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## From the Editorial Desk

One of the biggest critiques of modern mass education is the assertion that it only imparts specific set of facts pertaining to specialized domains, and in essence, ignores the holistic development of individuals. At first glance, the criticism does seem to have merit. The professionalization of the teaching profession, the increasing liaison between the corporate world and educational institutions, the emphasis on practical implications of learning all seem to lend credence to the claim that modern education is biased towards achieving certain ends at the expense of others.

However, in its defense, it can be argued that there has been an increased focus on the holistic perspective of education in the past few years. The foremost reason for this is mostly the disenchantment with the purely empirical approach which ignores the development of the psychosocial competences. The underlying focus is on helping students become confident and independent, fully equipped to understand the self and consider learning as a lifelong process while taking cognizance of the social, emotional and moral precepts. In this context, UMT is in a league of its own since the overall personal and intellectual development of its students has always been enshrined in its founding principles.

This issue of the newsletter summarizes the activities that encompass the vast learning horizons offered to the students. This time, the editorial team conducted the exclusive interview of writer, photographer, teacher and scriptwriter Hafiz Tahir, who is among the pioneers of the Pakistani television landscape. His incisive analysis of the impact of the media on society will undoubtedly interest the readers.



A photograph of a forest with tall, slender trees. Sunlight filters through the canopy, creating a warm, golden glow. The ground is covered in fallen leaves and moss. The text is centered in the upper half of the image.

**True leaders always practice the  
three R's: Respect for self,  
Respect for others, Responsibility  
for all their actions.**



# Speakers at 1<sup>st</sup> SDWG 2019 Highlight the Importance of Clean Water and Sanitation



Zartaj Gul, chief guest of the SDWG 2019, addresses the conference. Seen on stage, Dr Seemi Waheed, Abid H K Shirwani, Rahat ul Ain and Dr Muhammad Aslam

An International Conference on Safe Drinking Water Governance (SDWG) was organized on January 15-16, 2019 by the UMT School of Governance and Society (SGS). **Zartaj Gul**, Minister of State for Climate Change, was the chief guest on the occasion. **Saad Khan**, water expert from Switzerland, and **Kamran Ahmad**, UNICEF representative, also attended. The conference was sponsored by UNICEF and HEC of Pakistan. It attracted speakers from 6 countries including Switzerland, UK, Maldives, Ethiopia, Canada, and Sri Lanka. About 35 research papers were presented at the conference while 45 poster presentations were also displayed.

**Ibrahim Hasan Murad**, President ILM Trust and UMT, and **Dr Muhammad Aslam**, Rector UMT, put their weight behind this initiative taken by SGS to highlight the importance of water, sanitation and hygiene as a basic necessity of life. Water must be easily accessible, clean and safe for human consumption. A large number of national water experts presented their papers in the conference. An exhibition of safe drinking water related posters prepared by students

from UMT, GCU, and several other universities also featured in the event. Apart from government departments and experts, a number of community based organizations, most prominently, Changa Pani Program, participated in the conference.

Earlier, **Rahat ul Ain**, Director SGS, delivered the welcome note. He thanked all the national and international guests for their presence, and added that concerted efforts of the government and cooperation of the public were required to address water related issues in Pakistan. Consumption of water that is contaminated with animal and human

excreta is a major source of pathogenic bacteria, viruses, protozoa and helminthes, and results in epidemics of waterborne diseases. It has been reported that in Pakistan, 20% to 40% beds in hospitals are occupied by patients suffering from water related diseases, especially during the summer months. Most of the water sources are contaminated and there is no proper system to ensure the supply of clean drinking water to the marginalized populations. Estimates also suggest that in Pakistan, a quarter of all the people visiting hospitals are suffering from water-related diseases as a result of poor sanitation and lack of safe drinking water.

**In Pakistan, a quarter of all the people visiting hospitals are suffering from water-related diseases**

SGS took the initiative of organizing the 1<sup>st</sup> SDWG to address these issues which not only pose public health problems but are also assuming great significance for policy makers and government officials.



Organizers and participants of the 1<sup>st</sup> SDWG snapped at the conclusion of the event

# International Conference on Contemporary Education and Countering Violent Extremism Practices in Pakistan



Dr Syed Noman ul Haq addresses the inaugural session. Seen on stage (L to R): Dr Fatima Sajjad, Dr Hamdi Muluk, Abid H K Shirwani, Shahzaib Abbasi and Dr Rukhsana Kausar

The UMT Department of Political Science and International Relations (DPSIR), SSS&H, organized an 'International Conference on Contemporary Education and Countering Violent Extremism Practices in Pakistan' on March 27-28, 2019. The event allowed Pakistani and foreign academicians to exchange ideas and experiences with indigenous practitioners that included representatives of the Higher Education Commission, the National Counter Terrorism Authority, a former Director General of Pakistan's Inter-Services Intelligence, a former Commandant of the National Defense University, and a former Inspector General of Police. The audience included international dignitaries such as the Counsel General of Indonesia and the Political and Economic Officer of the US Consulate.

Among the highlights of this conference was the inaugural keynote address by Prof **Dr Syed Noman-ul-Haq**, a veteran scholar who has taught at the Harvard and Tufts Universities in the US. He argued that there “seems to be a direct relationship between suppressing free inquiry in the academia on the one hand, and the rise of confusion, anger, and rigidity on the other.” He

urged that “restoring academic freedom may well provide a process that heals the disruptive breakdown of law, order and harmony.”

Among the foreign presenters, **Dr Daniel Christie**, Fulbright Specialist on Peace and Conflict Studies and Professor Emeritus at Ohio State University, USA, discussed how Peace Psychology can “apply psychosocial principles to prevent and mitigate direct, structural and cultural violence and promote harmony and equity in human relations.” **Dr Laura K Taylor**, Assistant Professor, University College, Dublin, elaborated how children having “a sense of group

boundaries has implications for conflict and its resolution.” **Dr Hamdi Muluk**, Professor of Political Psychology, University of Indonesia, discussed terrorist rehabilitation in the Indonesian context. **Dr Mirra Milla**, Associate Professor, University of Indonesia, emphasized the role of socio-psychological support in deradicalisation of terrorism detainees in Indonesia.

National scholarship was presented in good measure by academics based at NUST Islamabad, the University of Peshawar, COMSATS Lahore, Forman Christian College, Lahore, and the faculty members at UMT DPSIR. Research presentations were made by **Dr Muhammad Shoaib Pervez**, **Dr Fatima Sajjad**, **Dr Abeeda Qureshi** and **Sohaib Ali**.

The most valuable support extended by **Abid H K Shirwani**, Director General, UMT, Prof Dr **Rukhsana Kausar**, Dean, School of Social Sciences & Humanities, **Lt. Gen. (Retd.) Javed Hassan**, Director, Pak-Turkey Studies Center, UMT, and Offices of the President and Rector UMT, was instrumental in the success of this international conference.



Distinguished guests and organizers of the conference



# Educationists at CTLL 2019 Present Analysis of Linguistic Developments

The UMT Institute of Communication and Cultural Studies (ICCS) organized a National Conference on TESOL, Linguistics and Literature (CTLL) from March 20-21, 2019 under the supervision of **Dr Arshad Ali Khan**, Director ICCS, to provide a platform to young scholars, researchers and professionals to share their critical and literary engagements.

The CTLL aimed to proliferate establishment of strong linkages between academia and researchers not only to come forward with current research developments but also to motivate young minds in this particular field to foster a culture of research.

The program began with a welcome note by **Dr Arshad Ali Khan** followed by the keynote speech which was given by the chief guest **Dr Muhammad Aslam**, Rector UMT. He started with an overview of the need of such platforms as CTLL and also talked about the role of language in our lives. Before diving into the mainstream, he shed light on how English is evolving in the contemporary world. The debate then moved on to how it has taken



Dr Arshad Ali Khan, Dr Muhammad Aslam and Dr Shahbaz Arif during the inaugural session of the conference

shape around the world, and how it is applied in different fields.

**Dr Shahbaz Arif**, Dean, Faculty of Languages and Literature, University of Lahore, shared his thoughts on

**The CTLL aimed to proliferate establishment of strong linkages between academia and researchers**

significance of positive parenting practices in the education of children based on a study of behavioral change among Higher Secondary School students. He said that a

friendly environment is needed for positive grooming of our children.

**Dr Muhammad Kamal Khan**, Department of English and Applied Linguistics, Allama Iqbal Open University, Islamabad, also presented an interesting study of Pashto names from an onomasiological phonological perspective. **Dr Asim Karim**, Associate Professor, Department of English Language Teaching and Linguistics, University of Central Punjab, Lahore, talked about the canonization of Pakistani Literature in English. He pointed out that along with Pakistani literature in English, there is a need to work on Pakistani theory in English.

Overall, the CTLL included 99 presentations. The opening ceremony was in one coherent session followed by five parallel sessions, each building on the multidisciplinary ideas including TESOL, Linguistics, Literature and Culture. This approach allowed organizers to experiment with a variety of presentation techniques and facilitate a large range of presenters. Key panels and session chairs comprised of a range of distinguished speakers who provided varied and interesting insights into the discussion.



A view of the audience attending the conference proceedings



# International Conference Organized by UMT-ICPY Highlights Preventive Measures to Improve Mental Health

The 2<sup>nd</sup> International Conference on 'Preventative Strategies in Clinical Psychology: Preemption and Proaction' was organized by the UMT Institute of Clinical Psychology (ICPY) on March 13-14, 2019. It highlighted preventive measures which can be opted for addressing psychological problems in order to reduce mental suffering from the society. Prominent experts and professionals from various institutions and organizations participated in the conference.

**Dr Muhammad Aslam**, Rector UMT, welcomed the distinguished guests, faculty and participants, and emphasized the importance of Clinical Psychology in curbing the evils from society. He said that the academia and mental health professionals should work in collaboration. He added that it is essential to have vast knowledge of techniques and strategies that have been shown to be successful in the prevention of psychological disorders.

This international conference included keynote addresses by eminent international experts from US, Poland and Philippines. Nearly



Dr Muhammad Aslam presents souvenir to Dr Keith R Renshaw from GMU, USA

300 abstracts were received out of which at least 200 were fit for presentation at the conference. There was a poster display of more than 50 papers. There were nearly 20 scientific sessions held concurrently.

**Academia and mental health professionals should work in collaboration**

These sessions covered themes like helping the marginalized populations, managing interpersonal relationships,

parent-child relations, improving mental health and well-being in adolescence, special education, intervention effectiveness, health psychology, and so on.

Another striking feature of the conference was the panel discussion organized on the topic of 'Prevention in Clinical Psychology: Who will bell the cat?' The panel discussants included about 25 renowned professionals working in the field of Psychology in different cities of Pakistan. It is worth noting that 22 pre-conference training workshops were also organized. These were designed to train individuals in various preventive strategies. These workshops were conducted by foreign and local trainers.

**Prof Dr Zahid Mehmood**, Director ICPY, stated that traditional Clinical Psychology has been more preoccupied with remedial approaches to help psychological problems than preventing them in the first place. Now, we have sufficient knowledge and understanding of the processes underlying the onset and maintenance of psychological disorders. A number of experts discussed their views on spreading preventive clinical approaches to help the individual as well as communities at large.



Organizers and distinguished guests snapped at the conclusion of the conference



## UMT-STD and Textile Institute, Manchester, Organize 6<sup>th</sup> ICTC 2019

The UMT School of Textile and Design (STD) in collaboration with Textile Institute, Manchester, organized the 6<sup>th</sup> International Conference on Textile and Clothing (ICTC) on March 8-9, 2019. **Adil Basheer**, Chairman APTMA, and **Tahir Punjwari**, Senior Textile/Technologist Consultant, were the chief guests on the occasion. **Abid H K Shirwani**, DG UMT, also graced the conference with his presence.

The speakers included **Dr Emilia Visileanu** from National Development Institute for Textiles and Leather, Romania, **Dr Emine Koca** and **Dr Fatima Koc** from Ankara Heci Beyram Veli University, **Dr Muhammad Ali Afzal**, **Dr Hafsa Jamshaid** and **Usman Ahmad** from National Textile University, Faisalabad, **Dr Muhammad Mohsin**, Chairperson, Department of Textile Engineering, UET, Faisalabad Campus, **Dr Awais Khatri** and **Dr Shamshad Ali** from Mehran University of Engineering and Technology, Jamshoro, **Hameed K Latif**, CEO, TTI Testing Laboratory, and **Asna Mubashar** from College of Arts and Design, Punjab University.

