers trust deficit
12. Volatile law and order situation.
13. Industry Academia linkages.
14. Lack of Innovation.

Sr#	Name	Academia	Industry
1	Dr.Munir Ashraf	NTU,Faisalabad	
2	Dr.Annayat Ullah	BUITAMS, Quetta	
3	Dr.Waqar Ahmad	BZU,Multan	
4	Mr.Sohail Maqbool		Crestex,Faisalabad
5	Mr.Ahmad Shafi		Crestex,Faisalabad
6	Mr.Humayoun Awan		HEC
7	Dr.Bilal Zahid	NED, Karachi	
8	Mr.Ayoub Asghar	NTU,Faisalabad	
9	Dr.Shehnella	NED, Karachi	
10	Mr.Shahid Khan		Lakson Group
11	Prof.Wong Xiadong	Beijing University,China	

After above discussion and brainstorming following recommendations are suggested to cope with issues and to get maximum benefits from opportunities. A road map is defined to achieve the goals defined in above discussion

Proposed Projects for National Innovation Basket

Sr. No.	Title	Description	Responsible Body
Long Term (5-10 years)			
1	Vocational Institute	Vocational institutes in each industrial city should be established/Especially around CPEC	Government
2	Centre of Excellence/Research Centre	In each province establishment of state of the art centre of excellence just like India	Government
3	Product Development Centres	Industry clusters (Industry wise and zone wise), funds generation through industry	Government/ Industry
4	Textile Entrepreneurship funds	Each year 20 products should be selected at National level and funds should be managed from Government or Industry	Government/ Industry
5	Upgradation of current Textile universities/institutes	Lab equipment/ Faculty development/ Infrastructure	Government
6	Mapping	According to Data of Last five year and then focusing weak areas to earn revenue	Industry
7	International Business Trade (Made in Pakistan)	a. Conferences with actual cost benefit and user industry participation for each sector b. International Technical Textile Exhibitions c. Specific websites for technical textiles in Gov. and Industry Association forums	Oversea Pakistani/ Government and local chambers
8	Textile Knowledge city	Model institute which has state of art facilities e.g. labs, Ph.Ds. etc	Government
9	No of Ph.ds	Right now we have only 40-45	Government/

		Textile Ph.Ds. in Pakistan. In next 10 years there should be at least 500 Ph.Ds in textiles. Government and HEC should focus in this issue and allocation of Ph.D. slots should be done keeping in view national interest.	HEC
Medium Term (1-5 years)			
10	Support for technical fibre/fabric development	Keeping in view future performance applications	Industry/ Government
11	**Areas to Focus in Next 5 years** Nonwoven, Smart Textiles, Nano-Textiles, Textile composites materials, MobiTech, GeoTech, SportTech, AgroTech, BuildTech, Defence related Textiles	Each university given targets in these areas	Universities/ Government/ Industry
12	Incentives	For Technical Products/Special incentives for those investors who will work on diversified products	Government
13	Cluster making for export enhancing of SMEs	From minor segments of textile a small group of companies should be formed which have no R&D or Technical support (University Support Model of Industries)	Industry/ Government/ University

		1-University Should give them Technical Support. 2-Government, Chamber and Industry should contribute to send those companies in business fairs along with universities 3-Government should recover their investment from those orders	
14	Industry Driven model of universities	1-After need assessment , universities should be given R&D targets for next five years	Industry/ University
15	Multi-Disciplinary Research	Pakistan is lacking in this area very much, no such model exist which especially focus on multi-disciplinary research. A lot of potential exist in automotive, geo-tech, Protech, sport-tech and meditech where research of textiles and other areas can get benefits e.g. geo-tech textiles and civil	Inter Universities
16	Training institutes + R&D centres for back processes	e.g. Ginning, quality of cotton Modification of natural raw material keeping in view end product Development of natural raw material which will be best possible replacement of synthetics	Government and Industry
17	Industry Funded projects	Industries should drive R&D teams working in Universities to	Universities/ Industry

