



# DHA SUFFA UNIVERSITY NEWSLETTER

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Editor  
**Ayesha Mahmood**

Execution and Operations  
**Ayesha Mahmood**

Graphics  
**Sabeeh Kaleem Siddiqui**

Photography  
**Ovais Amin Kasmani**

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The next issue of DSU News will be published in January 2018.





## DHA Suffa University Holds PROEX 2017

On January 18, 2017, DHA Suffa University's Department of Mechanical Engineering organized its first Project Exhibition, PROEX 2017, where engineering projects of final year students were showcased. The event was attended by company executives, industrial representatives and CEOs who were highly appreciative of the engineering prowess exhibited by students through their projects. Administrator DHA, Brig Shahid Hassan Ali, also graced the occasion by his presence and lauded the efforts of DHA Suffa University's Mechanical Engineering students. He stressed upon the significance of conceiving research projects that are aimed at alleviating Pakistan's problems and have the potential to significantly contribute towards building the nation. PROEX 2017 marked the culmination of a four-year journey of Mechanical Engineering students belonging to DHA Suffa University's pioneering batch. DHA Suffa University wishes its engineering graduates well in their professional endeavors and hopes to see them placed at leading multinational companies and organizations.



# COVER



## DHA Suffa University Holds DSUMUN-II

The second DHA Suffa University Model United Nations Conference (DSUMUN-II) was held at DHA Suffa University from March 31, 2017 to April 2, 2017. Delegates from prestigious institutions of Karachi participated in the conference and contemplated global issues in a series of panel discussions that lasted three days.

The first day of DSUMUN-II commenced with an opening ceremony followed by committee sessions. The committee sessions proceeded to the second day as delegates presented proposals to resolve global issues. The second day of DSUMUN-II culminated with a Qawali Night featuring Sabri Brothers.

The conference ended on the third day with a closing ceremony during which awards were presented to the best delegates. The Chief Guest, Mr. Saad Abdullah Saad Al Mohamoud, Consul General of the State of Qatar, appreciated the efforts of organizers, delegates, trainers and volunteers in arranging a successful conference.



# STORIES



### DHA Suffa University Conducts Free Workshops for DA College Students

On January 18, 2017, DHA Suffa University (DSU) hosted two free workshops on "Web Development" and "Writing a Personal Statement" for DA College students. These interactive workshops were organized by Dr. Faryal Salman, Head, Department of Management Sciences, as part of DSU's mission to promote technical and vocational education among college-going students. Ms. Naila Shahzada and Mr. Kamran Ali designed and conducted the specialized workshops that became part of DSU's mission to impart specialized knowledge and skills, in its community drive to eradicate illiteracy and promoting useful technical and vocational skills, especially to students of government colleges.

The Web Development workshop, conducted by Ms. Naila Shahzada, was designed for college students who wanted to enhance their creativity by designing and developing websites in basic HTML code. The workshop discussed how a website is different from a blog and gave participants additional skills to create their own websites, keeping in view the design principles and planning through story boarding. This workshop also gave them an overview of the internet, web hosting and basic methods of SEO to make websites more effective and visible.

The specialized workshop for Writing a Personal Statement was intended to help intermediate students hone the required skills to write personal statements that would stand out. Mr. Kamran Ali described what a personal statement is and why it is important, while identifying several approaches used to create personal statements. He discussed the best practices and gave tips for developing an effective personal statement. The participating students acquired useful soft skills and gained the ability to describe themselves and their achievements emphatically. Moreover, they learnt about the appropriate vocabulary, tone and style for writing varied personal statements.



### Training Session on Stress and Time Management

On May 3, 2017, a training session on Stress and Time Management was organized by the students of Training and Development under the supervision of Ms. Tehseen Azhar. The trainer, Ms. Shehla Najeeb, discussed the various techniques of effectively managing stress and time. The objective of this session was to reflect on stress and time management and provide students an opportunity to apply the tools of Training and Development by conducting and managing a training session.



### Session on Supply Chain Technology and Best Practices in Healthcare

An interactive session on Supply Chain Technology and Best Practices in Healthcare was held at the Executive Lecture Theater of DHA Suffa University (DSU) on March 31, 2017. The session was conducted by Mr. Malik Ahmed Khowaja who has 12 years of strategic procurement experience in various fields of supply chain and is currently working as Manager of Materials at Agha Khan University Hospital (AKUH).

Mr. Khowaja captivated the attention of students by reviewing key Lean Six Sigma concepts and their applications on real-life case studies. In an interactive style, he described scenarios where actual operational and supply chain issues were resolved by him and his team using Supply Chain/Lean Six Sigma methodologies, including value stream mapping and DMAIC. He discussed that by adopting supply chain technologies, namely, barcoding and RFID tagging, human errors can be reduced and explained that storage conditions and systems developed to track expiry dates of medical supplies can have an impact on a medication's efficacy. Finally, he demonstrated how supply chain projects are strategically measured, controlled and monitored using Key Performance Indicators.

