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EXTENDING THE FRONTIERS OF KNOWLEDGE

DSU Signs MOU with Technical University of Applied Sciences, Wildau, Germany

DHA Suffa University (DSU) signed a Memorandum of Understanding (MOU) with the Technical University of Applied Sciences, Wildau (TUAS-Wildau), Germany to establish collaboration in teaching and research activities. The MOU was signed during the visit of TUAS-Wildau by a DSU delegation comprising of its Vice Chancellor, Engr. Prof. Dr. Sarfraz Hussain, TI(M), SI(M) and Dean, Engr. Prof. Dr. Athar Mahboob, TI. The President of TUAS-Wildau, Prof. Dr. Laszlo Ungvari expressed his strong desire for a long-term sustainable collaboration between TUAS-Wildau and DSU. The Technical University of Applied Sciences, Wildau is located about 30 miles away from Berlin in Germany and boasts a student population of around 4,600 students. DSU started its academic programs in Fall of 2012 and presently has around 800 students. It aims to grow to a student population of around 2,500 within the next four years.

TUAS-Wildau has strong academic and research programs in the areas of Engineering, Information Technology, Bio

Technology, Bio Informatics, Renewable Energy, Logistics and Management Sciences. Therefore, there is potential for great synergy between DSU and TUAS-Wildau.

Under the MOU, students of DSU will be able to attend one or two semesters for studies at TUAS-Wildau and perform an industrial internship in Germany, arranged by TUAS-Wildau. Other collaboration envisaged by the MOU includes exchange of faculty members, technology transfer for industries, businesses and enterprises, specialized summer camps tailored to DSU requirements and launching of joint degree programs.

The MOU with TUAS-Wildau follows an earlier MOU the University signed with the Eurasia Institute of International Education (EIIE) also located in Berlin for establishment of a German Resource Center at DSU to impart training in German Language to DSU students and others to facilitate the exploitation of educational, industrial and research opportunities provided by German institutions and industries.

DSU Undertakes MOU with Eurasia Institute of International Education

DHA Suffa University (DSU) signed a Memorandum of Understanding (MOU) with the Eurasia Institute of International Education (EIIE) located in Berlin, Germany for collaboration and establishment of long term relationship to advance shared objectives and vision for promotion of international educational cooperation. The MOU was signed during the visit of EIIE by a DSU delegation comprising of its Vice Chancellor and Dean. EIIE was represented by its Founding Director, Mr. Andrew Geddes. EIIE has been working for more than 20 years in the area of training international students from all over the world in German language and thus creating pathways for them to advance their education and careers through the world-class German universities. Under the terms of MOU, EIIE will assist DSU in establishing collaborative linkages with German universities for exchange of students and faculty members and the conduct of summer camps of two weeks duration for DSU students to acquaint them with German language, culture, universities and industries.



FRUITS OF FOREIGN COLLABORATION

Delegation of AIMST University, Malaysia Visits DSU

A delegation of the AIMST University, Malaysia led by its Vice Chancellor, Prof. Dr. Premkumar Rajagopal visited the DHA Suffa University on 18 February 2014. The delegation reciprocated the AIMST University visit in May last year by a DSU delegation. The two universities have since then established a very vibrant collaboration program in light of the MOU signed on 27 May 2013.

Under the vision provided by the MOU several collaborative activities have already taken place. These include the summer internships of DSU students at AIMST University in 2013, participation in faculty development workshops by DSU faculty

members at AIMST University and one-year post-doctoral research at AIMST University by a DSU faculty member.

Based on their visit of DSU and interaction with the faculty members and staff, the Vice Chancellor, AIMST University expressed great satisfaction and appreciation of the progress made at DSU within the last two years. During the meetings, programs for further collaboration came under discussion including launching of joint and split degree programs, exchange of information technology expertise and a bigger summer internship program for DSU students at AIMST University during Summer of 2014.



