



# BAHRIA UNIVERSITY

Discovering Knowledge



## ANNUAL REPORT 2017-2018

# ANNUAL REPORT 2017-18



**BAHRIA UNIVERSITY**  
Discovering Knowledge

Directorate of Quality Assurance Bahria University  
Head Office, Shangrilla Road, Sector E-8,  
Islamabad, Pakistan





# LIST OF ABBREVIATIONS

ACM	Academic Council Meeting
ACSE	Asian Council of Science Editors
APQN	Asia Pacific Quality Network
AQAIIW	Association of Quality Assurance Agencies of the Islamic World
ACU	Association of Commonwealth Universities
AGI	Askari General Insurance
AT	Assessment Team
BJPP	Bahria Journal of Professional Psychology
BOG	Board of Governors
BU	Bahria University
BUHQ	Bahria University Headquarters
BUIC	Bahria University Islamabad Campus
BUJICT	Bahria University Journal of Information & Communication Technologies
BUKC	Bahria University Karachi Campus
BULC	Bahria University Lahore Campus
BUM&DC	Bahria University Medical & Dental College
BYTE	Bahria Youth Technothon
CPSP	College of Physicians and Surgeons Pakistan
CPEC	China–Pakistan Economic Corridor
CAC	Corporate Advisory Committees
CNS	Chief of Naval Staff
DQA	Director Quality Assurance
PGP	Post Graduate Programs
DBOS	Departmental Board of Studies
EFU	Eastern Federal Union
ERC	Ethical Review Committee
FDA	Faculty Development Academy
FBOS	Faculty Board of Studies
FDRC	Faculty Departmental Research Committees
GMJACS	Global Management Journal for Academic & Corporate Studies
HEC	Higher Education Commission
HEI	Higher Education Institutes
HERC	Higher Education and Research Committee
INQAAHE	The International Network for Quality Assurance Agencies in Higher Education

IOT	Indigenous on Campus Training
IPP	Institute of Professional Psychology
JBUMS	Journal of Bahria University Medical Sciences
JLSP	Journal of Law and Social Policy
KDU	Kotelawala Defence University
MIC	Microsoft Innovation Centre
MTC	Maritime Technologies Complex
NCEG	National Center of Excellence in Geology
NADRA	National Database and Registration Authority
NDU	National Defence University
NESCOM	National Engineering and Scientific Commission
NUST	National University of Sciences and Technology
NMS	National Maritime Seminar
NCMPR	National Centre for Maritime Policy Research
ORIC	Office of Research, Innovation & Commercialization
PDC	Professional Development Centre
PITB	Punjab Information Technology Board
PCTN	Pakistan Chapter of Talloires Network
PEC	Pakistan Engineering Council
PERN	Pakistan Education and Research Network
PM&DC	Pakistan Medical and Dental Council
QA	Quality Assurance
QAA	Quality Assurance Agency
QPSP	Quality and Productivity Society of Pakistan
QEC	Quality Enhancement Cell
RIU	Riphah International University
SECP	Securities and Exchange Commission of Pakistan
SAR	Self-Assessment Report
HALP	Huawei Authorized Learning Partnership
UNIDO	United Nations Industrial Development Organization
UOG	University of Gujrat
USEF	United States Education Foundation



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# Rector's Message



**Vice Admiral (R) Muhammad Shafiq HI (M)**  
Rector Bahria University



This annual report is an account of the progress of Bahria University in the strategic areas of Integral Education, Expert Communication, Leadership and Community, Educational Model, Partnerships, Research & Innovation, and Internationalization. This is how we respond to the vision for the year 2019-20.

The scale and speed of change related to implementation of our Strategy during 2017-18 was unprecedented and demanded a lot from our staff. Their outstanding work, for which I am immensely appreciative and grateful, has led to the progress outlined in this report. Alongside many achievements this annual report indicates our sound professional commitment. It is noteworthy that the scale of our operations has grown significantly in recent years.

We are committed to conducting high quality basic, applied, and interdisciplinary research that will benefit society on a national and global scale. Our teaching and research staff excel in many subject areas and are well recognised and acknowledged for their contribution to the creation and advancement of knowledge and technology transfer.

Bahria University is a special place where students and professors enjoy a unique educational environment. Students have the great chance of experiencing various cultures and develop a sense of respect, tolerance, and friendship which will contribute towards progress, international collaboration, peace and dialogue.

The student / staff ratio in most classes is balanced which makes the learning process more student-centered. There are no barriers that may hinder students from pursuing their academic queries. Professors are accessible, available, and friendly; they are more willing to help with academic achievement and advancement.

**The success we have reached this year shall become a challenge to continue giving the best of ourselves, to become better teachers, to generate knowledge, to encourage our students to be creative, entrepreneurial, innovative, thus helping to improve our society, and doing a better job in our tasks, such as service and management.**





## Executive Summary

Bahria University is a Federally Chartered Public Sector University which was established on 7th February 2000 through a Presidential Ordinance. It is a multi-campus institution of higher education, which is committed to attain the highest standards in teaching, learning and research, compatible with global requirements of practicing different professions.

Bahria University offers a wide range of academic programs at undergraduate, graduate and post graduate level. The programs are being offered by the academic departments under four major faculties including Engineering Sciences, Management and Social Sciences, Health Sciences, Professional Psychology

There are 1405 total faculty members out of which 788 are permanent faculty members and 628 are visiting faculty members. At present Bahria University is running 28 MS/MPhil & 13 PhD programs in various disciplines. During the period under review a number of PG programs were submitted to HEC for NOC. Amongst these, 16 programs after approval from HEC have been launched during the said period.

To recognize and honour the academic achievements of graduating students Bahria University regularly holds its convocation ceremonies. In the year 2017-18, Bahria University Islamabad held its 18th and 19th Convocation. The chief of Naval Staff Admiral Mahmood Abbasi NI (M) and Mr. Sardar Masood Khan president of

AJK chaired the convocations as chief guests respectively. The Fifth Convocation of Medical students and 2nd convocation of dental students held in this 2018. Similarly, Bahria University Karachi Campus held its 14th Convocation in 2017. Dr. Atta Ur Rehman, Former Chairman of HEC and Federal Minister for Science and Technology graced the ceremony as the Chief Guest.

Students of Bahria University enjoy latest facilities at the libraries of Bahria University, including self-scanning, D-Space theses repository and digital library. A dedicated Corner has been established at BUIC library to commemorate our Great National poet Dr. Allama Muhammad Iqbal. Get the chance to see the unique books made available for you to pay tribute to our National Poet. Research and Development (R&D) activities serve as the backbone of a nation's economy. A Technology Innovation Support Centre (TISC) has been established at BUHO in 2017 under the functional & administrative control of Office of Research, Innovation & Commercialization (ORIC). Business Incubation Centers at Bahria University Islamabad and Karachi Campuses have been established on self-help basis by the management of BU.

Currently there are two QA mechanisms functioning in Bahria University against which programs of BU are assessed for Internal Reviews, HEC Reviews and Accreditation bodies visit etc. QEC by scoring 93.04% marks in 11th Assessment announced by Quality Assurance Agency

(QAA) of HEC in December 2017 showed the commitment of QEC in promoting quality culture and establishing quality processes at BU. QEC has been continuously rated in the Top category of 'W' for last five years. Bahria University's Directorate of Quality Assurance is a member of various International Quality Networks. As a capacity building exercise for the faculty, Quality Assurance Directorate conducted various training sessions in the year 2017-18. Director QA, Fazal Wahab was the resource person of the training. The session was attended by QACs of all respective departments of BU Islamabad Campus.

Changing dynamics of higher education requires educational institutes to build alliances with international universities to expand resources and pool of information available to students, faculty and other stakeholders. The academic professional relationships bring a wide range of educational benefits, such as credit transfers, student/faculty exchange programmes and joint research projects.

Bahria University (BU) places strong emphasis on the development of its faculty. BU has established the Directorate for training and development titled Leadership Development Center (LDC). With Faculty Development Academy (FDA), Professional Development Center (PDC) and Student Grooming Program, LDC is playing a pivotal role in capacity building.

Bahria University since its inception, has tried its utmost to make quality education accessible to all students in Pakistan. Every year, the university allocates funds from its own resources in its budget exclusively for awarding scholarship. In FY 2017-18, an amount of Rs. 56.10 Million including HEC Need based budget has been disbursed among eligible and deserving students. During FY 2017-18 an amount of Rs. 6.02 Million distributed. At Bahria University, we not only embrace evolution but also seek to accelerate it as a catalyst to a better economy. With its research portal and innovative activities Bahria is contributing in building up country's economy.

Bahria University is dedicated to promote community, civic engagement, and service-learning amongst the youth to make them socially responsible citizens in the society. Keeping in view the importance of community service, and as per university's CSP policy, the students are being encouraged to work for NGO's- Government/ Semi Government agencies/International Organizations.

The role of healthy activities is pertinent in overall performance of an individual. Bahria University provides ample opportunities to students to participate in different sports events. Bahria University has actively participated in inter-university sports galas and HEC based sports competitions. The performance of Bahrians is laudable all around and resulted in many honors for the University.

Bahria University yearly convenes BOG meetings to deliberate growth of academic areas, new infrastructure, budget, financial audits. Chairman BOG appreciated the formation of Trust Fund and progress on academic standards in the university in time with its vision and mission. Admiral Zafar Mahmood Abbasi NI (M) and members of the Board of Governors expressed vote of thanks to the outgoing Rector Vice Admiral (R) Tanveer Faiz HI (M) and applauded his personal contributions as well as leadership in making significant progress in all dimensions.

Bahria University is one of the prominent institutions where students, officers, staff and faculty receive the medical / emergency first aid services and counseling support services. Currently Jubilee General Insurance Company (JGI) is providing Health insurance coverage to BU Employees and their dependents. Jubilee insurance company mobile application can be loaded from Play store.