During the session, the use of new teaching methodologies, including case studies, pre and post implementation videos helped bridge the gap between theory and practice and demonstrated the application of core concepts that students had learnt in their Supply Chain Management courses. It was evident from the active participation and feedback of students that the session furthered their interest in the subject.



### Seminar on Significance of CPEC

On February 2, 2017, a seminar titled "Significance of China-Pakistan Economic Corridor (CPEC) - Rising Opportunities in Pakistan" was held at DHA Suffa University. Mr. Aamir Khan, who has over ten years of extensive experience in Free Trade Zones, Seaports, Logistics, Shipping and Freight Forwarding was invited to speak on the internal dynamics of CPEC. He is currently working as the Head of Research and Business Development for China Overseas Ports Holding Company Pakistan (Pvt.) Ltd. Having a diverse experience, he offered insights on CPEC and how Pakistan can take advantage of such a massive project. He also discussed the significance of Gwadar Port and how the strategic location will benefit Pakistan and what benefits can Pakistan reap from this economic corridor. This was followed by a question-and-answer session in which individual student queries regarding CPEC were answered.



### Seminar on eBusiness - The Digital Markets Are Here

On April 12, 2017, the Supply Chain Cluster of Management Sciences department held its first eCommerce seminar titled "eBusiness - The Digital Markets Are Here!". eCommerce is an area gaining a lot of significance in our lives as business transactions are no longer limited to physical boundaries. The objective of this seminar was to discuss the various important issues of eBusiness, including implementation of successful eRetailing models and applications, new modes of ePayments, eSecurity and government measures taken against cyber-crimes.

A panel, consisting of three distinguished speakers, was invited to speak on the issues and share real-life valuable experiences with students. The first speaker, Mr. Shabbir Chandio, FIA Investigation Officer, Crime Circle, Karachi, discussed the sensitive topic of internet security and cyber-crime. He pointed out measures taken by the Government of Pakistan to increase online security and trust. He also explained some salient features of the newly implemented Cyber Laws and gave sound advice on the safety measures that should be taken on the Internet. The second speaker, Ms. Saman Javed, Head of Communications and PR, Daraz.pk, shared her experience of how Daraz.pk has been successful in engaging customers and providing the best services. She also talked about the company's successful campaign of Black Friday and how about 1.5 million potential customers visited Daraz.pk's website. The third speaker, Mr. Mustafa Ramzan, Head of Data, UBL, informed students of the new mechanisms of ePayments and how online payments have become fast and more secure over the years. He also gave an interesting perspective on how voluminous data, which is now generated by eBusiness ventures, can meaningfully be explored and used to understand customers.

### Seminars on Quality Assurance Awareness

During the months of March, April and May 2017, a series of quality assurance awareness seminars was conducted for the students of all academic departments by Mr. Hamza Ahmed Qazi (Deputy Director QEC, Mechanical Engineering), Ms. Bushra Mahmood (Assistant Director QEC, Management Sciences), Mr. Abdul Samad (Assistant Director QEC, Electrical Engineering) and Mr. Zahid Hussain (Assistant Director QEC, Computer Science). The seminars focused on quality assurance awareness and IQA mechanism at DHA Suffa University.

The lectures covered an introduction to quality and why quality improvement must be emphasized by the University. The students were briefed about the ranking criteria and maximum scores for each criterion. An overview of the self-assessment of programs was given to help students understand the holistic approach to maintaining quality. The assessment model was then explained and the lectures were kept interactive to encourage participation of students. HEC's self-assessment criteria was explained in detail which included program's mission, objectives and outcomes, curriculum design and organization, laboratories and computing facilities, student support and advising, process control, faculty, institutional facilities and institutional support. Each of these assessment criterion was discussed to explain how they contribute to achieving quality. The importance of feedback and survey forms was also emphasized and how they help with assessment was discussed. In the end, the outcomes of assessment were explained to the students. The lectures concluded with question-and-answer sessions.



## DHA Suffa University Students Call on Administrator DHA

On July 6, 2017, a group of six DHA Suffa University (DSU) students selected to undergo a four-week summer internship program at AIMST University, Penang, Malaysia, along with a group of five students selected to attend a summer camp hosted by EURASIA Institute for International Education (EIIE) in Berlin, Germany called on Administrator DHA, Brig Shahid Hassan Ali, at DHA Head Office.

The delegation apprised the Administrator of the schedule and various details of the stipulated academic activities of DSU's foreign mobility programs. The Administrator congratulated the students and asked them to act as ambassadors of Pakistan and DSU. He wished the students all the best for their successful participation in DSU's foreign mobility programs and hoped that their experiences will not only benefit them but will also encourage and motivate other students.



## DHA Suffa University Students Attend EIIE Summer Camp 2017 in Germany

Five students of DHA Suffa University attended a summer camp, hosted by EURASIA Institute for International Education (EIIE) in Berlin from July 14 to 24, 2017. The aim of the summer camp was to give students an opportunity to explore Germany as a possible destination for higher studies and to give them exposure to German language, culture and lifestyle. The summer camp included German language lessons, sightseeing tours in and around the city of Berlin and educational trips to German universities and industries. During the summer camp, students also visited the German automobile manufacturing facility in Wolfsburg and the Technical University of Berlin. The summer camp concluded with a farewell party that was attended by international summer camp participants who represented their respective countries. The summer camp provided students with an opportunity to interact with people from various nationalities and was thoroughly enjoyed by the students.