DSU Students Pursue Summer Internship at AIMST University, Malaysia

18 Students of DSU headed to a month-long internship at AIMST University



DHA Suffa University in collaboration with AIMST University, Malaysia has organized Second Summer Internship Programme for DSU Students from 4th to 29th August 2014. DSU has sent a total of 18 students of Mechanical Engineering, Electrical Engineering and Management Sciences for this month-long internship. Out of these 5 students have been sponsored by the university on scholarship on the basis of their outstanding academic record. During this month students will be placed in appropriate departments respective to their fields. Internship at AIMST University is a real-world working experience for the students, where they will be given a realistic preview of their future career fields.

The internship initiative is a result of the collaborative Memorandum of Understanding signed between DHA Suffa University and AIMST University under the student mobility programs that DHA Suffa University aims to pursue with renowned foreign universities.

Mr. Shikoh Atif Joins Faculty of Management Sciences at DSU



Mr. Shikoh Atif has joined DHA Suffa University's Management Sciences Department. Shikoh Atif is a world renowned business author and leadership lecturer and trainer. His best-selling book entitled 'Managing the Unthinkable' is the training manual for C-Level executives in North America and around the world. He has an MA from the University of London, UK and an MBA from Kellogg Business School, Northwestern University Chicago. He has taught at York University, Canada's cutting edge Schulich School of Business and was voted the 'Professor of the Year' for the year 2012. Shikoh Atif brings with him the unique experience of teaching and consulting in four continents of the world.

Inauguration of German Resource Center Planned for September 2014

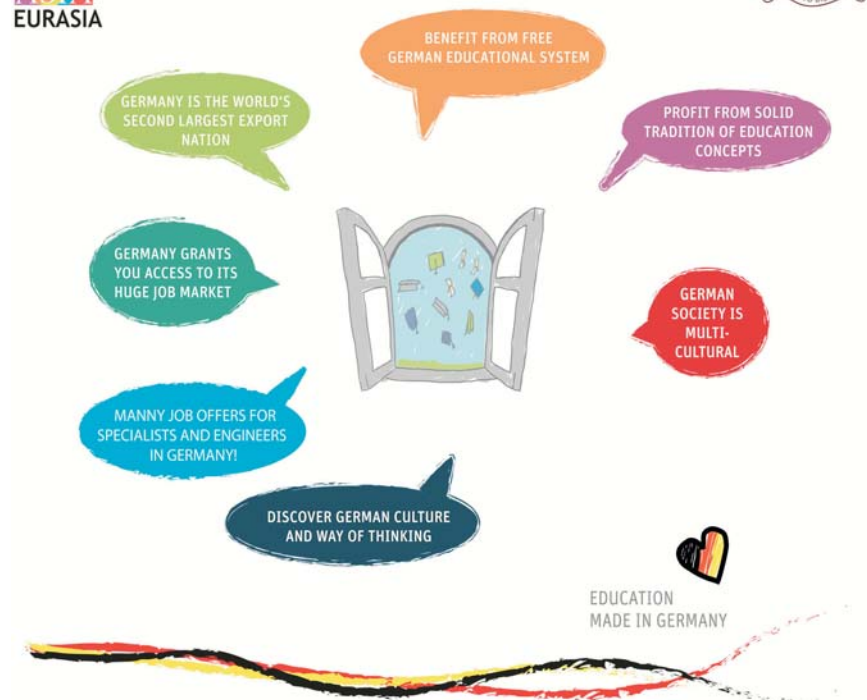
GRC to serve as a stepping stone to create pathways for pursuing higher education from German universities

During the first quarter of 2014, DSU signed an MOU with the Eurasia Institute of International Education (EIIE) located in Berlin, Germany for collaboration and establishment of long term relationship to advance shared objectives and vision for promotion of international educational cooperation. GRC is an initiative by DSU to create pathways for students to advance their education and careers through world-class German universities.

Under the terms of the MOU, one major item of collaboration between DSU and EIIE is the establishment of a German Resource Center at DSU to impart training in German language by a native German teacher to students in DSU and other educational institutes (schools, colleges, universities) to facilitate the exploitation of educational, industrial and research opportunities provided by German institutions and industries. The inauguration of GRC is planned for the 2nd week of September 2014. Furthermore, under the other terms of MOU, EIIE will also assist DSU in establishing collaborative linkages with German universities for student and faculty exchange programs.



WHY GERMANY?



