

## Content Highlights

**Dr Hasan Sohaib Murad** delivers inaugural address at the 1<sup>st</sup> UNCPAM 2015

**1**



ادب اور اہل قلم کا پر امن معاشرے کے قیام میں کردار

UMT and Pakistan Academy of Letters organize Literary Conference

**2**



**Dr Salman Sayyid** delivers Khurram Murad Memorial Lecture 2015

**3**



Interview: **Faran Awais Butt**, UMT faculty member

**35**



## From the Editorial Desk

As the world of higher education braces for major reforms aimed at improving the quality of teaching and learning in the context of increasing focus on internationalization, digitalization, innovation and revised curricula, UMT has also geared up for a transformation. The challenge is to stay one step ahead of the pace of change and deliver the best in quality education. This calls for a re-examination of the institutional framework necessary to deliver the required results.

Over the past few months, UMT has actively sought to achieve the same. Its focus has been to redefine the teaching learning experience from a new perspective. There has been a renewed emphasis on forging meaningful international and industrial alliances, working towards student exchange programs and strengthening academia industry linkages. UMT's expansion into Turkey is a significant development that will have far reaching impact in the regional context. Back home, UMT has made a name for itself at various forums such as the Deans and Directors Conference and the VC Forum of Islamic countries. UMT students have been exposed to many national and international influences, both in terms of academics and conferences where many distinguished speakers from their specialized fields have shared their insight with the attendees. And as always, a special section of the newsletter is devoted to development in research and publications, including a report on the activities of UMT Press, the publishing house of the University.

On a special note, the OCM editorial team interviewed Kabir Ahmad Khan, MD, PTDC, for an insight into the future of the tourism industry, and the opportunities that have opened up as a result of the collaboration between PTDC and UMT.

“

I'm convinced of this: Good done anywhere is good done everywhere. For a change, start by speaking to people rather than walking by them like they're stones that don't matter. As long as you're breathing, it's never too late to do some good.

Maya Angelou

”

# 1st UNCPAM 2015

## Dr Hasan Sohaib Murad highlights contributions of Muslim mathematicians



Renowned mathematicians of Pakistan converged at the first National Conference on Pure and Applied Mathematics (UNCPAM) held by UMT on March 7-8, 2015 to discuss innovative ideas, share new information and talk over challenges taking place in the field. The conference was inaugurated by **Dr Hasan Sohaib Murad**, Rector UMT, along with Prof **Dr Muhammad Nizamuddin**, Chairman HEC, Punjab.

Addressing the opening ceremony, Dr Hasan applauded the efforts of the mathematicians to contribute intellectually in the field of pure and applied mathematics. He also threw light on the contributions of Muslim mathematicians such as Al-Khawarizmi, Thabit bin Qurrah, Abu Kamil, Al-Karaji and Al-Jayyani to name a few who introduced new concepts and led the field for more than two centuries.

PhD scholars, researchers, teachers and young scholars from renowned institutions such as Punjab University, Qarshi University, FAST, CIIT, LSE, UET, Shaheed Benazir Bhutto Women University, Peshawar, COMSATS, NUCES, University of Sargodha, Government College University, Faisalabad, Government College University, Lahore, Government College Women University, Faisalabad, NCBAE, University of Azad Jammu Kashmir, IMS, Lahore, University of Central Punjab, UOE, Forman Christian College Lahore, and others presented their thought provoking research articles. The first UMT UNCPAM is the beginning of an esteemed forum for researchers working in mathematics to exchange their ideas about recent developments in the field. The conference touched the recent advances in analysis, topology, algebraic geometry, number theory, fuzzy

mathematics and dynamical systems. Sessions were held on optimization techniques, relativity and subjects of interest in interdisciplinary sciences like physics, computer science and actuarial science. The participants shared their latest research findings and ways to develop future collaborations. Diverse themes were highlighted in the research papers presented in the conference; it was agreed that mathematics played a key role in the advancement of science and technology.

It is worth noting that the HEC approved grants for UMT UNCPAM whereas American Journal of Applied Mathematics (AJAM) and Punjab University Journal of Mathematics (PUJM) published the proceedings of the conference respectively.

## UMT and Pakistan Academy of Letters organize Literary Conference



Dr Hasan Sohaib Murad and Atta-ul-Haq Qasmi sharing their views during the literary conference



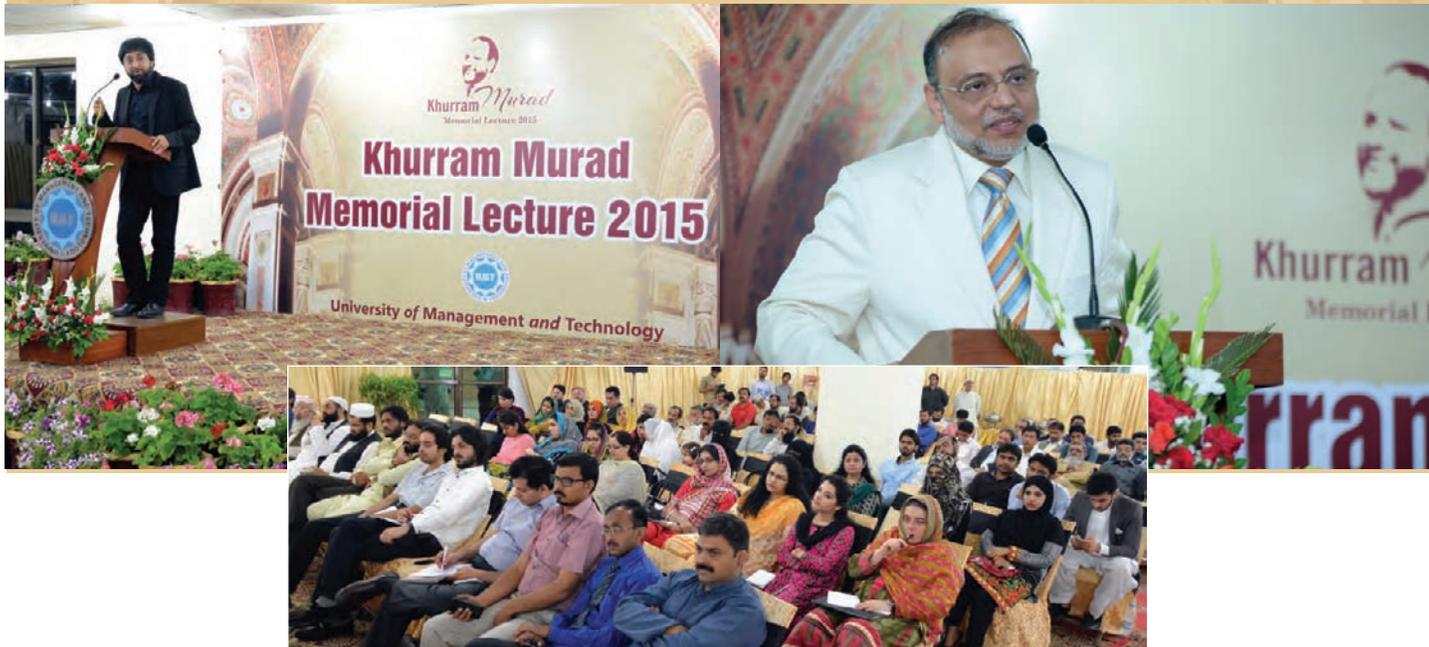
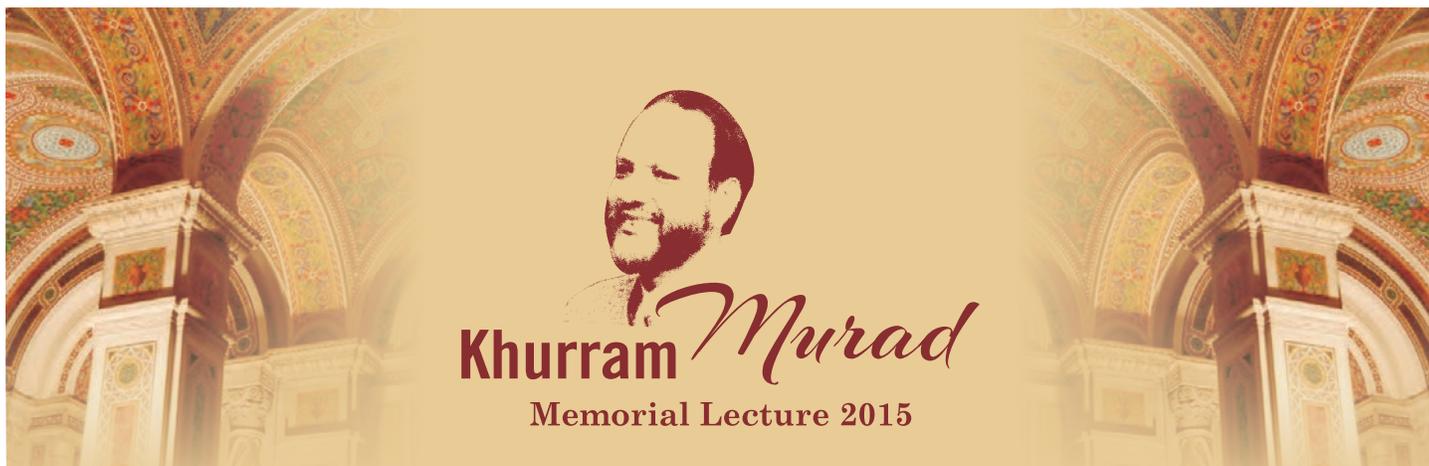
A view of the large gathering of writers, intellectuals and general public attending the conference

Renowned columnist and poet **Atta-ul-Haq Qasmi** inaugurated a literary conference at UMT on May 11, 2015 organized in collaboration with Pakistan Academy of Letters on the theme of 'role of literature and writers in building a peaceful society'.

In his welcome address, **Dr Hasan Sohaib Murad**, Rector UMT, said that literary people are an asset of the country;

they play an important role in promoting the culture of love, tolerance and mutual respect. He said that although UMT is an institution of science and technology, yet it has always believed greatly that literature is a mirror of life that must be promoted because both education and literature are interlinked. He added that literature and literary activities must be supported for nation building. Literary figures are true leaders and their critiques

help in the evolution of society. The Rector added that no nation can make progress without giving respect to literary figures. The conference was addressed by **Dr Qasim Bhugio**, Chairman, Pakistan Academy of Letters, **Naimat Ullah Guchki**, **Intzar Hussain** and **Sehar Gull Bhatti**. The conference had three sessions in which a number of literary articles were presented.



## Renowned UK based scholar Dr Salman Sayyid lectures on eurocentrism and the politics of Islamophobia

Khurram Murad (1932-1996) was a great thinker, author, professor, mentor and effective critic of many popular ideas of his time such as secularism, liberalism, and communism.

He gave a new direction to the emerging Islamic Movements and many of them were led by him. These thoughts were presented by UK based renowned scholar and the Professor of Leeds University **Dr Salman Sayyid** while delivering the Khurram Murad Memorial Lecture at UMT, Lahore, on April 28, 2015.

Dr Salman Sayyid said that Khuram Murad awakened Muslim consciousness and influenced people of other faiths around the world. Muslim community in Britain was the strongest community in

Europe and all this was only possible due to unremitting struggle of great people like Khuram Murad who rendered services for humanity regardless of caste, color and ethnicity.