		do research on Industrial requirement	
18	University/Industry/ HEC Projects	HEC should play its part to promote culture of Industrial research in Pakistan with easy and smooth process	
Short Term Projects for Universities (6 months- 1 year)			
19	Development of Body Armour		University
20	Development of wearable smart sensors for vital signs monitoring for different body activates		University
21	Development of auto mobile textile parts	This development will be specially focusing climate of subcontinent	University
22	Auxetic Textiles	For different performance applications and in sensors	University
23	Performance Synthetic garments	For athletes and other sports application	University
24	Natural Fibre composites for different applications	Using local raw material like jute, banana and palm for different high tech applications	University
25	Institutional garments with improve functionality	Hospitals, fire fighters and cut resistance etc.	University
26	Modification of different textile processes to reduce the energy consumption	e.g low temperature dyeing, optimization of processes	University
27	Composite based furniture	With added functionality with is not present in wooden or plastic furniture like antimicrobial,	University

		flame resistant and stain resistant	
28	Seam less woven garments	Using conventional looms seamless woven garments should be made and to provide a space to local manufacturer in product diversification	University
29	Textile based energy harvesting products/Parts	Wind turbine blades	University
30	Piezo Electric Composites	For Energy harvesting	University
31	Development of eco-friendly dyes	Will be helpful in reduction of pollution	University
32	Recycle products	Using different textiles wastes e.g. cotton, wool and Kevlar etc.	University
33	Use of different garments washing techniques for garments aesthetics	There is new trend in market that on conventional garments with washing different effects can be created e.g vintage effect	University
34	Nano textiles based products	Will be used for improve performance e.g. Nano-filters, nano web	University
35	Theoretical modelling of textiles	Currently Pakistan is lacking in modelling of textiles structures due to this we are not at par with other world especially when textile structures has to use in high tech applications	University
36	Android applications for different textiles sector e.g. spinning, weaving, knitting etc.	This will be very helpful specially for SMEs and medium enterprisers who have no advance level PPC departments	University/ Industry
37	Summer Internships	Industry should identify some areas to work e.g. process improvement and then should	Industry

		carry out with students. During internships students should be given task to identify weak areas where future research can be done	
38	Ph.D., M.S and B.S level projects	Industry should propose students projects to increase portion of applied research	University/ Industry
39	Research Culture at Under-Graduate level	There is little culture of research at under graduate level but unfortunately maximum no of student in Pakistan are at under graduate level so research culture at this level can improve situation a lot	University
40	Capacity Building	Industry and University should jointly launch programmes for capacity building and improvement of curriculum scheme keeping in view current needs	University/ Industry

Stalls

Closing Ceremony

Ch. Muhammad Nawas was the Chief Guest of Closing ceremony, Ch. Waheed Khaliq Ramay, Engr. Ahmad Hassan VP FCCI, Mr. Ahmad Shafi, Mr. Shahid Khan, Mr. Saad Elahi, Rana Sohail Ahmad, Mr. Aziz Ahmad, Mian Munir Ahmad and Mr. Amjad Baig were the prominent figures of closing ceremony. Finding of National Innovation Basket were report out in this closing ceremony and shields were awarded to winners

Media Coverage

Cultural/Musical Night

A very lively musical night was arranged for participants of exhibition. A cultural show was also part of social evening in which students of all regions of Pakistan presented their culture.

Feedback of Event from Exhibitors

Sr. No.	Feedback Received
1	More than **90%** people rated 5 star out of 10 that they would recommend the DICE Textile Innovation event to a friend or family member
2	More than **95%** people rated that the DICE Textile Innovation event was Good organized.
3	More than **60%** people said that they received most of the information prior to the DICE Textile Innovation event, that they needed.
4	More than **80%** people rated that the venue/location was good.
5	**46%** people received accommodation inside the University and 31% people were provided their accommodation in hotels.
6	More than **80%** people rated that they were provided good accommodation.
7	More than **70%** people rated that the food provided was good.
8	More than **70%** people rated that the transport arrangement was good.
9	More than **75%** people told that more than 100-500 visitors visited their stalls.
10	More than **90%** people rated that the Cultural event/Social Evening was good organized.