In the present scenario of country, the psychological problems are rising with the time and traumatic events and experiences of individuals are increasing with the severe frequency, the intensity of psychological trauma is rising. To consider dire condition Bahria University has proudly initiated the Student Support and Trauma Center.

As for allocation of resources Bahria University has allocated a lot of resources for its market-based, competitive initiatives that allows the university to develop new programmes, spend on development of new infrastructure to sustain these initiatives with continuous provision of resources.

I believe Bahria University will keep on playing its part in training our students and professional to make them into human capital to play a significant role in the development of the country.

**FAZAL WAHAB**  
Director Quality Assurance





## VISION

“To become an internationally recognized university that contributes towards the development of nation through excellence in Education and Research.”





## MISSION

"To remain committed to the attainment of highest standards in teaching, learning and research, at par with the international standards."



# Strategic Goals

## Excellence In Education

The aim is to offer students a transformational educational experience, encompassing both the academic and the co-curricular activities, which provides them with the opportunity to fulfill their potential as successful professionals in life.

## Excellence in Research

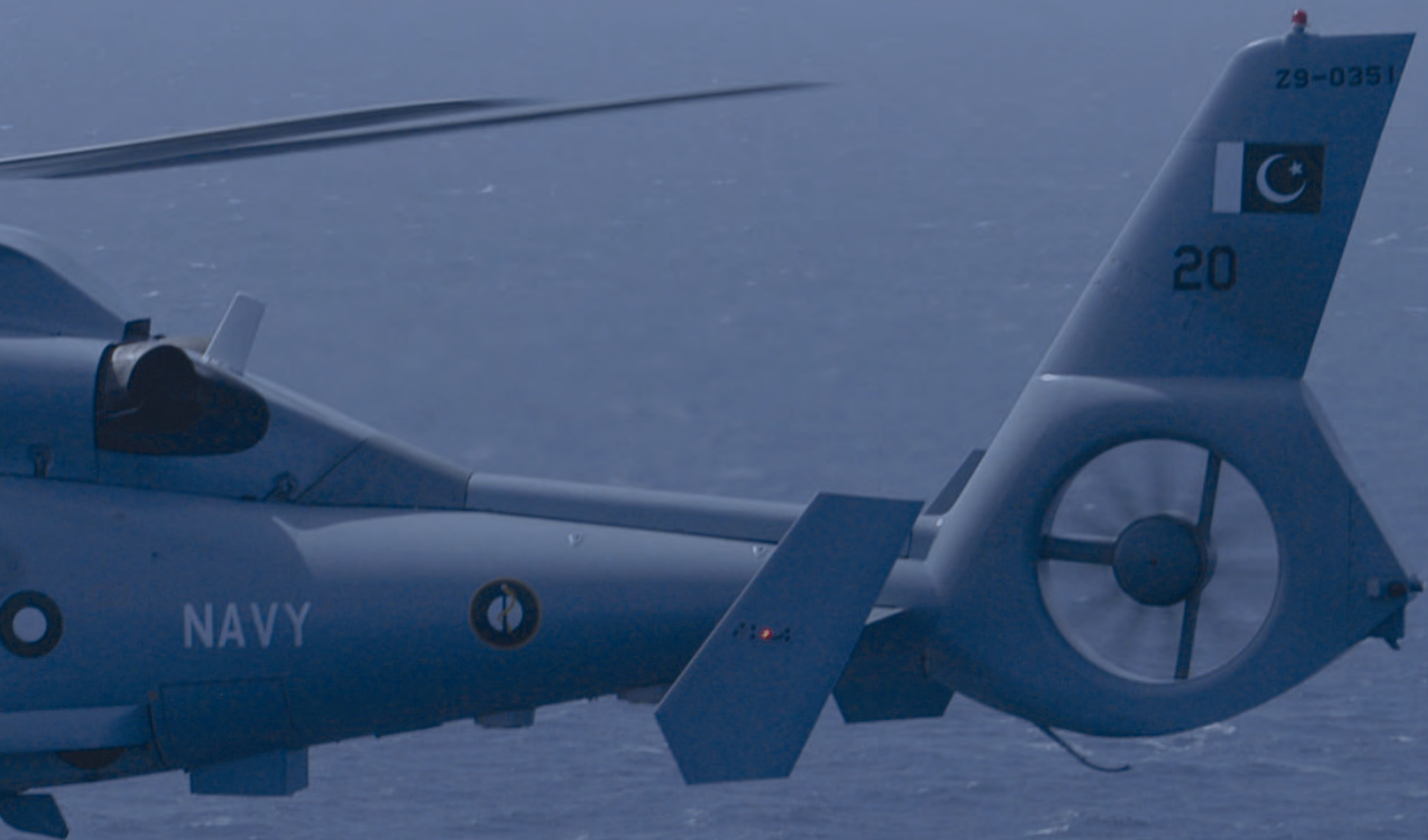
The aim is to develop and sustain an environment where research is viewed and practiced as a primary function that will subsequently contribute towards the vitalization of teaching, by discovery of new knowledge, and improving people's life in our country and abroad.

## Excellence in Global Reach

The aim is to thrive for a global presence by equipping students, staff and faculty with the global knowledge and expertise to become a world renowned university.

# Engaging With Business/Industry

The aim is to maximize the impact of our excellence in education and research by engaging effectively with business/ industry in a way that benefits staff, students, faculty and alumni to provide sustainable growth in our income from government and non-government sources.



## Excellence in Social Integration

The aim is to commit our self towards development of our local communities, and foster an environment where the staff, students and faculty see themselves as part of the larger, global community.

## Improving & Ensuring The University's Financial Security

The aim is to enhance existing income streams and develop diversified means of income generation for the financial sustainability of the university.



# Bahria University

Bahria University is a Federally Chartered Public Sector University which was established on 7th February 2000 through a Presidential Ordinance. It is a multi-campus institution of higher education, which is committed to attain the highest standards in teaching, learning and research, compatible with global requirements of practicing different professions. The University is widely recognized for preparing professionals, to assume roles as future leaders and to become good executives/ managers through development of their physical, mental, moral and professional competence. The enrollment of students has crossed 15,000 in the campuses located in Islamabad, Karachi and Lahore.







## Islamabad Campus

Bahria University Islamabad Campus (BUIC) is one of the most renowned institutions of higher education in Islamabad. Hosting over 7,000 students, this campus provides access to higher education for promising students. Our vibrant Campus in the heart of the city serves a rapidly-growing number of rural students from the immediate area and surrounding provinces. The

changes taking place at the university continue to capture the imagination of people everywhere, including the international media, and our growing base of international universities. Inspiring excellence.

Transforming lives. These objectives are the driving forces at the heart of BUIC. Through our Projects, we are a university internationally recognized for human reconciliation and compassion as well as for excellence in academic achievement.



## Lahore Campus

Bahria University Lahore Campus (BULC) is a student-centered, globally-engaged public university committed to providing highly-valued undergraduate and graduate educational opportunities through superior teaching, research, creative activity and service for the people of Pakistan and the world. BULC is committed to being an outstanding teaching-intensive, research-driven university that emphasizes student engagement, scholarly and creative achievement, civic participation, and global perspectives. The Campus is widely recognized for its high quality of services, activities and programs for students. It has strong partnerships with faculty, staff, student and community groups so that we may serve as primary advocates to meet the needs of our diverse student population. The core values of the institution includes Educational Opportunity, Excellence, Diversity integrity and service.





## Karachi Campus

Bahria University Karachi Campus (BUKC) was founded with a purpose: to create economic, societal and intellectual prosperity for the people of Karachi and the country. We began as an institution teaching wide range of subjects including Management Sciences, Computer Sciences, Software Engineering, Computer Engineering, Electrical Engineering and Media Studies. The

Karachi campus has students, faculty and staff take problems in hand and work with industry, and government to solve them. Our high-performing students apply what they learn in the real world by conducting research, working in internships and co-ops, and performing acts of world-changing service. That experiential education ensures they leave here ready to lead the workforce, content in the knowledge that Bahria University consistently rates as one of the best values in higher education.

## Medical and Dental College

The Bahria University Medical and Dental College (BUMDC) was established in 2008 with the induction of experienced and highly qualified faculty. The state-of-the-art 7-storey building houses 5 lecture halls each with a capacity of 150 seats and a beautiful auditorium with a seating capacity of 500. There are fully equipped laboratories, museums, dedicated teaching rooms for group teaching and a skills laboratory. BUMDC strictly follows the curriculum specified by the Pakistan Medical and Dental Council.







## Institute of Professional Psychology – IPP Karachi

The Institute of Professional Psychology (IPP) at Bahria University functions as an educational setup focusing on career development of its students. Students and faculty members alike are

actively involved in community work with a dual purpose – that of serving the community and of meeting experiential requirements for various courses. The clinical outpatient department at PNS Shifa provides assessment and a number of different therapeutic plans that are tailored to suit the individual's needs. In addition to clinical practice, the Institute is also actively involved in providing assessment and counseling services to various multinational concerns. Different projects have been initiated for community welfare in collaboration with an NGO to provide counseling services to jail inmates.