He said Khurram Murad was able to influence other scholars, raise the consciousness of common people and help in establishing organizations and institutions that played a role in becoming a voice of Muslim community and their recognition in Britain.

Dr Salman said that the Muslim Community in Europe was the largest donor of charity and despite their services for humanity, coexisting with other groups in peace and tranquility; Muslims were subject to disproportionate,

unjustifiable bias. Dr Salman said that eurocentrism was a way of thinking in which the idea that the “West is the best” holds worth and under its shadow, Muslims are required to think themselves within the established norms and values of the Western World. Dr Salman concluded that Islamophobia is not against Muslims and Islam. Rather, it is against Muslim autonomy and the idea that Muslims should make their own history.

The Khurram Murad Memorial Lecture 2015 was also addressed by Rector UMT **Dr Hasan Sohaib Murad, Farooq Salman Murad** and **Dr Aijaz Akram**. A great number of members of the general public, media persons, students and faculty members were present on the occasion.



## Dr Hasan Sohaib Murad, Chairman, IBCE, highlights key aspects of IBCE 2015 at Lahore Press Club

About 300 exhibiting companies, and 200,000 trade visitors are expected to attend International Business Conference and Exhibition from October 30 to November 1, 2015 at the Expo Center, Lahore; this was stated by **Dr Hasan Sohaib Murad**, Rector UMT and Chairman, IBCE, while addressing a crowded press conference at Lahore Press Club. He was accompanied by **Abid H K Shirwani**, Director General UMT and Chief Organizer IBCE.

Top experts from **automobile, energy, IT and telecom, textile, services, construction and housing, manufacturing, FMCGs, food and agriculture** sectors are taking part in the

event from all over the world. In special demonstrations during the exhibition, these experts will address the questions as to how the future could look. Besides China, Europe and the Middle East, exhibitors from Korea, Malaysia, UAE, and Turkey are also attending. Speaking on the occasion, Dr Hasan said that it is imperative in prevailing environment of Pakistan to organize such an event every year for sustainable economic development and enhancing the cooperation between foreign investors, exhibitors, manufacturers and academicians. 'Pakistan holds incredible potentials and is emerging as a major consumer market globally,' added Dr Hasan.

Institutions that are helping to organize this mega event include Board of Investment, Ministry of Textile, Economic Affairs Division, All Pakistan Textile Manufacturers Association (APTMA) and Pakistan Association of Automotive Parts and Accessories Manufacturers (PAAPAM).

Topaz Group of Companies is the strategic partner while EVOLVE Magazine is the exclusive media partner. Renowned guest speakers including **Dr Henry Etzkowitz**, Chairman, Triple Helix Institute, Palo Alto, California, will share their experiences during the conference.

## Dr A Rashid Kausar represents UMT in 3rd Vice Chancellors Forum of Islamic Countries



**Dr A Rashid Kausar** represented UMT in 3rd Vice Chancellors Forum of Islamic countries held in Islamabad on February 26, 2015. The Forum was attended by over 200 Vice Chancellors, Rectors and Presidents of universities and higher education institutions of the Islamic world. The objectives set forth for the “Vice Chancellors Forum 2014:

Universities in the Islamic World: Facing Global Challenges” include providing a platform to the University heads in the OIC member states in forging linkages for initiating joint academic programs,

promoting research, pooling resources, offering scholarships, promoting exchange of students, establishing centers of excellence, and so forth.

The countries whose university heads attended the Forum included Afghanistan, Bangladesh, Brunei Darussalam, Algeria, Cameroon, Egypt, Indonesia, Iran, Iraq, Jordan, Kyrgyz Republic, Libya, Malaysia, Niger, Nigeria, Sudan, Tunisia, Turkey, Uganda, Yemen, Gambia, Jordan, Saudi Arabia, Ivory Coast, and a few other Muslim countries.

**Ahsan Iqbal**, Federal Minister for Planning and Development, was the chief guest in the inaugural ceremony. The Forum was jointly organized by the Higher Education Commission, COMSATS Institute of Information Technology (CIIT), Ministry of Science and Technology, Ministry of Federal Education and Professional Training, Islamic Educational Scientific and Cultural Organization, Ministry of Federal Education and Professional Training, and Federation of Universities of Islamic World.



## UMT is now global destination of Republic of Turkey

UMT has successfully launched a camp office in Ankara, Turkey. This breakthrough happened after the visit of **Dr Hasan Sohaib Murad** whereby he met top Turkish leadership to get their support for establishing a world class

university to translate the concept of “Two countries-One Nation” about Pakistan-Turkey friendship into a reality. The team in UMT Bureau Ankara comprises of a director and an officer in Ankara. The UMT family conveys their

best wishes and appreciation to the team of UMT Bureau in Ankara for their success in future endeavors for the promotion and development of UMT prospects in Republic of Turkey towards global recognition and prominence.



Dr Hasan Sohaib Murad, Chairman NBEAC, and Dr Ishrat Hussain, Director IBA, share views during the conference



Dr Hasan Sohaib Murad snapped with high ranking dignitaries during the conference



Attendees of the 2nd NBEAC Deans and Directors Conference 2015

## Dr Hasan Sohaib Murad chairs 2nd NBEAC Deans and Directors Conference 2015

In his inaugural address at the Deans and Directors Conference on Building Bridges and Fostering Collaborations in Business Education' held on February 10-11, 2015 at the IBA City Campus, Director IBA **Dr Ishrat Hussain** stated that education and skilled human resources were the real asset of a nation and to increase it there was an urgent need to upgrade the education system in Pakistan.

Dr Ishrat Hussain urged necessary changes in business education in the country to meet international standards and to make it more relevant to the demands of modern industries and enterprises. It is worth mentioning that the 2nd NBEAC Deans and Directors Conference, organized jointly by the Higher Education Commission (HEC) of

Pakistan and National Business Education Accreditation Council (NBEAC) was held on February 10-11, 2015 in Karachi. The conference was chaired by **Dr Hasan Sohaib Murad** who is also the chairman of NBEAC. It was co-chaired by Dr Ishrat Hussain, Director, Institute of Business Administration, Karachi, and Dr **Mukhtar Ahmed**, Chairman, Higher Education Commission, Islamabad. The Conference was attended by Deans, Directors, HoDs, faculty members, industry experts and entrepreneurs.

Chairman HEC said the theme of this conference, Emerging Challenges of Business Schools in Pakistan-2015, was a fine example of entrepreneurial thrust and a significant step towards transformation of business and management education.

He appreciated Dr Hasan Sohaib Murad, his team, the HEC and sponsors for arranging the timely conference to facilitate this dialogue by bringing together a unique mixture of deans, academics, entrepreneurs and policy makers. Earlier, Chairman NBEAC Dr Hasan Sohaib Murad presented the shield to Dr Mukhtar Ahmed and Dr Ishrat Hussain.

### **Dr Ishrat Hussain acknowledges role of Dr Hasan Sohaib Murad for promoting business education in Pakistan**

Dr Ishrat Hussain appreciated the services and initiatives taken by Dr Hasan Sohaib Murad for promoting business education in Pakistan. He was speaking at a special welcome dinner hosted by him in the honor of participants of 2nd NBEAC Deans and Directors Conference.

## 4th Invention to Innovation Summit 2015 showcases 500 indigenous technologies



The Pakistan Science Foundation and Institute of Research Promotion organized the 4th Invention to Innovation Summit on March 4-5, 2015. This Summit brought great scientists of various expertise and potential to support business growth and presented 500+ potential technologies plus oral presentation of 50 + commercially viable technologies in technical sessions. It is worth mentioning that UMT is a strategic partner of University of the Punjab.

**Dr Hasan Sohaib Murad**, Rector UMT, **Abid H K Shirwani**, Director General UMT and CEO IRP, **Dr Muhammad**

**Ashraf**, Chairman, Pakistan Science Foundation, **Dr Muhammad Akram Sheikh**, Director General, PASTIC National Centre, **Dr Amir Ijaz**, ORIC Director, faculty members, research scholars from various universities and a large number of students participated in the summit. A corporate session and networking dinner (case studies of successful technology commercialization) were held at the UMT campus.

Dr Hasan Sohaib Murad said that the conference would help bridge the gap between academia and industry. He said that Punjab University, being one of the

largest universities of the country, held a unique place in terms of research and scholarly work. He said the summit provided a unique opportunity for the youth of the country. Dr Murad said many great ideas of research scholars were wasted due to lack of opportunities. He said scholars should be help to publish their ideas; it would not only help them but also help the country prosper. Abid Shirwani said the summit exhibited 500 indigenous technologies. He added that more than 30 universities and 40 industries and private sector organizations from all over Pakistan were participating in the summit.



## Dr Hasan Sohaib Murad visits Turkey

**Dr Hasan Sohaib Murad**, Rector UMT, visited Turkey where he met educationists, government officials, investors, entrepreneurs, and business tycoons. The objective of Dr Murad's visit to Turkey was to explore possibilities for exporting quality education, establishing a world-class research university, strengthening Pak-Turk friendship, boosting economic, cultural, and brotherly ties between the two Muslim states, and paving way for setting up school system in Turkey.

### Educational initiatives

In Ankara, Dr Murad paid a courtesy call on **Sohail Mahmood**, Ambassador of Pakistan in Turkey. He discussed areas of collaboration and exchange of information between the Embassy and UMT including internships, student exchange programs, and investment funding and tourism promotion. The Rector disclosed that UMT had opened a bureau in Ankara with a focus on opening of a school, training institute and university. Ambassador Mahmood lauded the efforts made by Dr Hasan for

presenting positive image of Pakistan overseas and assured him of full support.

Earlier, Dr Hasan and his team visited the Pakistan Embassy International School and met its Director **Ghalib Raza Gillani**. The Rector was accompanied by **Maryem Murad**, Director, UMT Knowledge School System, **Atif Ozbek**, Director, UMT Bureau Ankara, and **Umair Saeed Khan**, Secretary, UMT Bureau Ankara.

### Dr Hasan pays homage to Molana Jalaluddin Rumi

Dr Hasan Sohaib Murad along with **Maryem Murad** visited the mausoleum of Molana Rumi in Konya to pay homage to the great Sufi saint and offer *fatiha*. He also visited the Museum of Molana Rumi.

Later that day, Dr Hasan had a meeting with Prof **Dr Muzaffer SEKER**, Rector, Nejmaddin Erbakan University, Konya. During the meeting, Dr Hasan said that the spiritual message of

Molana Rumi has served to unite humanity from all religions and all walks of life.

Dr Hasan suggested that UMT and Nejmaddin Erbakan University should play its pivotal role in strengthening the bond of Rumi and Iqbal. Both rectors agreed to develop a platform to achieve this task. Dr Hasan appreciated the warm hospitality and invited him to visit UMT, Pakistan.

### Dr Hasan highlights his perspective on Turkish TV channel

Dr Hasan Sohaib Murad was called upon by a Turkish TV Channel Kanal 5 (Channel 5), where he recorded a program named *Ankara Ozel* meaning "Ankara Special" in which he discussed the purpose of his visit to Turkey which was to explore different business prospects such as starting of technical and managerial corporate training programs and certifications, a school and a magazine. He also analyzed current political situation of Pakistan, especially the situation in Yemen.