QUALITY: A WAY OF LIFE AT DSU

QEC Awareness Seminar at DSU as part of their commitment to ensure quality as a norm in everything we do

Quality Enhancement Cell (QEC) conducted a QEC Awareness Seminar on Friday 28 March, 2014. Engr. Akhtar Nadyne, Director QEC, conducted this session. The seminar was attended by all the Faculty members and Head of Departments. This seminar's main purpose was to bring awareness to all the members about the QEC working and procedures. The presentation focused on the purpose of QEC in DHA Suffa University and its benefits to the University as a whole.

QEC at DSU has the following objectives:

- Improve and maintain academic standards.
- Monitor and enhance students' learning.
- Verify that the existing programs meet their objectives and institutional goals.
- Provide feedback for quality assurance of academic programs and support services.

Although a compulsion by the HEC, the QEC at DHA Suffa University is not



just an implementation in compliance; rather over a broader spectrum it is one of the initial steps in making DHA Suffa University work towards excellence. Aligned with this vision, the QEC embeds quality in all academic degree programs, develops quality assurance processes and

methods of evaluation and monitors the people involved in such activities (faculty, students and staff).

The QEC is responsible to liaise with all the respective nominated degree programs/assessment team members and

coordinate with them in order to ensure conformity to Quality standards as per HEC prescribed standards and prescribed standards of various prestigious international and national regulatory bodies.

DSU Named CUDA Teaching Center

CUDA® Teaching Centre status is an acknowledgement by NVIDIA® of DSU's commitment to providing excellent education and research opportunities

DHA Suffa University (DSU) has recently been named a CUDA® Teaching Center by NVIDIA®, the world leader in visual computing.

experts and resources, including educational webinars, teaching materials, and access to the NVIDIA CUDA Cloud Training Program. DSU will utilize the NVIDIA

supplied hardware and resources to advance the GPU education and research by offering specialized courses for undergraduate, graduate, and post graduate students.

Details of the various specialization courses offered by the Computer Graphics and Visualization (CGV) Research Group can be found online.

CUDA is a parallel computing platform and programming model that enables dramatic increases in computing performance by harnessing the power of NVIDIA GPU accelerators. CUDA Teaching Centers are recognized institutions that have integrated GPU computing techniques into their mainstream computer programming curriculum, and DSU's was recognized for its commitment to providing excellent parallel computing education and research opportunities.

Being a modern and research oriented institution, DHA Suffa University offers several advanced computing courses that educate students on programming the massively parallel nature GPU accelerators with hardware and software SDKs provided by NVIDIA. Acknowledging DSU's commitment to provide excellent education and research opportunities, by the grace of almighty Allah, DSU has been awarded the NVIDIA Teaching Center status.

As a CUDA Teaching Center, DSU will benefit from NVIDIA parallel programming

Dean DSU Delivers Presentations at National and International Conferences

Dean, DHA Suffa University, Engr. Prof. Dr. Athar Mahboob, TI, recently made a number of presentations at prestigious national and international conferences. These presentations include the following:

- Invited Talk at 8th International Information Security Conference, InfoSec 2013, held in Karachi in December 2013. Title of the talk "The Business Case for Security Information and Management Systems".
- Invited Talk at 2nd National Conference on Information Assurance, NCIA 2013 held at Military College of Signals, Rawalpindi, in December 2013.
- Peer-reviewed Paper Presentation at 10th High Speed Optical Networks and Emerging Enabling Technologies, HONET-CNS, Magosa, Cyprus, in December 2013. The title of the paper was "Securing SCADA Systems with Open Source Software". The presentation



was delivered by the co-author Dr. Junaid Ahmed Zubairi of State University of New York at Fredonia.

- Workshop on OSSIM Installation, Configuration and Usage for Security Information and Management at 10th High Speed Optical Networks and Emerging Enabling Technologies, HONET-CNS, Magosa, Cyprus, in December 2013.

- Invited Talk at 5th International Conference on Information and Communication Technologies, ICICT 2013 entitled "ICT in Pakistani Academia: Potential for Open Source Learning Management Systems" held at the Institute of Business Administration, Karachi.