**Dr Mumtaz Hasan Malik**, Dean-STD, expressed his utmost gratitude to all the speakers for their



Dr Mudassar Abbas, Syed Mehruz Qutab, Tahir Punjwari, Adil Basheer, Dr Muhammed Aslam and Dr Mumtaz Hasan Malik rise for the national anthem

participation. National and international textile professionals from clothing and fashion industries shared their experience, and joined in knowledge-sharing sessions regarding textile and clothing.

The 6<sup>th</sup> ICTC 2019 provided a platform for professionals around the world to exchange state-of-the-art research and development, and identify research needs and opportunities.

Renowned academicians, senior scientists, experts, industry executives and project leaders addressed the related topics, issues, best practices and trends essential for successful scientific and business strategies in the textile industry. Dr Emine Koca and Dr Fatima Koc offered to sign an MoU

under the Mevlana Exchange Program which aims at the exchange of students and academic staff between the Turkish higher education institutions and higher education institutions of other countries.

**ICTC 2019 provided an interdisciplinary platform to discuss the most recent trends, innovations and practical challenges**

The closing ceremony of the 6<sup>th</sup> ICTC 2019 was attended by leading professionals and industrialists who exchanged their experiences and research to enlighten the general public as well as professionals representing private and government bodies.

The 6<sup>th</sup> ICTC 2019 provided an interdisciplinary platform to discuss the most recent trends, innovations and practical challenges. It concluded on the address of session chair Dr Mumtaz Hasan Malik. Eminent speakers Hamid K Latif, Asna Mubashira, Usman Ahmad from National Textile University, and many others also shared their expertise.



Speakers and organizers snapped at the conclusion of the conference



## 4<sup>th</sup> IEFB 2019 Explores Socio-Economic Development in Islamic Economic System



Dr Muhammad Aslam addresses attendees of the 4th Global Forum 2019. On stage from left to right: Dr Rukhsana Kalim, Dr Yahia Abdul-Rahman, Ghulam Muhammad Abbasi, Justice (R) Khalil ur Rehman Khan and Abid H K Shirwani

The UMT Institute of Islamic Banking (IIB) organized the 4<sup>th</sup> Global Forum on Islamic Economics, Finance and Banking on February 27-28, 2019. The theme of the Forum was 'Islamic Economics, Banking and Finance towards the Socio-Economic Wellbeing: Where Do We Stand?'

This was a flagship event of UMT which successfully engaged world-renowned economists, scholars, intellectuals and students of the field in healthy debates and discussions. The researchers shared their original research and innovative ideas on the development of Islamic Economics and Finance. Six panel discussions

were conducted during the two-day event. Around 65 research papers were presented in ten parallel sessions on different sub-themes and more than 300 participants attended the event. All the honorable international and national guests appreciated the efforts put in by the organizing team of the Global Forum 2019.

The chief guest of the Forum was **Ghulam Muhammad Abbasi**, Director IBD, State Bank of Pakistan, whereas **Dr Muhammad Aslam**, Rector UMT, **Abid H K Shirwani**, DG UMT, and **Justice (R) Khalil ur Rehman Khan**, Chairman PHDA, were the guests of

honor. The keynote speeches were delivered by **Dr Yahia Abdul Rahman**, Chairman and CEO, LARIBA Bank of Whittier, USA, and **Dr Ai Kawamura**, Assistant Professor, Faculty of Business Sciences, University of Tsukuba, Japan.

Other renowned international experts who participated in the forum were **Dr Dzuljastri Abdul Razak**, Head of Internationalization, Kulliyah of Economics and Management Science, International Islamic University, Malaysia, **Dr Muhammad Ashfaq**, CEO, Editor-in-Chief: Global Business Magazine & News, Amanah Institute of Islamic Finance and Economics, Germany, **Dr Abdul Nasir bin Haji Abdul Rani**, Dean, Faculty of Islamic Economics and Finance, Universiti Islam Sultan Sharif Ali, Brunei Darussalam, **Amer Khalil ur Rehman**, CEO, Bakhtar Bank Afghanistan, and **Dr Amjad Saqib**, Founder and Chairman, Akhuwat.

The sponsoring and strategic partners of this Global Forum were Higher Education Commission (HEC) of Pakistan, the University of Lahore (UoL), and MCB Islamic Bank Ltd (MIB).



Distinguished guests attend the proceedings of the Global Forum



## ODR Arranges Meet the Rector Session for PhD Scholars

The Office of Dean Research (ODR) augments the research and development activities at UMT by working in close liaison among the schools, institutes and departments. ODR deals with all matters related to PhD degree programs at UMT. It is developing and implementing ways to guarantee quality in the activities of PhD research programs. ODR arranged 'Meet the Rector Session' for the PhD Scholars of UMT on March 6, 2019. The major objective of this session was to have a one-to-one conversation of PhD Scholars with the Rector regarding their journey in the PhD Program.

**Dr Sammia Shahid**, Dean Research, welcomed the scholars and shared various steps of PhD programs and policies. **Dr Muhammad Aslam**, Rector UMT, explained various initiatives taken to resolve issues of



PhD Scholars highlighted in the first session held one year ago. He accentuated the scholars to complete PhD degree in four years. Scholars asked many questions and appreciated the steps taken by UMT to streamline the PhD programs. ODR has provided this platform to the PhD Scholars to highlight their progress.

This was an independent channel of communication of all the PhD Scholars with the Rector where they shared their experiences and achievements. **Asif Saeed Haider**, Principal Secretary, Office of Rector, **Yousaf Jameel**, Director QEC, and **Zafar Younas**, Deputy Registrar, Academics, also joined the session.

## Winter Symposium on Electoral Dynamics of Pakistan



The UMT Department of Political Science and International Relations (DPSIR) organized a 'Winter Symposium on Electoral Dynamics of Pakistan with Special Reference to Election 2018' on January 26-27, 2019 in collaboration with Gallup

Pakistan, LUMS, and the University of Gujrat. In his opening remarks, **Dr Muhammad Shoaib Pervez**, Chairperson, DPSIR, discussed the significance of holding this Symposium and extended warm greetings to the 20 academics and

doctoral candidates coming from three provinces of Pakistan who attended this Symposium along with 40 UMT based participants. Spearheaded by the veteran scholar **Dr Ijaz Shafi Gilani**, Chairman, Gallup Pakistan, faculty members and research students worked together to identify challenges faced by Pakistan for holding free, fair and timely elections, and also deliberated upon possible solutions and necessary reforms.

The event concluded with the closing remarks of **Abid H K Shirwani**, Director General, UMT, who highlighted the utility of holding a symposium on such a pertinent theme, and appreciated the efforts of all organizers and participants.



## 5<sup>th</sup> UICPAM 2019 Attracts National and International Mathematicians



Abid H K Shirwani addresses the inaugural session. Also seen on stage (from L to R): Dr Muhammad Azhar Iqbal, Prof Dr Abdon Atangana, Dr Muhammad Aziz-ur-Rehman and Prof Dr Khalid Latif Mir

The 5<sup>th</sup> UMT International Conference on Pure and Applied Mathematics (UICPAM) 2019 was organized by the Center for Mathematics and its Applications (CMAP) from March 29-31, 2019. The objective of this conference was the establishment of a privileged forum for researchers working in different branches of Mathematics to exchange their ideas on recent developments in the field of Pure and Applied Mathematics and related disciplines.

Well-known mathematicians were invited to attend the 5<sup>th</sup> UICPAM as invited speakers. It is worth mentioning that international speakers including **Prof Dr Abdon Atangana** from South Africa, **Prof Dr Fahd Jarad** from Turkey, **Prof Dr Thabet Shuqair** from Kingdom of Saudi Arabia, **Dr Arsalan Hojjat Ansari Komachali** from Iran, and **Dr Liliana Guran** from Romania, delivered talks on various topics.

They also invited the faculty members and students of Pakistani universities to collaborate on joint research projects. Renowned Pakistani mathematicians working in diverse areas of Pure and Applied Mathematics including 20 invited speakers and more than 50 general

speakers also attended. The UICPAM 2019 attracted 300 general registered participants from six different countries and 25 universities from Pakistan. Most of the general audience were students and the conference provided them future directions for research along with recent developments in Mathematics.

The 5<sup>th</sup> UICPAM 2019 also honored **Prof Dr Khalid Latif Mir** with Life Time Achievement Award for his numerous contributions in the field of Applied Mathematics, and **Prof Dr Abdon Atangana** with Youngest Leading International Research Award.

The 5<sup>th</sup> UICPAM 2019 was funded by the Higher Education Commission (HEC) of Pakistan and

UMT. The closing ceremony was attended by **Abid H K Shirwani**, DG UMT, foreign and national invited speakers and general audience. The DG appreciated the efforts made by the organizing committee for holding such a successful event.

Prof Dr Fahd Jarad appreciated the interest of participants in such research activities. He emphasized on the need for joint ventures in connection with mathematical research between Pakistan and Turkey.

The UICPAM 2019 was the culmination of the support and guidance of **Ibrahim Hasan Murad**, President, ILM Trust and UMT, **Dr Muhammad Aslam**, Rector UMT, and **Prof Dr Azhar Iqbal**, Dean, School of Science (SSC).



Distinguished guests attend the proceedings of the conference



## President UMT Ibrahim Hasan Murad Meets Mujeeb-ur-Rehman Shami and Hafiz ullah Niazi



Renowned journalists **Mujeeb-ur-Rehman Shami** and **Hafiz ullah Niazi** called upon **Ibrahim Hasan**

**Murad**, President, ILM Trust and UMT, on February 18, 2019. During the meeting, veteran journalist

Mujeeb-ur-Rehman Shami shared memories of his long association with the Late Dr Hasan Sohaib Murad. He said that Dr Hasan was a dedicated educationist and his towering intellect is reflected in the great institution of higher learning that he has established.

Mujeeb-ur-Rehman Shami was later interviewed by UMT TV where he answered a wide range of questions related to the role of the youth in shaping the future of the country, and the challenges faced by Pakistan.

## Inge Iqbal, Director, DAAD Scholarship Program, Visits UMT

**Inge Iqbal**, Director, DAAD (*Deutscher Akademischer Austauschdienst* which means German Academic Exchange Service), visited UMT on February 7, 2019 and held meetings with **Dr Muhammad Aslam**, Rector UMT, and **Abid H K Shirwani**, Director General. Various research grant opportunities for faculty and students were discussed during the meeting. The respected guest was given a briefing about the diverse range of disciplines offered at UMT. It is worth noting that the



German Academic Exchange Service (DAAD) is the largest funding organization in the world supporting the international exchange of students

and scholars. Since it was founded in 1925, more than 1.5 million scholars in Germany and abroad have received DAAD funding.

## Michael Ruekert, Managing Director, DCG Hallee, Germany, Visits UMT



**Michael Ruekert**, MD, DCG Hallee, Germany, visited UMT on March 13, 2019 and held a meeting with **Ibrahim Hasan Murad**, President, ILM Trust and UMT, and **Abid H K Shirwani**, DG UMT. Collaboration with top tier German state universities was discussed. The distinguished guest also met **Dr Muhammad Aslam**, Rector UMT, and discussed various academic initiatives.

Academic partnerships with German State universities will commence from Fall Semester 2019. UMT students will be able to transfer their credit hours to Germany after one year master study at the home campus.



## OHR Organizes Employee of the Quarter Ceremony

An exclusive 'Employee of the Quarter Ceremony' was organized by the Office of Human Resources (OHR) on March 29, 2019 to celebrate the achievements, hard work, commitment and dedication of those UMT employees who performed exceptionally well in the first quarter of 2019. Sharing his views on the occasion, **Dr Muhammad Aslam**, Rector UMT, said that recognizing the achievements of employees is a great initiative. **Farhan Khawaja**, Head OHR, said that the ceremony



has been organized as a 'token of appreciation' of the excellence of UMT employees. **Kanwal Malik**, Deputy Manager, OHR, added that

this is the first time in the history of UMT that a ceremony to recognize exceptional performance of employees has been organized.