## National Centre for Maritime Policy Research

National Centre for Maritime Policy Research (NCMPR) had been set up at the Bahria University, Karachi Campus with a view to encourage research in maritime matters. NCMPR has accordingly developed linkages with various international universities and maritime research institutes. It has also hosted a number of international seminars, conferences and workshops, highlighting various aspects of the maritime domain









# Chapter 1

## Academic Activities



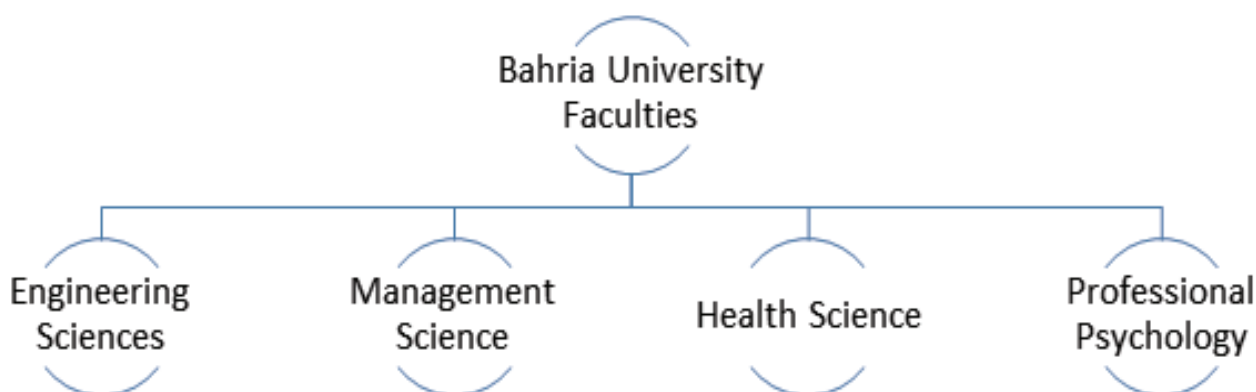




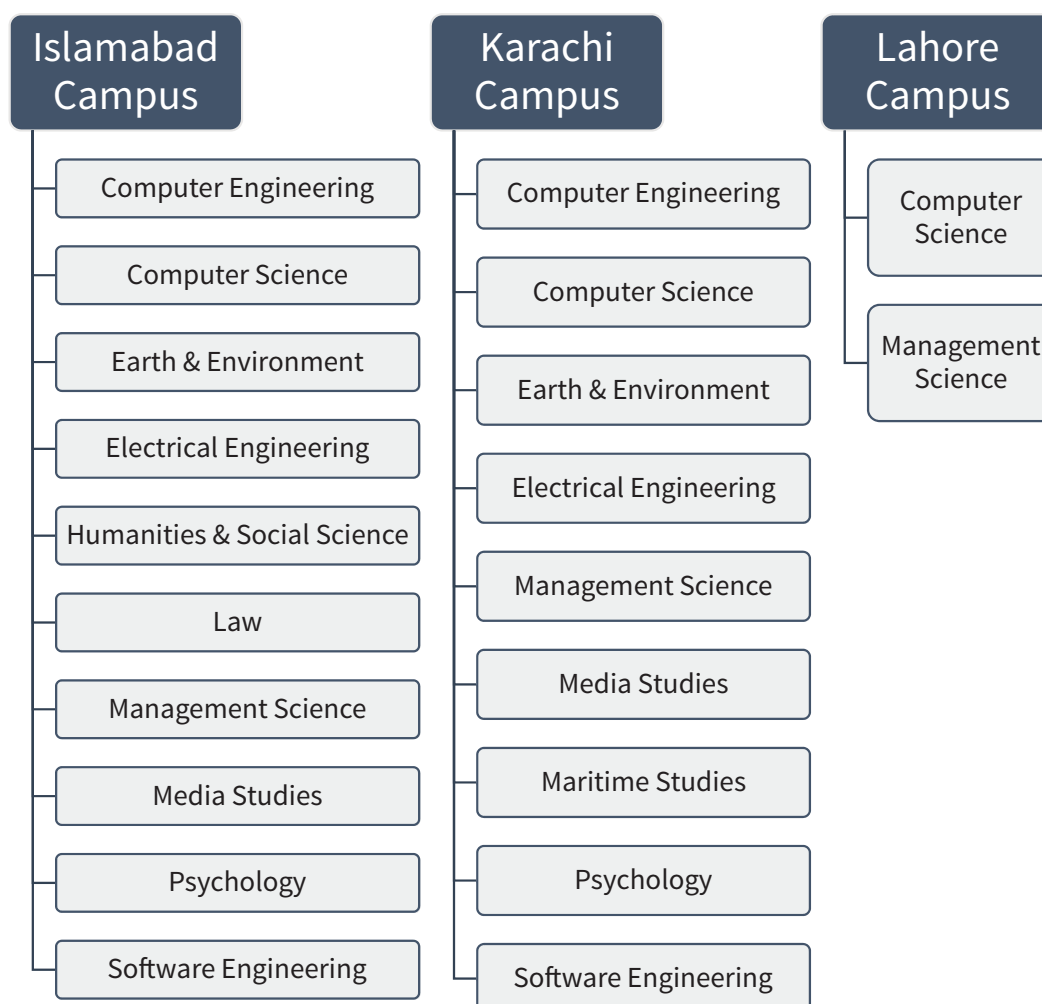
# Academic Activities

## Academic

Bahria University offers a wide range of academic programs at undergraduate, graduate and post graduate level. The programs are being offered by the academic departments under four major faculties:



The following illustration shows the range of academic departments at three campuses of Bahria University:

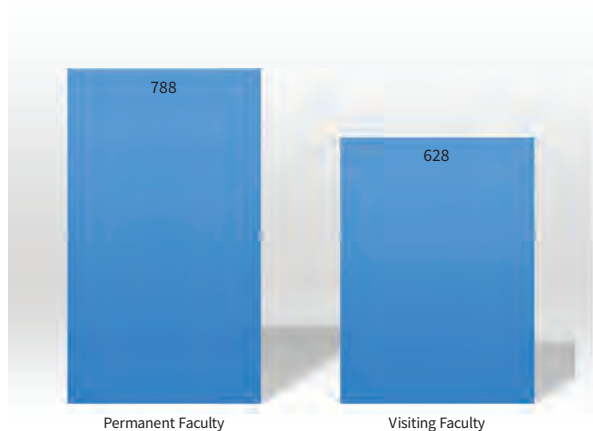


## Faculty

The following tables and graphs show permanent and visiting faculty members in Bahria University, progressive increase in the strength of permanent and PhD Faculty Members in last five years:

Total Faculty Strength	
Permanent Faculty	788
Visiting Faculty	628
<b>Total</b>	<b>1616</b>

Bahria university faculty 2017-18



PhD Faculty- Year Wise	
2014	67
2015	78
2016	88
2017	95
2018	135

PhD Faculty Last Five Years



Permanent Faculty Strength-Year Wise	
2014	516
2015	600
2016	632
2017	679
2018	788

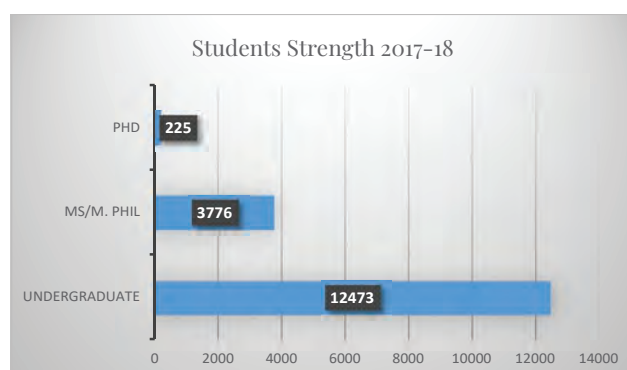
Permanent Faculty Last Five Years



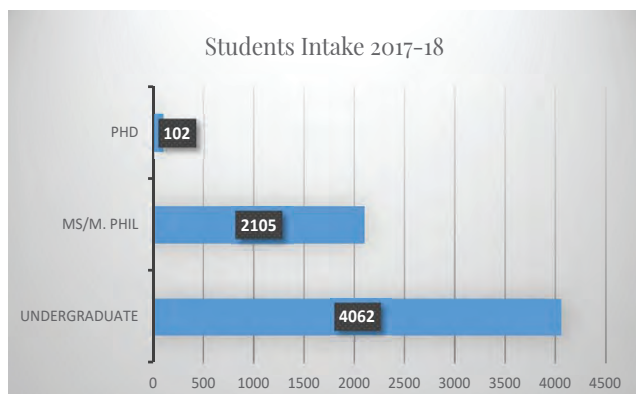
## Students

The following tables and graphs present the significant information regarding total students strength, students intake and graduated students (campus wise) of Bahria University in 2017-18 at undergraduate, graduate and post graduate level.

Category	Present
Undergraduate	12473
MS/M. Phil	3776
PhD	225



Category	Present
Undergraduate	4062
MS/M. Phil	2105
PhD	102

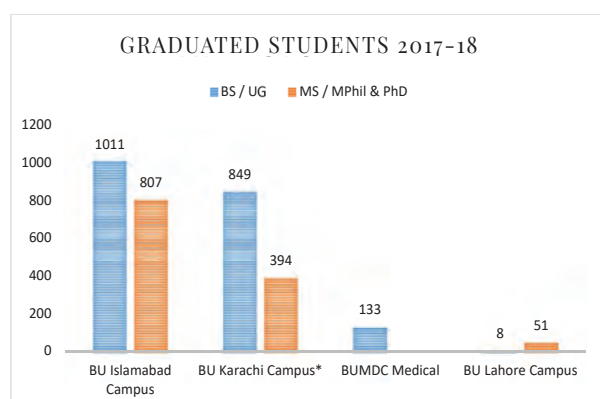


## Total MS/MPhil & PhD Programs at All BU Campuses

S No.	Campus	PhD Programs	MS/MPhil Programs
1	BUIC	12	24
2	BUKC	6	13
3	BULC	1	2
4	IPP	1	2
5	BUM&DC	-	3

### Graduating Students 2017-18

Campus	BS / UG	MS / MPhil & PhD
BU Islamabad Campus	1011	807
BU Karachi Campus†	849	394
BU Medical & Dental College ††	133	0
BU Lahore Campus	8	51
Total	2001	1252



† BUKC, IPP & IMA

†† Medical & Dental

At present Bahria University is running **28** MS/MPhil & **13** PhD programs in various disciplines. These programs meet all the HEC requirements w.r.t updated curriculum, relevant PhD faculty members, appropriate student-faculty ratio, availability of significant number of relevant books and research journals etc. The summary of these programs is mentioned below.