## UMT is the first Pakistani university to become Premier Member and Certificate Awarding Institute by Microsoft

Microsoft Dynamic Academic Alliance has announced UMT as its premier member – making UMT the only University to hold this distinction at the moment in Pakistan. This has enabled UMT to receive additional program benefits from Microsoft. The Microsoft announcement details UMT as a Premier

Member and individual body to be authorized to issue Microsoft Student Certificate Program in Pakistan. UMT has joined the Microsoft Dynamics Student Certificate Program, enabling it to offer students who complete classes containing Microsoft Dynamics-a certificate showing that they have

completed 100 student activity hours or 4 ECTS credits worth of experience with Microsoft Dynamics. UMT graduates can now differentiate themselves in the job market by showing that they have significant experience with Microsoft Dynamics and have access to exclusive job postings through DynAA.



CAA delegation holds meeting with Captain Imran Saeed, Director, Department of Aviation and Technology



## Civil Aviation Authority (CAA) declares UMT to be its approved training organization

UMT Aviation Department has secured the accreditation of Civil Aviation Authority (CAA) of Government of Pakistan whereby UMT has become an Approved Training Organization (ATO) for Ground Training Operations (GTO) of Civil Aviation Authority (CAA). UMT is the first university in Pakistan to get this recognition. This achievement has opened a new vista for promotion of countrywide aviation programs that are in-focus after announcement of the

revised Aviation Policy of the Government.

Presently a large entourage of participants from UMT Aviation Department is already at work in various airports of the country and this recognition of CAA will enable our graduates to meet the fundamental requirements of qualified and accredited human resources in aviation sector of Pakistan in years coming ahead. UMT

Aviation Department also reaffirms its resolve to venture in financial growth of UMT during the next fiscal year by a substantial measure once the CAA approved courses are offered to prospective participants. The patronage of Prof **Dr Hasan Sohaib Murad**, Rector UMT and trusteeship of **Dr A R Kausar**, Director IAS, to bag this recognition went a long way in achieving this distinction.



## UMT and Lahore International Expo Center sign MoU

An MoU was signed between Lahore International Expo Center and UMT. A delegation from Lahore International Expo Center comprising of **Arif Khosa**, Chief Executive Officer, Lahore International Expo Center, **Zia ul Mustafa**, Chief Financial Officer, Lahore International Expo Center, **Farhat Rafi**, Manager Sales and Business Development, **Zaka Awan**, Resident

Engineer and Facility Manager, were present during the ceremony.

**Dr Hasan Sohaib Murad**, Rector UMT, **Abid H K Shirwani**, Director General UMT, and other core officials were also present on the occasion. The purpose of this joint venture is to promote the academic, cultural and social values with external environment for optimal

utilization of learning resources and making positive ethos, creating linkages between industries and academia. The MoU will also highlight and facilitate the International Business Conference and Exhibition (IBCE) which will be held in October 2015 in Lahore International Expo Center. The IBCE will attract many exhibiting companies while thousands of trade visitors are expected to attend the event.



## SBE-UMT signs agreement with SMEDA

School of Business and Economics (SBE) and Small and Medium Enterprises Development Authority (SMEDA) have signed an agreement for joint research thesis of MS and PhD students. The MoU was signed by **Dr Rukhsana Kalim**, Dean SBE, and **Muhammad Alamgir Chaudhry**, Chief Executive Officer,

SMEDA, on behalf of their respective organizations on February 18, 2015. Under the terms of the agreement, regular sessions will be organized at SBE whereby SMEDA team will share scope of research in SME sector and identify priority areas for research. SMEDA teams will also be a part of proposal

defense of MS students and approval process. SMEDA will facilitate students for undertaking research work. SMEDA team will be part of the thesis defence and approval process. Approved thesis will be published; bearing the statement that research work has been undertaken under joint supervision.



## School of Commerce and Accountancy (SCA) and ACCA ink MoU

**Dr Hasan Sohaib Murad**, Rector UMT, and **Sajeed Ahmed**, Head, ACCA Pakistan, inked an MoU on behalf of their respective organizations on January 20, 2015. **Mohyuddin Tahir Mahmood**, Director SCA, and senior faculty members were present during the signing ceremony. According to the terms of the MoU, UMT has become Pakistan's exclusive institution that has been granted the highest exemption from courses; 7 courses exemption for BCom (Honors), 9

for BS Accounting and 9 for MCom in ACCA-UK. This will save the time and financial resources of UMT students seeking admission in ACCA.



Dr Hasan Sohaib Murad, Rector UMT, and Sajeed Ahmed, Head, ACCA Pakistan, exchange MoU after the signing ceremony

## UMT and ICAP ink MoU for academic collaboration in accountancy programs

An MoU between UMT and The Institute of Chartered Accountants of Pakistan (ICAP) was signed by **Abid H K Shirwani**, Director General UMT, and **Yaqoob Suttar**, President ICAP, at UMT Campus, Lahore on April 17, 2015. According to the MoU, graduates of BS Accounting from UMT will have an opportunity to pursue highly recognized Chartered Accountancy qualification. These graduates would be able to avail exemption from eight papers of the CA examinations. Similarly ICAP students who have cleared the respective ICAP subjects and ICAP members would be able to avail exemptions in the mapped

subjects of BS Accounting at UMT. Abid H K Shirwani said that students doing degrees in accounts and other professions have a great future not only in Pakistan but around the world. Yaqoob Suttar stated that this is a good opportunity for both academic institutions to further enhance the competitiveness of



Abid H K Shirwani, Director General UMT, and Yaqoob Suttar, President ICAP, snapped during the MoU signing

accountancy profession and add value to the corporate sector.

## UMT and PAAPAM officials discuss collaboration

**Abid H K Shirwani**, Director General UMT, chaired a meeting between UMT and Pakistan Association of Automotive Parts and Accessories Manufacturers (PAAPAM). **Mumshad Ali**, Senior Vice Chairman, **Iftikhar Ahmad**, Vice Chairman, **Taufique Sherwani**, Senior Member, and **Mujtaba Quddus**, Project Manager, represented PAAPAM. In the meeting, possible collaborations in the areas of research, training, industrial labs,

and student placement were discussed. Both organizations committed to compliment each other's strengths for overall development of academia and industry.



Abid H K Shirwani, DG UMT, holds discussions with PAAPAM delegation

## President of India Shri Pranab Mukherjee honors Abid H K Shirwani, DG-UMT, with National Grassroots Award

The Chairperson, National Innovation Foundation-India, which is an autonomous body of the Department of Science and Technology, Government of India, invited Abid H K Shirwani, Director General, UMT, to the 8<sup>th</sup> National Grassroots Award Function and Festival of Innovation. The

President of India Shri Pranab Mukherjee presented the awards and inaugurated the Festival of Innovation at the Rashtrapati Bhanvan Cultural Center on March 7, 2015. The awards are announced every year.



## International Association of Universities (IAU) accepts UMT membership application



UMT's application for membership of International Association of Universities (IAU) has been accepted. This was informed through a letter sent by **Eva Egron-Polak**, Secretary General, IAU. UMT meets all criteria for admission as set by the IAU Administrative Board. The University will be entitled to all membership benefits including complimentary copies of IAU reference

works and publications. UMT will also get enhanced access to World Higher Education Database. There are numerous institutional benefits resulting from the membership as well. IAU, founded in 1950, is the UNESCO-based worldwide association of higher education institutions. It brings together institutions and organizations from some 120 countries for reflection and action on

common concerns and collaborates with various international, regional and national bodies active in higher education. Its services are available on priority basis to members but also to organizations, institutions and authorities concerned with higher education, as well as to individual policy and decision-makers, specialists, administrators, teachers, researchers and students.

## SSS&H becomes member of LMTF by the Center for Universal Education at The Brookings Institute, USA



The School of Social Sciences and Humanities (SSS&H) has become a member of the Learning Metrics Task Force (LMTF) 2.0 by the Centre for Universal Education at The Brookings Institute, USA. LMTF was conceived by the UNESCO Institute for Statistics (UIS) and the Center for Universal Education at Brookings (CUE). SSS&H at UMT is the only academic institution representing Pakistan at this global platform to share valuable inputs for the development of Post 2015 Global Education Agenda. The LMTF is a group of organizations

around the world working to improve learning with a specific focus on issues related to measurement. In the first phase, the task force conducted a broad global consultation and came to consensus on a global framework of learning domains and measurement areas for global tracking. Prof **Dr Abdul Hameed**, Dean, SSS&H, along with his team members **Sajid Masood**, Assistant Professor, Department of Education, SSS&H, and **Usman Ali**, Coordinator Projects, SSS&H, participated in LMTF 1.0 and shared their recommendations for the

tracking of global assessment of learning outcomes. The objectives of LMTF 1.0 were to catalyze a shift in the global education conversation from access to access plus learning, and to build consensus on global learning indicators and actions to improve the measurement of learning in all countries. LMTF selected SSS&H through a competitive process to serve as "Learning Champion" partner from Pakistan, joining LMTF 2.0 to help advance the goal of creating more effective assessment systems to improve learning outcomes.



# University of Management and Technology

## Child Labour

National Conference 2015

June 15, 2015

Host:

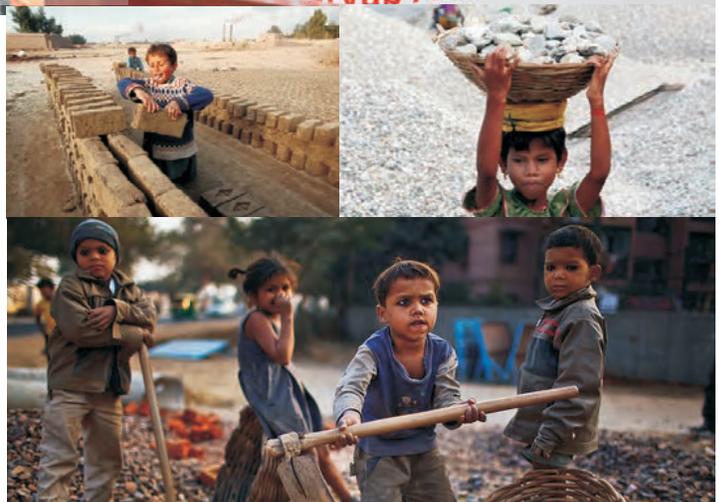
Zaryab Arif



Zakya Shahnawaz, Member, Provincial Assembly, Punjab, addressing attendees of the conference



Distinguished guests and dignitaries attend the national conference on child labor



## UMT invites activists and political leaders to National Child Labor Conference 2015

Representatives of political parties and the government expressed their views on the issue of child labor during a national conference held at UMT on June 15, 2015. They also put forward recommendations to eradicate child labor. The guest speakers included **Mian Zaryab Arif**, the host of the conference and a global youth ambassador in the United Nations, **Dr Syed Wasim Akhtar**, ameer of Jamaat-e-Islami Punjab, **Sardar Mohsin Laghari**, Member Senate, **Sardar Asif Ahmed Ali** (PPP), **Zakya Shahnawaz** (PML N), **Amina Ulfat**

(PML N), **Talha Qamar** (JUIF), **Sadia Sohail** (PTI), **Chaudhry Abdul Ghafoor**, PML (N) and others.