Starting of New Horizon

NTU and Fatima Fashion's New York signed MoU to promote culture of R&D.

NTU and FCCI signed MoU to establish Textile Corner in FCCI bulding.NTU will help FCCI to activate the TC.

Team NTU visited PSGMEA to discuss different possibilities collaborations

Team NTU visited Nizam Sons (PVT) Sialkot.

iTextiles® is a textile solution providing company. We work on a range of Fibres, and Chemicals. iTextiles started its journey in 2006, with main focus on fashion fabrics, with the progress we started development in technical textiles and managed to joined hands with the some of the biggest international companies including INVISTA®, Kaneka, LUREX®, The Dow Chemical, DSM and Tayho.

iTextiles® is fully capable and committed to creating increasing value for partners in all aspects of the supply chain, working alongside both manufacturing business and retail partners to provide integrated solutions in a market generation, sourcing, branding, and sales.

We supported the DICE- Textile Innovation Event. The event was filled with new innovative ideas from the students. It highlighted the importance of the innovation, and encouraged the implementation techniques. We were honored to be the Platinum Sponsor of the event. iTextiles is working in these five disciplines.

1. Comfort
2. Sustainability
3. Protection
4. Durability
5. Fashion

iTextiles® play its role as a moderator between Customers and local manufacturers executing competent facilities from sourcing the right product from the most effective and reliable producers to the final delivery. We provide our Customers the quality products and convey the best prices at supply and lead times.

The company is also actively involved in the development of the society and the education sector, sponsoring this event was one of the responsibilities that fulfill where we give out to society as a whole. The link between the industry and students need improvement, and we are working

as whole to come up to that level.

ITRC is our new step forward in research and development where we do, the yarn and fabric testing. This will provide facility to our existing partner mills to support their testing and maintaining standards.

Further we are prepared to facilitate the new students in field of textiles for short –term training and up-to-date knowledge about textile industry.

We at iTextiles ® believe in the evolution followed to its implementation at the right time with the right partner. We are encouraging the buyers to use more of the progressive techniques and products. The future of the textiles is based on the changing requirements of the consumer. We adopt the change from the imaginations targeting the customer with their needs. The technology and fabrication play a dynamic part in the future of denim, it's not a new idea but people are going forward to take the denim jean as a luxury item more than a casual one.

Denim is believed to be the essential part of one's life; we at iTextiles® trust the sustainability and comfort are an emotion of denim jeans sophistication. At present, the trends are at shift and changes with a very less time span, dark denim, distressed appearance, authentic look and nifty embellishment are running everywhere.

With a history of textiles, Pakistan is growing with the production of the denim and it has raised the bar of quality production. With the more export every year we believe for a change in technological acceptance.

iTextiles® is in the supporting system for the innovation, imagination, and implementation.

Letter of Thanks
To Whom Who Made Dice Textile a Best Event

We are really thankful to you for an active participation in 2nd NTU DICE Innovation Competition (28-29 March, 2017). Apparently, this event seems to be a game changer in Academia-Textile Industry linkage in Pakistan and to make this happened your support was very significant.

In this largest gathering of Textile Industry-academia, more than 100 CEOs from all the regions of Pakistan visited us and signing of several contracts have been reported for joint university-industry research projects.
25 universities presented 100 projects for competition worth Rs. 0.6 million, Industry funded Rs. 3.0 million to 7 projects out of 9 projects pitched in Dice Sharks.
In the National Innovation Basket Session, seven Focal groups consisting of CEOs, Technical Managers and Professors from all over the Pakistan presented their suggestions for short term, medium term and long term improvement in Textile Industry.
Your continuous support in the future as well, will help us to bring a positive change in Textile Industry and universities of Pakistan.
Your feedback for further improvement of this event will be highly appreciated.

Stay blessed and protected. Long Live NTU and Long Live Pakistan.