During the period under review a number of PG programs were submitted to HEC for NOC. Amongst these, **16** programs after approval from HEC have been launched during the said period. Detail of all these Post Graduate programs is as under:

### PG Programs launched during 2017-18

S. No	Programs	Departments	Campuses
1	PhD (Mathematics)	CS	BUIC
2	PhD (Software Engineering)	SE	BUKC
3	PhD (Media Studies)	Media	BUIC
4	PhD (Law)	LAW	BUIC
5	PhD (ES)	E&ES	BUIC
6	MPhil (Anatomy)	Medical	BUMDC
7	MPhil (Pathology)	Medical	BUMDC
8	MPhil (Pharmacology)	Medical	BUMDC
9	MS (Media Studies)	Media	BUKC
10	MS (Mathematics)	CS	BUKC
11	MS (Islamic Banking & Finance)	Management	BUIC
12	MS (Media Studies)	H&SS	BUIC
13	MS (Information Security)	CS	BUIC
14	MS (Marketing & Sales)	Management	BUIC
15	MS (Management Sciences)	MS	BUIC/BUKC
16	MS (Mathematics)	CS	BUIC



In addition, following PhD scholars have graduated during 2017-18 from BU.

PHD PRODUCED BY BAHRIA UNIVERSITY				
2017 - 2018				
S. No	Name	Year	Programs	Campus
1	ATIF BILAL	2017	Management Sciences	BUIC
2	MALIK MAMOON MUNIR	2017	Management Sciences	BUIC
3	ADNAN SHOAIB	2018	Management Sciences	BUIC
4	FARRUKH IDREES	2018	Management Sciences	BUIC
5	ASIF SHEHZAD	2018	Management Sciences	BUIC
6	HUMA AYUB	2018	Management Sciences	BUIC
7	NADIA ZAFAR BAKHTAWARI	2018	Management Sciences	BUIC
8	FARYAL RAZZAQ	2018	Management Sciences	BUIC

## 5th MBBS & 2nd BDS CONVOCATION 2017-18

The Fifth Convocation of Medical students and 2<sup>nd</sup> convocation of dental students at Bahria University Medical & Dental College, Karachi was held 7<sup>TH</sup> April 2018 to commemorate the academic accomplishments of its Medical and dental students.

The Ceremony was hosted by Dr. Raima Bashir & Dr. Fatima Zehra. Mulana Fazal-e-Rabi started the ceremony by recitation of Holy Quran.

Admiral Zafar Mahmood Abbasi NI (M) Chief of Naval Staff and Pro-Chancellor Bahria University graced the occasion as Chief Guest. Honorable Rector Bahria University, Vice Admiral (Retd) Muhammad Shafiq HI (M), Director General, Rear Admiral Imtiaz Ahmad HI (M), Registrar of Bahria University, Dean & Principal and Vice-Principal of the Medical College, Prof. Dr. Asadullah Khan and Dr. Ambreen Usmani, Principal & Vice-Principal of Dental College, Prof. Dr. Wahab Kadri and Dr. Kulsoom Fatima Rizvi, along with Senior Naval officers, Faculty members, Parents and Graduate students, attended the ceremony.

Registrar cdre (R) M.Hisham SI(M) , Bahria University welcomed the audience and requested Chief Guest and Pro-Chancellor Admiral Zafar Mahmood Abbasi NI (M) to open proceeding of Convocation.

Honorable Rector Bahria University, Vice Admiral (Retd) Muhammad Shafiq HI (M), congratulated

graduates on their commitment, hard work and success in achieving this milestone. He also advised the graduates to be men and women of sterling character, have a positive attitude towards service of humanity, with compassion for people irrespective of their religion, social standing and ethnicity.

Dean & Principal of BUMDC, Prof. Dr. Asadullah Khan took the oath from BDS and MBBS graduates. After the oath taking ceremony, Rector Bahria University, Vice Admiral (Retd) Muhammad Shafiq HI (M), accompanied by Director General Rear Admiral Imtiaz Ahmad HI (M) awarded degrees to BDS and MBBS graduates. Whereas, honorable Chief Guest Admiral Zafar Mahmood Abbasi NI (M) Chief of Naval Staff and Pro-Chancellor BU awarded degrees, certificates of merit and medals to the position holders.

Among the MBBS graduates, Certificates of Merit was awarded to Zoomar Muzammil in the subject of Anatomy, Biochemistry and Physiology, Maryam Shahwani in the subject of Biochemistry, Sana Arshad in the subject of Forensic Medicine, Daniya Muhammad Haroon in the subject of Otorhinolaryngology (ENT), Hafsa Ishaque Khan in the subject of Obstetrics & Gynecology, Aisha in the subject of Paediatrics.

Therefore, Maheen Aslam MBBS graduate was awarded with Gold medal and earned certificate of merit in thirteen subjects in Medicine. Midhat Khan was awarded with Silver medal and earned certificate of merit in seven subjects in Medicine.

# BAHRIA UNIVERSITY MEDICAL & DENTAL COLLEGE 5TH CONVOCATION - 2018



Among the BDS graduates, Certificates of Merit was awarded to Rida Zulfiqar in the subject of General Medicine, Hafsa Saeed in the subject of General Surgery & Oral Maxillofacial Surgery, and Mariah Ali in the subject of Periodontology/Oral Medicine.

Arooj Salauddin Khilji, BDS graduate was awarded with Gold medal and earned certificate of merit in eleven subjects in dentistry. Bibi Hafsa, BDS graduate was awarded with Silver medal and earned certificate of merit in eight subjects in dentistry.

After the distribution of degrees and certificate of merit, Honorable Rector BU, Vice Admiral (Retd) Muhammad Shafiq HI (M), presented a souvenir as a token of gratitude to Admiral Zafar Mahmood Abbasi NI (M) Chief of Naval Staff and Pro-Chancellor BU for commemorating the occasion with his presence.

Chief Guest, Admiral Zafar Mahmood Abbasi NI

(M) Chief of Naval Staff and Pro-Chancellor Bahria University addressed the audience; he congratulated faculty, parents and students on graduating and wished them good luck to start of their professional career with honesty, sincerity and dedication. He emphasized to serve the humanity in the best possible manner in the light of Islamic Sunnah and Shariyat.

The Registrar, Bahria University thus requested Chief Guest and Pro-Chancellor Admiral Zafar Mahmood Abbasi NI (M) to close proceeding of Convocation.

Thereby, the ceremony ended with photo session of MBBS and BDS graduates with honorable Chief Guest, Rector, Director General and Principal, Vice Principal of Dental and Medical College of Bahria University.

The faculty and parents proceeded towards refreshments, followed by sign-out ceremony of MBBS and BDS graduates with their parents.



Group Photo with Pro-chancellor the Chief of Naval Staff , Rector, Registrar, Director Health Sciences, DG, Principal (Medical Section ) Principal (Dental Section ),Vice Principal (Medical Section ) Vice Principal (Dental Section ) on 5th Convocation 2018





## 14<sup>th</sup> CONVOCATION OF KARACHI CAMPUS

14th Convocation of Bahria University Karachi Campus was held on Sunday, 3rd December 2017 at Conventional Hall Maritime Mesuem, Karsaz Karachi. Dr. Atta Ur Rehman, Former Chairman of HEC and Federal Minister for Science and Technology graced the ceremony as the Chief Guest and conferred degrees to the graduating students of PhD, Postgraduate and Undergraduate programs.

Total 905 degrees were awarded to the Undergraduate and Graduate students of Management Sciences, Professional Psychology, Computer Sciences, Humanities & Social Sciences, Electrical Engineering, Software Engineering, Earth & Environmental Sciences and Media Studies Departments.

Chief Guest also awarded 37 Gold Medals and 27 Silver Medals to various students who qualified with distinction in their respective programs.



## List for Award of Medals - 14th Convocation of Karachi Campus

S.No.	Name	Degree	Medal Awarded
1	Kajal Parkash	FALL 2012 BBA	Gold
2	Anum Afzal Khan	FALL 2012 BBA	Silver
3	Syed Waqas Hussain Shah	FALL 2012 BEE	Gold
4	M Saad Qadeer	FALL 2012 BEE	Silver
5	Muhammad Faisal	FALL 2012 BSE	Gold
6	Faizan Khan	FALL 2012 BSE	Silver
7	Sobia Noreen Bajwa	FALL 2012 BS(CS)	Gold
8	Iqra Ubaid	FALL 2012 BS(CS)	Silver
9	Koonj Altaf	FALL 2012 (BSS)	Gold
10	Afshan Zahra	FALL 2012 BSS)	Silver
11	Aisha Arshad	FALL 2012 BSS)	Silver
12	Amna Jawaid	SPRING 2013 BBA	Gold
13	Noor-Ul-Ain Saeed	SPRING 2013 BBA	Silver
14	Rubbiya Quddus	SPRING 2013 BSS	Gold
15	Zainab Benazir	SPRING 2013 BSS	Silver
16	Rabia Bahaduridin	SPRING 2013 MBA 3.5 Years	Gold
17	Momal Ikram	SPRING 2013 MBA 3.5 Years	Silver
18	Ainsia Shabbir	SPRING 2013 BS(CS)	Gold
19	Kashifa Sajjad	SPRING 2013 BS(CS)	Silver
20	Osama Bin Raees	SPRING 2013 BS (Geophysics)	Gold
21	Muhammad Mansoor	SPRING 2013 MBA 3.5 Years (Trimester)	Gold
22	Nida Feroze	FALL 2013 MBA 3.5 Years	Gold
23	Muzna Zahid	FALL 2013 MBA 3.5 Years	Silver
24	Devya	FALL 2013 MBA 3.5 Years (Trimester)	Gold
25	Anum Baig	FALL 2013 MBA 3.5 Years (Trimester)	Silver
26	Rida Akhtar	SUMMER 2014 MBA 2 Years (Trimester)	Gold
27	Munaza Bibi	SUMMER 2014 MBA (HM) 2 Years	Gold
28	Sehrish Javaid	FALL 2014 MBA 2 Years	Gold
29	Fahad Saleem	FALL 2014 MBA 2 Years (Trimester)	Gold
30	Ammarah Khalid	FALL 2014 MS (SE) 2 Years	Gold