## DHA Suffa University Holds German Day

On April 25, 2017, DHA Suffa University's International Education Resource Center (IERC) organized 'German Day' on-campus. The German Day consisted of various stalls titled 'German Higher Education', 'German Lifestyle', 'German Language', 'Job Opportunities in Germany' and 'Services offered by EIIE and IERC'. The objective of these stalls was to offer information about Germany and to promote Germany as a possible destination for higher studies and lucrative career opportunities.

Mr. Andrew Geddes, Director, EURASIA Institute for International Education (EIIE - Berlin), graced the occasion as Chief Guest and presented certificates of appreciation to student volunteers. He also appreciated the efforts of IERC in organizing an event of this kind, aimed at facilitating as well as encouraging students aspiring to complete their higher studies from Germany.



## Seminar by Ms. Ksenia Naberezhneva

On February 10, 2017, DHA Suffa University's International Education Resource Center (IERC) organized a seminar on higher education opportunities in Germany. The speaker, Ms. Ksenia Naberezhneva, International Education Counsellor, EURASIA Institute for International Education (EIIE - Berlin) apprised the participants of the services offered by EIIE to facilitate students aspiring to study graduate or post-graduate degrees at German universities. This was followed by an interactive question-and-answer session in which individual student queries regarding German higher education were answered by Ms. Ksenia Naberezhneva.

## DHA Suffa University Students Intern at AIMST University Malaysia



DHA Suffa University recognizes the importance of empowering students by providing them with ample professional development opportunities and enriching them through exposure to diverse cultures and worldviews. The University facilitates its students in going a step beyond classroom learning and acquiring hands-on international experience, enabling them to prepare for their careers. In July 2017, a group of six students proceeded to complete a four-week summer internship at AIMST University, Malaysia. The objective of sending students to this foreign internship program was to provide them with an opportunity to apply academic knowledge to an intercultural work environment and help them enhance their professional competencies.



## TCF Social Internship Recruitment Drive 2017



On March 27, 2017, The Citizens Foundation (TCF) executed an on-campus social internship recruitment drive during which one-on-one interviews were conducted with applicants from DHA Suffa University.

## Mock Interviews - Spring 2017



From April 24 to May 5, 2017, the Career Services and Corporate Relations (CS&CR) department organized Mock Interviews for the students of all academic departments at DHA Suffa University. The objective of these interviews was to offer graduating students a simulation of actual job interviews and to allow them immediate feedback on their performance.

## CONCLAVE Pakistan



On April 28, 2017, final year students from the Mechanical Engineering and Management Sciences departments of DHA Suffa University attended a networking event titled CONCLAVE Pakistan at Marriott Hotel, Karachi.

## Employer Branding Session of R-Engineering and Automation



The Career Services and Corporate Relations (CS&CR) department organized an Employer Branding Session during which Mr. Danish Gul, CEO, R-Engineering and Automation apprised students of the company's operations.

## PSO Internship Test Drive 2017



Representatives from Pakistan State Oil (PSO), the largest oil marketing company of Pakistan, visited DHA Suffa University and conducted an initial assessment of students through online internship test.

## PTCL Recruitment Drive 2017



On May 26, 2017, representatives from Pakistan Telecommunication Company Limited (PTCL) visited DHA Suffa University to conduct a recruitment drive and to give a presentation on the structured career development program of PTCL. The PTCL representatives also collected résumés of final year students and graduates of Electrical Engineering and Management Sciences departments.



## Leadership Development Workshops

During the month of April 2017, the Career Services and Corporate Relations (CS&CR) department organized a series of Leadership Development Workshops to enlighten students on the various leadership frameworks being practiced in the corporate sector.

The workshops essentially focused on acquainting students with the various variables of leadership development such as foundational knowledge, self-awareness, communication, diversity dimensions, interpersonal competence and conflict. The qualities of a successful leader were also discussed in detail.





## Ad-Mad Competition

The Marketing Cluster of Management Sciences department organized an advertising competition titled "Ad-Mad" on April 13, 2017. The objective of the competition was to bring out individual and collective talents of the students in the form of creative advertisements that focused on the theme of 'repositioning'. Participants were asked to reposition famous FMCG brands through a 90-second advertisement and a 60-second elevator pitch explaining the repositioning strategy. The panel of judges included advertising and service industry professionals who appreciated the creativity showcased by Marketing students of DHA Suffa University.



## New Faculty Orientation Spring 2017

An orientation program for the newly appointed faculty members was held on February 7, 2017 in the conference room. The objective of the program was to help the new faculty transition comfortably into their DSU faculty roles. The program focused on providing the new faculty members with requisite information and familiarity with facilities, policies and technologies of DSU through a welcome address, brief introductions, overview of DSU regulations, explanation of the criteria of quality, salient features of the examination systems, introduction to the Professional Development Center and IT infrastructure. The orientation program culminated with questions-and-answers and an interactive refreshment session.



