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NEWSLETTER

NTU is the Pioneer Institute of Textile Education
in Pakistan, Serving the Industry
Since 1959

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Editor

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National Textile University

Prof. Dr. Tanveer Hussain
Rector

History

The idea of establishing a Textile Institute of world fame was conceived by a group of visionary industrialists in 1954. To realize this idea the Government of Punjab joined hands with the leading textile industrialists to form an Institute of Textile Technology in Faisalabad (then Lyallpur) and provided sixty-two acres of state owned land free of cost. Kohinoor Industries, Colony Textile Mills, Dawood Foundation and Lyallpur Cotton Mills provided funds to the tune of Rs.2.5 Millions, which were utilized for the construction of building and provision of other infrastructure. The Government of U.K. provided the bulk of equipment and machinery, along with the services of experts under Colombo Plan. Field Marshall Muhammad Ayub Khan, the then President of Pakistan, laid the foundation stone of the Institute, on the 12th of October 1959.

History

Vision

National Textile University aspires to have a transformative impact on the socio-economic development of the country in general and textile & clothing industry in particular, with outstanding education, research, and eco-friendly innovation.

Mission

The mission of National Textile University is to contribute towards sustainable socio-economic development of society and welfare of humanity through pursuit of excellence in education, research and innovation in areas of National importance, with special emphasis on textile and clothing



Funding and Grants



Department of Yarn Manufacturing

Dr. M. Bilal Qadir from Yarn Manufacturing Department won Rs. 0.5 million funding for the project title "Synthesis of mesoporous and highly functional TiO₂ aggregated nanoparticles for photocatalysis and energy devices" from Higher Education Commission of Pakistan under Start-up research grant.



Department of Polymer Engineering

Dr. Zulfiqar Ahmad Rehan from Polymer Engineering Department won Rs. 0.5 million funding for the project title "Ni-SiO₂ embedded PES ultrafiltration membranes for reduction of biofouling and organic pollutant" from Higher Education Commission of Pakistan under Start-up research grant.



Department of Knitting

Dr. Hafsa Jamshaid from Knitting Department won Rs. 0.48 million funding from Higher Education Commission of Pakistan under Start-up research grant. The aim of this research is to develop hybrid composite structures for automobiles using polyester, polypropylene and basalt fibers for better mechanical, thermal and ecological properties.



Department of Garment Manufacturing

Dr. Babar Ramzan from Garment Manufacturing Department won Rs. 0.485 million grant from Higher Education Commission of Pakistan under start-up research grant. The aim of this research is development of hybrid spun heating yarn and its comparison with existing filament yarn based on their performance properties.



Department of Material & Testing

Higher Education Commission Pakistan released a research grant of Rs. 2.84 million to the Department of Materials & Testing, for upgradation & strengthening the Textile Physical Testing Laboratory under the project "Institutional strengthening". This will be utilized for procuring three testing equipment namely: High Resolution Microscope, Elmendorf Tear Tester, and Pneumatic Bursting Strength Tester. Dr. Sheraz Ahmad is the principal investigator of this project.

International Conference Presentations

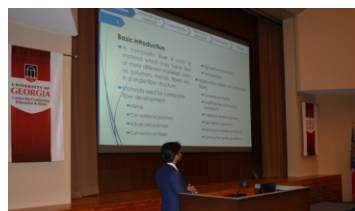
4th FAEM-18 (Frontiers of Advanced Engineering Materials)

Dr. Yasir Nawab presented his research in 4th International Conference FAEM-18 (Frontiers of Advanced Engineering Materials) held on February 19-20, 2018 as Invited Speaker on the title "Novel Polymeric Composite Materials for Aerospace Applications". The conference was organized by Pakistan Council for Scientific and Industrial Research (PCSIR) at Lahore. Renowned International and National speakers participated in the conference.



Fiber Society Conference, USA

Dr. Ali Afzal, Assistant Professor from Department of Materials and Testing participated in The Fiber Society Conference, Fall 2017 in Athens, Georgia, USA. He was awarded travel grant from Higher Education Commission, Pakistan. He presented his research on development of pressure sensors for SMART Textile applications.



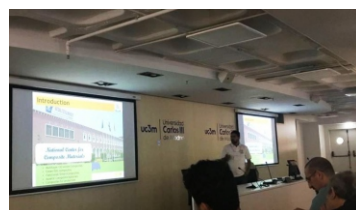
"The 8th World Conference on 3D Fabrics and Their Applications" Manchester

Dr. Yasir Nawab also participated in "The 8th World Conference on 3D Fabrics and Their Applications" held on March 28-29, at The University of Manchester, UK. He was awarded travel grant from Higher Education Commission, Pakistan. He presented his research on "Development & Characterization of Green Composites using Novel 3D Woven Preforms".