All the speakers stressed that child labor could only be wiped out from Pakistan if there is a strong will, national unity and change in our behavior. They said it was not only Pakistan that was facing this problem; the most developed countries in Europe and the USA were also beset with this issue. Facts and figures show that 11 to 12 million children, half of them below the age of 10, are the victim of forced

labor in workshops, hotels, brick kilns, and smuggling of goods. Children are reported to be involved in begging across the country. Speakers were of the view that Article 25-A of the Constitution of Pakistan, Children Act of 1991, UN Convention on children rights and ILO Conventions need to be implemented actively in order to eradicate child labor. The conference concluded by closing remarks by **Dr Abdul Hameed**, Dean, School of Social Sciences and Humanities (SSS&H).



## Rector UMT Dr Hasan Sohaib Murad hosts Ilmians Dinner 2015 in Doha, Qatar

**Dr Hasan Sohaib Murad**, Rector UMT, hosted the Ilmians Dinner 2015 in Doha, Qatar. The dinner was attended by a large number of UMT graduates who are now serving with distinction in their respective chosen fields after completing their studies. The event also afforded an opportunity for the attendees to share

their ideas for the future and come up with ways and means to maintain ties with their alma mater.

Dr Hasan said that the success of our young graduates is a source of pride for the entire UMT community. These young people, he added, are full of gratitude

towards ILM/UMT for whatever we could do to shape their future. Everyone here is eager to develop UMT community driven to knowledge advancement and technological innovation and initiate lifelong learning process through collaborative learning.

## School of Engineering (SEN) receives sponsored lab equipment

UMT has received sponsored equipment for School of Engineering (SEN) mechanical lab from Colibrative Pvt. Ltd. These invaluable items are good addition to our existing manufacturing processes and machining processes labs. The equipment includes lath machine, drilling machine (industrial use), arc welding

plant (industrial use), gas welding equipment and cutting equipment, and two gas cylinders. Colibrative Heavy Industries Pakistan Pvt. Ltd. is known as a leading engineering enterprise and marked itself as one of the companies in Pakistan which incorporate corporate social responsibility in their business

model. UMT is thankful to Colibrative Pvt. Ltd. for its help by sponsoring mechanical lab equipment for its engineering students to experience hands-on training for their academics and practices. Examples of such collaboration will go a long way in strengthening academia industry linkages.



## Prof Basit Koshul shares his views on Iqbal and the West

**Prof Dr Basit Koshul**, Associate Prof at LUMS, was invited by the Center for Global Dialogue and School of Advanced Studies (SAS) to give a lecture on 'Iqbal and the West: Critical Consciousness in an Age of Secular Modernity' at UMT on April 8, 2015. Dr Basit in his thought provoking lecture said that today's dominant discourse of modern day intellectuals is to find out what has gone wrong with the Muslims. Allama Iqbal was well aware of the fact that something was terribly gone wrong with the Muslims. Along his millenarian journey, he manages to establish a mutual and

fruitful exchange between thinkers and texts that are quite distant from each other: Nietzsche and Bergson, Hallaj and Rûmi, and between those and still others, taken up in the context of rereading the Quran.

In this atmosphere of suspicion and anger, it is a joy to hear the voice of Iqbal, both passionate and serene. It is the voice of a soul that is deeply anchored in the Quranic Revelation, and precisely for that reason, open to all the other voices, seeking in them the path of his own fidelity. It is worth noting that Basit

Koshul received his first PhD in 2003 from Drew University and his specialization is in the sociology of religion.

He completed his second PhD in 2011 from the University of Virginia. His areas of interests include the relationship between religion and modernity, philosophy of science, philosophy of religion, the sociology of culture and the contemporary Islam-West encounter. He is especially interested in integrating the ideas of Muhammad Iqbal, Charles Peirce and Max Weber.

## A conversation with Ziauddin Sardar

The Center for Global Dialogue (CGD) at the School of Advanced Studies (SAS) organized a conversation with **Ziauddin Sardar** on February 23, 2015. In his enlightening and thought provoking discourse, Sardar highlighted the dilemma and confusion of present day Muslims. He defined the present era as post-normal times where nothing stands still, change is accelerated to a great extent; where societies are network societies. Muslims are at the edge of chaos and in this situation, critical engagement is necessary. This critical engagement demands not only to look into our relation with other Muslims but also to look forward for an alternative

future of the Muslims. Ziauddin Sardar is a widely acclaimed London-based scholar, writer, cultural critic and public intellectual who specializes in Muslim thought, the future of Islam, futures studies and science and cultural relations. Currently, Ziauddin Sardar is Chair of the Muslim Institute, a learned, fellowship society that promotes knowledge and debate, and editor of



Critical Muslim, an innovative quarterly on contemporary Muslim ideas and thought. He is also the Director of the Centre of Postnormal Policy and Futures Studies, East West Chicago, and the editor of its journal, *East West Affairs*.



## UMT training workshop appears in leading US terrorism journal

The Terrorism Research Initiative (TRI) has established its Pakistan chapter at UMT, Lahore. School of Governance and Society (SGS) at UMT is collaborating with TRI in its projects.

A five-day international workshop was held in Lahore where renowned national and international guests including UMT

Rector **Dr Hasan Sohaib Murad**, SGS Director **Rahat Ul Ain**, TRI Country Coordinator **Muhammad Feyyaz**, **Dr Neville Bolt** (UK), and **Dr Richard Jackson** (New Zealand) spoke on various aspects of terrorism. The workshop, which lasted from 19 – 23 January 2015, was titled 'Understanding Terrorism and Counter-Terrorism'. It appeared in

Perspectives on Terrorism, a journal of the Terrorism Research Initiative and the Center for Terrorism and Security Studies. Workshop was attended by members of the armed forces, intelligence services, universities, think tanks, academia (including UMT students) as well as representatives from civil society.



HR representative of GEO TV is receiving souvenir from Rana Muhammad Arshad, MPA



Students through the desks of media representatives

## OCS organizes Media Day at UMT

The mass media is playing a key role in communication of ideas and information through the print and electronic mediums. Media and communication has emerged as a popular career choice for university graduates. Keeping this in view, the Office of Career Services (OCS) organized Media Career Day on May 28, 2015. The purpose of the event was to give particularly media companies and students a platform to get to know each

other and identify potential partners for future cooperation for example in form of an internship, a master thesis project or a job after graduation.

The event was graced by the presence of **Abid H K Shirwani**, Director General UMT, **Ibrahim Murad**, Director UMT, veteran journalists and members of the print and electronic media. The daylong event was thronged by students of all

programs. They all were given chance to seek direct contact with Media HR representatives, managers and UMT Alumni on the Media Career Fair and discuss possibilities for internships, master thesis projects and job entry. Representatives from Geo TV, Channel 92, PTV, SBN, ARY, Neo TV, Samaa TV, Waqat News, The Frontier Post, ilm ki dunya, and Daily Times were present on the occasion.

## STD represents UMT in Pakistan Coating show 2015

School of Textile and Design (STD) participated in Pakistan Coating Show 2015. Leading manufacturers of paints, coatings, adhesives, sealants and other industries took part to showcase the best of their products and technologies. **Dr Nabeel Amin**, Director STD, and **Dr Muddassar Abbas**, Assistant Professor, participated in the conference at Pakistan Coating Show 2015.

Dr Nabeel Amin delivered lecture on "Principles of Green Chemistry and Engineering to Design Additives", and "Effect Pigment for Printing". Dr

Muddassar Abbas lectured on "Nano Technologies For Surface Coating". Moreover, STD placed a stall where degree programs offered by the School were advertised. Further, Dr Nabeel Amin spoke with all exhibitors and developed STD's business linkages, most importantly with Bin Rasheed, Berger



Paint Pakistan, Kansai Paint Pakistan, Taqbeer Paints, Shaheen Grinding Mills, GCU Lahore and PCSIR. Many exhibitors showed their interest to take consultancies and training from Dr Nabeel Amin.



## STD organizes seminar on color perception and communication

A seminar was organized by the School of Textile and Design (STD) in collaboration with Society of Dyers and Colorists (UK). **Hafiz Muhammad Tayyab**, Country Manager, Sandal Group and member of SDC was the guest speaker. He was welcomed to the

University by the STD team. The speaker spoke at length about color visualization and communication, effective color communication for industry, the use of non-physical standards in color communication and matching, and a review and assessment of

numerical shade sorting methods. The seminar is the first in a series of seminars planned by STD and SDC that will be conducted throughout the year for the benefit of the students to give them practical orientation.

## Success stories of STD graduates

As one of the most prestigious institutions offering education in various sectors of textiles, STD alumni have made a mark for themselves in a variety of fields.

STD graduates are well accepted in the textile sector on account of the market-driven degrees offered at the School.

Here is a summary of some graduates who have found employment in reputable companies and are well placed to make progress in the coming years.

- Moon Jahangir** has been appointed as Supervisor Research and Development at Sapphire Fiber Ltd, dyeing unit.
- Masood Fabrics Limited Spinning Unit has appointed STD graduate **Saddam**

- Hussain** as Trainee ASM at Masood Textile Spinning Unit in Multan.
- Saddam was student of BS Hons Majors in Textile Engineering at School of Textile and Design in UMT.
- Rai Saif Iqbal** has been appointed as Laboratory Engineer in Sharif Textile based in Faisalabad.

# Knowledge @UMT



## Why Pakistan Does Not have a Counter Terrorism Narrative Muhammad Feyyaz

### Abstract

This article argues that not only has the counterterrorism (CT) commitment in Pakistan been ad hoc in recent years, but that the country's articulation of a softer type of CT response has been rhetorical at best. The research further highlights that Pakistan's attempts to craft a scientifically structured counter narrative are neither traditional nor within the country's current CT capability.

The article's arguments are analyzed through a guiding framework based on the compiled works of various strategic communication experts, and helps illustrate the narrative landscapes of al-Qaeda and the Pakistani Taliban as explored and pitched vis-à-vis the state's counter-narrative paradigm. The findings also probe the national mindset of Pakistanis amenability and appeal for terrorism. The result of this research posits an underlying question as to how then does Pakistan move forward in coping with increasing terrorist threats within its borders while simultaneously developing a coherent and fully functional counter terrorism effort in the future. This article attempts to investigate the factors that explain reasons why a country like Pakistan that suffers enormously from terrorism, still

continues to possess no cohesive response to counter the ongoing violence. Two reasons posited for Pakistan's inability to contend with this situation are: 1) that the counterterrorism (CT) effort itself has been an ad hoc commitment throughout the country until recently, and in certain segments of society has been rhetorical at best, 2) the crafting of a scientifically structured counter narrative—reckoned as part of a soft dimension of CT—involves specialized skills that are neither available nor find cultural amenability for assimilation within the country. The article outlines a guiding framework that draws upon expert works—the scientific knowledge elaborated later—as a means to highlight defined and structural aspects of a narrative paradigm.

Based on this input, potential elements required to compile a narrative, are sought from the frequently used strategic communication by the terrorist groups, and are composed in the form of a narrative. The phenomenology of terrorism in Pakistan is then analyzed within the framework of scientific knowledge precepts and the identified militants' narratives. Analysis of these specific narratives is beyond the scope of

this article, but the question of how Pakistan copes with the terrorism threat despite an absence of a counter narrative is fully addressed. Finally, this article's conclusion details all salient findings from this research and puts forth a few policy recommendations for future debate.