## BAQRX 2017

On May 10, 2017, DHA Suffa University (DSU) hosted the pioneering edition of **Beginners Aspire to Quench Research Ideas Exhibition (BAQRX 2017)** to showcase projects engineered by first-year students of the University. Headed by Engr. Syed Sheraz Ali, the objective of the exhibition was to provide emerging engineers a platform to present research ideas and engineering talents through a range of projects.

BAQRX 2017 succeeded in impressing industry experts and faculty members who cross-questioned student teams on the concept, design and execution of the projects. Engr. Dr. Johar Khurshid Farooqi, Professor and Dean EAS, DSU, appreciated the efforts put in by students and gave them valuable insights on how projects can be improved to match standards expected by the industry. Team BAQRX hopes to make the second edition of the exhibition bigger by inviting other departments and universities.



## Interdepartmental Futsal Tournament 2017

DHA Suffa University organized an Interdepartmental Futsal Tournament between the four academic departments. A total of eight teams (two from each department) participated in this tournament. The tournament witnessed a number of close matches and was ultimately won by the Department of Computer Science.



## DHA Suffa University Sports Fest 2017

From April 10 to 15, 2017, DHA Suffa University hosted an inter-university sports event titled "DHA Suffa University Sports Fest 2017". The objective of organizing such a large-scale event was to promote sports at grassroots level and provide young athletes a platform to showcase their talent. Students from prestigious universities of Karachi, including SZABIST, NEDUET, FAST-NU, Bahria University and Dow University enthusiastically participated in the festival. A range of sports, including cricket, volleyball, basketball, throwball, badminton, futsal, squash and table tennis were played during the week-long festival. The event witnessed a number of nail-biting encounters between the participants and the winners of all competitions received trophies and cash awards.





# DHA Suffa University Joins The Citizens Foundation's University Partner Network



On July 25, 2017, DHA Suffa University (DSU) and The Citizens Foundation (TCF) signed a Memorandum of Understanding (MoU) to collaborate on community service projects and activities. The signing of this MoU entails including DSU in TCF's university partner network and establishing a university chapter of TCF at DSU. Both parties have agreed to jointly work for the betterment of society through participation in TCF's Alumni Development Program (TCF-ADP). TCF-ADP is a volunteer-based intervention that prepares TCF alumni for admission in some of the finest universities. The collaboration with TCF is another step towards strengthening DSU's involvement in the local community.

### Seminar on Disability Sensitization and Advocacy

To commemorate International Wheelchair Day and to create awareness of people with disabilities, the Corporate Social Responsibility (CSR) department of DHA Suffa University (DSU) organized a seminar on disability sensitization and advocacy on March 1, 2017. The seminar, conducted by Dar-ul-Sukun, offered insights into the lives of people with disabilities. The seminar helped the audience gain a new perspective on the actual meaning of disability and made them conscious of the fact that people suffering from disabilities are only differently abled. The audience was made aware that a disability may not always be inherent but can be created; therefore, a person suffering from a disability is not different. The seminar also helped invoke a sense of empathy in the audience and made them realize their responsibilities towards people with disabilities.

### Session on Traffic and Road Safety

On April 12, 2017, the Corporate Social Responsibility (CSR) department of DHA Suffa University (DSU) organized an awareness session on traffic and road safety for the drivers and staff members of DSU. The session, held in collaboration with Mera Karachi Group (MKG) and FM 107, aimed to raise awareness of road safety and basic traffic rules. The speakers from MKG emphasized the notion of responsible citizenship through guidance and discussion on how one can play an integrated role in a civilized society. A traffic police officer was also present to highlight the most commonly broken laws by individuals. The session was successful in engaging the audience and ended with "Mera Ehad" that involved members of the audience taking oaths to strive to become better citizens by adhering to basic traffic rules and regulations.

### Session on Anti-Tobacco Awareness

The Corporate Social Responsibility (CSR) department of DHA Suffa University (DSU) organized an anti-tobacco awareness session on April 7, 2017 to commemorate World Health Day. The aim of this session was to raise awareness among students and faculty members of the harmful effects of smoking and tobacco-related products. The session, conducted by medical representatives from Shaukat Khanum Memorial Cancer Hospital and Research Center, conveyed the message that tobacco usage is the single most preventable cause of cancer.



### Toy Drive - Spring 2017



The Corporate Social Responsibility (CSR) department of DHA Suffa University (DSU) organized a two-week toy drive in the month of March. The aim of this drive was to collect toys from the families, friends and students of DSU and distribute them among the children at Dar-ul-Sukun, a special education school in Karachi. People from all over Karachi generously donated toys ranging from sports equipment, legos and dolls to a variety of stuffed toys and cars. The toy collection campaign was a roaring success and over a thousand toys were packed for distribution.