4th MechComp 2018, Spain

Dr. Khubab Shaker presented his research titled "Experimental and numerical investigation of warpage in particle loaded thin composite plates" in 4th International Conference on Mechanics of Composites (MechComp). The conference was held at University of Carlos III, Madrid, Spain. More than 200 researchers around the globe presented their research papers in the conference. The accommodation and travel expenses for the conference were covered by the HEC, Pakistan.



1st International Conference on Advances in Engineering and Technology (ICAET)

Dr. Yasir Nawab, gave a Keynote talk on "Mechanical Characterization of Economical, Waste Based Hybrid Composites for Automotive Applications" in 1st International Conference on Advances in Engineering and Technology (ICAET) held on 2-3 April, 2018 at BUITEMS, Quetta. He was invited by the host university and chaired a session on "Textiles".



International Forum on Knitted Technology 2018 held in China

Dr. Hafsa Jamshaid, Chairperson Department of Knitting, participated in International Forum on Knitted Technology held in China from 28-30 May, 2018. She was invited as a key note speaker to talk on Sustainable Materials for Knitted Composites.



91st Textile Institute World Conference

The 91st Textile Institute World Conference (TIWC) 2018, which was hosted by the School of Design at the University of Leeds on 23-26 July 2018. Dr. Hafsa Jamshaid presented her collaborated work with Uzair Hussain titled "Optimization of fire resistant and comfort properties of knitted fabrics". The conference theme "Integrating Design with Sustainable Technology" is focused on identifying and establishing interdisciplinary engagement in the textile manufacturing and retail industry through the various fields of technology, design, sustainability, research and economy.



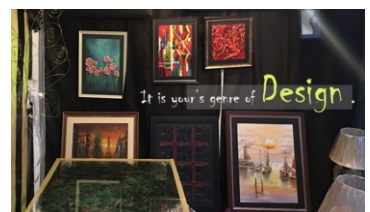
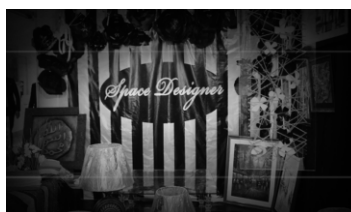
Conference on Emerging Trends in Knitting on 7-8 February, 2018

Department of Knitting organized a conference on Emerging Trends in Knitting on 7-8 February, 2018. The objective of this conference was to bring all industrial and academic experts on a single platform to take effective part in innovation and hence development of Pakistan.



Entrepreneur Festival Faisalabad 2018

The forums of exhibitions always provide an opportunity to interact and exchange ideas. The first Entrepreneur Festival Faisalabad (EFF) planned by the Women Chamber of Commerce & Industry was held at University of Agriculture on 19 January 2018. The festival idea was to promote small business concepts especially to encourage women. Ms. Misbah Latif, Ms. Aroobah Mumtaz and Mr. Ehsan Ali from Department of Design participated in the festival under the brand name of Space Designers.



"TBIS 2018" (The Textile Bioengineering and Informatics Society) at Manchester, UK

Dr. Hafsa Jamshaid presented her collaborated work with Rajesh Mishra and Jiri Militky titled "Characteristics of woven Basalt and hybrid structures as composite reinforcement" in TBIS-2018 which was held at University of Manchester, UK, on 25-28 July, 2018. The Textile Bioengineering and Informatics Society (TBIS) is a charitable organization created to foster, develop and promote all aspects of science and technology in the bioengineering of materials, fibers and textiles, and to study how fibers, textiles and clothing influence human biology, medicine, behavior and health, as well as human living environments.



Exhibitions and Conferences at NTU

1st International Conference on Technical Textiles

1st International Conference on Technical Textiles ICTT-2017 was held at National Textile University Faisalabad on November 09-10, 2017. Federal secretary for Textiles, Mr. Hassan Iqbal was the chief guest of the event. The objective of conference was to facilitate interaction between researchers and professionals working in the field of textile engineering. Researchers from 5 different countries presented their research papers. The event was organized into 10 different sessions. The topics covered included composite materials, smart textiles, medical textiles, supply chain management, textile comfort and eco-textiles, textile yarns fabrics and image processing and textile processing.