31	Ahsan Ali Siddiqui	FALL 2014 MS (SE) 2 Years	Silver
32	Jawad Zubair	FALL 2014 MS (EE) 2 Years	Gold
33	Ahsan Rashid Khan	FALL 2014 MS (EE) 2 Years	Silver
34	Ushna Asif	FALL 2014 MS(CS) 2 Years	Gold
35	Tooba Mehtab	FALL 2014 MS(CS) 2 Years	Silver
36	Erum Sana	FALL 2014 MS (Geophysics) 2 Years	Gold
37	Fahim Muhammad Khan	SPRING 2015 MS(PM)1.5 Years	Gold
38	S. Imran Shamim Ahmed	SPRING 2015 MS(PM)1.5 Years	Silver
39	Sadia	SPRING 2015 MBA 2 Years	Gold
40	Rabia Ahmad	SPRING 2015 MBA 2 Years	Silver
41	Hira Haider	SPRING 2015 MBA 1.5 Years	Gold
42	Yamna Mukry	SPRING 2015 MBA 1.5 Years	Silver
43	Yusra Hussain	SPRING 2015 MBA 1.5 Years (Trimester)	Gold
44	Gohar Abbas	SPRING 2015 MBA 1.5 Years (Trimester)	Silver
45	Sabeen Akhtar	SPRING 2015 MS (T&N) 2 Years	Gold
46	Hassaan Mirza	SPRING 2015 MS (T&N) 2 Years	Silver
47	Saima Aman	SPRING 2015 MS (EE) 2 Years	Gold
48	Sadia Aziz	SPRING 2015 MS (CS) 2 Years	Gold
49	Muhammad Faizan Tahir	SPRING 2015 MS (CS) 2 Years	Silver
50	Muhammad Tasaen	SPRING 2015 MS (ES) 2 Years	Gold
51	Ayman Moten	SUMMER 2015 MBA 1.5 Years (Trimester)	Gold
52	Muhammad Asif	SUMMER 2015 MBA 1.5 Years (Trimester)	Silver
53	Taronish Bamji	FALL 2015 MS (PM) 1.5 Years	Gold
54	Salman Ahmed Khan	FALL 2015 MS (PM) 1.5 Years	Silver
55	Saba	FALL 2015 MBA 1.5 Years	Gold
56	Dawood George	FALL 2015 MBA 1.5 Years	Silver
57	Rabel Persomal	FALL 2015 MBA 1.5 Years (Trimester)	Gold
58	Sidra Akhter	FALL 2015 MBA 1.5 Years (Trimester)	Silver
59	Shahroze Suzuki	FALL 2012 BS Psychology 4 Years	Gold
60	Duaa Dehraj	FALL 2012 BS Psychology 4 Years	Silver
61	Hira Ajaz	SPRING 2013 BS Psychology 4 Years	Gold
62	Rida Asif	SPRING 2013 BS Psychology 4 Years	Silver
63	Bushra Tauseef	FALL 2014 M. Phil Psychology 2 Years	Gold
64	Rimsha Tanveer	FALL 2014 MS (CP) 2 Years	Gold
65	Mahnoor Shaikh	FALL 2014 MS (CP) 2 Years	Silver



## 18<sup>th</sup> CONVOCATION OF ISLAMABAD CAMPUS

The 18th convocation of Bahria University Islamabad Campus held here Saturday to award degrees to the students of undergraduate and graduate programmes of various disciplines. Chief of Naval Staff, Admiral Zafar Mahmood Abbasi was the chief guest of the ceremony and conferred degrees on the graduating students of Ph.D, Masters and Undergraduate programs, said a press release issued here. In total 476 degrees were awarded to the Undergraduate and Graduate students of Management Sciences, Humanities & Social Sciences, Computer Sciences, Law, Earth & Environmental Sciences, Electrical Engineering and Software Engineering Departments. Admiral Zafar Mahmood Abbasi awarded 17 Gold and 12 Silver medals to various students who achieved top positions in their respective programs.

Nabeela Abid, Marium Fayyaz, Muhammad Zarrar Saeed, Alina Hayder, Zoya Abbas Zaidi, Zainab Balqees, Ayesha Mahsud, Asif Ali, Kashmala Shahid, Maimoona Junaid, Shayan Hyder, Atif Azhar, Muhammad Waqas, Ansar-ul-Haq, Talbia Jamil, Muhammad Raees, Hamza Iqbal received the gold medals in their respective disciplines.

Addressing on the occasion, Admiral Zafar Mahmood Abbasi congratulated the graduating students on their splendid success and lauded Bahria University Islamabad Campus for providing exceptional knowledge skills to the graduated students in their respective disciplines enabling them to lead a professionally rewarding life. He appreciated the role of Bahria University for contributing in strengthening human resource of the country. While addressing the students he said, "You are about to embark on your own extraordinary journeys and shape your own adventures. Your hard work has paid off. Those pressured times of examinations are



now all behind you. The real work however has on just begun. I am confident that Bahria University has equipped you to deal with these challenges". He appreciated the efforts of the university management for emphasizing on skills development of the students that will make Bahria University an attractive institution for teaching and learning. He encouraged the graduating students by advising them to be original, creative and to follow their passion and dreams; urging the academia to contribute something of value to the society. Earlier, in his welcome address Rector Bahria University Vice Admiral (R) Tanveer Faiz expressed his gratitude to Admiral Zafar Mahmood Abbasi, for his presence in the convocation. He further added that we at Bahria University have done our best to equip our students with

necessary institutional tools, fundamental principles of conducting scholastic enquiry, training for communication and interpersonal skills and above all the guidance to conduct well in life. He acknowledged particularly the role of HEC, Punjab Government and other organizations for sponsoring number of scholarships for Students of Bahria University as they are helping to provide an opportunity to students coming from low income background to pursue quality education. In the end, Rector Bahria University congratulated the students and their parents, wishing them a prosperous future and also appreciated the students winning medals in recognition of their outstanding performance.



## List of Medals awarded - 18<sup>th</sup> Convocation of Islamabad Campus

S.No	Name	Program	Medal Awarded
1	Nabeela Abid	Spring Semester 2013 BBA	GOLD
2	Maham Fatima	Spring Semester 2013 BBA	SILVER
3	Marium Fayyaz	Spring Semester 2013 BS (CS)	GOLD
4	Muhammad Fahad Minhas	Spring Semester 2013 BS (CS)	SILVER

5	Muhammad Zarrar Saeed	Spring Semester 2013 BSS	GOLD
6	Misaal Shahzad	Spring Semester 2013 BSS	SILVER
7	Alina Hayder	Spring Semester 2013 BS (Geophysics)	GOLD
8	Zoya Abbas Zaidi	Spring Semester 2013 BS (Geology)	GOLD
9	Zainab Balqees	Spring Semester 2013 BS (ES)	GOLD
10	Ayesha Mahsud	Spring Semester 2012 LLB	GOLD
11	Sarmad Faraz Abbasi	Spring Semester 2012 LLB	SILVER
12	Asif Ali	Fall Semester 2013 MBA (3.5 Year)	GOLD
13	Ghulam Qadir Awan	Fall Semester 2013 MBA (3.5 Year)	SILVER
14	Kashmala Shahid	Spring Semester 2015 MBA (2 Year)	GOLD
15	Muhammad Abdul Quddus	Spring Semester 2015 MBA (2 Year)	SILVER
16	Maimoona Junaid	Fall Semester 2015 MBA (1.5 Year)	GOLD
17	Mishal Tahir	Fall Semester 2015 MBA (1.5 Year)	SILVER
18	Shayan Hyder	Fall Semester 2015 MS (PM) (1.5 Year)	GOLD
19	Mehak Ali	Fall Semester 2015 MS (PM) (1.5 Year)	SILVER
20	Atif Azhar	Fall Semester 2015 MS (Finance) (1.5 Year)	GOLD
21	Muhammad Waqas	Fall Semester 2015 MS (SCM) (1.5 Year)	GOLD
22	Omar Bin Najeeb	Fall Semester 2015 MS (SCM) (1.5 Year)	SILVER
23	Ansar-Ul-Haq	Spring Semester 2015 MS (EE) (02 Year)	GOLD
24	Zabeeh Ullah	Spring Semester 2015 MS (EE) (02 Year)	SILVER
25	Talbia Jamil	Spring Semester 2015 MS (CS) (02 Year)	GOLD
26	Muhammad Raees	Spring Semester 2015 MS (SE) (02 Year)	GOLD
27	Sumaira Shafiq	Spring Semester 2015 MS (SE) (02 Year)	SILVER
28	Hamza Iqbal	Spring Semester 2015 MS (T&N) (02 Year)	GOLD
29	Muhammad Sajeel	Spring Semester 2015 MS (T&N) (02 Year)	SILVER





Bahria University Islamabad Campus held its 19th Convocation on 28th April 2018 at Jinnah Convention Center Islamabad. Mr. Sardar Masood Khan, President of Azad State of Jammu & Kashmir graced the occasion as Chief Guest. Rector Bahria University conferred upon the degrees on the graduating students of Ph.D, MPhil, Masters and Undergraduate programs.