On March 23, 2017, a group of student volunteers from DSU visited the head office of Dar-ul-Sukun to celebrate Pakistan Day and to bring smiles to the faces of the children at Dar-ul-Sukun. The visit proved to be an altering experience for the volunteers who mingled and played with the children and celebrated Pakistan Day with enthusiasm.

The CSR department hopes to continue organizing such initiatives in its community drive to help the less fortunate.





### **DHA Suffa University Signs MoU with Indus Hospital Blood Center**

On February 15, 2017, DHA Suffa University (DSU) signed a Memorandum of Understanding (MoU) with Indus Hospital Blood Center. This MoU entails hosting annual blood drives and encouraging DSU's faculty, staff and students to actively donate blood. In addition, the Indus Hospital Blood Center would facilitate volunteering opportunities and internships for DSU's students at the Indus Hospital. The signing of this MoU is a step towards fulfilling DSU's commitment to be socially responsible and to give back to the society.



### **DHA Suffa University Hosts Blood Drive 2017**

In collaboration with Indus Hospital, DHA Suffa University (DSU) hosted its third day-long blood drive on February 15, 2017. This was the first blood camp organized after the signing of MoU with Indus Hospital Blood Center. A total of 250 blood bags were collected in this blood drive.



### **DHA Suffa University Celebrates International Women's Day**

To celebrate International Women's Day, the Corporate Social Responsibility (CSR) department of DHA Suffa University (DSU) organized a motivational session on March 8, 2017. The objective of the session was to honor women across the globe and share success stories of three inspiring women who conquered all odds to find success.

The first speaker, Dr. Faryal Salman, Head, Department of Management Sciences, DSU, discussed the importance of striking a work-life balance. She shared her experiences and struggles as she tried to juggle her professional responsibilities with her personal responsibilities of being a daughter, wife and mother. The second speaker, Ms. Rifat Sabzwari, CEO, Four Corners Group (Pvt.) Ltd, offered an interesting perspective on the ingredients needed to be a successful career woman and shared the challenges she faced in trying to establish her own market research company. She advised the aspiring entrepreneurs to convert their dreams into concepts and plans and to finally execute those plans against all odds. The third speaker, Ms. Saima Haq, Founder, Chairperson and Principal, Special Children's Educational Institute, shared her story of how she initiated a social cause and developed it into a career. She explained that charity can become a full-time career if one is determined and genuinely cares about doing something for the society.

The success stories of the speakers not only inspired the audience but also prompted them to think about the struggles that women around the world undergo to achieve success and equality.

### **Social Media Campaigns for Chikungunya and Naegleria Fowleri Awareness**

Recognizing the growing concerns of *Chikungunya* and *Naegleria Fowleri* in Pakistan, social media campaigns were carried out to create public awareness on the prevention, causes, symptoms and treatments of the diseases. In addition, chlorine tablets were added to water tanks within the premises of DHA Suffa University to disinfect them from *Naegleria Fowleri*.



### **DHA Suffa University Students Participate in WWF's Adopt a Tree Campaign**

The Corporate Social Responsibility (CSR) department of DHA Suffa University (DSU) organized a range of fundraising activities during the blood drive hosted by DSU on February 15, 2017. The activities raised a total of Rs. 16,500 and the CSR department decided to use this money to participate in WWF's "Adopt a Tree" campaign. The objective of this campaign was to help reduce the effects of heatwave by planting trees across Pakistan. Since it costs Rs. 300 to plant a tree, students of DSU were able to adopt 55 mangrove trees that were planted and tagged with the name of DSU on April 4, 2017. The planting of trees will not only improve water quality but also create habitats for wildlife and control problems caused by climate change.

## Asia's First Rocket-Powered Car Wins Cash Prize at DICE Automotive



Distinguished Innovations, Collaborations and Entrepreneurship (DICE) Foundation is a non-profit USA based organization, which is trying to foster the culture of innovation and entrepreneurship to transform Pakistan into an innovation-driven economy. One of the main annual events in this regard is the DICE Automotive Competition, which was held at NEDUET, Karachi. Students working under the supervision of Dr. Bilal Siddiqui and Engr. Mahrukh Mumtaz designed, manufactured and tested Asia's first rocket-powered car, *Rocket-Raftaar*, powered by Pakistan's first hybrid rocket engine, *Raheel-1*. The rocket, mounted on a composite car structure, is remotely operated for safety. Hybrid rockets are inherently safe, reusable and able to be throttled. Team Rocket-Raftaar was awarded "most worth-mentioning project" award at DICE Automotive and a cash prize of Rs. 10,000. Having qualified static tests, *Rocket-Raftaar* is all set for an autonomous test drive. The promotional video of Rocket Raftaar can be viewed at '<https://www.youtube.com/watch?v=gKFORbNn8gU>'.

## Dr. Hironao Takahashi Presents Research Papers at ISADS Thailand 2017

Dr. Hironao Takahashi, Director ORIC and Associate Professor, Department of Computer Science at DHA Suffa University (DSU) presented two research papers at the 13th IEEE International Symposium on Autonomous Decentralized Systems (ISADS 2017) held in Bangkok, Thailand from March 22 to 24, 2017.