4th Convocation of NTU

The 4th Convocation of National Textile University was held on 28 September, 2017 at Convention Center Islamabad. The Worthy Chancellor, Mamnoon Hussain (President of Pakistan) conferred degree to graduating students and said that today's Pakistan carried a better image of improved law and order and economic situation as compared to the Pakistan of year 2013. Addressing the convocation, the President said the undeterred commitment of Pakistani nation and the government along with joint efforts of State institutions had resulted in overall improved situation. President Mamnoon stressed that it was need of the hour that entire nation backed its government and national institutions to eliminate the causes of lawlessness and bring the perpetrators to justice. He emphasized adoption of modern techniques based on research to match the requirements of contemporary industrial world. He said textile industry was the country's backbone making up to 65 percent of national economy. He said Faisalabad had an extraordinary importance in this regard, being the hub of trade and commerce. The President said due to his personal association with textile industry in the past, he was aware of its related problems and had also suggested the Finance Minister to consider giving an ample subsidy to this industry. President Mamnoon termed youth the leaders of future, who had a role to play for the country's betterment. He felicitated the graduates of National Textile University and expressed confidence that they would better contribute to the textile industry with their expertise. The President gave away gold medals among the graduates for their remarkable academic achievement. Earlier, Rector NTU Professor Dr. Tanveer Hussain in his welcome address gave salient features of the university and the courses taught in various disciplines related to textile.



National Fiesta 2018

National Textile University, Faisalabad held a mega event "National Fiesta-18" on 23-24 February, 2018. It was a national level multi-category event in which number of educational institutions across Pakistan participated in diverse competitions of Arts, Sports, Literary, Business and Technical.



3rd NTU DICE Textile Innovation Event

National Textile University arranged 3rd NTU DICE Textile Innovation event on 6 - 7 March, 2018. The major objective of this event was to promote and collaborate on innovations related to textile sector, commercialization of these innovations, textile engineering capacity building, leveraging knowledge of expatriates around the world, providing access to Pakistan Textile Industry to international markets and to help Government of Pakistan in textile policy making. It was one of the biggest gathering of academia and textile industry in Pakistan, with 180 projects presented by students and faculty members from 35 universities nationwide. The CEOs and representatives from more than 120 industries visited this event. A total of Rs. 1.65 million rupees was awarded to different projects based on the innovation and usefulness to address different textile industry issues.



International Conference on Innovation and Entrepreneurship in Textiles 2018

On 6-7 March, 2018, Department of Materials and Testing (NTU) in collaboration with DICE Foundation USA, Higher Education Commission Pakistan and Interloop Limited. Pakistan arranged an "International Conference on Innovation and Entrepreneurship in Textiles". Chairperson of the Executive Board and Chief Operating Officer of Interloop Limited, Mr. Navid Fazil was the Chief Guest of the event. Many CEOs, government officials, students, experts from textile industry & academia attended the conference. Honourable chief guest appreciated the efforts of Professor Dr. Tanveer Hussain, Rector NTU, Dr. Sheraz Ahmad, Chairman Department of Materials & Testing and Dr. Yasir Nawab, Chairman Fabric Manufacturing Department, for organizing such a successful and fruitful event. Professor Dr. Arshad Ali, Executive Director HEC graced the closing ceremony and expressed his views about the event. He also distributed the prizes and shields among the winners of DICE Textile.



DCS with collaboration of CS Society arranged the Mega Event named as "XTC JUNOON Gear 5"

Department of Computer Science (CS) with collaboration of CS Society, Character Building Society and Sports Society organized the Mega Event named as "XTC JUNOON Gear 5" on 27-28 April, 2018. The event contained technical as well as non-technical competitions. XTC was a national level event and more than 1500 visitors and participants from 30 different institutes of Pakistan are participated in this event.



The 11th International Exhibition and Conference for Garment and Textile Industry (IGATEX)

The 11th International Exhibition and Conference for Garment and Textile Industry (IGATEX) scheduled on 26-29 April, 2018 was also augmented by Technical Conference. Many national and international speakers spoke on the occasion. NTU being a knowledge partner also participated in the event. Dr. Hafsa Jamshaid, chairperson Knitting spoke on "Application of Knitted Composites in Technical Textiles".