Writings by Steven Corman, Jeffrey Halverson, and various other authors denote the key aspects of the scientific knowledge used in the sphere of narrative construction for this article. Their theoretical rendering stands out in the contemporary scholarship as intellectually robust in its attempt to address key terrorism challenges. Accordingly, this intellectual resource creates the foundation and has been used as the standard framework to weave together the various narratives used throughout in this paper.

**Recommended Citation**  
Feyyaz, Muhammad. "Why Pakistan Does Not Have a Counterterrorism Narrative." *Journal of Strategic Security* 8, no. 1 (2015): 63-78.

Available  
at:<http://scholarcommons.usf.edu/cgi/viewcontent.cgi?article=1409&context=jss>



# 8 Productivity Pitfalls New Entrepreneurs Must Avoid

If you're starting a business on your own, then you know you've got to make the best possible use of your time every single day. Productivity doesn't mean being busy all the time but being busy with the right things. Here are productivity pitfalls you should keep your eyes peeled for.

## 1- Online Distractions

There are so many sites that hold our interest often longer than they should. When you're not aware and careful, scrolling through sites like Facebook, Tumblr, Pinterest and Twitter can take the better part of your day. Before you know it, the entire morning's been wasted. Stop this from happening by making a schedule. Block off two hours for checking your emails and reading through sites, one in the morning and the other one sometime in the late afternoon. When your hour is up, get to work.

## 2- Not Using Technology

Technologies today offer some of the best ways to kill delays in many aspects of the business. That's why being updated on the latest technologies—such as videoconferencing—can help you streamline your business processes.

## 3- Putting Things Off

You've got a ton of work to do. But procrastination makes you sit back and do nothing. Don't let that bad habit get in the way of making the most of your day. Start on the task early. Give yourself ample time to complete the project. That means less chances of making a mistake or missing a critical deadline.

## 4- Too Much Clutter

If you've got too many things on your desk, it might be time for you to de-clutter. Having too many files, books and even keepsakes can distract you. Having a nice, organized space helps you focus and puts you in a better mindset and mood to work.

## 5- Unfinished Work

Don't leave things unfinished. Tasks, no matter how few, often add up pretty quickly. Write a To-Do List or an accomplishment report.

## 6- Wrong Priorities

Profit is important but building a business that lasts requires perseverance, determination, and often, excellent customer service. That means putting credibility, honesty, reliability, transparency — all these and more — at the core of your business.

## 7- Bad Hires

Hiring the right team is crucial. A team with the right attitude won't mind the work, the long hours, the constant changes in protocol and processes — all common in startups and new companies. But bad hires can lead to a company's downfall by spreading too much negativity that demotivates the team.

## 8- Fear of Failure

Don't let your fear of failing keep you from trying. Often, the most successful entrepreneurs had to go through a lot of mistakes to get where they are today. The difference is that they didn't let those failures keep them from their goal of attaining success.

Adapted from: <http://workawesome.com/productivity/why-businesses-fail/>



# Event'15

## Event 15 organized by OPA and Debating Club attracts 46 teams from all over Pakistan



The mega event of the year Event'15 organized by the Debating Club and Office of Participant Affairs, concluded on April 13, 2015. Starting from the best topic for the debates to the best cars of the city, from the best core of adjudicators to the best taste of food, this time the debating club featured classic cars to enlighten the history and to honor those who had maintained these from a

long time. A total of 46 teams from renowned universities from all over Pakistan participated in this mega event. More than 28 teams in English category participated but Kinnaird College lifted the trophy by defeating Fc-A, Fc-C and Backdoor Bandits in the final. Similarly, Kungfu Pandas lifted the Urdu trophy by defeating UET in the final. Overall, 18 teams all over Pakistan took part in the

Urdu category. Individual prizes were also given to participants for their extraordinary speaking skills. **Zainab Waqas** (Runaways) secured the Best Emerging Speaker (English) award. The Best Speaker in English prize went to **Muhammad Wasee** (Backdoor Bandits). The Best Emerging Speaker in Urdu award went to **Zahra Ali Abbasi** (FC). The Best Speaker in Urdu Award was given to **Abrar Butt** (UET).



## SST students deliver commercial projects to industry with support from ORIC-UMT

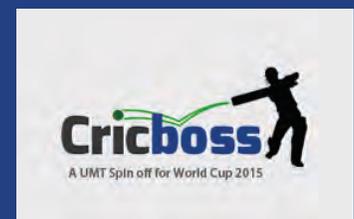
In an effort to build bridges between academia and industry, UMT encourages research and development projects catered for the requirements of the practical world. To achieve this objective, active collaboration from industry is sought and faculty members engage students to work on specific projects. The Departments of Computer Science and Software Engineering deserve commendation for launching projects that have been approved by the client organizations. The Department of Computer Science delivered the first

successful project from UMT to industry. The project is an Android Application developed in collaboration with Akhuwat, the NGO. It has been approved by the client and successfully deployed for usage. The project has been supervised by **Ms Emmen Farooq**, and **Tahreem Yasir** from Department of Computer Science and carried out by **Abdul Mannan, Hamza Rasheed** and **Usama Raees**. The Department of Software Engineering also delivered the first successful project from UMT to industry. The project has been supervised by **Syed**

**Farooq Ali** and **Dr Tahir Ijaz** from the Department of Software Engineering and carried out by **Syed Zeeshan Hussain Shah, Muhammad Usama Sindhu, Syed Waji Haider, Zeeshan Rasool Lodhi** and **Loveeza Asif**.

**Abid H K Shirwani**, DG UMT, appreciated the project team and encouraged them for more ventures. The project team heartedly thanked the DG for his encouragement and commended the support provided by **Rahmat Ullah** and **Anum Akmal** from ORIC- UMT in facilitating their project.

## SST students, faculty and ORIC team launch Cricboss - A UMT spin off for World Cup 2015



A group of UMT students and faculty have shown a tremendous talent of entrepreneurship by building and launching an interesting suite of software and mobile applications with the brand name of Cricboss. **Abid H K Shirwani**, Director General UMT, expressed deep satisfaction about this accomplishment.

He urged the students and faculty to follow the same course and reiterated that ORIC office is an excellent bridge between university research and research user of industry and society. He wished

them best of luck for future endeavors and assured them full support in the days to come. The team members expressed great hope and enthusiasm about the success of this product which is about the cricket World Cup 2015. The product allows users to predict winners of upcoming matches; user predictions will be shared on social networks. Correct predictions will result in points and prizes, sharing their victories on social networks. Discussing their product, the team said, "This Cricket World Cup 2015, Cricboss is an internet sensation waiting

to happen. While the national teams engage at cricket stadiums, nations will engage at social media stadiums that we have set through Cricboss". Everyone needs the chance to engage, support and show how they see the World Cup 2015 will turn out. Cricboss's predict and win platform will give the world much-needed ground to engage online.

The Cricboss Team consisted of **M Asif Subhani, Abu Bakar Siddique, Iftikhar, Ahmed Zafar, and Fahid Hanif** from Computer Science Department in SST.

## SBE teams win Case Study Competition held at LUMS

SBE teams at LUMS won the Case Study Competition where more than 16 teams from 12 plus universities participated. The Case Study Competition was completely swept by SBE teams, winning both the TOP awards with no third prize given to any university.

The first prize winning team comprised of **Hira**, Ms **Rabiyya**, **Usman** and the team members (a group from BBA). The second prize winning team comprised of **Idrees**, **Abdullah**, **Noman** and the team members (a group from MBA).

The LUMS Supply Chain Summit is an annual business competition that brings together the best talent from across the country. It was not at all easy to participate in such an event where the experts of high caliber like **Faheem Khan**, Director Supply Chain, Unilever, **Sohail Butt**, Group Manager, Demand and Supply Planning, Nestle, **Abid Butt**, CEO, e2e, and **Dr Zahoor**, LUMS), were to appear. This time initiative was



taken by Center for Supply Chain Research (CSCR) and fully backed and supported by Center for Entrepreneurship and Innovation (CENTIN). **Ijaz Yusuf**, Director CSCR, and **Asher Ramish**, Director CENTIN, delivered lectures on

Supply Chain Dynamics and Balancing Supply with Demand accordingly. Four teams from UMT were fully sponsored by LUMS in honor of UMT's back to back achievements and participation at LUMS.



## UMT students win All Pakistan Business Competition 2015

It is a matter of immense pleasure to share that by the Grace of Almighty Allah our bright UMT students **Rana Waleed Asmat**, President Umtech, School of Systems and Technology, and his team including **Adeel Noor**, **Umair Zia** and **Mohammaad Naeem** participated as a team from UMT in Beacon National

University All Pakistan Business Competition held at Beacon National University, Lahore, held on February 19-22, 2015. Both of them are enrolled in BS-Aviation Management at University of Management and Technology. A total of 40 universities from Pakistan participated in the event including

LUMS, LSE, and UET Gujrat. They stood first and won the competition. The team has been awarded with Incubation in PITB Plan9 that are, Pakistan's Largest Incubators. He is the first and youngest entrepreneur that has been selected from UMT for incubation.

## OTS organizes quiz competition along with Cisco Systems and Corvit Systems at UMT campus

A quiz competition was organized by Office of Technology Support (OTS) along with Cisco Systems and their local partner Corvit Systems on IT Networking & Telecommunication. Cisco System is one of the leading solution providers in IT field and has very strong academic programs for IT professionals. This competition is designed in two phases. In its first phase (qualifying round) Cisco team conducted a test within UMT on

June 1, 2015. Around 100 participants from different programs participated in that competition. **Waqas Ahmad**, CS-SST, secured first position and **Tabish** from CS-SST, **Jamshaid Frooq** from EE-SEN secured second and third positions respectively.

**Faheem Anwar**, Area Academy Manager, Pakistan, Cisco Networking Academy program, distributed the prize

money between the winners. First prize of Rs 15,000, second prize of Rs10,000 and third prize of Rs 5000 with certificates were distributed. These students will participate in Final Round in Corvit Systems, Lahore. Faheem Anwar also announced UMT as a Cisco Regional Training Center, which will provide a great scope of learning facilities in the field of Computer Networks & Telecommunication to our participants.



## SBE Student in Wuhan University, China

Wuhan University has provided an opportunity for SBE student to spend one semester in Wuhan University of Technology (WUT), China, in an exchange program with SBE, UMT. SBE MBA student **Farooq Hassan Sabri** is going to spend one semester in WUT.

This arrangement has been the outcome of MoU signed between SBE-UMT and Wuhan University of Technology, China. Director MBA, **Dr Haroon Rasheed**, has played a key role in establishing links with Wuhan University. It is worth

mentioning that Wuhan University of Technology is ranked # 49 in Asia ranking by Times Higher Education (Thomson Reuters) while in world ranking the University is now ranked among top 400 right next to Washington State University USA and University of Western Sydney Australia as per 2014 rankings.

SBE provides an excellent educational platform to lead students to fulfill international standards, winning worldwide recognition, and admiration.



## UMT BSEE students get top grades in online course from MIT, USA



Four UMT BSEE students (and one EE faculty member) have successfully passed the 14-week online course '6.002x Circuits and Electronics' offered by MIT USA during March - June 2012. Over 150,000 enrolled in this course across the globe and about 7100 passed.