The first paper titled "Autonomous Decentralized Kernel Cache Architecture for Multi-Ontology Based Information Extraction on Microsoft Windows" proposes architecture to improve the query time for Ontology Based Information Extraction (OBIE) systems that utilize multiple ontologies. The second paper titled "Improving the Understanding between Control Tower Operator and Pilot Using Semantic Techniques" discusses a solution to record the voice of both controller and pilot and semantically categorize it to ensure reliable communication and improved aviation safety.

ISADS 2017 focused on the advancements and innovations in ADS concepts, technologies, applications, strategic issues and other related topics. The participants came from USA, UK, Germany, Netherlands and Japan and discussed new research areas such as ADS architecture and its implementation in automatic driving systems of automobiles, ontology for Internet of Things (IoT), cloud computing and big data analysis.

The scholarly work of Dr. Hironao Takahashi has considerably elevated the stature of DHA Suffa University and has contributed to the literary accomplishments of DHA Suffa University's Department of Computer Science.



## DHA Suffa University Wins Prizes in All Categories at NEDUET Propellair 2017



For the third consecutive year, students from DHA Suffa University (DSU) won prizes in all categories at one of the biggest aerospace engineering competitions in the country, IMechE Propellair, hosted by NEDUET, Karachi. Students from the Mechanical and Electrical Engineering departments, working with Dr. Bilal Siddiqui and Engr. Shahzaib, designed, built and flew unique aircraft concepts, ranging from pusher-canards to twisted-creaked wings and multi-copters. In the multi-copter category, DSU won the first prize and the highly maneuverable rotor-craft became one of the highlights of the day. In the light weight category, DSU clinched the second position in a photo-finish. In the heavy weight category, the unique pusher-canard won the "Best Technical Design" award.

## Dr. Faryal Salman Presents Paper at 4th Academic International Conference on Business, Marketing and Management (AICBMM) in USA

Dr. Faryal Salman, Head of Department, Management Sciences, presented a research paper at the 4th Academic International Conference on Business, Marketing and Management (AICBMM), hosted by the Institute of Research and Development at Harvard University, USA from July 17 to 19, 2017. The paper titled "A Discussion on the Connection between Consumer Culture Theory (CCT) and National Culture Theory (NCT)" was an attempt to draw a comparison between NCT that considers culture as a collective social phenomenon related to geographic areas and CCT that transcends topographical boundaries and unites individuals based on consumption ideology.

The travel grant to attend this conference was sanctioned to Dr. Faryal Salman by HEC. The objective of this conference was to stimulate discussion on the various issues affecting business, marketing and management, particularly focusing on human resources and diversity management, tourism, logistics, supply chain, enterprise, investment, project management and strategic management. The conference was attended by scholars from around the world who discussed emerging ideas, trends and technologies in the field of Management Sciences.

The scholarly work of Dr. Faryal Salman has elevated the stature of DHA Suffa University and has contributed to the literary accomplishments of DHA Suffa University's Department of Management Sciences.





**Electrical Engineering Students of DHA Suffa University Win National Electronics Olympiad 2017 at GIKI**

A team of Electrical Engineering students of DHA Suffa University (DSU) participated in the National Electronics Olympiad (NEO'17), organized by IEEE Student Branch of Ghulam Ishaq Khan Institute of Engineering Sciences and Technology, Topi KPK from February 3 to 5, 2017.

The team contested in a number of competitions pertaining to Electronic Engineering and Robotic Modules including Robowars, Skywars and Figure 8 and won most of the competitions against leading institutions of the country such as UET Lahore, NUST, Air University, UET Taxila, Int. Islamic University, FAST-NUCES and GIKI.

The DSU team was declared as the overall winner of the event and was awarded the NEO'17 Trophy. This is a great honor for DHA Karachi and DSU, that being just a five-year old institution, it has taken lead over the old, well-established and prestigious universities of the country.



**DHA Suffa University Students Excel at LUMS Young Leaders and Entrepreneurs Summit 2017**

A team from DHA Suffa University (DSU), comprising Ahmed Usman, Abdullah Sagheer, Ahmed Moon, Syed Owais Hussain and Hassan Abdullah, participated in Young Leaders and Entrepreneurs Summit organized by LUMS. After four grueling days of intense competition, the DSU team claimed 3rd position in the Idea Junction contest.



**Computer Science Students of DHA Suffa University Excel at IBA ProBattle 2017**

Teams from the Computer Science Department of DHA Suffa University (DSU) participated in IBA ProBattle 2017, organized by IBA Karachi from March 3 to 5, 2017. IBA ProBattle 2017, one of the largest annual technology competitions in the country, featured over 1,500 participants across 18 competitions. DSU teams participated in five competitions and secured top positions in three, namely, Web Development (1st position), Game Development (2nd position) and Logic Hunt (2nd position).