1st All Pakistan Bilingual Declamation Contest, TAKRARR-18

NTU Debating Club (2017-18) organized "1st All Pakistan Bilingual Declamation Contest" under the title of 'TAKRARR-18' in the university auditorium on May 08, 2018. Twenty-Four contestants from various institutions across the country participated in the event. Renowned adjudicators of Pakistan were present as jury members. King Edward Medical University, Lahore won the Team Champions Trophy and M. Tahir Irfan from Kids Education School, Jhumrah won Best Speaker Award. Prof. Dr. Tanveer Hussain, Rector NTU graced the event as Chief Guest and gave away the prizes to the winners of the contest.



MoUs and Collaborations

Collaboration between NTU and IBA Karachi for promoting entrepreneurship

National Textile University, Faisalabad (NTU) has entered into a collaborative partnership with Institute of Business Administration, Karachi (IBA) on September 11, 2017 after signing a MOU for promoting entrepreneurship. The memorandum was signed by Rector NTU Prof. Dr. Tanveer Hussain and Prof. Dr. Farrukh Iqbal, Dean and Director IBA Karachi. Many esteemed dignitaries from Industry and Academia attended MOU signing ceremony. Dr. Shahid Qureshi Director Centre for Entrepreneurial Development IBA Karachi, shared the history, launch and success of IBA's model of entrepreneurial development with the audience.



MOU Signed between Department of Polymer Engineering of NTU, FSD and Fibre Craft Industries, Lahore

Delegation from National Textile University, Faisalabad (NTU) visited Fibre Craft Industries (Pvt.) Ltd, Lahore on Wednesday 22, November 2017. A Memorandum of Understanding (MoU) was signed between the two parties to help each other in Research & Development. Fibre Craft Industries and NTU are committed to join hands for the betterment of the society. FCI will also offer internship programs for NTU students. Dr. Yasir Nawab, M. Ayub Asghar, M. Imran Khan, M. Umair and M. Faizan Aslam from NTU and CEO of Fibre Craft Industries Mr. M. Khaliq and Mr. Ubaid attended in the ceremony



NTU signed MoU with PSQCA

NTU signed an MoU with Pakistan Standards & Quality Control Authority (PSQCA) which enables the University to access PSQCA's technical services center, extending the Universities' research capabilities by having access to testing of industrial metallurgical products. This MoU also enables the two organizations to work closely on quality and environmental management systems. Rector NTU, Prof. Dr. Tanveer Hussain along with DG PSQCA, Mr. Muhammad Khalid Siddiq signed the MoU.



Department of Design signed MOU with Sadaqat Textiles (KHAS Brand)

Department of Design signed a Memorandum of understanding (MoU) with Sadaqat Textiles (KHAS Brand) on March 20, 2018. It will mutually elaborate benefits in both academia and industrial prospective. Department of Design faculty and students will assist in Design and Research activities with Sadaqat Textiles in future.



Dr. Hafsa Jamshaid has been awarded Fellowship of Textile Institute, UK

Dr. Hafsa Jamshaid, Chairperson Knitting, has been awarded Fellowship of Textile Institute, UK. The Fellowship is the chartered professional which is awarded under the Textile Institute's Royal Charter.



NTU Mathematics Students Secured 6th Position in PNMO-17

Team of three students from Applied Sciences Department under the supervision of Dr. Muhammad Arshad, Assistant Professor, Department of Applied Sciences participated in the Pakistan National Mathematics Olympiad (PNMO-17) held in IBA Sukkur in the month of November 2017. Eighteen Universities from all over Pakistan participated in this competition and the Mathematics students of National Textile University secured 6th Position.



Achievements and Awards

Muhammad Zia ur Rehman received Best Paper Award in International Conference on Business, Economics and Finance

University Brunei Darussalam's School of Business and Economics (UBD SBE) organized International Conference on Business, Economics and Finance (ICBEF). The two-day conference featured 60 papers presented by speakers from 14 countries. Professor Dr. Charles Horioka, Vice-President & Research Professor at the Asian Growth Research Institute, Japan, and Dr. Guler Aras, Professor of Finance and Accounting & Director, YU Center for Finance, Governance & Sustainability at Yildiz Technical University, Turkey, delivered the key note speech. Muhammad Zia ur Rehman, Lecturer, Department of Management Sciences, presented his research paper in the area of Accounting & Finance and won the best paper award along with a cash prize. Travel grant for the presentation was awarded by Higher Education Commission (HEC), Pakistan.