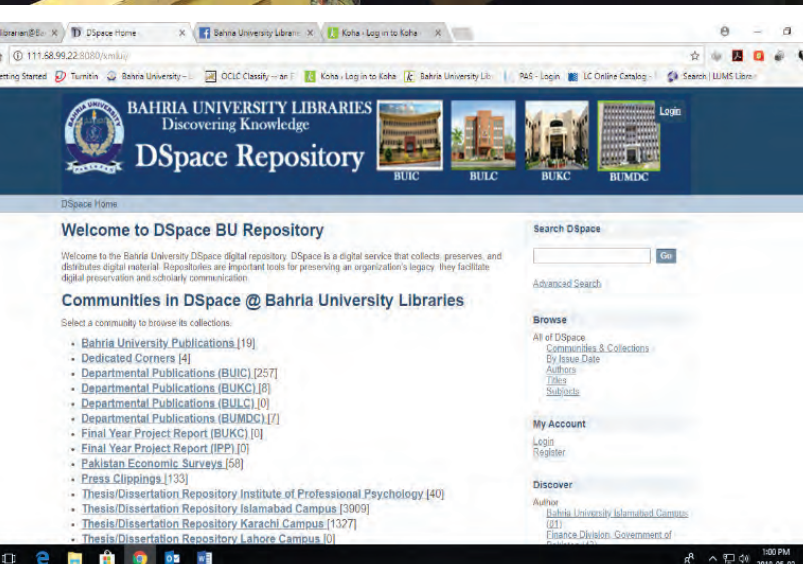
In total 839 degrees were conferred to the Undergraduate and Graduate students of Management Sciences, Humanities & Social Sciences, Computer Sciences, Law, Earth & Environmental Sciences, Electrical Engineering and Software Engineering Departments. Mr. Sardar Masood Khan awarded 23 Gold and 20 Silver medals, degrees and certificates to various students who achieved top positions in their respective programs. Before award of medals, degrees to other undergraduate students were awarded DG Campus Bahria University and to MPhil, MS and MBA students by Rector Bahria University.



S.No.	Name	Program	Medal Awarded
1	Noor Mehal Kamal	Fall Semester 2013 BBA	GOLD
2	Mohammad Ali Bin Rashid	Fall Semester 2013 BBA	SILVER
3	Muhammad Bilal Arshad	Fall Semester 2013 BS (CS)	GOLD
4	Rana Muhammad Usman Nasir	Fall Semester 2013 BS (CS)	SILVER
5	Sadia Irfan	Fall Semester 2013 BSS	GOLD
6	Eman Illahi	Fall Semester 2013 BSS	SILVER
7	Muhammad Nauman	Fall Semester 2013 BEE	GOLD
8	Yasal Imran Waheed	Fall Semester 2013 BEE	SILVER
9	Sadain Iqar	Fall Semester 2013 BSE	GOLD
10	Muhammad Adeel Nawaz	Fall Semester 2013 BSE	SILVER
11	Muhammad Haseeb Aslam	Fall Semester 2013 BCE	GOLD
12	Zara Asghar Chaudhary	Fall Semester 2013 BCE	SILVER
13	Sana Khan	Fall Semester 2013 BS (ES)	GOLD
14	Ahmad Zubair	Fall Semester 2013 BS (Geology)	GOLD
15	Adnan Amin	Fall Semester 2013 BS (Geology)	SILVER
16	Saad Ali Sajid	Fall Semester 2013 BS (Geophysics)	GOLD
17	Sharjeel Sharif	Fall Semester 2013 BS (Geophysics)	SILVER
18	Sana Taha Gondal	Fall Semester 2012 LLB	GOLD
19	Salvat Kainat Tatari	Fall Semester 2012 LLB	SILVER
20	Adeel Ahmad	Spring Semester 2014 MBA (3.5 years)	GOLD
21	Abdullah Ishtiaq	Fall Semester 2015 MBA (02 Years)	GOLD
22	Sidra Babar Khan	Fall Semester 2015 MBA (02 Years)	SILVER
23	Alina Aizaz Khan	Spring Semester 2016 MBA (1.5 Years)	GOLD
24	Rafia Malik	Spring Semester 2016 MBA (1.5 Years)	SILVER
25	Salman Arif	Spring Semester 2016 MS (PM)	GOLD
26	Mahzaib Ali	Spring Semester 2016 MS (PM)	SILVER
27	Salma Azad Satti	Spring Semester 2016 MS (Finance)	GOLD
28	Zahid Jumah	Spring Semester 2016 MS (Finance)	SILVER
29	Hamza Ejaz	Spring Semester 2016 MS (SCM)	GOLD
30	Aamna Kalsoom	Spring Semester 2016 MS (SCM)	SILVER
31	Naila	Fall Semester 2015 MS (EE)	GOLD
32	Muhammad Azeem Afzal	Fall Semester 2015 MS (EE)	SILVER
33	Muhammad Rehman Zafar	Fall Semester 2015 MS (CS)	GOLD
34	Muhammad Waqas Qureshi	Fall Semester 2015 MS (T&N)	GOLD



35	Muhammad Tauqir	Fall Semester 2015 MS (T&N)	SILVER
36	Sumaira Akram	Fall Semester 2015 MS (ES)	GOLD
37	Sobia Shaista	Fall Semester 2015 MS (ES)	SILVER
38	Adil Azeem	Fall Semester 2015 MS (Geophysics)	GOLD
39	Noor-Ul-Ain Ashraf	Fall Semester 2015 MS (Geophysics)	SILVER
40	Manal Fatima	Fall Semester 2015 MS (CP)	GOLD
41	Sana Shaheen	Fall Semester 2015 MS (CP)	SILVER
42	Ahmed Ali	Fall Semester 2015 M Phil (MS)	GOLD
43	Muhammad Kamran Siddiqui	Fall Semester 2015 M Phil (MS)	SILVER



## Bahria University Library

Students of Bahria University enjoy latest facilities at the libraries of Bahria University, including self-scanning, D-Space theses repository and digital library. Library Information Services has launched “Self Scanning Facility” in the library. Through this facility, the valued library users can scan the library material (book, journals, magazines) with in copy right rules. The library has installed one e-Kiosk. The use of this machine is very user friendly. Now all library users including faculty members and students can get digitized copy of the available print material within minute.

By the grace of all almighty ALLAH we proudly announce that Bahria University Library has launched online institutional repository with DSpace. Bahria University library always try to provide state of the art library services to its user and LIS community. Bahria University Library is the 2nd Pakistani University with Online DSpace. We are in the starting phase and INSHALLAH soon we will upload digital research materials, conference papers, images, scholarly articles, and much more.

Please visit the following link for further details.  
<http://111.68.99.22:8080/xmlui/>

## Capacity Development Programs for Library Professionals

A workshop was organized at Bara Gali sponsored by University of Peshawar. It was aimed to get advanced experience of research exploring, while getting new areas for future academic Institutions, the topic of workshop was “Information Management in Digital Era” During this event exchange of thoughts on new awareness and methodologies of research and establishing closer linkages took place. The workshop was conducted for providing awareness and knowledge in Digital Preservation, Knowledge Management, Intellectual Property Rights and its applications in Pakistan, Information Literacy, Turnitin Software used for Plagiarism Checking & Class Assignments Management and Social Media application in Libraries.



## Independence day

As always Bahria University Islamabad Central Library Commemorated Independence Day of Pakistan on August 14<sup>th</sup> to pay homage to great efforts and struggle made by Quaid e Azam Muhammad Ali Jinnah and Allama Muhammad Iqbal and other leaders for getting

separate homeland. Independence day celebrations got started from the August 1<sup>st</sup>, 2017 that lasted till August 31<sup>st</sup> 2017. During this period exciting books were displayed for the readers and guest visitors. The turnout of the visitors during this time was very encouraging.







## World Book and Copyright Day

World Book and Copyright Day Celebration at BUKC on 24th April 2018 Organized by Library BUKC with PFLA (Pakistan Federation of Library Alumni)

## Collection Development at BUIC Library

Around 1286 new titles on a variety of subjects e.g. Management Sciences, Electrical Engineering, Computer Sciences, Earth Sciences, Social Sciences, Clinical Psychology, Media studies, Mathematics and General topics has been added in the BU library collection. This development is a series of ongoing additions in the collection. All the books have been purchased with consultation of the faculty members.



## Dr. Allama Muhammad Iqbal Corner at BUIC Library

A dedicated Corner has been established at BUIC library to commemorate our Great National poet Dr. Allama Muhammad Iqbal. Get the chance to see the unique books made available for you to pay tribute to our National Poet.



## Happy World Book Day 2018

World Book Day is regarded as a Celebration globally and is celebrated with utmost enthusiasm and interest. It's a celebration of authors, illustrators, books and most importantly a celebration of reading. In fact, it's the biggest celebration of its kind, designated by UNESCO as a worldwide celebration of books and reading, and marked in over 100 countries all over the world. The importance of reading books can be determined by the famous quote by famous author & writer Joseph Brodsky "There are worse crimes than burning books. One of them is not reading them".

Bahria University Library Islamabad Campus also celebrated World Book Day on April 23, 2018. The celebration included beautiful decoration of Central Library Premises by displaying beautiful and informative books from renowned authors. Director Islamabad Campus Cdre Syed Hasan Mustafa SI(M) also visited the Library and appreciated the efforts being put forward by the library staff.







## Book Fair

A two day Book Fair was organized at Bahria University Library Islamabad Campus on October 23 to 24, 2017. The students, faculty members and the distinguished guests took keen interest and thoroughly enjoyed the occasion.

Honorable Pro-Rector/DGIC Rear Admiral (R) Shahid Saeed HI (M) inaugurated the Book Fair 2017 along with Registrar, Director Islamabad Campus, Chief Librarian and all distinguished directors.

In this Book Fair 19 well known Book Sellers registered themselves to offer the books of various disciplines and fields to facilitate the guests and user readers.