## UMT and Hebei University, China, Sign MoU

A delegation from Research Center for Social Development of Islamic Countries, Hebei University, China, visited UMT to establish educational and research ties between Hebei University and UMT. **Prof Bai Gui**, Director, Research Center for Social Development of Islamic Countries, led the delegation. He was accompanied by **Jing Qiang**, Associate Professor, and **Dr Yousaf Bashir**, Assistant Professor. Prof **Dr Mughees Uddin Sheikh**, Dean, School of Media and Communication Studies, welcomed the delegation.



## UMT School of Business and Economics Signs MoU with Alzheimer's Pakistan



Sustainable Development Initiative (SDI) facilitated in signing an MoU between UMT School of Business and Economics (SBE) and Alzheimer's Pakistan on March 13, 2019. **Dr Naveda Kitchlew**, Dean, SBE, and **Dr Hussain Jaffri**, Secretary General of Alzheimer's Pakistan, signed an MoU on behalf of their respective organizations.

SBE students will be engaged with Alzheimer's Pakistan for community services, internships and volunteer work. Both parties agreed to collaborate on more projects for community development. The MoU signing ceremony concluded on an exchange of souvenirs between both signatories.



## UMT Inks MoU with Green Fields Country Club

An MoU was signed by **Abid H K Shirwani**, Director General, UMT, **Rana Iftikhar Ahmad**, Director, External Relations, on behalf of UMT, and **Sufian Iqbal**, General Manager GFCC, on behalf of Green Fields Country Club Pvt. Ltd. on March 22, 2019. The senior management of UMT and TKS were also present on the occasion.

According to the terms of the MoU, the UMT community has the privilege of availing special discounts including 30% off on one day recreational package at GFCC while many more discounts on other facilities are also available. Green Fields is one of the most popular resorts of the country. It provides a



wide spectrum of services, meeting international standards to cater to families and corporates. Guests make the most of a holiday experience offering the highest level

of services. Serene and relaxing environment makes this well-rounded journey perfect for all those who want a respite from the daily routines of life.

## An Evening with Textile Alumni



UMT Alumni Executive Body and Office of Alumni organized hi tea for alumni serving in textile industry, fresh textile alumni and last semester textile students on March 16, 2019. **Dr Mumtaz Hasan Malik**, Dean STD, along with **Syeda Sidra Batool**, Assistant Professor, graced the event with their presence. **Tasneem Alam**, President, Alumni Executive Body, welcomed the guests and highlighted the importance of

networking. Other distinguished guests of the evening included **Dr Nabeel Amin**, General Manager, Business Development, Interloop Ltd., **Mahmoud Aslam**, First Batch STD, ILM/UMT alumnus, Director IF Trade, Switzerland, **Syeda Hamna Salman**, Operations Specialist Bareeze', Lahore, **Zunaira Najeeb**, Assistant Marketing Manager, Sapphire Finishing Mill, Mr **Tayyaab**, Turkish Brand XYZ,

Merchandiser, and Ms **Ayesha**, Assistant Marketing Manager, Maple Leaf.

All the alumni advised young graduates to remain focused, goal oriented and ready to take pressures. The key to success is hard work, dedication, meeting industry needs through innovation and creating ease in processes.

Dr Mumtaz Hasan Malik appreciated the networking opportunity and shared the growth and milestones achieved by STD. He asked graduates to get industrial exposure first before moving into entrepreneurship and focus on value addition in the garment sector. The alumni for their part, appreciated this meet up and extended their help to fresh graduates. The event closed on a note of thanks, an interactive session with young graduates and memorable photographs.



## PITAC and UMT Organize International Conference on Applied Entrepreneurship



Pakistan Industrial Technical Assistance Centre (PITAC) organized an international conference in collaboration with UMT to create a consortium for practical entrepreneurial implementations and exhibition in Lahore on March 29-30, 2019. The conference titled 'Applied Entrepreneurship – Think & Grow

International Conference 2019' was presided by **Abdul Razak Dawood**, Advisor to the Prime Minister on Commerce, Textile, Industry and Production and Investment as the chief guest. **Engr. Muhammad Irfan Zaheer**, Director General PITAC, expressed gratitude to **Dr Muhammad Aslam**, Rector UMT,

and **Abid H K Shirwani**, Director General, UMT, for their steady support as an official knowledge partner.

The conference covered five broad themes which included; Role of Technical Vocational Entrepreneur Training (TVET) in Applied Entrepreneurship, Belt and Road Startup Accelerator Innovative Entrepreneurship, Opportunities and Challenges for Entrepreneurial Start-Ups at China Pakistan Economic Corridor (CPEC), Information Technology and E-commerce for Entrepreneurial Start-Ups, and Industry, Innovation and Infrastructure Entrepreneurial Ventures.

The Rector and DG UMT stated that UMT will always support such entrepreneurial events. DG UMT stated that this event provided a great opportunity for bringing together the government, private sector, academia and the international community to address developmental concerns and also to give opportunities for job creation. The conference was supported by NAVTTC, UMT, TIHKM, UN, and UNIDO as well as private businesses.



## NTC Zero Visit for Accreditation of BS AMET Program

A team of National Technology Council (NTC) representatives visited UMT for conducting zero visit for accreditation of the program of Bachelor of Aircraft Maintenance Engineering Technology (BS AMET) on February 19, 2019. The team was given a comprehensive presentation on the AMET Program and briefed on the procedures being followed to fulfill the requirements set by NTC.

The team also visited the University's infrastructure including a trip to Walton Aviation Training School. The team highly appreciated the efforts put in by the faculty members for preparation of the zero visit and the University's approach in terms of being a leading aviation institute. The visit proved to be a successful one, as UMT achieved a landmark in the process of degree accreditation.





# UMT Celebrates Jashn-e-Pakistan Festival



UMT Office of Participant Affairs, in collaboration with Sitara Hilal Foundation, celebrated Jashn-e-Pakistan Festival on March 23, 2019. Teams from schools, colleges and universities from all over Pakistan participated in the event.

The day long celebrations comprised of the 5<sup>th</sup> All Pakistan Bilingual

Declamation Contest, calligraphy, sketching (still life), modern art (painting), poetry slam, spell bee and a much anticipated national singing competition.

Every competition was judged by a panel of renowned experts in their fields. The festival was organized in view of the celebrations to

commemorate Pakistan Day. The festival was attended by hundreds of people including students, faculty members, staff members and the general public.

Food stalls of all kinds were a major attraction for the visitors. The prize distribution ceremony was also held at the close of the event.





## Policy Conference on Building Innovative Pakistan

A policy conference on 'Building Innovative Pakistan through Science, Technology and Innovation Policy' was held on February 14, 2019, at Quaid-i-Azam University (Geo Auditorium), Islamabad.

The conference was jointly organized by South Asia Triple Helix Association (SATHA), Pakistan-France Alumni Network (PFAN), Quaid-i-Azam University (QAU), University of Management and Technology (UMT), Pakistan Institute of Development Economics (PIDE), Ripah Institute of Public Policy (RIPP), Institute of Space Technology (IST), Mehran University Institute of Science and Technology Development (MUISTD), Eco Science Foundation (ECOSF) and other partners.

Speaking on the occasion, **Shafqat Mahmood**, Federal Minister for Education and Professional



Training, said that we have to make our higher educational institutes as centers of excellence with people of great knowledge.

**Abid H K Shirwani**, CEO, IRP, DG, UMT, said that Science and Technology progress has direct links with economic progress of any country.

He added that our exports to a competitive market largely depend

on S&T budgets and S&T quality in the country.

**Prof Dr Muhammad Ali** (SI), Vice Chancellor, Quaid-i-Azam University, emphasized the need for a policy change at HEC level to encourage the faculty for innovation and collaboration.

**Prof Dr Manzoor Hussain Soomro**, President ECO Science Foundation (ECOSF), also graced the occasion.

## Pakistan Red Crescent (PRC) holds Session on Handling Emergencies

The School of Governance and Society (SGS) organized a 'Dissemination Session of Pakistan Red Crescent: Handling Emergencies Effectively' on February 25, 2019. The Chairman PRC Punjab, **Lt. Gen (R) Khalid Maqbool**, Former Governor Punjab, attended the session as the chief guest. Other guest speakers were **Muhammad Zahid**, Secretary, PRC, Punjab, **Ali Raza Mukhtar**, Manager Promotion and Communications, Punjab, and **Imran Latif**, Manager, First Aid Training. Pakistan Red Crescent Punjab branch has taken an initiative to create awareness on first aid,



disaster management, volunteerism, climate change, disaster risk reduction and blood donation at all the universities of Pakistan. The team delivered critical information

on handling emergencies proactively and effectively. The purpose of this session was to train students so that they may tackle any emergency if and when the need arises.



## SGS Organizes Seminar on Disaster Management Awareness

The UMT School of Governance and Society (SGS) organized its first inaugural seminar on 'Disaster Management Awareness: Investing Today to Save Lives Tomorrow' on January 3, 2019. **Mian Khalid Mehmood**, Provincial Minister of Disaster Management, attended the event as the chief guest.

Other guest speakers, including **Dr Shaukat Ali**, Secretary, PRC Punjab, and **Ali Raza Mukhtar**, Manager, Promotion and Communications, Punjab, spoke on the role of Red Crescent in managing emergencies in Pakistan. They also shared the opportunities for students to undertake PRC's volunteering and



community services assignments. The purpose of this awareness session at UMT was to train students and community for coping with emergencies in situations of natural calamities, fire accidents, and other manmade disasters.

Disaster management is a very broad arena that deals with a wide spectrum of activities related to humanitarian aspects of responding to emergencies. The level of preparedness in dealing with such situations is crucial to saving lives.

## UMT Welcomes Youth Icon Ali Zafar for a Dialogue on Pakistan



It was an exciting moment for UMT community when globally recognized Pakistani singing sensation **Ali Zafar** participated in a special Pakistan Day dialogue which was held at UMT Greens on March 21, 2019. The event was organized as part of the Pakistan Day Celebrations at UMT.

The UMT community actively participated in putting up a great show to mark their patriotic fervor and resolve to work for the progress

of Pakistan. The program, 'A Dialogue with Ali Zafar' was presented by UMT in collaboration with Public News TV. **Muhammad Ali Durrani** and **Muzammil Suharwardi**, leading anchors of Public Opinion program shown on Public News, hosted the dialogue.

Ali Zafar commented that Pakistan Day is a reminder of a vision for this great country. It is up to the youth of the country to work

towards attaining those ideals. He also shared how his talent and career as a musician and actor had helped him to make Pakistan proud on international front. UMT students also spoke about their resolutions for the betterment of Pakistan.

The UMT Campus was thronged by students, faculty and staff members who cheerfully welcomed the renowned singer.



## Celebrating International Women's Day

The Department of Gender Studies at UMT School of Social Sciences and Humanities (SSS&H) celebrated International Women's Day on March 8, 2019. Keeping in view the global theme of 2019; Think Equal, Build Smart, and Innovate for Change, the event aimed to promote gender equality and the empowerment of women, particularly in the areas of social protection systems, access to public services and sustainable infrastructure.

The celebrations of the day started with a symbolic peace walk. **Dr Muhammad Aslam**, Rector UMT, was the chief guest and was accompanied by **Abid H K Shirwani**, Director General, UMT, Prof **Dr Rukhsana Kausar**, Dean, SSS&H, **Asif Saeed Haider**, Principal Secretary, Rector Office, **Dr Ambreen Salahuddin**, Acting Chairperson, Department of Gender Studies, **Prof Dr Mumtaz Akhtar**, Chairperson, Department of



Education, **Iram Rasheed**, Lecturer, Gender Studies, and **Rozeen Shaukat**, Research Associate, Gender Studies. Other faculty members, SDF team and students also participated enthusiastically in the walk holding placards with meaningful slogans.

After the walk, an inter-university declamation and poster contest was also organized. The judges of the declamation contest included **Zahid Islam**, Executive Director, SDF, and Founding Director FAFEN, and **Dr Nadia Anwar**, Assistant Professor,

DELL. The judge for poster competition was **Muhammad Mustafa**, Brand Manager, OCM. A prize distribution ceremony was conducted for winners.

The first prize was won by **Tehreem Tariq**, Second by **Soha Ifthikhar** and third by **Maira Asif** in the declamation contest. In poster contest; first, second and third positions were won by **Aasia Sagheer**, **Bushra Sagheer** and **Anwaar** respectively. All participants were also awarded the certificates of participation.