Ali Raza Shafqat selected for US Fulbright Scholarship 2018

Ali Raza Shafqat has been selected for US Fulbright Scholarship 2018. It was only possible with sincere guidance, mentoring and exposure received from my teachers at NTU. According to Mr. Shafqat "He came to NTU, Faisalabad from Quetta to gain National exposure but came back with International opportunities and exposure"



NTU Achieved Highest Top 'W' Category

Quality Enhancement Cell of NTU has scored 93.17% and achieved W-Category in HEC 'Yearly Progress Report 2016-17' ranking announced by QAA of HEC. Director QEC, Muhammad Nisar Bhatti along with his team is committed to endorse quality culture and establish quality system at NTU. The QEC of NTU, being continuously rated in top 'W-Category' of HEC, congrats all the stake holders of National Textile University on achieving this milestone.

Dr. Yasir Nawab won HEC's "Best University Teacher Award"

Dr. Yasir Nawab was awarded with HEC's "Best University Teacher Award" for the year 2016. The award comprises of cash Rs. 100,000 and a certificate. Federal Minister of State Mr. Muhammad Baligh Ur Rehman conferred the award in a ceremony held in HEC - Islamabad on February 21, 2018.



Department of Computer Science won a regional competition of Imagine Cup

Imagine Cup Pakistan is a national level student technology competition with collaboration from HEC and Microsoft. Imagine Cup Pakistan regional finals were held from March 27 to April 6, 2018, where over 110 projects were evaluated by a team of experts. Twenty-five projects were selected as regional winners and qualified for the National Finals to be held in Islamabad during the first week of May 2018. It is a matter of pleasure for the Department of Computer Science, National Textile University that the team of final year students working under the supervision of Dr. Muhammad Asif won the position from regional competition.



Mr. Sharjeel Abid's research pitch has been awarded position in top 10 places

Mr. Sharjeel Abid's Research Pitch titled; "Electrospun Nanofibers with Controlled Drug Delivery for Burn Wounds" has been awarded position in Top 10 places in All Pakistan Pitch my Research Competition 2017-18. This competition was organized by the mutual efforts of The University of Queensland, Australia and The University of Haripur, Pakistan. The winners of the competition were announced by Prof. Robert Faff, Director Research, The University of Queensland, Australia. This unique and high quality research competition was launched for the very first time in Pakistan. Mr. Sharjeel Abid is pursuing his PhD in Textile Engineering at National Textile University under the supervision of Prof. Dr. Tanveer Hussain and Dr. Ahsan Nazir.

Participation and Positions in DAIRA'18 Competition at FAST-NU (Chiniot Campus)

National Textile University's students took part in DAIRA'18 (30th March to 1st April, 2018), a Mega Event held in FAST NU (Chiniot Campus) and won significant positions in different categories. Students from Department of Computer Sciences, Department of Design and Department of Management Sciences proved their abilities and talent in the event with different positions. We are looking forward for a bright future of our students in Technical as well as in Non-Technical abilities.



Textile Engineering PhD Degree Awarded

First ever PhD Textile Engineering degrees were awarded to Mr. Muhammad Umair and Mr. Khubab Shaker on successful defense of their theses. The research topic of Dr. Muhammad Umair was "Development of Novel 3D Woven Reinforcements for High Performance Applications". While the research topic of Dr. Khubab Shaker was "Study of Particle Loaded Composites, Fabrication Using Liquid Composite Moulding Technique". During PhD studies both scholars published different research papers in renowned journals. Rector, NTU congratulated both scholars on getting PhD degrees.

Dr. Yasir Nawab has been awarded with "DICE Leadership Award"

Dr. Yasir Nawab, Chair DICE Textile (Pakistan) has been awarded with first ever DICE Leadership Award 2018 for his eminent, exceptional and matchless untiring efforts to bring academia and industry together at the DICE Textile platform. This award was presented as a token of appreciation by the President DICE Mr. Saad Elahi for successfully arranging the DICE Textile innovation event at National Textile University for the last 3 years with the largest participation from the industry and academia ever in the history of Pakistan textile sector. Mr. Saad Elahi highly appreciated Dr. Yasir Nawab for making DICE Textile the most vibrant event of all DICE events.



Orientation Program for Foreign Students

This is an age of globalization. National Textile University, has emerged as one of the best multidisciplinary universities of Pakistan. Currently, Higher Education Commission (HEC) Islamabad has nominated 44 Afghan National Students for NTU, Faisalabad in recognition of its committed educational standards. Eighteen Afghan students admitted in BBA and twenty-six admitted in Computer Science programs offered by NTU. Orientation program has been conducted to welcome the foreign students on Sunday September 23, 2018 by Office of Students Affairs and respective departments. NTU is committed to extend full cooperation to these foreign students for knowledge seeking and to earn good name for NTU as well as for Pakistan in international arena.