The four UMT BSEE students fared as such: **Mohsin Ali Arif**, 92%, Grade A, **Muhammad Akif**, 88%, Grade A,

**Muhammad Umair Khan**, 73%, Grade B, **Syed Muhammad Ali Bokhari**, 68%, Grade C. **Farhan Iqbal**, Assistant Prof. EED, also took up this course and passed with 91% score, Grade A. All of these five young men have had all their education within Pakistan.

6.002x (Circuits and Electronics) is an experimental on-line adaptation of MIT's first undergraduate analog design course:

6.002. is designed to serve as a first course in an undergraduate electrical engineering (EE), or electrical engineering and computer science (EECS) curriculum. At MIT, 6.002 is in the core of department subjects required for all undergraduates in EECS. The course introduces engineering in the context of the lumped circuit abstraction. Design and lab exercises are also significant components of the course

## UMT students win All Pakistan Poster Exhibition

UMT students (**Anum Ateeq**, **Maria Sana**) and (**Havaida Muneer**, **Ansa Akram**) secured 1<sup>st</sup> and 2<sup>nd</sup> positions respectively in All Pakistan Poster Exhibition in Department of Psychology, GCU, Lahore. The topics of the poster exhibition were Peace and Development.

These students are enrolled in BS Psychology 5th and 6th semester at UMT, Lahore. They prepared these posters as class projects for the completion of the course Developmental Psychology II, taught and supervised by **Sidra Afzal**. The purpose of this activity was to

encourage project based practical learning among students.

Prior to the competition, these posters were evaluated within the university by the experts of the field including **Dr Iftikhar Ahmed**, Chairperson, Psychology Department, and **Brig Muhammad Feyyaz**, Expert in Peace and Conflict Studies, SGS. The students were awarded certificates and



shields. The students were competing with the participants from many renowned universities/colleges like University of Central Punjab, Lahore College for Women University, Beaconhouse National University, Punjab University, University of Lahore and Addiction Center, Canada.

## UMT student Anum Mehmood selected for USAID Energy Sector Internship Program

**Anum Mehmood**, student of 4<sup>th</sup> semester of MS Electrical and Computer Engineering, Batch Fall 2013-2015, has been selected for USAID Energy Sector Internship Program. USAID (United States Agency for International Development) TFP recruited 155 highly

qualified Interns from all over Pakistan in 12 disciplines of engineering/sciences/business management for Energy Sector Internship Program. This selection procedure included test and various screening phases. Out of 11k applicants, 155 have

been selected. She has been placed in NTDCL (National Transmission & Despatch Company Limited, Lahore). She will be working with USAID as USAID Alumni. It is worth mentioning that only 10 got selected from Lahore in which her name is at the top.

## UMT students win positions in PHA Intersarsity Speed Climbing Championship

It is a matter of immense pleasure to share that by the Grace of Almighty Allah our bright UMT students **Rana Faique Alam** (Crew Commander) of UMT Marshalls Club and **Bilal Nawaz** from UMT Rovers Club participated from UMT in the 1st Parks and Horticulture Authority (PHA) Intersarsity Speed Climbing Championship that was held at

Gulshan Iqbal Park, Lahore by the name of Rang-e-Lahore on March 24, 2015. Both of them are enrolled in BS-Aviation Management at UMT.

A total of 10 universities from Punjab with 50 individual climbers participated in the event. In Open Category, Faique and Bilal Nawaz got 3rd position as a

UMT Team in this Intersarsity Championship. In individual round, Faique got 8th position among the top 10 individual climbers and he has achieved this milestone by crossing 60 plus feet height. They have been awarded with an achievement plaque by Mr **Jamshaid** (National Speed Climber).

## UMT student Haseeb Khan wins bronze in International under 21 Baseball Asia Cup

**Haseeb Khan**, student of BS Electronics and member of UMT Sports Club, has won bronze medal in International under 21 Asia Cup by defeating Malaysia for third position. In this competition, teams

from Pakistan, Japan, Malaysia, Singapore, India, Indonesia, Philippine and Sri Lanka participated. It is worth mentioning that Haseeb has been playing baseball in Pakistan's

National under 21 team for the last four years. He also won 2 silver medals in last Asia Cup that was held in Italy and Malaysia.

## UMT IEEE Teams win positions in IST Youth Festival at IST Islamabad

Students of School of Engineering (SEN) participated in IST Youth Festival' organized by the Institute of Space Technology, Islamabad, from May 7-9, 2015. **Dr Salim Abid Tabassum**, Dean SEN, motivated IEEE UMT team to participate in the competition. **Salman Khalid** prepared the team. **Muhammad Haris** extended all possible guidance. Within a short period of three days, the team was ready to participate. The two teachers led a 10-member UMT team to the event. The UMT team won five prizes. In microcontroller interfacing, the team comprising of **Muhammad Bilal**

**Anwar, Bilal Hussain Awan, and Tayyab Hassan** won first position. In the second microcontroller interfacing event, the UMT team comprising of **Mirza Danyal, Akbar Abdulrehman** and **Ghulam Muhyuddin** won second position. In circuit designing, team comprising of **Bilal Hussain Awan, Tayyab Hassan** and **Muhammad Bilal Anwar** won second position. In the second circuit designing event, **Mirza Danyal, Akbar Abdul Rehman, Ghulam Muhyuddin** won third position.



In digital system design, our team comprising of **Tayyab Hassan, Muhammad Bilal Anwar** and **Bilal Hussain Awan** won second position. Besides UMT, other participants of the technical events were Air University, NUST, MAJU, HiTec, Wah University, University of Gujrat, IIU, UET Taxila, UoL, and FAST Islamabad.

## UMT IEEE team wins first and second prizes in FETEX'15

UMT IEEE team, under the supervision of **Salman Khalid**, participated in FETEX'15 organized by International Islamic University (IIU) Islamabad, won first prize in 'Line Following Robot' and second prize in 'Microcontroller Interfacing'. The Line Following Robot Team

comprised of **Muhammad Bilal Anwar, Tayyab Hassan, Bilal Hussain Awan** and **Mirza Danyal Tahir**. The Microcontroller Interfacing Team comprised of **Muhammad Bilal Anwar, Danyal Tahir** and **Akbar**.



## IEEE WIE (Woman in Engineering) UMT organizes WIE Day'15

IEEE WIE (Woman in Engineering) UMT successfully organized an event titled "WIE Day'15" for Lahore section on June 6, 2015.

This was a mega event in which WIE chapters from various institutions of Lahore and outside the city participated. The chief guests included Prof **Dr Khaver Zia**, Dean, School of Computer and Information Technology (SCIT), BNU Lahore, Treasurer IEEE Lahore Section, Prof **Dr Amjad Hussain**, Ex-

Chair Electrical Engineering Dept. Fast-NU Lahore, Chairperson IEEE Lahore Section, **Dr Sobia Baig**, Head of Department, Department of Electrical Engineering, COMSATS Lahore, Vice Chair IEEE Lahore Section, and **Dr Ghulam Mehdi**, Assistant Professor, COMSATS Lahore.

Several activities like ice breaking, best branch presentation, mock interviews,



WIE ex-com meet-up and chart signature took place that day. The event was organized to encourage more women to participate in such activities and test their potential.



## Prize distribution ceremony for essay and story writing competition

The Institute of Communication and Cultural Studies (ICCS) has paved another strong step to boost the students' creativity by injecting a spirit of healthy competition. For that a small ceremony was organized to distribute the certificates amongst the winners of talk

shows, story writing and poetry writing competition. **Dr Hasan Sohaib Murad** presided over the ceremony along with the Director ICCS **Dr Arshad Ali Khan**.

Dr Hasan stressed that the students of literature are the true connectors between

technologist and the source, as they give voices to them to share with the society. Moreover, certificates of participation were also given to the faculty members of ICCS for conducting an intensive successful training workshop on shaping the English Language Skills.

## Khateeb Club wins All Pakistan YDS Declamation and Debate Contest

UMT students have won 1st Annual All Pakistan YDS (Young Debating Society) Declamation Contest 2015 held in Sibbi, Baluchistan. Despite the very tough competition among the very renowned national universities, UMT students **Bilawal Ali** (English) and **Ziafat Raheem** (Urdu) won the first position in the declamation contest. This is a significant achievement for members of the Khateeb Club which always strives for making UMT proud at the national level.



## Students of UMT Aks Photography and Film Making Club achieve success in photography competitions

UMT takes immense pleasure to announce the leading success of the Aks Photography and Film Making Club students in the major competitions of Product Photography and Theme Based Photography held at LUMS Annual Photographic Summit 2015. The UMT Aks Photography and Film Making Club students have gained 4th position in these competitions as 208 teams from

all over Pakistan participated in the summit. The team has been awarded with certificates and NIKON gift hampers. The students have also qualified for the top 10 positions in the categories of forged manipulation and event coverage. It is worth mentioning that UMT takes special interest in polishing the creative and artistic potential of students.



## Zeeshan Rasool Lodhi secures 2<sup>nd</sup> position in All Pakistan Photo Exhibition

**Zeeshan Rasool Lodhi** from UMT-Aks Photography Club has secured 2nd position in All Pakistan Photo Exhibition held at Allama Iqbal Medical College in Lahore.

He is student of BS-SE and has been awarded with a silver medal along with a certificate of participation. Zeeshan Rasool followed the theme of 'Nature

through My Lens' and beautifully captured the scenic view of nature. There were 404 participants in the show and exhibition was attended by student, teachers and people from diverse backgrounds.



## UMT Aks Photography Club participates in UET Medfest 15; achieves 3rd position in photography exhibition and 2nd position in Photo Scavenger Hunt



UMT is proud to share that UMT Aks Photography Club has secured 3rd position in open theme photography exhibition in 'UET Medfest 15' held in University of Engineering and Technology (UET), Lahore from May 14-

15, 2015. The team remained 2nd runner-up in 'Photo Scavenger Hunt.' UMT Aks Photography Club team consisted of **Syed Tayyab Sohail, Faakhry Khalid, Hazaif Allaudin, Saaqib Ali Bhatti, Zeeshan Shah, and Zeeshan Rasool.**

There were two teams consisting of six members. These members also won 4<sup>th</sup> and 5<sup>th</sup> positions in live photography competition based on the theme of Campus Life. Participants from top 32 institutions from all over Pakistan were part of the event.

## Talha Imtiaz Baig of UMT Fine Arts Club wins silver in All Pakistan Poster/Painting Competition

**Talha Imtiaz Baig** of UMT Fine Arts Club participated in the All Pakistan Poster/Painting Competition at Allama Iqbal Medical College, Lahore, held on April 23, 2015. He is enrolled in BS Software Engineering (6th Semester) at

UMT. Talha secured 2nd position (all over Pakistan) by competing against the participants of many renowned universities/colleges like (Fatima Jinnah Medical College, F C University and many more). The theme for the painting

was "Earth and I" depicting the unique relationship of man with the habitat. His painting was awarded the second prize amongst 97 paintings. He has been awarded with silver medal on this wonderful achievement.