TOP RESEARCHERS PART OF DSU FACULTY

17 PhD faculty members contribute to enhancing quality teaching at DSU

DSU boasts of a highly accomplished full time faculty, who are actively engaged in teaching as well as research activities. DSU faculty members have a vast experience of having worked for some of the most prestigious national and international teaching, research or industrial institutions and they regularly undertake writing professional papers, researching case studies, or advising public and private sector organizations. DSU's highly qualified and accomplished faculty considers it a pleasure and privilege to interact with its students and to act as their mentors and counsellors, sharing with them their professional learning and experience.

In the Spotlight: Dr. M. Mobeen Movania

Renowned researcher Dr. Muhammad Mobeen Movania, has joined the Department of Computer Science at DHA Suffa University. He has received his PhD degree in Advance Computer Graphics and Visualization from Nanyang Technological University (NTU), Singapore. After doing his PHD, he joined Institute for Infocomm Research, A-Star Singapore where he was responsible for the research and development of augmented reality based solutions for virtual try-on applications as well as GPU-based HDR exposure fusion. He completed his Bachelors of Science Honors (BCS(H)) in Computer Sciences from Iqra University, Karachi with majors in Computer Graphics and Multimedia. Before joining NTU, he was a junior graphics programmer at Data Communication and Control (DCC) Pvt. Ltd., Karachi, Pakistan. He was working on DirectX and OpenGL API for producing real-time interactive tactical simulators and dynamic integrated training simulators.



His research interests include GPU-based volumetric rendering techniques, real-time soft body physics, real-time physics based animation, physically based rendering, real-time collision detection and response, and hierarchical geometric data structures. Recently, Dr. Mobeen has authored a book on modern OpenGL development (OpenGL Development Cookbook) published by Packt Publishing (<http://www.packtpub.com/opengl-development-cookbook/book>). In addition, he has also authored a book chapter in the book OpenGL Insights (<http://openglinsights.com/>) published by AK Peters/CRC Press. Moreover, he has published in several international journals and conferences. He is the author of the OpenCloth project (<http://code.google.com/p/opencloth/>), which implements various cloth simulation algorithms in OpenGL. His blog (<http://mmmovania.blogspot.com>) lists a lot of useful graphics tips and tricks.

In the Spotlight: Dr. Munawar Hussain

Dr. Munawar Hussain has joined DHA Suffa University as an Assistant Professor in the Department of Basic Sciences. Dr. Munawar Hussain is a highly skilled and experienced researcher in Synthetic Organic Chemistry, Bio-organic synthesis, Medicinal Chemistry and Natural Products Chemistry. He is co-author of 44 research articles with cumulative 120 impact factor, 267 citations and II-index-10. In 2008 he achieved Mecklenburg-State Scholarship and received his PhD from University of Rostock Germany. His PhD research was focused on Domino Twofold Heck reaction and subsequent 6 π -electrocyclization and oxidation reactions. He has also worked on other homogeneous and heterogeneous catalysis projects. He had published a record number of publications in high impact journals during his PhD Studies. In 2010 he was selected for Carl Tryggers Stiftels (Sweden) for Post Doc. research.



He joined Prof. Fredrik Almquist at Umeå University, Sweden where he worked on enantioselective addition of Grignard reagents to pyridine -N-oxides and his work has been published in the best journal of organic chemistry, Organic Letters 2013. This article was Highlighted in Synfacts 2013. In 2006 he won Higher Education Commission of Pakistan R & D Scholarship and was appointed as an International Visiting Scientist in University of Waterloo, Canada. In University of Waterloo with Prof. Scott D. Taylor he worked on a research project to target Type 2 Diabetes, where he prepared several potential Protein Tyrosine Phosphatase 1B (PTP1B) inhibitors and published in Bioorg. Med. Chem. Journal 2008. In 2002 he joined HEJ Research Institute of Chemistry, University of Karachi and worked on natural product chemistry. He isolated several new compounds from Abutilon pakistanicum and Abutilon indicum and published in high impact natural product journals. Dr. Munawar Hussain is furnished with versatile research and teaching experience in different interdisciplinary fields. He has several projects in progress in organo-metallic synthesis and bioorganic synthesis in different parts of the world. On his return to Pakistan he has joined DHA Suffa University with the aim of establishing a new advanced and well-equipped laboratory with the sophisticated techniques in organic synthesis to create links between academia and industry of Pakistan.

