

TTH 2009 Grand Finale

Fight for the excellence ends but the future leaders promise continuous development

Any Degree and upper level textile-garment student who has completed at least one year or equivalent credits/semester of his undergraduate course were eligible to pre-register to participate in the competition. The pre-registered students started the talent war with a written test and completed at the

sponsor of the competition Mr. Ziaur Rahman Mukul, Managing Director, Color Style. The session started by the presentation of Md. Kamrul Hasan. The papers they have presented at grand finale were being developed under supervisors and direct supervision of Bangladesh Textile Today.

times. He illustrated most popular and recently developed dry and wet techniques of garment fading and effect generating.



On the stage of TTH 2009 Grand Finale; the Judges and the distinguished guests.

'Grand Finale' by the presentations of the best five talents at 10:30 am of 29th January, the first day of the 1st International Conference on Textile and Apparel (ICTA-2010). By this period they have undergone four consecutive steps. At first they sat for a Quiz (Written Test) and the organizers has sorted out best 50 contestants from the test. At the second step the best fifty has worked some research/project to develop paper/design and that was followed by a viva voce for the best 14 on their research/project topic and the submitted paper. From these two steps BTT has found best 5 contestants of Textile Talent Hunt 2009. At the best five contingent BTT found three participants from Dhaka University of Science and Technology namely Md. Kamrul Hasan, Md. Milan Hossain and Tusher Kumer Paul. Other two were from College of Textile Technology namely Md. Rakibul Hasan and Mohammad Sazzad Bin Wahid. The Grand Finale event was full with the participants from different universities and students. At the final the judges' panel was being led by the TTH Judges Panel Chairman Prof. Dr. Engr. Ayub Nabi Khan. Among other judges panel members TTH Judges' Panel Member Secretary Dr. Saifur Rahman was present with Dr. Humaun Kabir, Technical Editor, Bangladesh Textile Today; Md. Ershad Khan, Member Secretary, Technical Team, Bangladesh Textile Today and Engr. Liton Kumar Karmaker, Assistant Manager, Esquire Textiles Ltd. The Grand Finale stage was graced with the presence of Prof. Dr. Ala Uddin, Dean, Department of Mechanical Engineering, Dhaka University of Engineering and Technology and the

Developing rinse processes for improvements in cost, quality and safety

Md. Kamrul Hasan illustrated the machinery developments aspects for achieving effective rinsing to achieve the mentioned improvements by suggesting some process customization. He said that it is

estimated that 80% of the water consumption, 90% of the energy and 70% of the time of the total wet process is consumed in bleaching, washing and rinsing while these are not being worked out that much. Mr. Hasan found the modern mechanical systems of rinsing like Combined Cooling and Rinsing (CCR) and Smart Rinsing is much better than conventional drain and fill rinsing system.



He also suggested some process customization like to rearrange the process sequences to reduce the rinse while quality will not be hampered. He found that using low foaming chemicals, fixing agents, good fast dyestuffs, and peroxide killer will reduce the rinsing process and combining dyeing and bio polishing also can take off some additional rinsing steps.

Garment washing trend and its techniques

Md. Milan Hossain was working on garment washing techniques used in Bangladesh. He also focused on the recent garment washing trends and found that the demand of washing trend is increasing everyday and being more sophisticated and specific day by day. He mentioned that the trend is to light washed denim in the recent



Among dry processes he focused on grinding, whiskers, sand blasting, heavy destroy, crinkles, spray techniques, tagging etc. In the wet process area he described normal wash, soda wash, bleach wash, stone wash, enzyme and enzyme with stone/bleach/silicone wash, along with tie bleach and chemical blasting. He also explained very recent developments in this arena like foam or artificial stone wash, ozone fading and laser techniques.

Improvisation of knit dyeing processes of cotton to endure against adversity

Md. Rakibul Hasan from College of Textile Technology was studying the knit dyeing factories with their current processes and came up with techniques to modify their processes to improve productivity, reduce cost and finally to ensure better environment. Mr. Rakibul was working to find the possible scopes of improvisation through case-study of some dyeing-process in specific industries.



He also made probability analysis of some specific change of process and tried to check their compatibility of dyeing process with environment and finally he summed up by focusing the current situation of Bangladesh and effect on Knit dyeing industries. In his case study he took three different but similar factories to work on finally tried to suggest some modification in

their process by comparing the practices of the factories and also from other accumulated study. He specially focused to dyeing method, dosing system, temperature gradient, and rinsing processes and came up with suggestions like; ensuring effective loading & unloading, using high pressure fill/rinse, selecting progressive dosing, choosing multifunctional chemicals/substitutes, using pre heated water etc. In the environment and energy part he showed some alternatives that can help the knit dyeing industries to face the adversities.

Bio scouring as a cost effective and eco-friendly process

Md. Sazzad bin wahid presented bio scouring very elaborately with focusing to all its ability to be replaced for cost effectiveness and eco friendliness. He pointed out the disadvantages of the traditional caustic scouring and figured out bio scoring with all its aspects. He used pectinase enzymes very successfully to produce number of medium to dark shades and even some light to medium shades also. He made comprehensive comparison of different aspects (quality, cost and environment) of the bio scoured and traditionally scoured samples. He found that bio scouring provides remarkable quality with significant improvements in cost and tremendous benefits in environment issue. He also pointed to time savings, energy savings, effluent saving and treatment cost savings etc. But really he concluded that still

works to be done to make it successful for light and white shades.



Textile handicrafts and its prospect in Bangladesh

Tusher Kumar Paul from DUET has made a comprehensive study on textile handicrafts of Bangladesh. He tried to find out the facts and figures to come up with an SWOT analysis of the sector which guided him to reach to some sort of recommendations and suggestions at the end. He illustrated the life cycle of handicraft industry and found that after some golden ages now it is passing a transition time because of the competing countries and dominance of alternative artificial products. Even though the down he saw great prospect of the industry if some supports has been given and integrated effort has been made. Handicrafts in Bangladesh should be strengthen up as it doesn't need huge power that we are shortening currently but definitely this



sector can be flourished by utilizing by our huge man power.

After the ending of the presentation the judges panel declared the result of Textile Talent Hunt 2009. TTH Judges Panel Chairman Prof. Engr. Dr. Ayub Nabi Khan uttered the names of the winners amid sheer tension of the best five talents. The final position was as follows after the ending of all parts of long competition.

Position	Name
Champion	Md. Rakibul Hasan
First Runner up	Mohammad Sazzad Bin Wahid
Second Runner up	Md. Kamrul Hasan,
4 th Position	Tusher Kumar Paul
5 th Position	Md. Milan Hossain



TTH 2009 Champion Md. Rakibul Hasan receiving the trophy & certificate from Mr. Md. Fazlul Hoque



TTH 2009 1st Runner up Md. Sazzad Bin Wahid receiving the trophy & certificate from Mr. Faruque Hassan



TTH 2009 2nd Runner up Md. Kamrul Hasan receiving the trophy & certificate from Mr. Monirul Islam



TTH 2009 4th Position Tusher Kumar Paul taking the trophy & certificate from Mr. Md. Fazlul Hoque.



TTH 2009 5th Position Md. Milan Hossain taking the trophy & certificate from Mr. Md. Faruque Hassan