## Sohail Warraich Delivers Talk on the Inspirational Thought of Renowned Poets



The UMT Office of Public Relations invited renowned journalist and media icon **Sohail Warraich** to deliver a talk on 'Allama Iqbal, Faiz Ahmed Faiz and Habib Jalib:

Inspiration and Prediction,' on January 22, 2019 at the UMT Campus. The guest of honor was welcomed by **Dr Muhammad Aslam**, Rector UMT, and the senior

management. Sohail Warraich also met **Ibrahim Hasan Murad**, President UMT, and discussed the role of media in our society.

Addressing on the occasion, Sohail Warraich said that Allama Iqbal, Faiz Ahmed Faiz and Habib Jalib were the assets of the nation who awakened the people from slumber in their typical philosophical, public and poetic style. He stated that the new generation needs to read them in depth, draw conclusions from their thinking and resolve the problems faced by today's world. Dr Muhammad Aslam concluded the event with vote of thanks and souvenir distribution.



## UMT ICBCC Inks MoU with Plan 9-PITB

Innovation Champions Boot Camp and Club (ICBCC) at UMT Office of Career Services inked an MoU on January 7, 2019 with Plan 9-PITB, Pakistan's largest Technology Incubator. The core objective of this MoU is to engage mentors and students in startup/entrepreneurial activities and increase the number of potential startups in order to inculcate and promote entrepreneurial ecosystem in Pakistan.

Under the terms of the MoU, Plan9 will offer invitations to attend trainings and workshops organized at Arfa Software Technology Park, Lahore. UMT entrepreneurs will also receive invitations to interact with



Atif Mumtaz, Director Entrepreneurship PITB, and Khalid Naqi, Director OCS, sign the MoU

Plan9 mentors either by personally attending mentoring sessions at Arfa Software Technology Park or by receiving remote mentoring online. Other advantages include promotion of trackable entrepreneurial

ecosystem in UMT and wild card entry in Plan9 for UMT students. The MoU presents a great opportunity for aspiring entrepreneurs to test their ideas and learn how to launch them commercially.

## International Collaborations by UMT Institute of Aviation Studies (IAS)



### Student Exchange Program with Istanbul Aydin University, Turkey

UMT Institute of Aviation Studies (IAS) signed an MoU for student exchange program with Istanbul Aydin University, Turkey. Under the terms of the agreement, IAS students will be engaged in the exchange program for up to two semesters of study at the host university. Istanbul Aydin University will provide UMT exchange students an opportunity of placing them in multinational corporations for internships.

The internship opportunity will be offered to selected exchange students during the summer. The exchange program will allow students to experience what it is like to live in Turkey and get to know their culture.

### Collaboration with Anhalt University, Germany

UMT Institute of Aviation Studies (IAS) has collaborated with Hochschule Anhalt, Germany, for launching Master in Logistics and



Aviation Management program. This academic partnership with Anhalt University will go a long way in securing the students' future.

The students will be able to transfer their credit hours to Germany after one year master study at the home campus.





## UMT-STD Invites Renowned Designer Mohsin Naveed Ranjha to Share his Success Story

UMT School of Textile and Design (STD) invited renowned designer **Mohsin Naveed Ranjha** to share his expertise and success story with the students on March 19, 2019. Speaking to the students, he said that he had started his work from a group of 2-3 people and now 400 employees are working in his business.

Mohsin added that he succeeded through constant hard work by catering for different clients and customers. Besides this, he explained about management of his studio working and a brief comparative analysis of Pakistani and Indian fashion industry.

He responded to students' queries regarding launching of a brand even on small scale, to proper display of garments during ramp walk, selection of fashion models and a proper understanding of makeup artists and



Ibrahim Hasan Murad, President, ILM Trust and UMT, presents souvenir to Moshin Naveed Ranjha

fashion magazines. Mohsin Ranjha also met **Ibrahim Hasan Murad**, President, ILM Trust and UMT, and discussed how design students may be best equipped for success in the competitive industry.

The seminar was attended by fashion design students and faculty members. It was organized by **Adil Masood**

**Qazi**, Acting Chairperson, Department of Design, **Rabbia Hassan**, Lecturer, **Anika Sitara**, Lecturer/Program Manager & Advisor BFD, **Anum Rauf**, Lecturer, and **Shaheem Imtiaz**, Demonstrator.

Known by the label MNR, Mohsin has showcased his collections in many fashion weeks.

## Dr Sammia Shahid and Muhammad Yousaf Jameel Represent UMT in International Web of Science Conference



Pakistani universities and researchers must channelize their efforts, break shackles of isolation and follow practices that are in place for solid international ranking. **Dr Sammia Shahid**, Dean Research, and

**Muhammad Yousaf Jameel**, Director QEC, presented UMT at an International Web of Science Conference organized in collaboration with Higher Education Commission and Center of Excellence in Molecular

Biology, University of the Punjab, on March 11, 2019. Representatives from Web of Science which is a global university rankings and journal impact factors issuing agency, came to Pakistan for the first time.

The conference focused on materializing the country's ambitious goals for increasing research and innovation, better international ranking of Pakistani universities and journals, and expanding knowledge-based economy. Experts from Web of Science demonstrated best practices for Pakistani higher education universities / journals / research organizations to attain better international ranking and transform research ecosystem of the country.



## Gender Equality and Empowerment Require More Efforts: Speakers at Gender Seminars



The UMT Department of Gender Studies (DGS) at the School of Social Sciences and Humanities (SSS&H) organized seminars to commemorate International Women's Day.

A research seminar on 'Gender Equality: National and International Protection Mechanisms' was organized to highlight the contributions of women on personal and professional frontiers. **Dr Rukhsana Kausar**, Dean, SSS&H, was the session chair. The speakers of the seminar included **Dr Abul Hassan Najmeh**, Former Secretary, Law and Parliamentary Affairs, Punjab,

**Salman Abid**, Executive Director, Institute for Democratic Education and Advocacy (IDEA), **Dr Naila Sahar**, Assistant Professor, DELL, and **Iram Rasheed**, Lecturer, DGS.

Another seminar on 'Women of Substance: Remembering Khalida Hussain, Altaf Fatima and Fehmida Riaz' was also hosted to share the insights of the writers' work and their personal memories. The guest speakers for this seminar were **Dr Arfa Sayeda Zehra**, eminent writer and Professor of History, FCC, **Atiya Syed**, eminent fiction writer and former Dean, LCWU, **Yasmeen**

**Hameed**, eminent poet, writer and former Editor Bunyad, LUMS, and **Dr Ambreen Salahuddin**, Assistant Professor, Department of Gender Studies, UMT.

All speakers concluded that women of the country have increased political presence, formed strong civil organizations and contributed to academic programs at universities. However, there is still much to be done in Pakistan for gender equality and empowerment. At the end of the ceremony, souvenirs were presented to guests and certificates were given to students of Gender Studies.

## CTL Organizes Workshop on Getting Research Papers Published



The Center for Teaching and Learning (CTL) organized a workshop titled 'Publish Don't Perish' on January 10, 2019, facilitated by **Dr Nauman**

**Khalid**, Director, School of Food and Agricultural Sciences (SFAS). A total of 35 faculty members from different schools and departments of UMT

participated in the session. The objectives of the workshop were to learn the art of writing, selecting and getting published in international journals, to comprehend newly introduced metrics and their place for research performance evaluation at micro and macro levels. Each part of the research paper (from abstract to conclusion) was explained with appropriate examples and guidelines in order to strategize a quality paper for high impact journals. Latest software tools used by researchers to enhance their productivity were also discussed.



## Dr Atif Hassan Conducts Knowledge Sharing Session



A knowledge sharing session was organized by the School of Professional Advancement (SPA) on February 19, 2019. Convened by Dr **Atif Hassan**, Director SPA, it focused on ideas and activities for team building.

Leadership management ideas and their implications were shared with faculty members. They took keen interest in ongoing research on the topic as interesting discussions were

the result of participant driven questions. The ideas stressed upon prioritizing the shared goals and teaming up effectively for achieving them. Participants admired command of the speaker on dynamics of role values of different kinds of team members with the leader in an organization.

It was interesting for every participant to self-evaluate oneself under various activities planned for

the session. They were equally captivating, ranging from figuring out the kind of social being they were to what sort of members they can be in a team in an organization.

Other practical exercises focused on the value of team work and communication of goals for mutually achieving them. Participants were shown results of effective communication as flow of information in team work and how every single member plays a critical role in it.

The session wrapped up with remarks from faculty members and other participants of the session. As the session was conducted at the start of the new academic semester, their remarks mainly included feedback for the session and takeaways for their professional goals for upcoming academic year. Note of thanks to the organizers, participants and especially to Director SPA was shared by all.

## SHRM Academic Initiative: A Path to Successful Career in HR



UMT School of Professional Advancement's (SPA) Master of Human Resource Management (MHRM) has been acknowledged by Society for Human Resource

Management (SHRM) as being fully aligned with SHRM's HR Curriculum Guidebook. SHRM is a professional human resources membership association headquartered in

Alexandria, Virginia. SPA organized a seminar on March 21, 2019 in continuation of the MHRM alignment, in collaboration with **Zahid Mubarak**, SHRM-SCP, GPHR, SPHRi, CEO of HR Metrics and Founder President SHRM Forum in Pakistan. He appreciated the initiative of SPA on curriculum alignment. He also elaborated the importance of SHRM certification for HR students as it is aligned with market demands. He further highlighted the gap and HR competencies (adaptable to technology and knowledge of HR metrics) which are required by companies and organizations who are seeking to hire graduates.



## Dr Yasmeen Hussain from University of Leeds, UK, Delivers Lecture on Islamophobia

The Department of Gender Studies (DGS) at the School of Social Sciences and Humanities (SSS&H) invited **Dr Yasmin Hussain**, Associate Professor of Ethnicity and Racism Studies at School of Sociology and Social Policy, University of Leeds, UK, to deliver a lecture on 'Islamophobia and the Challenges Faced by British South Asian Women' on March 26, 2019.

**Dr Rukhsana Kausar**, Dean, SSS&H, **Dr Abdul Hameed**, Former Dean, SSS&H, **Dr Ahmad Usman**, Assistant Professor, Institute of Communication and Cultural Studies, University of the Punjab, **Ayra Indreas**, Kinnaird College, **Iram Rasheed**, Lecturer, DGS, **Rozeen Shaukat**, Research Associate, **Ayesha Fayyaz**, Academics Officer, faculty and staff from other academic departments, and students enthusiastically participated in the seminar. **Dr Ambreen Salahuddin**, Acting



Chairperson, Department of Gender Studies, welcomed all the distinguished guests and participants.

Dr Yasmeen highlighted the issues experienced by British Pakistanis living in the West regarding their identity, and reported the rise of islamophobia, particularly institutional islamophobia trends. She further stated that islamophobia has been pointed out by Edward Said and the like in the past too but

it is a new phenomenon in this form. She said that Muslims are now treated as racist.

She referred to the facts from different groups such as Measuring Anti Muslim Attacks (MAMA), British Attitude Survey (ComRes), Muslim Millennium Generation (MI), etc. After a thought provoking discussion and vibrant question and answer session, tokens of appreciation and souvenirs were presented to the guests.

## Center of Aviation Research (CAR) Established in IAS

The UMT Institute of Aviation Studies (IAS) has established Center of Aviation Research (CAR) to enhance the research and entrepreneurial activities. Prof **Dr Ahmad Aizaz** has been appointed as Head of CAR flanked by **Nawaz Gill** and **Beenish Batul** to assist him.

CAR's recent achievements include guidance to the students who participated in the UMT DICE VIC competition. Three teams of IAS students were selected under the top five teams during the first round of the DICE VIC competition. During the final

round, the team representing the project 'Android Application Development for Aircraft Maintenance Engineers' stood first and won the competition. The winning team comprised of **Shahrukh Khan**, **Lazib Jamil** and **M Mehmood Ashraf**.

## OIN Facilitates in Student Exchange Program

The Office of Internationalization (OIN) facilitated 63 students of SBE and SST in 2018-2019. Under the student exchange agreements, UMT students benefitted from the exchange opportunities available at

multiple partner universities. In Spring 2019, Spring 2018 and Fall 2018, SBE students availed student exchange facilities at Tianjin Polytechnic University, China, Northeastern Illinois University



OFFICE OF  
INTERNATIONALIZATION

(NEIU), Chicago, and Wuhan University of Technology (WUT), China.