## UMT Students spend a day with the Pakistan Army



UMT students got the opportunity to spend a day with the Pakistan Army on April 15, 2015. The UMT Caravan was escorted by the Pakistan Army Head Quarter 11 Division with several vehicles. The high officials of the army gave a very warm welcome to the caravan. A briefing session that included *Zarb-e-Azab* recruitment process as well was delivered by **Brigadier Faheem**

**Aamir. General Fida Malik** gave the welcome note on the occasion.

**Abid H K Shirwani**, DG-UMT, presented the souvenir on behalf of Dr Hasan Sohaib Murad. Pak Army presented caps as a token of love to the students of UMT. Special permission was given to UMT students to take pictures of the visit as well. The students were taken

on a round of the training area as well where full armored equipment was visible. The next destination was the flag lowering ceremony at the Ganda Singh Border where the students received a warm welcome by the rangers. At the end, there was an interactive session with General Fida who appreciated the discipline of UMT students. *Dunya News*, *Ptv* and *City42* covered the event.

## UMT Student Fahad Hussain of Adab UMT Literary Society wins competitions

### Third position in Lyallpur Art and Literature Festival 2015

**Fahad Hussain** of Adab - UMT Literary Society participated in the 3rd Lyallpur Art and Literature Festival-2015, University of Agriculture, Faisalabad, held on March 29-April 3, 2015. Fahad Hussain secured 2nd position (all over Pakistan) in the initial round by competing against the participants from many renowned universities like (UET,UOL,KC, etc.) whereas in final round he achieved 3rd position (all over Pakistan). Fahad has been awarded with an achievement shield on his wonderful achievement. He is enrolled in BS Hons in English Literature (BSHEL, 3rd semester) at UMT. A total of 25

renowned universities with a number of participants from all over Pakistan participated in the event.

### Second position in NasCon 15 all over Pakistan

Fahad Hussain participated in the NasCon '15 (Fast University, Islamabad) that was held on May 10, 2015. He got 2<sup>nd</sup> position (all over Pakistan) by competing against the participants of many renowned universities like (UET, IBA, International Islamic University, Islamabad, etc.). It is worth noting that 24 plus renowned universities with a number of participants from all over Pakistan participated in the event. He has been awarded with prize money of rupees 5000 along with a certificate on his wonderful achievement.





Maulana Maulana Tariq Jameel, renowned Islamic scholar, delivering a talk at UMT Campus



Dr Fazal ul Hassan, VC, University of Education, receives souvenir from Dr Hasan Sohaib Murad after delivering a lecture on failure analysis



Winners of 19<sup>th</sup> Hajj Draw Imran Ilahi and Muhammad Shahzad Aslam snapped with the UMT top management



Ijaz Ahmed Tatla receives souvenir from Dr Abdul Hameed, Dean, SSS&H after successful PhD dissertation



Attendees of the 3<sup>rd</sup> ILM Colleges Principals Meeting snapped with Abid H K Shirwani, CEO, ILM Group of Colleges



Prof Raza Nacem discusses the crisis in Yemen in a seminar organized by SGS



UMT alumni serving in UAE snapped during a get-together



Department of Social Sciences faculty and staff tour the walled city



BS International Relations students visited World Wide Fund for Nature, Lahore



IEEE UMT Student Branch visit 220 KV NTDC Grid Station in Wapda Town, Lahore, on February 13, 2015



Students of civil engineering snapped with their model

## Dr Mudassar Abbas represents UMT in 7<sup>th</sup> R&D Brokerage Event, Bursa

**Dr Mudassar Abbas**, faculty member from School of Textile and Design, attended the 7<sup>th</sup> R&D Brokerage Event held on May 27-29, 2015 in Bursa, Turkey.

He was the only member selected from Pakistan who participated in the event and represented UMT. He presented three project proposals with expected spendable budget of more than 700,000 USD. The projects of Dr Abbas were submitted in research areas of "Medical Textiles and Technical Cloths, Efficiency and Sustainability in Finishing Processes (Dyeing) and Developments of the Fabric Technology" with titles:

1. Biodegradable and recoverable organic salts as alternatives of common salt in reactive dyeing
2. Biofinish coatings of textile materials effective against yeast infections
3. Natural fiber selections for demanded moisture and thermal comfort properties of blended fabrics

All three proposals were well appreciated by the hosts and the participants who visited the posters of proposals. R&D Brokerage Event is a well known brand for R&D and innovation in the textile and clothing industry. UTIB International R&D Brokerage Event in Turkish Textile and Clothing Sector" was organized by Ulludag Textile Exporters Association (UTIB) and Bursa Textile and Clothing R&D Center (BUTEKOM) with support of Tubitak Teydeb.



## Muhammad Feyyaz participates in Capital TV talk show

- **Muhammad Feyyaz** from School of Governance and Society participated as an expert on terrorism and security, in Capital TV talk Show, *Belaag*, aired on February 16, 2015. Feyyaz is a regular guest on TV talk shows where his expert and incisive analysis is highly appreciated by the audience.
- Muhammad Feyyaz also shared his insight in multidimensional aspects of terrorism in Pakistan, in another episode of Capital TV talk show, *Belaag*, aired on February 24, 2015.

## Muhammad Feyyaz delivers lecture at NDU, Islamabad

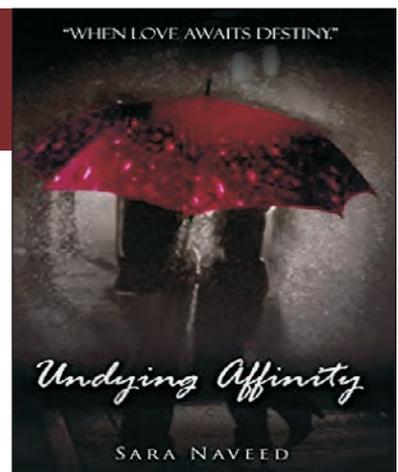
Muhammad Feyyaz, Assistant Professor, School of Governance and Society (SGS), delivered a lecture on 'State of terrorism knowledge and research in Pakistan' to the faculty and participants of National Security and War Course at the National Defence University, Islamabad. The session was maiden in introducing terrorism studies in Pakistan.



## UMT alumnus Sara Naveed publishes first novel

**Sara Naveed**, a graduate in MS Banking and Finance (SPA) – 2013, has just published her first fiction novel named 'Undying Affinity' with Amazon (International) and Readings, Lahore (National). The book was published with Amazon in November 2014. The paperback is available on Amazon, Barnes and Noble and other leading book stores.

This romantic tragedy revolves around Zarish Munawwar and her struggle to come to terms with how her carefree and rather elitist lifestyle changes from being a bed of roses complete with a childhood sweetheart and high profile status to her fascination with her finance professor who changes her perspective on life.

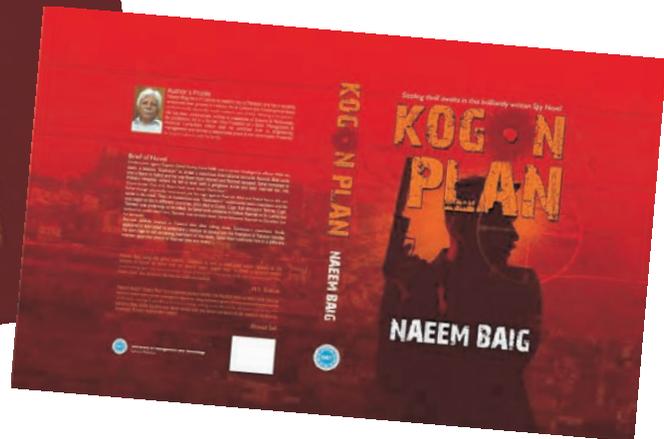
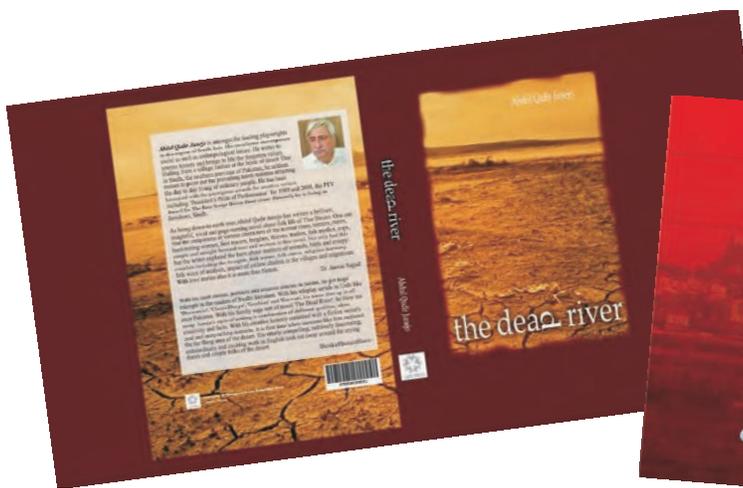


# Research and Publications



- A research paper authored by **Ahmad Usman** and **Dr Sajjad H Shami** titled 'Evolution of Communication Technologies for Smart Grid Applications' published in March 2013 in the prestigious Elsevier journal 'Renewable and Sustainable Energy Reviews' with 5-year impact Factor of 6.7+ has received its FIFTIETH International Citation on 20-6-15 (in a rather short period) as reported by Google Scholar.
- **Manan Aslam**, faculty member, Institute of Applied Sciences (IAS), made the following research contributions:
  - Research paper titled, “Determining Entrepreneurial Success Factors: A Case Study of South Punjab Pakistan” presented in International Conference on Entrepreneurship (ICE) 2015; a joint initiative of Isra University, Hyderabad and Ball State University, USA, held at Hyderabad from March 16 -17, 2015.
  - Research paper titled, “Examining Consumer Preferences for the Inland Fish in District Faisalabad, Punjab, Pakistan” published in HEC recognized International Journal of Agriculture and Applied Sciences (IJAAS).
  - Research paper titled Determinants of Kinnow Exports: A Case Study of Kinnow Exporters from District Sargodha, Punjab, Pakistan” presented at International Conference on Citriculture: Challenges & Management, February 11-13, 2015.
- **Muhammad Feyyaz**, from the School of Governance and Society (SGS) made the following research contributions:
  - Combating Terrorism Exchange (CTX), one of the leading resources on terrorism and counter-terrorism from USA, published an article titled “Understanding the Intensity of Boko Haram's Terrorism”
  - Defense Against Terrorism Review (DATR), the flagship journal of NATO-Centre of Excellence-Defense against, Ankara, Turkey has published in its Vol 6, Issue 1, (Spring & Fall 2014) titled Youth Extremism in Pakistan – Magnitude, Channels, Resident Spheres and Response.
  - Research paper titled “Phenomenology of perception and terrorism sustenance: a case study of Pakistan” accepted for presentation in IRP conference "Understanding Conflict: Research, ideas and responses to security threats", University of Bath, UK.
- A research paper titled "A Novel Approach to Counter the Low Observable Characteristic of Stealthy Targets by Analyzing the Radar Cross Section" authored by **Faran Awais Butt**, Assistant Professor, Electrical Engineering, School of Engineering (SEN), co-authored by **Dr Ijaz Naqvi** (LUMS) and **Dr Ali Imran Najam** (NESCOM) has been accepted for presentation at 36th PIERS (Progress in Electromagnetics Research Symposium, held from July 6-9 at Prague, Czech Republic, European Union.
- A research article titled “Image building for Islamic School through Media; an analytical perspective” authored by **Muhammad Naveed Anwar**, **Muhammad Hamidullah** and **Nasir Khan** has been published in International Journal of Educational Science and Research (IJESR) ISSN (Print): 2249-6947; ISSN (Online): 2249-8052; Impact Factor (JCC): 3.9678; Index Copernicus Value (ICV): 3.0.
- Research paper authored by **Rubab Manzoor** titled "Structure scalars and anisotropic spheres in Brans Dicke gravity", co-authored by **Prof Muhammad Sharif**, University of Punjab, has been published in Physical Review D (impact factor 4.864).
- Research paper authored by **Rashida Manzoor**, a graduate of MPhil Applied Linguistics from UMT, has been accepted for oral presentation in Protolang 4 International Conference, Italy. This research was conducted under the supervision of Dr Trevor Harley, Professor of Cognitive Psychology, University of Dundee, Scotland, UK.
- A research paper titled 'On/off-board 42V Switch Mode-Based Charger for Advanced Vehicles' written by **Nauman Ahmad**, Assistant Prof, School of Engineering, and **M Omer Abid**, student of Batch 15, has been published in International Conference ESARS 2015, March 3rd-5th, RWTH University Campus, Aachen, Germany.
- **Aziz Hamza**, business case writer, and **Waqar Ahmed**, Director, CMD, have written a case titled “Managerial Chaos at Karizma Shoes” and participated in National Case Writing and Presentation Competition “Paristhiti - 2015” held on January 31, 2015 in India . The case has been selected and published in a book that has been compiled by BVIMR, India.