**DHA Suffa University Students Excel at FAST-NU Procom 2017**

Teams from the Electrical Engineering and Computer Science departments of DHA Suffa University (DSU) participated in Procom 2017, hosted by FAST-NU Karachi from April 12 to 13, 2017. Procom, one of the most prestigious annual engineering and technology competitions held in the country, featured student participants from eminent universities of Pakistan. DSU's teams secured top positions in three competition categories, namely, Mobile Application Development (1st position), Robowars (1st position) and Circuit Design (2nd position).

**Mechanical Engineering Students of DHA Suffa University Excel at NUST-PNEC Green Innovation Competition 2017**

Under the supervision of Engr. Mustafa Mogri, students of Mechanical Engineering department presented a prototype of the Eco-Building System (EBS V.01) at the Green Innovation Competition 2017, held by ASHRAE-PNEC at NUST-PNEC on February 25, 2017. Students of DHA Suffa University were awarded the runners-up cash prize of Rs. 10,000. They also received praise from industry leaders in automation and were invited to develop similar prototypes as part of a sponsored project.

EBSV.01 is the first prototype that can be retrofitted into an existing conventional building and can provide automation, without the need of incorporating a Building Automation System (BAS). A micro-controller was designed to smartly modulate the use of energy-consuming devices based on the occupancy and energy requirement of the space. The portable device, designed to be smart, can simply be put in a room with single or multiple HVAC units and can provide immediate control of energy-use in the room, including air-conditioning, artificial lighting and fresh air-control.



**Computer Science Students of DHA Suffa University Win at NUST-PNEC Tech Fest 2017**

A team of four Computer Science students represented DHA Suffa University (DSU) in Tech Fest 2017, held at NUST-PNEC on February 19, 2017. The DSU team contested against teams from prestigious universities of Karachi and secured 1st position in Code Cracking Competition.

**Team Zarrar Participates in IMechE UAS Challenge UK 2017**

The Institution of Mechanical Engineers (IMechE), a prestigious international engineering society, organizes an annual Unmanned Aerial Systems (UAS) competition in the United Kingdom. The competition involves designing an autonomous intelligent aircraft system, which is not a simple remote-controlled model airplane but a complete flying robot.

Team Zarrar from DHA Suffa University (DSU) became the first team to qualify from South Asia in the world's premier Unmanned Aerial Systems competition. The students, led by Dr. Bilal Siddiqui, Assistant Professor, Department of Mechanical Engineering, designed, fabricated, automated and flew "Badar", a state-of-the-art Unmanned Aerial Vehicle (UAV). The aircraft was equipped with a programmable autopilot, on-board camera and computer-based ground target recognition. Based on stellar performances of the team at all major aerospace engineering competitions of Pakistan, the team was sponsored by Pakistan Military Academy, Hub Power Company and IMechE with more than Rs. 1 million.

During the competition that consisted of 20 teams from various international universities, Team Zarrar received recognition as the first team from Asia to fly a fixed wing aircraft autonomously without human intervention. Despite an unfortunate crash due to strong crosswinds in the first attempt, the team was able to repair Badar, the largest aircraft in the competition and the only aircraft with a mechanical engine, overnight and surprised judges with the result.

Team Zarrar hopes to perform even better next year, having now earned the requisite experience and knowledge of the format.

A video of the autonomous flight at Snodonia Aerospace Center, United Kingdom on June 19, 2017 can be viewed at

'<https://www.facebook.com/UASChallengeMechE/videos/450874881949537>.'





## Team DSU Bur'raq Calls on Administrator DHA

Team DSU Bur'raq, after a successful feat in Formula Student Australasia 2016, called on Administrator DHA, Brig Shahid Hassan Ali, to brief him about their visit and performance abroad. The faculty supervisor of the team, Engr. Hamza Shams, apprised the Administrator of the design, features and manufacturing processes undertaken by the team to develop *Bur'raq 16* race car that won accolades in Australia. The Administrator lauded the hard work and concerted efforts of DSU's students in completing this project with distinction and rewarded them with a cash prize of Rs. 0.5 million. He advised the students to continue working hard and to keep excelling in future competitions to project a good image of DSU, DHA and Pakistan on international forums.



## Delegation from DHA Suffa University Visits Pakistan Autoshow 2017

On March 4, 2017, a six-member DHA Suffa University delegation comprising the faculty of Mechanical Engineering department led by Engr. Shoib Ahmed, Chairman SAE International Collegiate Chapter, visited Pakistan Autoshow 2017 at Karachi Expo Center. The delegation met senior personnel from automotive giants, including Toyota Indus Motor Company Ltd, Pak Suzuki Motor Company Ltd, Atlas Honda Ltd, Al-Haj FAW Motors Ltd and Total Parco Pakistan Ltd. The delegation promoted the newly established SAE International Collegiate Chapter at DSU and discussed matters pertaining to industry-academia collaboration, industrial visits and placement opportunities for DSU students as well as participation of industrial representatives in Board of Studies of Mechanical Engineering department. The delegation also apprised industry individuals of DSU's promising growth in the automotive sector through student projects of international caliber, including *Bur'raq 16* for Formula Student Australasia 2016, solar-powered car for Cyprus Solar Car Challenge and urban concept vehicles for Shell Eco Marathon Asia. The delegation highlighted the importance of developing close ties with Pakistan's automotive industry to reduce the gap between academia and industry and to promote mutual growth.