# LET'S BE THEIR HOPE



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## Office of Information and Admissions

The Office of Information and Admissions (OIA) is responsible for providing complete information for all programs offered by UMT. The prime function of the OIA is to guide students about their career options and future prospects of these programs. It welcomes students determined to learn and challenge their limits. The OIA team provides counseling to all students who are facing indecision in choosing an appropriate academic career. They plan and execute the total admissions process. This encompasses all aspects from career counseling to admissions, meeting parents and students, coordinating admissions tests, and holding orientation sessions. The OIA team analyzes the total admissions campaign from all dimensions and suggests strategies to ensure a qualitative intake by setting the highest standards of quality. The Office actively participates in educational exhibitions as well and plans and conducts outreach activities. Each year, the team of OIA visits different colleges and institutes to spread awareness about UMT and its programs.



# Knowledge @UMT



## Dynamic Economic Dispatch and Transient Control of Distributed Generators in a Microgrid

Jameel Ahmad, Muhammad Tahir, Sudip K Muzumder

### Abstract

Microgrids have multiple distributed generators (DGs) with increased penetration of renewable energy sources. Efficient integration of these DGs in a microgrid, whether in grid-connected or islanded mode, poses many challenges, such as optimal power sharing, control of load-side and generator-side transients, and economic dispatch (ED), to name a few. Different control strategies for power sharing and ED fall short in providing good dynamic performance.

To address this issue, we propose a novel solution that provides ED with improved dynamic performance. Specifically, the ED problem employs dynamic performance controller based on proportional-integral-derivative control for improved performance by using an augmented Lagrangian-based approach. For the distributed coordinated control of DGs, we utilize a multiagent system architecture. The performance evaluation results show that the proposed solution for ED improves the overall system performance of the microgrid. The system achieves an optimal state, where DGs operate at minimum cost while improving the transient response during load or generator switching.

### Introduction

An arbitrary microgrid is a cluster of multiple distributed power sources. Distributed generation is the term often used for small-scale power generation, in which multiple distributed generators (DGs), usually of few megawatt (MW) [1], are connected to form a microgrid. The increased penetration and integration of microgrids in energy sector in recent years has raised many challenging problems, such as economic dispatch (ED), efficient control of power sources and timely communication of system variables, power quality concerns, load transients, and system harmonics.

Due to limitations of conventional power sources and increased environmental concerns because of gaseous emissions, renewable energy sources along with storage system for backup are also becoming integral part of these microgrids. A microgrid meets energy needs of a small locality or injects excess power to the main utility grid.

It can work either in an islanded or grid-connected mode. A microgrid should seamlessly switch between these two modes during its operation providing efficient control and power management. Islanding may occur due to unplanned disturbances or preplanned scheduling. While a disturbance may override the system for some time, transients are generated due to load switching [2]. In this study, an islanded mode of the microgrid operation is considered and the process of entering or leaving of a DG leads to transients in the microgrid. The coexistence of renewable sources in the microgrid makes the magnitude of these transients even more pronounced.

**Note:** This article is available online at: <https://ieeexplore.ieee.org/document/8438861>





# The Importance of Emotional Intelligence in Leadership

Emotional intelligence or EI is the ability to recognize, understand and handle your own emotions, and those of the people around you. People with a high degree of emotional intelligence know what they are feeling, what their emotions mean, and how these emotions can affect other people. For leaders, having emotional intelligence is vital for success. Think about it: who is more likely to succeed at taking the organisation forward – a leader who shouts at their team when under stress, or one who stays in control of their emotions and those of others, and calmly assesses the situation?

According to Daniel Goleman, an American psychologist who helped to popularize emotional intelligence, there are five key elements to EI. The more a leader manages each of these areas, the higher their emotional intelligence.

## ■ Self-awareness

Self-awareness means you are always fully aware of how you feel, and you understand the effect your feelings and your actions can have on the people around you.

## ■ Self-regulation

Self-regulation prevents you from abusing your privilege of leadership to attack and/or stereotype others and making hurried or whimsical decisions that compromise your values. It calls for you to keep control of your emotions and how they affect others as well as stay committed to personal accountability.

## ■ Motivation

Self-motivated leaders work consistently toward their goals, motivate their employees and have extremely high standards for the quality of their work. They develop a healthy emotional connection to the results they seek from their efforts, harnessing them to drive them forward without being obsessive.

## ■ Empathy

Empathy is what allows you to put yourself in other people's shoes and consider their unique perspectives. This is very important when it comes to successfully leading a team or organisation. Leaders with empathy actively support the career and personal growth of their team members, offer criticism without crushing the recipient, and solicit regular feedback from their employees. Such leaders are what it takes to motivate employees to perform as per expectations.

## ■ Social Skills

Leaders with good social skills are great at communication, which comes in very handy when it comes to getting their team pumped about a new project or objective. They are emotionally intelligent enough to receive both good and bad news with the same clarity of mind and this makes their subordinates confident enough to update them on anything. Leaders with good social skills are also great at planning, effecting and overseeing major changes in the workplace as well as resolving any arising disputes fairly and promptly.

## ■ What Happens when Leaders are Emotionally Intelligent?

Leaders who are emotionally intelligent foster safe environments, where employees feel comfortable to take calculated risks. When leaders are emotionally intelligent, they can use emotions to drive the organisation forward. Leaders often have the responsibility of effecting any necessary changes in the organisation, and if they are aware of others' possible emotional reactions to these changes, they are able to plan and prepare the most optimal ways to make them.

*Adapted from:* <https://inside.6q.io/emotional-intelligence-in-leadership/>

# Life@UMT



Ibrahim Hasan Murad presents souvenir to Habib-ur-Rehman Gilani, Chairman, Planning and Development Board, Punjab



Dr Ahmad Murad, Chairman, ILM Trust, visits Walton Aviation Training School



Dr Ahmad Murad, Chairman, ILM Trust, snapped with the team of Quaid-i-Azam Campus during his visit



H.E. Emir Özbay, Consul General, Republic of Turkey, Lahore, receives souvenir from Ibrahim Hasan Murad



Prof Nisar A Siddique, Vice President AMDISA, during the meeting with Ibrahim Hasan Murad, President, ILM Trust and UMT



Hassan Taimor Khan Mumtaz, senior architect, snapped with participants after conducting workshop on 'Islamic Architecture'





Dr Saba F Firdousi, Advisor PITAC, receives souvenir from Abid H K Shirwani after conducting workshop on project management



Dr Muhammad Aslam, Rector UMT, snapped at Quaid-i-Azam Campus annual dinner



Abid H K Shirwani and senior management officials snapped after get-together with A G Ghaffari, former Registrar, UMT



Abid H K Shirwani, DG UMT, shares his views during the 'National Symposium on Fluid Dynamics'



Renowned fashion designer Kamiar Rukni shares his expertise with students of the School of Textile and Design



Participants of the workshop on PLC held in collaboration with Electrical Engineering Department, SEN



UMT Scouts (Female Guide) win the Best Hiker Award in 1<sup>st</sup> All Punjab Snow Hike for Girl Rovers



UMT Women's Judo Team wins 2 bronze medals in HEC All Pakistan Inter varsity Women Judo Championship 2018-19, held at University of the Punjab





# Alumni Success Story

## Lubna Khawar

MSc Psychology - Batch 1

CEO

Star Autism

### Professional Journey

I am an early intervention provider, autism intervention specialist with an extensive experience of 6 years. I am a board certified registered behaviour technician from behaviour analyst certification board USA, highly skilled in working with children who have autism spectrum disorder and other intellectual disabilities. Currently, I am the CEO of Star Autism which provides services for individuals with autism spectrum, along with training and mentoring their caretakers.

I am a devoted mental health practitioner, personal development coach, corporate wellbeing coach, ABT certified the listening program provider (USA), focusing initiatives international community and wellness practitioner (level 1), USA, a certified Reiki practitioner (level III), intuitive energy healer and mentor. I am also the former Director for Roots and Wings Autism Center, a project by the University of Lahore. Through their support, I attended various autism programs, such as the Sunrise Program and TEACCH autism program in the USA. I have also attended various workshops by Dr Vincent J Carbone in 'Applied Behaviour Analysis.'

### My Quest to Serve Humanity

I have journeyed in my life through turbulent childhood, depression, grief associated with my son's autism to evolve and be a strong, independent and empowered woman, embodying perseverance in the face of hopelessness. My son, Hassan Khawar has autism spectrum disorder since the age of 2. Since then, I made it my life's purpose to serve children with autism and special needs. This is my contribution to make life better for all those who have special needs. I think that society truly becomes better when we show compassion and understanding to those who are mentally challenged.

### Holistic Learning at UMT

I am honored to be a part UMT, the only private sector university in Pakistan that provides a high-quality inclusive learning environment for students with different types of disabilities. The institute is deeply grounded in very high morals founded on the legacy of Dr Hasan Sohaib Murad. I had completed my Masters in Psychology in 2014 and the most memorable time I have with UMT is when my research article entitled 'Spousal rejection and psychological distress: Mediating role of behavioural problems in children with Autism Spectrum Disorder (ASD)' was accepted for oral presentation at the 6<sup>th</sup> International Congress on Interpersonal Acceptance and Rejection 2016, Madrid, Spain. The article was also published in Pakistan Journal of Social and Clinical Psychology, Vol, 13, Number 1, 2015.

### Most Prized Achievements

I designed and created the 1<sup>st</sup> Multi-sensory Environment in Pakistan for children with special needs, autism, cancer and for the ones that are terminally ill. I also provide autism outreach services and free early intervention home visits for deserving families who have children with special needs and autism. I have been organizing free internationally recognized trainings and consultation camps in collaboration with Special Care Inc. (USA), which helped in empowering mothers, caregivers, and professionals working in the related field. I am best known for my unconditional love for children and this gives me the power to shift impossibilities into possibilities.



## Conference Participations by Department of Psychology

During the first quarter of 2019, the UMT Department of Psychology, School of Social Sciences and Humanities (SSS&H), actively participated in various activities. Prof **Dr Rukhsana Kausar**, Dean SSS&H, and **Dr Rabia Farooqi**, Assistant Professor, participated in panel discussion at 2<sup>nd</sup> International Conference on 'Preventive Strategies in Clinical Psychology.'

Dr Kausar was also a keynote speaker at '1<sup>st</sup> National Conference of Psychology for Sustainable Community: Challenges and Trends' in Department of Psychology, University of Sargodha. Dr Rukhsana Kausar also attended International Conference on Recent



Dr Rukhsana Kausar receives certificate of conference participation from Dr Zahid Mehmood

Trends and Interventions (RTICP) in Centre for Clinical Psychology, University of Punjab, Lahore. She also chaired a session in 2<sup>nd</sup> International Conference on Preventative Strategies in Clinical

Psychology, as well as in International Conference of Applied Psychology: Practices and Interventions (ICAP) in Institute of Applied Psychology, University of Punjab.

## Department of Psychology Faculty Members Conduct Workshops

**Dr Rabia Farooqi**, Assistant Professor, conducted workshops on 'Behavior Management of Students with Autism' and 'Role of Environment in Healing Process' in UMT Department of Architecture, School of Architecture and Planning. **Azher Hameed**, Lecturer, conducted workshops on 'Phenomenological Research,' both, at 2<sup>nd</sup> International Conference on Preventive Strategies in Clinical Psychology, ICP, UMT, and at Lahore Garrison University.

**Muhammad Faran**, Lecturer, conducted a workshop on 'Advanced Data Analytical Application through SEM using AMOS' at 2<sup>nd</sup> International Conference on 'Preventive Strategies in Clinical Psychology' and a workshop on 'Moderation-Mediation Analyses.' Moreover, the Department of Psychology secured 3rd position in the



Inter-University Quiz Competition at Mental Health Week 2019 at UCP which was supervised by Dr Rabia Farooqi and **Sara Kanwal**.