Following its reputation Bahria University provided opportunities to students to take advantage through this book fair to enhance their knowledge to compete at the highest level and also to justify that book always carry utmost importance even in this digital era where everything is getting digital in nature.

It was well appreciated by all the distinguished guests, faculty members and students who were seen getting the books of their interest with great enthusiasm.

The exhibition provided an opportunity to faculty/students to purchase books for personal use. In addition to this, books were also purchased for the Campus Library as well



## Inauguration Ceremony of Library – BUKC

Inauguration Ceremony of Renovated Library was held on 12 July 2017. Honorable Rector BU inaugurated.



## International Conference on Small & Medium Enterprises – ICSMEs 2017

Bahria University Karachi Campus arranged International Conference on SMEs, A source of Socio-economic Development: Prospects and Challenges (ICSMEs-17). The primary goal of the conference is to promote research and developmental activities on the prospects and challenges associated with the SMEs' operations in Pakistan and in other countries

of the world. The conference will be an ideal platform for academics, business practitioners and students to share views and experiences on the dimensions of SMEs, such as Research & Innovation, Socio-Economic Growth, Support Policy, Relationship and Infrastructure management as well as related fields. All presented papers will be published in the proceedings of the conference and selected papers in the department's HEC accredited bi-annual journal "Global Management Journal of Corporate Studies (GMJACS).





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**R&D**

# Chapter 2

## Research & Development



A blue-tinted photograph of a conference room. In the foreground, a dark table has a white label with the text "R&D" in bold black letters. A silver pen lies on the table in front of the label. In the background, several chairs are arranged around the table, and a bright light source is visible through a window, creating a soft glow. The overall scene is clean and professional.

**R&D**

## Research & Development

Research and Development (R&D) activities serve as the backbone of a nation's economy. It is an established fact that innovation and commercialization, which are the direct outcome of research and development, can catalyze the economic engine of a nation. The innovation in research is germinated in institutions of higher learning, which can ultimately guide the industry. After consolidating and strengthening of its undergraduate programs post graduate programs leading to MS/MPhil & PhD in various disciplines have been started in line with the vision, mission and academic goals approved by the Board of Governors of Bahria University.

### Office of Research, Innovation & Commercialization (ORIC)

The Office of Research, Innovation & Commercialization (ORIC) was established at Bahria University on 17th February, 2010. The same was duly notified by HEC vide their letter no. 20/1-6/BUI/ORIC/R&D/HEC/2011 dated 7<sup>th</sup> October, 2011.

### Mission

“To provide strategic and operational support to the University's research activities / programs, while playing a central role in facilitating University-Industry Linkages, Intellectual Property Management, Technology Transfer / Licensing and Commercialization of Research”

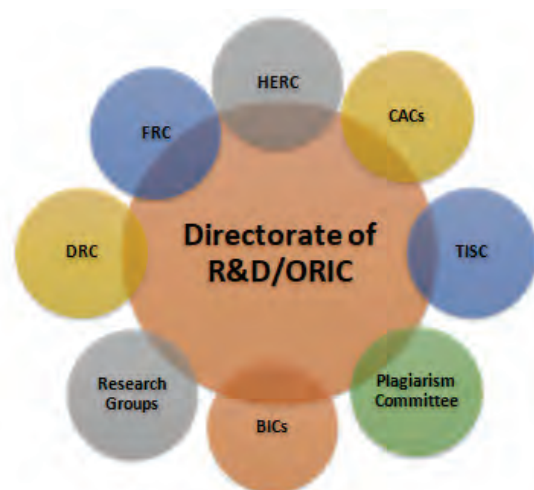
In pursuit of this mission, Office of Research, Innovation & Commercialization (ORIC) has taken

the responsibility of guaranteeing that all research programs and policies reflect the core values of academic freedom, professional integrity, ethical conduct and full compliance with all legal requirements and operational standards of the university. The aim is to provide strategic and operational support to the University's research activities / programs.

### Objectives

- Establish and maintain a research culture at BU
- Inculcate the spirit of innovation and entrepreneurship among BU researchers, both faculty and students
- Ensure that the research pursued at BU has relevance to the industry, community and society
- Commercialize R&D performed at BU
- Promote industry focused multidisciplinary R&D
- Promote training and education related to entrepreneurship and intellectual property
- Be a catalyst for creation of new industries
- Create job opportunities for BU graduates
- Contribute towards achieving financial sustainability for BU

### Ecosystem – Office of Research, Innovation & Commercialization (ORIC)





Following is the brief description of each component of ORIC ecosystem:

## Higher Education Research Committee (HERC)

Higher Education Research Committee (HERC) is the apex body of Bahria University which gives policy guidelines and directions regarding all major research issues of BU.

## Faculty Research Committee (FRC)

Faculty Research Committee (FRC) constituted by Registrar and headed by Dean of the Faculty. There shall be maximum of five elective members of the FRC including Director PGP, Director ORIC, and three members from other Higher Education Institutions, and industry with expertise relevant to the candidate's research-work. The main purpose of the committee is to provide the guidelines and directions to the research scholars for their research work, recommend Foreign Evaluators, Internal and External Examiners for Thesis Defense and Viva Voce Examiners for PhD scholars and form Ethical Review Committee (ERC) to look into ethical dimension of research of PhD scholars.

## Departmental Research Committee (DRC)

Departmental Research Committee (DRC) constituted by Dean of the Faculty and headed by the Head of Department (HOD). PGP Coordinator acts as the Secretary of the DRC. The major purposes of the DRC are to appoint Principal Supervisor(s)/Co-Supervisor(s) for MS/MPhil programs, propose Supervisor(s) to FRC for PhD scholars and conduct/manage research proposal/theses defense through the PGP Coordinator.

## Research Groups

Research Groups have been formed at the constituent units of Bahria University. Members of each research groups are not only from the same department but also intra-department or from some other research institutions/organizations nationally

and internationally. The major objective for the formulations of the Research Groups at BU is to encourage faculty members/researchers to conduct research activities collectively.

## Business Incubation Centres (BICs)

Business Incubation Centres (BICs) / Business Incubators are programs designed to support the successful development of entrepreneurial companies through an array of business support resources and services at Islamabad and Karachi Campuses.

## Plagiarism Committee

Plagiarism Committee is formulated to look into the issues of plagiarism and ethical aspects in the research being conducted by the research scholars and faculty of Bahria University.

## Technology Innovation Support Centre (TISC)

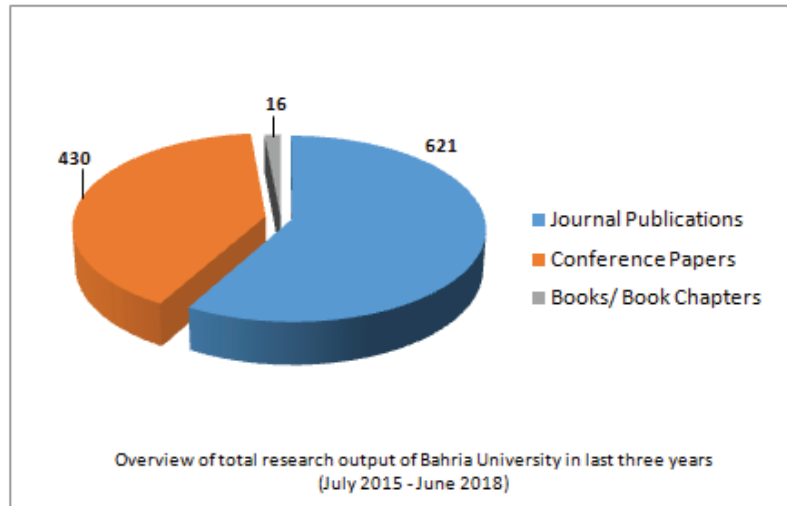
The sole purpose behind the establishment of Technology Innovation Support Centre (TISC) at BU is to provide support services to BU researchers for patenting their research and development work by proactively coordinating and communicating with BU faculty / students / visiting scholars/ sponsors / stakeholders and researchers.

## Corporate Advisory Committees (CACs)

Corporate Advisory Committees (CACs) have been established within each department at both the Campuses of Bahria University, comprising of (8-10) members of the relevant industries co-chaired by HOD and senior member(s) from the industry. Broad Terms of Reference of the CACs are Curriculum review for its alignment to meet needs of local industry, Sponsored R&D projects for BU students and Consultancy services for the industry.