Orientation Ceremony of Spring Semester 2014 at DSU

On Saturday, 25th January 2014, DHA Suffa University welcomed the Class of Spring

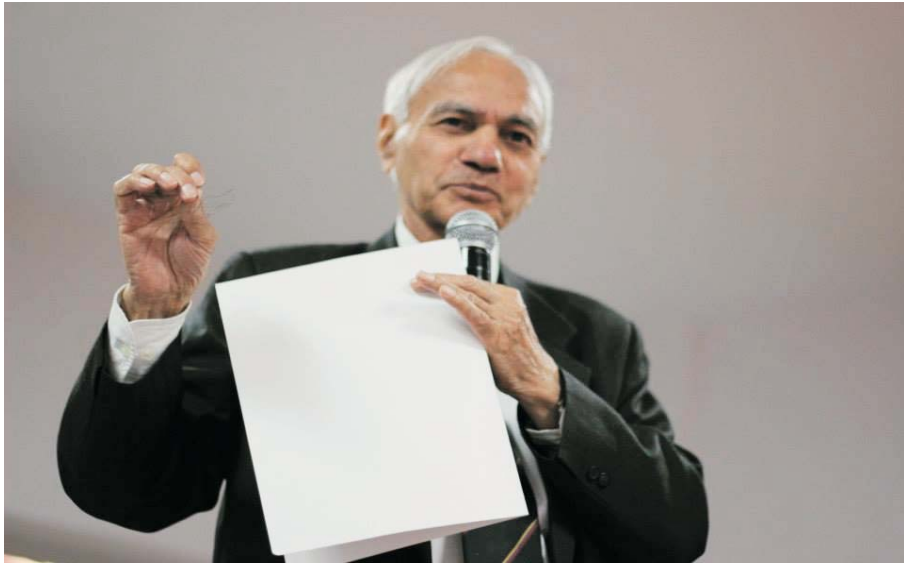


2014. An Orientation Ceremony for the newly inducted batches of Computer Science and Management Sciences was held on Saturday morning with the promise and enthusiasm to prepare these young minds to become future leaders, scholars, innovators, inventors, and visionary professionals, and to educate them with the sense of responsibility and identification of their individual significant role in the world. The Orientation Ceremony was a three hour event, which provided the students an opportunity to familiarize themselves with life on the DSU Campus and the facilities available to them. The parents and incoming DSU freshmen interacted informally with their Heads of the Departments (HoDs) and faculty to share their queries, class schedules and future goals with each other.



1st DSU Workshop on Nanotechnology and Its Applications

Mechanical Engineering students enjoy enlightening presentations by eminent scholars in the field of nanotechnology



Department of Basic Sciences, DSU organized the "1st DSU Workshop on Nanotechnology and Its Applications". Pakistan's pioneers of Nanotechnology were invited as guest speakers to illuminate the world of Nano Science to DSU faculty and students. Eminent scholars like Prof. Dr. N. M. Butt, Chairman of Preston Institute of Nano

Science and Technology (PINSAT), Prof. Dr. M. Iqbal Chaudhry, Director of International Center for Chemical & Biological Sciences (ICCBS) and Dr. Muhammad Raza Shah, Associate Professor at (ICCBS) spoke at the event. The speakers highlighted the importance of this new emerging science and elaborated on some of its applications in

the field of engineering and biological sciences. They also interacted with the faculty and students and answered their questions. Since the Department of Mechanical Engineering at DSU offers Nanotechnology as a specialization stream

to BE students the workshop was a good opportunity for them to get an introduction about the advancements in this emerging science. The Vice Chancellor DSU presented a token of appreciation to all the prestigious guests.



Awards Distribution Ceremony Fall 2013



DHA Suffa University held an Awards Distribution Ceremony for acknowledging the achievements of DSU students and teachers in the Fall Semester 2013. The Dean DSU, Dr. Athar Mahboob presented the opening address of the event, which was followed by an insightful speech given by DSU's Vice chancellor. Scholarship cheques were

presented to the students who had been awarded Merit Scholarships in Fall Semester 2013. Certificates were also awarded to students, who had secured a place on the DSU VC's Honor List and Dean's Honor List in Fall Semester 2013. Another highlight of the event was the Best Teacher's Awards presented to teachers of various departments amid a

heart-warming applause from students to acknowledge the hard work and inspiration of their teachers. The Vice Chancellor DSU congratulated the winners at the event and not only encouraged them to keep up their good work, but also motivated others to follow suit and make DHA Suffa University proud of their achievements.