## Office of Dean Research Organizes SciPro Thesis Management Software Webinar

The Office of the Dean Research (ODR) in collaboration with the Center for Teaching and Learning (CTL) organized a webinar for MS and PhD thesis supervisors on SciPro (Thesis Management Software) on March 21, 2019. **James Bennet**,

Managing Director SciPro, presented the solution and its benefits. SciPro is an online ICT support system for management and supervision of thesis at bachelor, master and PhD levels. It has been designed to help manage thesis writing university wide,

fulfilling the needs of administrators, supervisors and students. By tracking, monitoring and researcher to supervisor interaction, UMT can improve retention and completion rates of bachelor, master and particularly doctoral level research.

## DITC Organizes National Seminar on Peace and Sufi Poetry

The Department of Islamic Thought and Civilization (DITC) in collaboration with Higher Education Commission, University of Gujrat, and Pagham-e-Pakistan arranged a national seminar on 'Peace Message in Sufi Poetry,' on January 29, 2019.

**Dr Rukhsana Kausar**, Dean SSS&H, presided over the seminar. **Dr Tahira Basharat**, Chairperson, DITC, **Dr Tahir Mustafa**, Associate professor, **Dr Tahir Hameed Tanoli** and **Dr Arshad Munir Laghari** addressed the seminar.

A large number of faculty members and students attended the seminar to acquaint themselves with the tenets of Sufism and the contributions of Sufi saints in the development of the



social order. The eminent scholars stated that the contribution of Sufi saints in developing harmony and peace in society is very important; Sufism itself promotes tolerance and compassion, and celebrates divine

love. They were also of the view that the travails of the present times demand that we should spread the message of prosperity and humanity in the light of Sufi poetry.

## Self-Development Program Series by UMT Library Club

UMT Library Club arranged a series of self-development programs to raise a learned generation in society. The first program was held on January 30, 2019. Renowned motivational speaker and Reiki Master **Rashad Mahmood** was invited to deliver a talk on 'Reshape your Life with Mind Power.' A large number of students, teachers and professionals from different universities of Lahore attended the session.



The next program titled 'Goodbye Stress' was arranged on February 20, 2019. **Husnain Abbas** was invited as

guest speaker. The speaker shared different tips and techniques to avoid stress and live a happy life.

## UMT Library Celebrates National Events

A book exhibition was arranged from February 2-9, 2019 to commemorate Kashmir Day. A huge collection of books related to Kashmir was displayed at the LRC. The purpose for organizing this exhibition was to unveil the precious

collection of books and to create awareness about Kashmir and its history. Students and other library visitors showed much interest in this exhibition. Documentaries on Kashmir were also played on the visual wall in LRC. Another

national event, Pakistan Day, was celebrated in LRC with great enthusiasm. Book exhibition, documentaries and Pakistani Flag were displayed in LRC to make visitors feel great and proud on being Pakistanis.



## SPA Students Visit MUST, Malaysia

International learning experience, cross cultural exposure and inter-cultural collaborations have assumed great importance in higher education. The exponential growth in higher education has given rise to the need for internationalization. UMT has also taken an initiative to provide globalized student exposure programs. **Dr Muhammad Aslam**, Rector UMT, privileged School of Professional Advancement (SPA) by engaging the participants to go global. Consequently, SPA collaborated with Malaysia University of Science and Technology (MUST) for short professional development program. A total of 17 SPA participants accompanied by two faculty members left for Malaysia on January 21, 2019.



The International Student Mobility Program was led by faculty members from both universities including Professor **Nor Adnan**, **Dr Harwindar**, **Dr Atif Hassan**, **Zakee Saadat** and **Dr Syed Mohammad Reza**. It was a great learning experience for participants from both universities. MUST planned some industrial tours in Malaysia including

a visit to Petronas Twin Tower during which MUST students also accompanied UMT students. Other places which were visited included Central Bank of Malaysia (Bank Negara Malaysia) and a visit organized to the Ministry of Transport, Malaysia. In the end, students were again commuted back to MUST where certificates were awarded to them.



International Student Mobility Program was a great opportunity to explore the diversification in culture and values being practiced at MUST. It was a great convergence between two universities and cultures which opened up new horizons of internationalization of students.

## UMT-SST Student Selected as Delegate at 2019 HPAIR Harvard College Conference

**Mishaal Ahmed**, student of MS Computer Science, School of Systems and Technology (SST), UMT, secured position of delegate from a highly selective pool of international applicants to attend the Harvard College Project for Asian and International Relations (HPAIR), Harvard College Conference at Harvard College in Cambridge, Massachusetts, USA, held from February 15-18, 2019.

He achieved this distinction under the mentorship of **Dr Muhammad Shoaib Farooq**, Associate Professor,

SST. Mishaal is the first Pakistani student who has been chosen by the Harvard selection team as HPAIR delegate based on the acceptance of his research idea followed by an interview. It is an extraordinary accomplishment for a UMT student to be accepted at the 2019 HPAIR Harvard College Conference.

HPAIR is an internationally recognized student organization at Harvard College. It offers a forum of exchange to facilitate discussion of the most important economic, political and social issues relevant to



the Asia-Pacific region. A total of 300 delegates are selected after rigorous selection process to attend the 2019 HPAIR Harvard College Conference.



# UMT Muscular Rehabilitation Society

The UMT Muscular Rehabilitation Society was established in 2017 by the Office of Participant Affairs (OPA) to unite the students of physical therapy on a single platform at UMT and create an environment of theoretical learning supporting practical work. Members of the Society work tirelessly to cause awareness regarding manual therapy and electric modulations for the maintenance of healthy and physically active lives.

The Muscular Rehabilitation Society helps people to know the significance of physical fitness in our lives through organizing seminars and workshops. It also assists career-oriented and ambitious students to achieve success through professional advice and sharing of techniques which help them to excel. The basic purpose of this Society is to give a practical work exposure to the interested students in order to support their learning. It also arranges sessions for dissemination of latest researches and advancements in the related fields and arranges intra and inter university collaborative events and career counseling events.





## Prof Rune Ottsen Delivers Lecture on Propaganda and Fake News

The UMT School of Media and Communication Studies (SMCS) organized an international lecture on 'Propaganda and Fake News in War and Peace Journalism' on March 2, 2019. The lecture was organized in collaboration with the Association of Media and Communication Academic Professionals (AMCAP). The theme of the lecture was significant in view of the contemporary conflict between India and Pakistan; consequently there was a hysteric display of jingoism on mass media of both countries.

The guest speaker **Prof Rune Ottesen** expressed that we must focus on peace journalism, journalistic safety and stick to the ethics of journalism.

The world cannot afford war or war reporting which is widely believed to be based on propaganda reporting. War reporting backed by propaganda always leads to mass



Prof Emeritus Rune Ottosen, Oslo Metropolitan University, Norway, receives souvenir from Abid H K Shirwani after delivering the lecture

destruction and hatred, whereas peace journalism leads to wider stability and love.

**Abid H K Shirwani**, DG UMT, Prof **Dr Abdul Hameed**, Adjunct Prof, **Dr Bushra Rehman**, Associate Professor ICS, PU, **Dr Abida Ijaz**, Assistant Professor, ICS, PU, UMT faculty of

SMCS, journalists and a large number of students participated in the event.

Dr Bushra congratulated Prof **Dr Mughees Uddin Sheikh** on organizing such a fruitful seminar. DG UMT Abid H K Shirwani, and other noted figures also spoke on this occasion.

## Dale Hudson from New York University Speaks on Invisible Geographies

The UMT School of Media and Communication and Studies (SMCS) organized an international lecture titled 'Invisible Geographies: Interactive Documentary and Postcolonial Histographies' on March 25, 2019 in UMT. Prof **Dr Mughees Uddin Sheikh**, Dean SMCS, welcomed the guest speaker in his opening remarks and thanked him for sparing the time to visit UMT. He also shared few glimpses of future plans and development for SMCS.

The guest speaker **Dale Hudson** from New York University, Abu Dhabi, highlighted the importance and capacity for interactive



Dr Mughees-us-Din Sheikh, Dean, School of Media and Communication Studies (SMCS), presents souvenir to Dale Hudson, New York University, Abu Dhabi, UAE

documentary to the students, which is loosely defined as nonfiction media that runs on web or mobile platforms to activate what is termed as

'invisible geographies.' In the end, a question and answer session was held for the benefit of the participants of the seminar.





# UMT TV

Deliver Matter with a Purpose



Talk with Justice (R) Nasra Javed Iqbal



Talk with Brig (R) Ghazanfar Ali, Analyst



Talk with Dr Khalid Sohail, Canadian Author, Humanist and Psychotherapist



Talk with Dr Faisal, Herbalist, Health and Beauty Consultant



Talk with Dr Ruksana Kausar, Dean, School of Social Sciences and Humanities (SSS&H)



Talk with Hasan Afzal, Manager Marketing and PR, Pakistan Sweet Homes



Talk with Aneela Mehmood, Director Public Relation-JI



Talk with Dr Naveed Afzal, Director, School of Health Sciences (SHS)





Talk with Musarrat Misbah, Founder and CEO, Smile Again Foundation and Deplex



Talk with M Usama, Advocate



Talk with Mohsin Jaffer and Mohsin Gillani, Senior PTV Producer and TV Actor



Talk with Mujeeb ur Rehman Shami, Senior Journalist



Talk with Tanzila Khan and Salman Ahmad, Adviser Entrepreneurship Development Program and Regional Head Punjab, Hashoo Foundation



Talk with Muneeb Qadir, Advocate



Talk with Mudesar Ali, Nutritionist, Omer Hospital



Talk with Zouq Ahmad, Anchor, Lahore News



## DELL Writer's Talk Series: Dr Osama Siddiqui Talks About his Novel

Writers Talk Series, DELL  
invite you to the talk by



The UMT Department of English Language and Literature (DELL), SSS&H, invited **Dr Osama Siddiqui** to talk about his novel 'Snuffing out the Moon' in continuation with 'Writer's Talk' series on March 12, 2019.

Dr Osama talked in the context of Postcolonial and South Asian novel writing tradition. 'Snuffing Out the

Moon' is a historical novel of vast span looking at six different eras of South Asian history and set in the period 2084 BC to 2084 AD.

It explores how fundamentally similar human emotions shape events and destinies of individuals and nations across the ages, and yet how the human civilizational process is also evolving in complex ways. Its

protagonists are those who rebel against what they deem as unjust established order and invariably pay a price for it. Across the epochs, these characters are connected through ideas, ideologies, artifacts, and archaeology. History lives through them while the future is germinating within them.

The novel also questions how history is written and preserved, how 'othering, demonization and apartheid' recur regularly, and also the enigmatic nature of evil. The speaker has been a Rhodes Scholar at Oxford, a lawyer in New York and Lahore, and a policy instructor in various countries. He is a renowned legal scholar, respected university teacher and reform consultant. He has worked in various capacity in Pakistan, and has been a visiting professor at Harvard Law.

## Dissertation Writing Retreat for PhD Students

To shake the mythology of writing as a solitary activity, the Department of English Language and Literature (DELL), SSS&H, provided students with a dissertation writing retreat where they got together with other graduate students in a quiet, distraction-free space for three solid hours of dissertation writing. The session was organized by **Dr Naila Sahar** on February 4, 2019.

The aim of this session was to create an interactive environment where the scholars could indulge in productive discussions regarding writing tools with faculty and fellow students. The discussion in the session encompassed how to develop self-confidence in one's abilities as a creative scholar, how to balance one's



priorities, ways to break down the dissertation into parts and portions, and manage writer's block or negative thoughts that sabotage one's writing process. The session also

focused on sharing one's concerns and frustrations with people who are familiar with the entire dissertation process, developing writing deadlines and weekly self-accountability.



## OCS and Career Karwan Organize CSS Training Seminar

The Office of Career Services (OCS), in collaboration with Career Karwan, facilitated UMT students by conducting a Central Superior Services (CSS) training seminar on March 6, 2019. **Yasir Pirzada**, Commissioner Income Tax, delivered guidelines to students regarding relevant and required information for CSS preparation. It is worth mentioning that Yasir is also a columnist for the Daily Jang and The News.

The speaker also talked about important tips and tricks to ace the exam and the success factors required for qualifying this most competitive examination. Nearly 250 students attended the seminar and benefited from this informative



session. In the end, Yasir Pirzada answered the questions of the students and guided them accordingly. The attendees of the

seminar were of the view that the session had really helped them to understand how to prepare for this examination.