# UMT Press launches “Kogan Plan” and “The Dead River”



UMT Press, the publishing house of UMT, organized book launching of “Kogan Plan” by **Naem Baig** and “The Dead River” by **Abdul Qadir Junejo** on May 6, 2015. Both the literary pieces have been published by UMT Press. The ceremony was attended by students, faculty members, media personnel and renowned literary figures such as **Amjad Islam Amjad, Asghar Nadeem Sayed, Mustansar Hussain Tarar, and Saleema Hashmi.**

Prof **Dr Qasim Bughio**, Chairman, Pakistan Academy of Letters, chaired the ceremony whereas **Abid HK Shirwani** welcomed all the guests. Kogan Plan by Naem Baig is a thrilling novel that

revolves around the theme of the War on Terror, the war which has brought death and destruction, woes and destabilization for Pakistan and a suffering that continues haunting us since we became frontline state against it.

The second book “The Dead River” by famous dramatist and writer Abdul Qadir Junejo deals with folk life and their culture. The writer takes its readers on a journey to rediscover the forgotten history of Indus civilization.

Prof Dr Muhammad Qasim Bughio lauded efforts of UMT Press for bringing out such precious literary pieces. Mustansar Hussain Tarar said that both

the books were of high quality content that translated human values by portraying scenes from real life. In his concluding remarks, Abid HK Shirwani affirmed that UMT's platform was open for all patriot writers who understand feelings of society and want to play their pivotal role in nation building.

He said literature was very necessary as a food for thought that provides a solution to emerging problems of our society. Manager UMT Press **Mirza Muhammad Ilyas** thanked all the guests and said that UMT Press was considering to bring out the works of many other renowned writers in future.

## Director SLP Syed Imad ud Din Asad appointed the President of International Academy of Comparative Laws National Committee for Pakistan



**Syed Imad ud Din Asad**, Associate Professor and Founding Director, UMT School of Law and Policy (SLP), has been appointed the President of International Academy of Comparative Law's National Committee for Pakistan after being elected as the first –ever associate member from Pakistan.

**Rector UMT Dr Hasan Sohaib Murad** conveyed his heartfelt congratulations and encouraged the role of professional and academic community network on the global

front. He also added that this appointment has given a new edge to the institutional stature as well and strengthens the profile of faculty overall.

The secretariat of IACL is in Paris, France. Founded in The Hague on 13 September 1924, IACL is a body of scholars that primarily aims at “the comparative study of legal systems”, and it has currently more than seven hundred members.

KU LEUVEN

## Syed Imad ud Din Asad to teach graduate level course at KU Leuven as part of faculty exchange arrangement

**Syed Imad ud Din Asad**, Director, UMT School of Law and Policy, will teach a graduate level course on Islamic finance from February 18 to February 25 as part of the faculty exchange arrangement between UMT School of Law and Policy and KU Leuven. He is the only Muslim and Pakistani professor who will be teaching the course at KU Leuven.

Other exchange professors, who will teach graduate level courses alongside along with him hail from Yale, Cambridge, Amsterdam, Munich, and Heidelberg.

It is worth mentioning that this is a significant achievement of the UMT School of Law and

Policy as no other Muslim or Pakistani law school has yet reached this status. Moreover, as part of the exchange arrangement, a professor from KU Leuven will teach a course at UMT School of Law and Policy in the fall of 2015. UMT School of Law and Policy will provide the same facilities that KU Leuven has provided to Syed Imad ud Din Asad.



## Dr Ahmed Raza, Research Fellow, awarded PhD by the University of the Punjab

**Dr Ahmad Raza**, Research Fellow, Office of Rector, has been awarded the degree of Doctor of Philosophy (PhD) in sociology by the University of the Punjab on April 29, 2015. The title of his doctoral dissertation was "Cultural Epistemology of Space and Time". The dissertation investigated the organizational behavior of university faculty in Lahore within the theoretical framework of the cultural contextual

model of Edward T Hall. The research work was highly appreciated by foreign referees for its originality and contribution to knowledge. Both referees declared the dissertation highly significant piece of work for its theory as well as method. The author acknowledged the unprecedented support of **Dr Hasan Sohaib Murad** in the attainment of this academic excellence in the opening part of dissertation, who has always encouraged people pursuing higher education at UMT.

# Exclusive interview

UMT faculty member

**Faran Awais Butt**

shares his expertise on  
advanced  
radar technology



*Faran Awais Butt obtained his bachelor degree in Electrical Engineering (specialization in Electronics and Communication) from UET Lahore in 2009 and MS in Computer Engineering from LUMS in 2012. He is a part of faculty at UMT since October 2009. He has supervised a number of final year projects related to various fields within Electrical Engineering. His area of research is Electronic Warfare in Radar Systems with a focus on electronic counter-countermeasures in particular.*

*He has authored a number of international research conference papers worldwide. Recently, the United States Patent Office issued a patent titled "Radar Deception Jamming Prevention Using Bistatic and Monostatic Radars" to Faran. The patent lists Faran as the principal inventor. UMT Moments and Momentum team spoke to him regarding the implications of this patent in terms of enhancing Pakistan's defence capabilities and his plans for future research in the field.*

**Q: You seem to have an innate interest in electronic warfare – even the patent issued to you is based on**

**your MS thesis. What attracts you to this particular field?**

A: Since childhood I had a profound interest in defense related equipment and it always attracted me. Taking into consideration the work that is being done the world over in electronic warfare, I feel that for Pakistan, this particular area needs special consideration and that is why I want to remain associated with electronic warfare.

**Q: The patent is a significant achievement in advanced radar technology. Tell us the basic concept behind the technology and how it is different from existing radar jamming systems?**

A: The patent gives an idea related to ECCM (Electronic Counter-Countermeasure). If an airborne radar tries to do deception jamming to the ground based radar, our algorithm can first identify this jamming and then also nullify its effect ending up detecting the target. It is a very simple yet effective technique which makes it quite unique.

**Q: The US Patent Office only issues a patent after a rigorous verification process that ensures that the technology is new and not being used elsewhere. Tell us how you approached them and hurdles (if any) that came your way.**

A: HEC has developed a program which allows for submission of research ideas, published papers, thesis synopsis and such other material which describes

**The patent gives an idea related to ECCM.**

**It is a very simple yet effective technique which makes it quite unique.**

the potential invention for evaluation for patentability. We had a research paper related to this which was published in IEEE conference in 2012, so HEC evaluated that as patentable and submitted it to USPTO for evaluation. It was HEC who pursued everything related to its submission till grant. Role of HEC has been influential.

Securing the patent was very important and Alhamdulillah now it has become the property of Pakistan.

**Q: Many countries are working on the ECM of radar systems. What gives this patent a unique advantage over other technologies?**

A: Most of the work that is being done is in the area of ECM whereas this patent is related to an ECCM technology which nullifies the effect of ECM.

**Q: How can Pakistan benefit from it in terms of electronic warfare?**

A: This is the first US patent related to Electronic Warfare by Pakistan and no one can use it anywhere in the world

**Students should be encouraged to do research. Cramming habits should be discouraged.**

without Pakistan's consent. We will be more than happy if our defense forces use it. This technology is capable of strengthening Pakistan's defence inshaaAllah. Also, having the patent of this idea, we can roar a strong message to the world that Pakistan is well aware of research and development in Electronic Warfare.

**Q: The commercial applications of the patent afford many possibilities. How soon can we expect to see this being used in the field?**

A: Since this is the defense related technology, we don't want its commercialization worldwide, rather we would want it be executed in Pakistan for Pakistan's benefit.

**Q: Air defense system is a very important component of a country's military capability. Do you have any plans to explore new ideas to strengthen Pakistan's air defense system?**

A: Electronic warfare is my area of research and apart from this patent, I have a number of research papers in



Dr Hasan Sohaib Murad, Rector UMT, presents souvenir to Faran Awais Butt, faculty member

this field and inshaallah will keep on working in this field. I am starting my PhD from LUMS starting this fall semester and hopefully we will come up with more ideas which can strengthen Pakistan's aerial defense.

**Q: What is your advice to budding innovators and engineers who want to work on new technologies in their respective fields?**

A: Having a self belief and passion is the key to success. Our country needs young innovators to come up with the ideas that can benefit Pakistan. Allah has given everybody a spark that resides inside. It's all about extracting that brilliance from within your selves.

**Q: How can we strengthen the R&D factor in engineering disciplines taught at university level?**

A: Faculty can play a key role here. Giving the confidence to students and making them realize the importance of R&D is very important. We should also focus on establishing more research labs. Recently I supervised a final year project to undergrad students and they published a journal paper. This of course is an encouraging sign. If more students are motivated, we will get a better research output in the future.

**Q: You have earned a name for yourself as a teacher, researcher and now as an inventor within a relatively short span of time. What is the most decisive factor that has led to such success?**

A: I am just an ordinary person. I just wanted to do something which could benefit my country. I chose a field

which was unique having the opportunities of bringing in the novelties. I try to do my work with honesty and dedication and I seek Allah's help in whatever I do.

**Our country needs young innovators to come up with the ideas that can benefit Pakistan.**

Moreover, the prayers of my parents have always gone a long way in any success that I have achieved in life.

**Q: Tell us about your current projects.**

A: I am working in MIMO Software defined ECCM Radars.

**Q: Problem solving, critical thinking and creativity have been described as the cornerstone of a sound engineering education. Do you think that engineering education in Pakistan is sufficiently geared to achieve this?**

A: There is a lot to work on. Students should be encouraged to do research. Cramming habits should be discouraged at the same time too much of strictness should also be avoided.

Moreover, the standard of inducting students in engineering disciplines should be set high. This nation has immense talent. Pakistani students are generally brilliant. It is all about giving them the right platform and making use of them.

“

A little thought and a little kindness are often worth more than a great deal of money.

John Ruskin

”

– **EDITORIAL**

Muhammad Tafteeq  
Arjmand Zahra  
Zafar Siddique  
Madiha Salman

– **PHOTOGRAPHY**

Mehr Yaqoob

– **Designed By**

Ozma Nawaz

– **PRODUCED BY**



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