Dr. Imam-ud-Din takes over as Head of Humanities Department



Dr. Imam-ud-Din has joined DHA Suffa University as an Assistant Professor in the Department of Humanities. Dr. Imam-ud-Din has rendered his services at various educational institutes of Pakistan. He earned his PhD degree from University of Karachi in 2008 with emphasis on rules and regulations of Islamic Banking & Finance in Pakistani context. Additionally, he furthered his knowledge in Islamic Banking & Finance by attending numerous courses: Specialization in Islamic Jurisprudence; Shahadat-ul-Aalmiah, and Post Graduate Diploma in Islamic Banking & Finance. His areas of expertise include Islamic Banking & Finance, Islamic Jurisprudence, and International Law & Humanities. He has produced a number of research articles published in both indigenous and international indexed journals. Moreover, he has also reviewed and written books, which have significantly contributed to existing research on Islamic finance.

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1st DSU All Karachi Bilingual Declamation Contest



DHA Suffa University held its 1st DHA Suffa University All Karachi Bilingual Declamation Contest, where students from renowned educational institutions of Karachi participated. This event was organized to

provide a platform to college students to display their best oratory skills. As it was a bilingual competition, a large number of participants competed in both English and Urdu speeches, which were further categorized into serious and humorous topics. The judges, for the competition included Mr. Muhammad Abid Ali Umang, an ex-parliamentarian and co-founder of "Pakistan Debate Council", Mr. Syed Nusrat Ali, a management consultant and trainer, Mr. Mirza Akhtar Ali, an advocate of the High Court and Mr. Syed Raheel Akhtar, a marketer and Soft Skills Trainer. The judges guided participants about the intricacies of effective public speaking. The participants of both the English and Urdu speeches exhibited exceptional oratory talent and



great zeal and fervour in delivering their speeches. The Best Team trophy was

clenched by the team of Jinnah Sindh Medical University, Karachi.

Josh-e-Junoon: DSU Leadership Conference



"Josh-e-Junoon" was a one day training session comprising of numerous activities, syndicate sessions and lectures, which concluded by Umair Jaliawala's most famous 'Dastan-Ishq', which was first time ever presented in Karachi. "Josh-e-Junoon" was a one of its kind event, which received rave reviews and a phenomenal response from its participants. The hard-work and dedication of the organizing committee of the event is commendable and was obvious by the way every minute detail, right from the sale of the tickets to the promotion of the event to the execution of the training session was tied up meticulously.

On February 8th 2014, DHA Suffa University organized a leadership conference entitled "Josh-e-Junoon", in collaboration with the School of Leadership (SOL) at DSU Campus. "Josh-e-Junoon" provided participants with an opportunity to direct their energy to positive pathways. Over 400 participants from all around the country gathered to share the phenomenal experience of leadership, motivation, learning, team building and self-awakening imparted by renowned trainers namely Shireen Naqvi, Umair Jaliawala, Arsalan Larik, Sumra Ahmed, Urooj Mazhar, Anoush and Waqar.



Float Your Boat Competition



DSU organized "Float Your Boat Competition" between students of different departments at the SKBZ College swimming pool. It was a competition full of technical knowledge, mechanical constructing, fun and enjoyment. The challenge consisted of rafts designed and built from recycled materials where the contestants tried to race to the finish line in the shortest time possible without leaving their boat behind. The goal of the competition was that the contestants create "boats" that are both artistically interesting, reasonably

buoyant, and made entirely of recycled materials. During the competition, crossing the finish line was far less important than what happens along the way. Students from all the departments of DSU enjoyed the competition and its ambiance while cheering for their favorite teams. The competition was judged by the HOD and faculty members of Mechanical Engineering Department. The "Voagers", took the first position, "Speed Demons" clenched the second position and "The Jalebies and the French Toast Mafia" secured third position.



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