## ICBCC Organizes Photoshop Workshop for Beginners

A beginner level Photoshop workshop was organized by Innovation Champion Boot Camp and Club (ICBCC) for the students on February 15, 2019. The trainers of the session

were UMT graduates **Fawad Ali Khan** and **Tayyab Saqib** from InsanceSol. The trainers taught the students to create and combine symbols, images and text to form

visual representations of ideas and messages. Tayyab focused on both theoretical and practical parts. Different exercises were assigned to the trainees as well.

## OCS Organizes Induction Session by Pakistan Air Force



UMT Office of Career Services (OCS) organized an induction session by Pakistan Air Force on March 1, 2019. Squadron Leader **Amjad**

**Imran** delivered the session and briefed about the induction plan for graduates who wish to work with PAF in selected domains. PAF

commissions promising and dedicated youth in the officer cadre like (GD (P)/CAE (Psychology/ Islamiat), Meteorology, legal, etc. for its different branches biannually.

The students were also informed about the eligibility criteria for different positions at PAF. Students attended the session with great enthusiasm. An in-depth question and answer session was also conducted, and was followed by a group photograph.

## Sports and Cultural Day at ILM College, Sargodha



## More than 2000 Students Participate in Talent Hunt Program 2019 at ILM College, Gujranwala





# ILM College, Gulberg

ILM Group of Colleges has attained a significant milestone with the opening of a state-of-the-art campus in Gulberg, Lahore. This campus is poised to set a new benchmark in quality education. The college has a spacious campus with the best facilities in terms of infrastructure, computer labs, scientific labs, library, grounds, cafe, conducive learning environment and other amenities. The team is highly experienced with a proven track record of excellent performance in their respective areas of studies. The campus management has a blend of academicians and professionals to lead this project with highest standards of academic excellence.



## Interview Sessions



## Bikers Showdown





**THE KNOWLEDGE  
SCHOOL NETWORK**

A Project of ILM Trust

INSPIRE TO RISE



## Message from Director TKS Mariam Murad

Established more than a decade ago, The Knowledge School Network aims to improve opportunities for children and young people in Pakistan and equip them with the knowledge, skills, strategies, and values that will allow them to excel in a fast-paced and competitive world. Through its affiliations and initiatives, TKS aims to push the boundaries of education across the region within and beyond the classroom, and to promote positive change and counter the stagnation and decline of quality education and learning outcomes. Pakistan's key resource is its people and investing in their education and skills is of paramount importance to Pakistan's socially inclusive development and its global economic positioning.

In Pakistan, TKS aims to become a reference point on educational change, and to serve as a hub of new ideas for education and development. TKS will also act as an incubator for new educational programs. The identification of these new programs, which address educational gaps and needs in Pakistan as well as respond to opportunities for innovative approaches, is based on research and field experience and reflects Dr Hasan Sohaib Murad's vision for education reform.



## TKS Participation in Life Skills Olympiad



The Knowledge School (TKS) Network always endeavors to inculcate 'Critical Thinking' and 'Life Skills' among its students in order to prepare them to meet the challenges of the 21<sup>st</sup> century.

Carrying forward the mission of TKS, the Head Office offered an excellent opportunity to all TKS students to participate in 'International Life Skills Olympiad

(ILSO 2018-19)' to ensure their holistic development. Participants included **Abeeha Amjad**, Idrees Campus G5, **Abeera Rizwan**, Omer Campus, G5, **Ammar Shabbir**, IMT Campus G5, **Amna Yousaf**, Idrees Campus, G5, **Anum Taufiq**, Idrees Campus, G7, **Fatima Sajid**, IMT Campus G7, **Hira Fatima**, Omer Campus, G6, **Imama Sajid**, IMT Campus Gpre 9, **Mahroo Amjad**, Idrees Campus G5, **Malaika Amjad**, Idrees Campus, G7, **Muhammad Arsalan**, Idrees Campus G5, **Muhammad Bin Ehtesham**, Idrees Campus, G3, **Muhammad Hamza**, Haroon Campus, **Muhammad Usman Ghani**, Idrees Campus G6, **Mursaleen Jameel**, Idrees Campus, G4, and **Uzaima Rashid**, Idrees Campus, G6.



ILSO is a worldwide mission across 100+ countries to assess the real world readiness of school going children from class III-XII.

It is the world's first test on Life Skills to check the proficiency of young citizens in skills such as: Leadership, Economic Common Sense, Ethics, Goal Setting, Teamwork, Decision Making, Negotiations and a whole range of other 21<sup>st</sup> century skills. TKS Head Office extends warm congratulation to the students who successfully completed the ILSO Test 2018-19.



## TKS Orientation Session 2019

TKS Head Office organized Network Associates Orientation 2019 on February 16, 2019 at UMT, Lahore. More than 10 campuses participated in this session. **Brig (R) Shahid Akram Kardar**, Country Director TKS, gave the opening remarks and welcomed the newly inducted NWAs.

It was a great honor for TKS to have **Abid H K Shirwani**, Director General, UMT, as chief guest. The ceremony concluded on his visionary speech for TKS and award of certificates of association to the freshly inducted NWAs. The event was also clubbed with award of recognition



for three best employees of TKS Head Office. **M Nasir**, Manager, Publication and QA, was presented 'Award of 10 Years Excellent Service Recognition.' 'Employee of the Year'

award was presented to **Sabeen Gul Farhan**, Assistant Manager, HR, while **M Waseem**, Recovery Officer, became 'Employee of the Term' (June-December 2018).

## Classroom Management Training at TKS Head Office



TKS Head Office Academics team ensures that the school teachers are well equipped and familiar with the latest educational practices to meet the educational needs of 21<sup>st</sup> century students. To serve the same purpose, a training workshop titled 'Classroom Management,' was conducted by **Anjum Mumtaz**, Academics Head, **Ishrat Tabassum**,

Preschool Coordinator (Teaching of Phonics), and **Naureen Nazir**, Subject Specialist (Scope of Life and Learning). Child Psychology session was conducted by **Dr Zahid Mahmood**, Director ICPY, UMT, and his team from Institute of Clinical Psychology. Dr Zahid Mahmood and his team briefed about why studying the child's mind is important for

mental and physical growth. The team talked about how the school students need counselors and mentors to become good citizens with positive minds. They talked how child psychology has evolved over the last decade. The teachers gave positive feedback after the sessions and were keen to apply the latest pedagogical techniques.

# UMT Sialkot Campus

## KUBEAC Organizes Seminar to Promote Organizational Competencies



The UMT Knowledge Unit of Business, Accountancy and Commerce (KUBEAC) under the supervision of **Arshia Ishaq**, Lecturer, School of Business and Economics, organized a seminar, 'Managerial Issues in

Industry' on January 8, 2019. The aim of the seminar was to highlight the work experiences of prominent business leaders and the role of their organizations in shaping the industrial sector of Pakistan. The students learnt

about the management roles and ways on how educational theories are applied in real-life organizations.

Prominent guests included **Ammar Mughal**, Manager QC Department, Good Nice Enterprise, **Shah Nawaz**, Branch Manager, Jubilee Insurance, **Muhammad Asim**, HR Manager, Juvenile Enterprises, **Ubaid Nayyar Mufti**, HR Specialist, Coca Cola Icecek, Pakistan, **Ahsan Khan**, Merchandise Manager, Forta Industry, **Abdul Rehman**, Owner Cherokeeez and **Nouman Khalid**, Director, KT Surgical.

## PEC Grants One-Year Accreditation to BS Electrical Engineering Program

Pakistan Engineering Council (PEC) has granted one-year accreditation to the Bachelor of Electrical Engineering program at UMT Sialkot. The PEC issued the notification after approval from EA&QEC/EAB for accreditation of the 2014 batch of BS Electrical Engineering program for one year. The PEC team including Engr Prof **Dr Aamir Iqbal Bhatti**, Team Lead/Convener, Engr Prof **Dr M Asghar Saqib**, PEV/Expert Electrical Engineering, Engr Prof **Dr Hameedullah Kazi**, PEV/Expert



Electrical Engineering and Engr **M Ansar**, PEC Representative, visited Sialkot. The team submitted its recommendation to PEC, based on Outcome Based Education (OBA)

guidelines. During the visit, **Syed Muhammad Belal**, Director Campus, and **Dr Aun Haider**, Chairperson of Electrical Engineering Department, welcomed the team members.



## UMT Muscular Rehabilitation Society Sets up Medical Camp in Okara



The UMT Muscular Rehabilitation Society, organized 'One-day Free Medical Camp in Okara.'

The aim of the medical camp was to administer health assessment, spread health awareness and provide health counselling. The medical camp was set up in Village Chak

Number 33/2-L, Okara, on March 9, 2019. Proper medical treatment of around 350 patients from 17 nearby villages was done.

Remedial measures were provided free of cost, including the basic medicines required for an early recovery. The team members of

Muscular Rehabilitation Society included **Dr Zaheer** and **Dr Mahnoor**, Physiotherapists, **Dr Naseer Ahmed Khan**, Physician, **Dr Aleena Imran**, Gynecologist, **Dr Hafiz Muhammad Imran Gondal**, Child Specialist, **Dr Ahmed Kamal**, ENT specialist, and **Dr Saleeha** and **Dr Farwa Munir**, Nutritionists.

The chief guest was **Sardar Asad Ali Khan Baloch**, Mayor Sahiwal. **Safia Rehmatullah**, Principal of Rehmat School, Okara, and **Muhammad Masood Ahmed**, AVP HBL, were the honorable guests.

Earlier, Sardar Asad Ali Khan Baloch and Safia Rehmatullah inaugurated the camp.

## UMT Participates in University Sports League (USL) 2018-19

The Higher Education Department organized the University Sports League 2018-19. The opening ceremony of the League was held at Punjab University on March 16, 2019. **Raja Yasir Humayun**, Punjab Minister for Higher Education was the chief guest. **Prof Niaz Ahmad**, Punjab University Vice Chancellor, was also present on the occasion. According to the PU sources, 48 universities of the country are participating in the sports gala.

The UMT team was captained by **Faisal Abbas**. UMT played their first match against University of Education on March 19, 2019 and won by 8 wickets. UMT played their second match against Khawaja Fareed University, Rahim Yaar Khan, on March 23, 2019 and won by 9 Wickets. UMT played their third match against UVAS Lahore on April



8, 2019. UMT won the match by 82 runs. It is worth noting that **Abid H K Shirwani**, DG UMT, also

inaugurated the USL Professional League hosted by UMT at Aleem Dar Cricket Academy.



## OPA Invites UMT Community to Celebrate Spring Week

The Office of Participant Affairs (OPA) welcomed spring by inviting everyone to celebrate Spring Week (March 5-15, 2019) at UMT with full zeal and zest. The week was divided into vibrant colors for each day. Participants followed the color days and wore dresses depicting the theme of spring.

The first color day was celebrated by wearing orange, depicting happiness, creativity and freedom. This was followed by yellow which denotes competence and happiness, green which shows good taste and relaxation, white showing happiness and purity, blue which shows high quality, and purple/violet which shows authority and power. Complementing the fun side, Daku Day was celebrated on March 13, followed by Yo Day and Desi Day.



## UMT Finalists in Microsoft Imagine Cup



**M Ahsan Habib, M Umer Irshad and M Anas Habib** from the School of Systems and Technology (SST) developed an 'Augmented Reality Application for Learning' which was showcased at the Microsoft Imagine Cup 2019.

Microsoft, in collaboration with HEC, shortlisted 30 projects from over 300 submissions made from 50+ participating universities across Pakistan. These were showcased at the event in Islamabad. **Shafqat Mehmood**, Federal Minister for

Education, graced the occasion as chief guest. This is a great achievement for UMT and these young innovators deserve our congratulations and encouragement for representing the University at this forum.

## UMT SBE Information Systems Students Awarded Oracle Academy Certification

Students from the UMT School of Business and Economics (SBE) successfully completed the course on 'Database Management Systems.'

They were awarded with the Oracle Academy Certification. **Sajeel Shahzad**, Oracle Academy Country Manager, awarded the certificates

to the students. The Information Systems Department has been in Academic Alliance with Oracle Academy since 2014.

By connecting three pinnacles of success - industry, education, and application - the Information Systems Department prepares its students by teaching them the essential skills,

strategies, and the technological tools used by the industry.

This university alliance is empowering students to adapt to the changing world by preparing them for the workplace through technology, giving them an edge over other university graduates and paving way for them to become future leaders.