## DHA Suffa University Participates in WWF's Nature Carnival 2017

DHA Suffa University (DSU) participated in WWF's Nature Carnival 2017, held at Pakistan Maritime Museum, on April 16, 2017. The objective of the carnival was to raise environmental awareness and celebrate the unique biodiversity of Pakistan. The carnival engaged students and faculty members of schools, colleges and universities from all over Karachi in a range of activities, including 3D model-making, art competition, games and project presentations. Under the supervision of Mr. Muhammad Shakir Abdullah and Ms. Farhat Umar, students of DSU actively participated in exhibiting innovative engineering projects that were major crowd pullers.

## Dr. Bilal Siddiqui Delivers Seminars at Top Universities in UK

On June 22 and 23, 2017, Dr. Bilal Siddiqui, Assistant Professor, Department of Mechanical Engineering, DHA Suffa University (DSU) was invited to speak at the prestigious Coventry and Loughborough universities in the United Kingdom, where he met researchers, students and faculty members and discussed matters of mutual academic and research interests. After observing facilities at the two institutions, Dr. Bilal Siddiqui presented his recent DSU research that resulted in several publications, products and patents in a short span of time. The talk titled "Conducting Aerospace Research and Development in Developing Countries on Shoe String Budgets and Alternate Funding" was attended by graduate students and faculty members of the two universities. The talks were well-received and the audience appreciated the depth of Dr. Bilal Siddiqui's research. DSU hopes that these seminars will pave way for better outreach and visibility of Pakistani researchers and students.

## DHA Suffa University Students Visit Careem Head Office

On February 28, 2017, Ms. Erum Fatima, Lecturer, Department of Management Sciences, organized a visit to the head office of Careem for the students of Production and Operations Management. Mr. Durrah Abdullah, Marketing Executive, Careem apprised the students of the daily operations of the organization. Students were also informed about the internship programs offered by Careem. The visit concluded with a question-and-answer session, conducted by Mr. Shahan Khan, Social Media Executive, Careem, who offered students a better understanding of eBusinesses including their advantages and disadvantages. Overall, the visit was highly educational and was thoroughly enjoyed by the students. This visit would not have been possible without Ms. Erum Fatima and Ms. Farhat Umar who provided students with a practical opportunity to understand the significance of Operations Management.

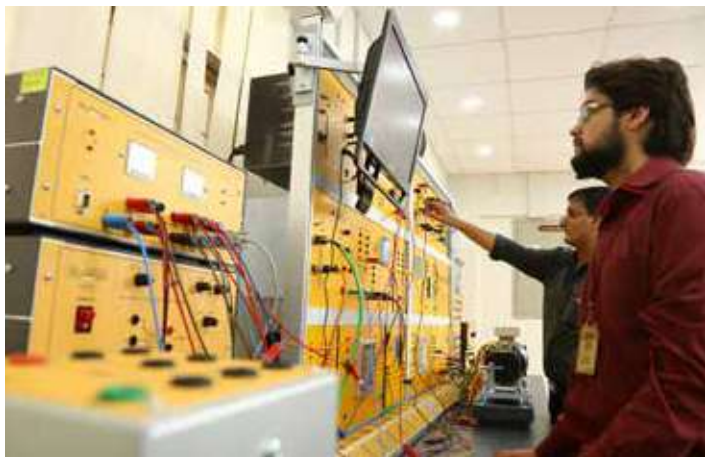


## DHA Suffa University Participates in Express Education and Career Expo 2017



DHA Suffa University (DSU) participated in the Express Education and Career Expo 2017, held at Karachi Expo Center, on May 20 and 21, 2017. Dr. Atta-ur-Rahman, renowned scientist and former Chairman, Higher Education Commission (HEC), inaugurated the expo and delivered a speech stressing on the paramount importance of higher education. The two-day exhibition offered a platform to connect national and international universities with college and university-going students under one roof. Dr. Gianluca Rubagotti, Italian Consul-General, also attended the expo and appreciated the collaboration between Express Media Group and universities in facilitating students aspiring to acquire higher education from Pakistan. DSU participated as a platinum partner through a grand booth and exhibited a number of student projects that attracted a large crowd. A team of DSU representatives and prominent faculty members were present at the booth to answer queries of the visitors. A huge number of visitors availed this opportunity to interact with DSU's faculty members and to learn about the various programs and facilities offered by the University.





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[www.dsu.edu.pk](http://www.dsu.edu.pk)

To view the life at DHA Suffa University, please visit:

<https://tinyurl.com/dsucorporatefilm>

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Off Khayaban-e-Tufail, Ph-VII (Ext.), DHA, Karachi  
Tel: 35244851-53 | E-mail: [info@dsu.edu.pk](mailto:info@dsu.edu.pk)