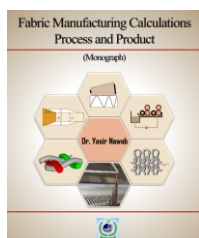


Books Published

"Fabric manufacturing Calculations: Process and Product" 2nd book in the academic year 2017

Congratulations to the faculty of Weaving Department on publishing "Fabric manufacturing Calculations: Process and Product", 2nd book in the year 2017. The book has been published by Higher Education Commission of Pakistan. Thanks to all the authors for their contributions in this chain of success. Special thanks to Dr. Yasir Nawab, and team members Khubab Shaker, Muhammad Umair, Muhammad Umar, Muhammad Imran Khan, Talha Hamdani, Muhammad Zohaib, Adeela Nasreen, Madeha Jabbar, Danish Baitab and Waqas Ashraf.

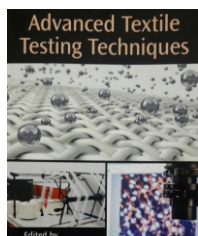
Editor
Dr. Yasir Nawab



"Advanced Textile Testing Techniques" A Book Published by CRC Press Taylor and Francis Group

The book "Advanced Textile Testing Techniques" has been published by CRC Press, Taylor and Francis Group. Thanks to all the authors for making their efforts and contributions in achieving this milestone. Amplest congratulations to the faculty members of Department of Materials and Testing: Dr. Sheraz Ahmad, Dr. Ali Afzal and Mr. Khurram Shehzad Akhtar for their initiative to write a book on textile testing and efforts in this publication.

Editors
Dr. Sheraz Ahmad
Dr. Abher Rasheed
Dr. Ali Afzal
Mr. Faheem Ahmad



A National Book "Textile Raw Materials" Published by Higher Education Commission Pakistan

Under the project "Monograph and Textbook Writing Scheme" of Higher Education Commission Pakistan, The Department of Materials & Testing has published a Book "Textile Raw Materials". Amplest congratulations to the faculty members of Department of Materials and Testing: Dr. Sheraz Ahmad & Mr. Khurram Shehzad Akhtar for their initiative to write a book on Textile Raw Materials. A special thanks to Mr. Umar Nazir from Department of Fabric Manufacturing for making his valuable efforts and contributions in attaining this landmark.

Editors
Dr. Sheraz Ahmad
Mr. Khurram Shahzad



Other Activities

Rector NTU Prof. Dr. Tanveer Hussain Inaugurated Squash Complex

Rector NTU Prof. Dr. Tanveer Hussain inaugurated a squash complex in NTU main campus. The state of the art complex has been developed to encourage students to participate in sports and extra-curricular activities. The project is one of the series of projects realizing the visionary leadership of the Rector.



NTU to Design Danish Schools' Uniforms

National Textile University (NTU), one of the leading textile sector Universities in Asia, is set to design school uniforms for Danish Schools. NTU's active support to the Punjab Danish Schools and Centers of Excellence Authority, is in line with its Corporate Social Responsibility (CSR). Teams from both organizations will meet to finalize uniform specifications. Danish schools cater to the overall development of marginalized students with emphasis on academics, sports, physical education mixed with social/cultural activities and community responsibility.



Tree Plantation Campaign "Spread Green"

A plantation campaign was launched at National Textile University in collaboration with Green Community on August 17, 2018. The campaign initiated by Rector Prof. Dr. Tanveer Hussain and Advisor Students Dr. Amjed Javid. They planted the trees to kick off the "Spread Green" tree plantation campaign.





3rd NTU DICE Textile Innovation Event

6th-7th March, 2018

GLIMPSE OF DICE & IETEX 2018



► Upcoming Event ◀



6-7 March, 2019

DICE Foundation

Innovation Event

4th NTU DICE Textile Innovation Event 2019

Innovation Themes

Biomedical

Technical Textiles

Sustainability

Protective Textiles

Sports Textiles

Water Treatment

Ecofriendly Textiles

Functional Textiles

Project Registration
31 Oct, 2018

Project Submission
30 Nov, 2018

DICE Textile Activities

Innovation Event

DICE Shark

Academia Industry Linkage

National Innovation Basket

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Covitex 2019

5th International Conference On Value Addition And Innovation In Textiles 2019

5-6 March, 2019



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