# Research and Publications

## Research Paper Publications by Dr Sammia Shahid

**Dr Sammia Shahid**, Dean Research & Associate Professor, Department of Chemistry, School of Science (SSC), was honored to present a research paper in the 2<sup>nd</sup> International Conference on Functional Materials and Chemical Engineering (ICFMCE 2018) held on November 20-22, 2018 at Khalifa University, Abu Dhabi, UAE. The conference was sponsored by the Higher Education Commission (HEC).

The paper was titled 'Antidiabetic Activity of Extracts of Pistachia khinjuk on Alloxan Monohydrate induced Diabetic Mice, co-authored by **Saima Taj**.

Dr Sammia Shahid, also contributed research papers in impact factor Journals in January 2019.

These include the following:

**1:** Shakeel Ahmad Khan, Sammia Shahid, Maryam Nazir, Sadia Kanwal, Sabah Zaman, Muhammad Nazim Sarwar, Shah Muhammad Haroon, Efficient Template Based Synthesis of Ni Nanorods by Etching Porous Alumina for their Enhanced Photocatalytic Activities against Methyl Red and Methyl Orange dyes, Journal of Molecular Structure, Volume 1184, 2019, Pages 316-323, Impact Factor: 2.01

**2:** Shakeel Ahmad Khan, Sammia Shahid, Sadia Kanwal, Komal Rizwan, Tariq Mahmood, Khurshid Ayub, Synthesis of novel metal complexes of 2-((phenyl (2-(4-



sulfophenyl) hydrazono) methyl diazenyl) benzoic acid formazan dyes: Characterization, antimicrobial and optical properties studies on leather, Journal of Molecular Structure, Volume 1175, 5 January 2019, Pages 73-89, Impact Factor: 2.01

## IEEE Systems Journal Publishes Research Article by Jameel Ahmad

A research article authored by **Jameel Ahmad**, Assistant Prof, Department of Electrical Engineering, UMT School of Engineering (SEN), published in IEEE Systems Journal (Volume: 13, Issue1, March 2019 ) is now available online.

The article is titled 'Dynamic Economic Dispatch and Transient Control of Distributed Generators in a Microgrid.'

The research article's impact factor is 4.337. This is a great achievement for

UMT School of Engineering and will accelerate national and global ranking of UMT.

The article explores microgrids which have multiple distributed generators (DGs) with increased penetration of renewable energy sources.

Efficient integration of these DGs in a microgrid, whether in grid-connected or islanded mode, poses many challenges, such as optimal power sharing, control of load-side and generator-side transients, and



economic dispatch (ED), to name a few.

## Springer Journal Publishes Article Co-Authored by Dr Sajjad Shami

A research article co-authored by **Dr Sajjad Shami**, Prof, UMT School of Engineering, Department of Electrical Engineering, and HEC Approved PhD Supervisor, has been published in Springer Journal 'Analog Integrated Circuits and

Signal Processing' with impact factor 0.8. The research article is titled 'A digital logic controlled variable resistor with isolation and scalability.' The UMT community congratulates Dr Shami on this distinction and wishes him all the best for future endeavors.



## Abdul Rafay Publishes Book as Editor-in-Chief

**Abdul Rafay**, FCA, Professor, UMT School of Business and Economics has published a book titled 'FinTech as a Disruptive Technology for Financial Institutions' in the USA, as an Editor-in-Chief.

This title has been placed in the book series 'Advances in Finance, Accounting, and Economics (AFAE) Book Series (ISSN: 2327-5677; eISSN: 2327-5685)' duly registered in Library of Congress Cataloging-in-Publication Data. The publisher IGI Global is one of the largest North American publishers and most of its publications are indexed in Web of Science.

This book will also be indexed in Web of Science (book citation index). The International Advisory & Editorial Board of this book consists of eminent professors and researchers

from USA, France, Italy and Hong Kong. It is an honor for UMT research community that such a vibrant international editorial board agreed to work with Abdul Rafay as an Editor-in-Chief.

Financial institutions are tasked with keeping businesses of all sizes financially sound while also providing accessible banking options to individuals. Fintech, or financial technology, is an emerging disruptive technology in financial transaction that will change banking behavior for stakeholders and enable better traceability of funds against specific assets.

'FinTech as a Disruptive Technology for Financial Institutions' is an essential reference source that discusses applications of FinTech in financial institutions in small,



medium, and large businesses and through cultural and religious filters.

Featuring research on topics such as machine learning, market development, crypto-currency, financial security, blockchain, and financial technology, this book is ideally designed for bankers, business managers, economists, computer scientists, academicians, researchers, financial professionals, and students.

## Hafiz Umer Aslam Presents Research Findings in WCWM 2019, Sri Lanka

**Hafiz Umer Aslam**, Lecturer, Department of Chemistry, School of Science, presented his research findings in an international conference titled 'The World Conference on Waste Management (WCWM 2019)' that was held in Colombo, Sri Lanka, on March 7-8, 2019. He also secured the

Session's Best Presentation Award in the conference. The WCWM 2019 addressed a range of critically important areas and new research in relation to Waste Management and Recycling under the theme 'Towards a Sustainable Future Through Strategic Waste Management.'

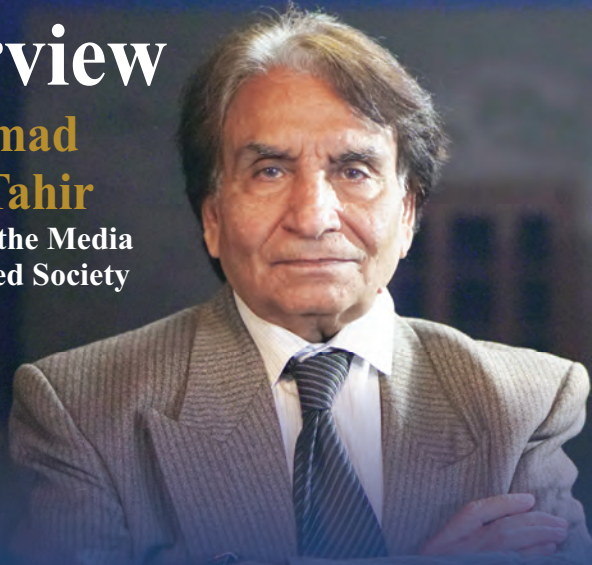




# Exclusive Interview

## Mohammad Hafeez Tahir

Shares How the Media  
has Influenced Society



*Popularly known as a Creator of 'Ainak Wala Jin,' Mohammad Hafeez Tahir is a renowned media personality who has shown his creative genesis as TV producer director, anchor, columnist, poet, drama writer, novelist, copy writer and still photographer. He has been associated with PTV for more than 27 years as Program Producer and Executive Producer and has directed the most popular and famous PTV serial 'Ainak Wala Jin.' which was recorded for 5 years and telecasted for 15 years.*

*He has also produced drama serials, documentaries and live shows for PRIME TV channel in Pakistan and UK. A well-known author who has written many Urdu and Punjabi poetry books and novels including Athwan Rang, Mantar, Manzil Manzil, etc. Hafeez Tahir has delivered lectures on script writing regarding documentaries, TV dramas, TV shows, movies and short films in University of Punjab and other institutions. He has also been awarded by Pakistan National Council of Arts (PNCA), Lok Virsa and National Press Trust for still photography. He has worked with leading advertising brands and also worked as a video consultant for the Asian Development Bank.*

**Q: When you look at the contemporary Pakistani literati, do you think that they have the imagination to present new avenues to the people?**

**A:** If you consider my generation of writers as contemporary writers then I will say that our generation has the capacity to influence young minds and build opinion. The responsibility of media is to construct and reconstruct vision.

I have been affiliated with universities for many years and believe that there is a dire need to debrief our media students and reconstruct their thoughts.

I try to focus on contemporary works. I and my generation of writers like Mustansar Hussain Tarar, Abdullah Hussain and others

worked with a will, vision and passion. Unless the new generation develops the habit of reading, whatever we write is not going to create any impact.

**I keep telling people that we have moved to electronic and social media but books are here to stay**

**Q: Do you think that our students are connected with literature?**

**A:** Yes, generally speaking, from the class of 50 students, 10 students are connected with literature. Two students are exceptional whereas eight of them can understand the

concepts. You develop this understanding when you see their drama assignments. We can say that writers and intellectuals influence the people but society as a whole is moving away from literature and parents are responsible for this.

**Q: At a global scale, literature is on the decline because of the invasion of technology and social media. But this is also loss of intellectual capital. Is there a way to counter this effect?**

**A:** I keep telling people that we have moved to electronic and social media but books are here to stay. To understand this point, we need to look at the civilization apart from its metaphysical context; the physical concept is that we have to streamline our knowledge which is

the systematic presentation of different observations and experiences. On the basis of these, we determine what is good and what is bad. Today our electronic media is intentionally or unconsciously building opinions for the people and deciding where to take consent engineering. The new generation is getting influenced by social media. I keep telling my students to do online research but get their facts checked through books which are an authentic medium of research.

**Discover yourself; there is a difference between your potential and interest**

**Q: Is script writing for electronic media becoming less important?**

**A:** People are trying to prove that it is becoming less important but it will never become less important. Those who are doing that do not know the art of script writing, which is why they insist that they do not need any script. You need to know that without the written word, nothing can be materialized.

PTV used to air quality content whereas other channels are showing indecent but popular content. I feel that the media person is very strong and can do consent engineering to mold your opinions.

The writers of our generation never made criteria to earn money from programs. At PTV, we worked together to preserve our culture and showed the evils of society towards meaningful positive conclusions.

**Q: What are the reasons that PTV has lost its rating?**

**A:** You have asked me a very emotional question. Pakistan Television Corporation (PTV) is the mother of all channels. But PTV was ruined as a result of conspiracy.

It went into the hands of incompetent officials who started buying foreign productions and didn't give its producers an opportunity to produce something for Pakistan. The Corporation became over employed and faced the loss of talented team which used to work dedicatedly for the national channel. It was ruined politically and economically.

**Q: What prompted you to direct 'Ainak Wala Jin' serial?**

**A:** My grandmother and mother used to tell me fairytales in my childhood. Then I dreamt myself as a genie who used to fly over the sleeping city at night. When television came to our house, I decided that I will work for this 'idiot box.' My talent as a theatre actor and poet helped me in developing the series.

When I joined PTV, I seriously thought that if I have to survive here I have to make a program. I decided to work for children's program and came up with an imaginary genie, 'Ainak Wala Jin' which was beautifully scripted by prominent Urdu Novelist Abdul Hameed.

We used to cast lesser known but competent actors who are still remembered as these characters in the minds of the people. The famous five-foot Zakota genie was my creation, which became an instant hit overnight.

**Q: You have worked on many fronts, which one is closest to your heart?**

**A:** Writing is closest to my heart which I will do till my last breath. I wrote political columns for Daily Musawat for a year, remained Associate Editor for The National Engineering Services (NESPAK) magazine and had an advertising experience for 25 years. I have worked with major corporate brands as well.

**Q: You have rarely exhibited your works of photojournalism. Why?**

**A:** I am planning a solo exhibition of my lifetime works which will be held

in Alhamra Arts Council, Lahore, next year. My favorite photograph titled, 'The First Flight' received lifetime award by Pakistan National Council of Arts (PNCA).

**Q: Do you think that the four-year media courses and facilities offered in our institutions are up to mark?**

**A:** The courses are up to mark but we need seasoned professionals like Ayub Khawar and others who can teach the real dynamics of the discipline. Many universities do not have TV studios or cameras, so students are not to blame.

**Q: If someone aims to become a producer/director, from where he/she can receive training and what are the basic steps for it?**

**A:** First of all, finish your studies and during your studies, join a good director as an associate, then you can learn. A director or producer has to develop strong sense of patience, dedication and vision. Otherwise you can't achieve excellence.


**I feel that the media person is very strong and can do consent engineering to mold your opinions**

**Q: Your advice to aspiring students who want to join electronic media or any other literary field?**

**A:** Discover yourself; there is a difference between your potential and interest. An interest needs potential and if you don't have that, don't go into that field.

If you have gone into that profession, then passion, dedication and patience are required. If you have the craft, it will become visible.





■ Success is not final,  
failure is not fatal: it is  
the courage to  
continue that counts.

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