## Research Output of Bahria University:

Research Output of Bahria University in terms of Journal Publications, Conference Papers and Books/Book Chapters produced by the faculty members / research scholars of BU in last three years (1<sup>st</sup> July 2015 to 30<sup>th</sup> June 2018) is shown in the figure given below;

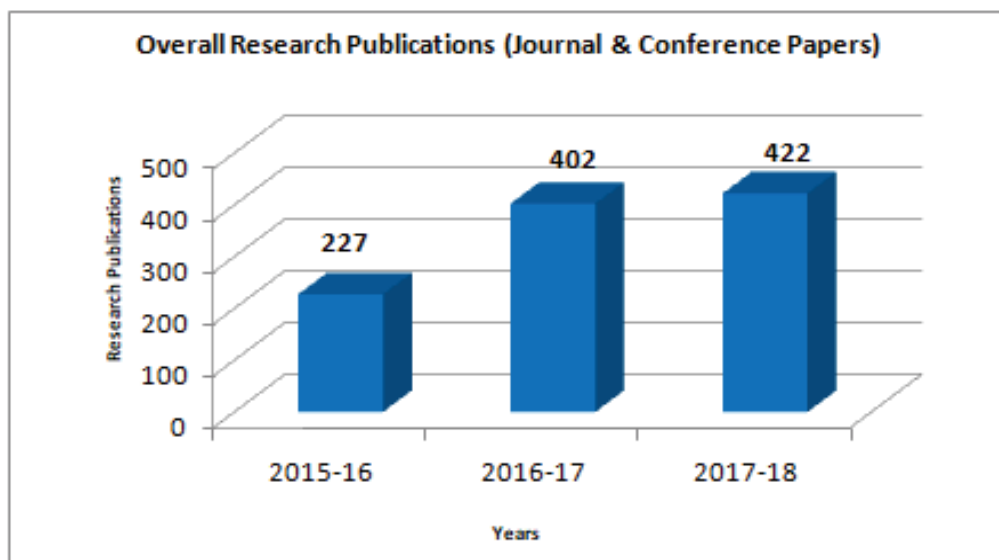


## Increasing Trend in the Major Key Performance Indicators (KPIs) of Research at Bahria University:

ORIC provides strategic and operational support to the University’s research activities / programs, while playing a central role in facilitating University–Industry Linkages, Intellectual Property Management, Technology Transfer / Licensing and Commercialization of Research. As a result of dedicated focus on research by Bahria University, major Key Performance Indicators (KPIs) of Research of Bahria University has significantly increased over the last few years, as shown below:

### Overall Research Publications

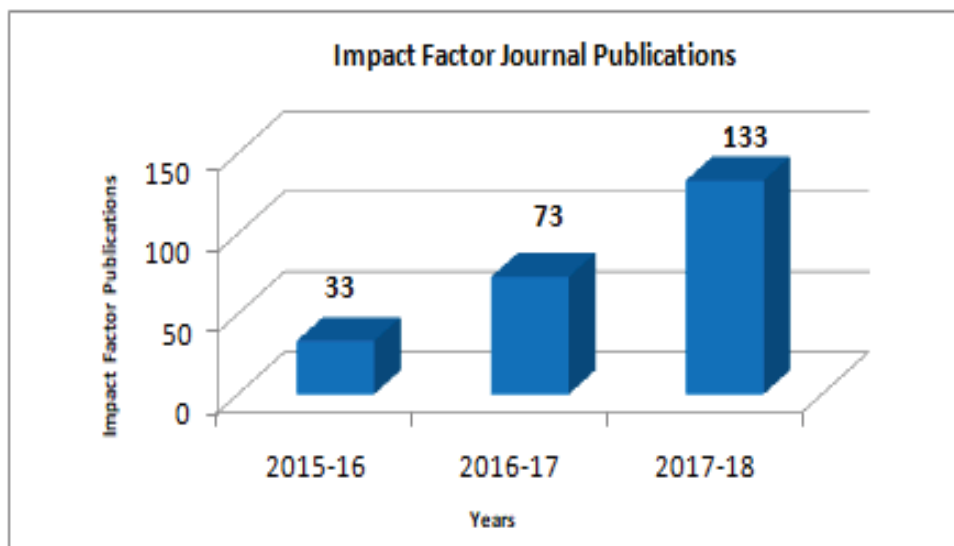
The increasing trend in the overall research publications of BU is shown below:





## Impact Factor Publications

Impact Factor Publications are those publications which are published in Thomson Reuters (ISI) indexed impact factor journals (included in JCR). The number of Impact Factor Publications by the faculty members of BU in last three years is shown below:

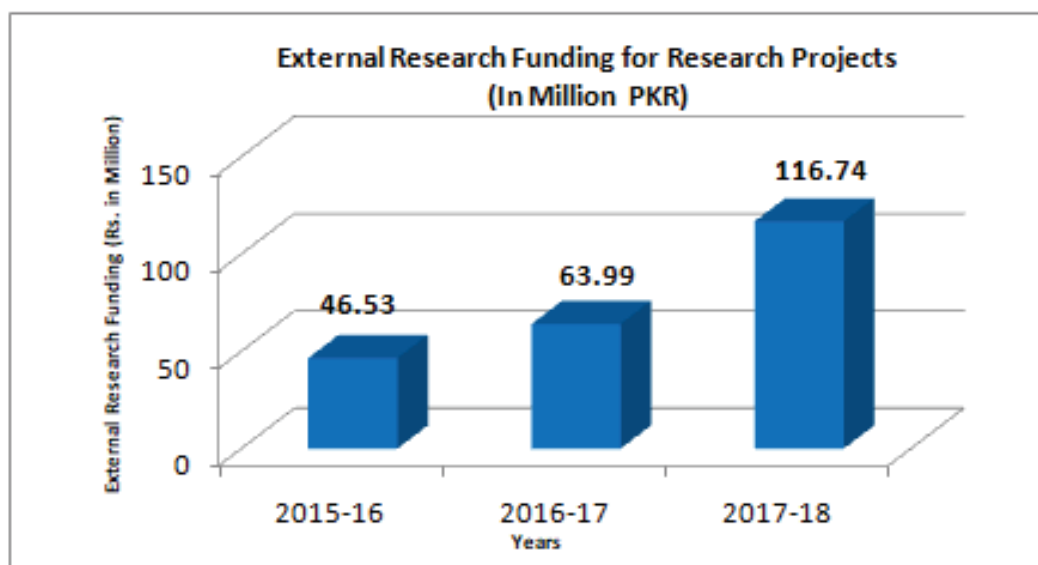


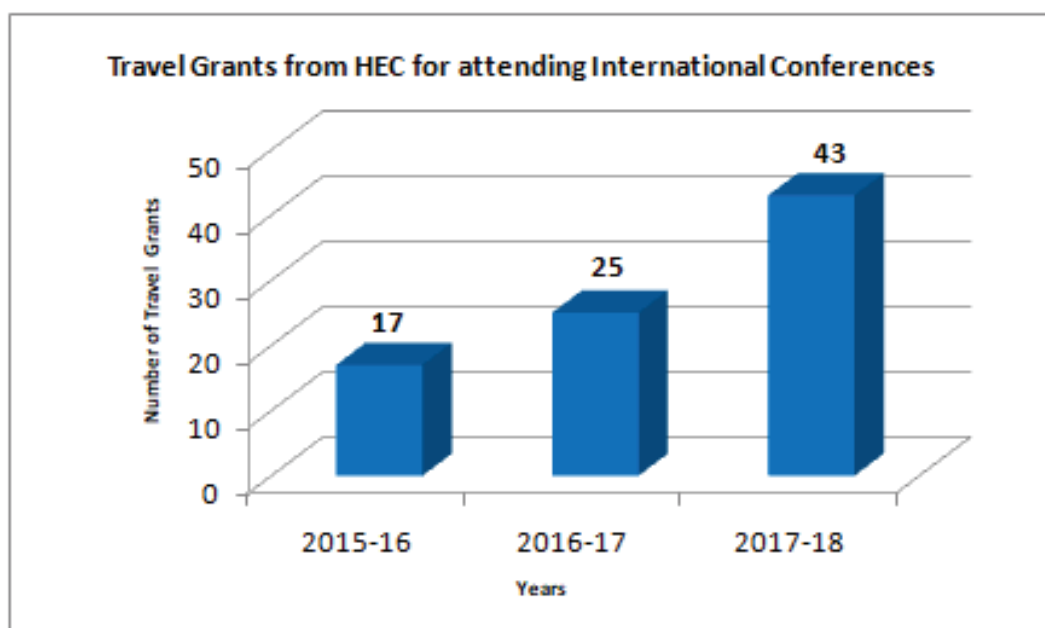
## External Research Funding for Research Projects

External Research Funding acquired by the faculty member of BU for their research projects has also been increased tremendously in last three years as shown below;

## Travel Grants from HEC

Travel grants acquired by the faculty members from HEC to attend international conferences abroad have been increasing every year as shown in figure below:





## External Research Funding for Research Projects of Bahria University:

Bahria University believes that research work should be done at applied level where socio-economic improvements are evident. The details of research funding worth of **Rs. 116.7327 Million** acquired by the BU Researchers from external sources, for such research endeavors are as follows:

S. No.	Project Title	Principal Investigator	Approved Funding Amount (Rupees in Million)	Year of Funding	Funding Agency
<b>Bahria University Islamabad Campus</b>					
1	Cyber Reconnaissance and Combat (CRC) Lab under National Cyber Security Centre	Prof. Dr. Muhammad Najam-ul-Islam Dean Engineering Sciences - BU	100.58	2018	HEC
2	Analysis of stunted student from primary grade learner using battery based adaptive achievement test	Prof. Dr. Tamim A. Khan SE, BUIC	0.805	2018	NRPU - HEC
3	Indigenous Development of Pincushion Correction Card of PDU (HUD System) for Mirage Rose-I/II Aircraft	Dr. Atif Raza Jafri Associate Professor HOD EE, BUIC	0.280	2017	Directorate of Engineering Development, Air Headquarters Islamabad
4	Impact of Human Resource Practices on Talent Management and Retention in Banking Sector of Pakistan	Dr. Syed Haider Ali Shah Assistant Professor MS, BUIC	0.228	2018	HEC – Startup Research Grant Program



5	Transformerless Photovoltaic Grid Connected Inverter for Microgrid	Dr. Muhammad Aamir Sr. Assistant Professor EE, BUIC	0.460	2017	HEC – Startup Research Grant Program
6	Modeling and Simulation of Viscous-Quantum-Hydrodynamical Models in Semiconductor Devices	Dr. Ubaid Ahmed Nisar Assistant Professor CS, BUIC	0.250	2017	HEC – Startup Research Grant Program
7	Critical Analysis of Anti-Money Laundering Laws of Pakistan	Dr. Tauseef Iqbal, Sr. Assistant Professor, Law, BUIC	0.342	2017	HEC – Startup Research Grant Program
8	IP Flows Monitoring System	Prof. Dr. Muhammad Najam-ul-Islam Dean Engineering Sciences - BU	0.15	2018	NESCOM
9	Cyber Alerts Co-Relation Engine Development	Prof. Dr. Muhammad Najam-ul-Islam Dean Engineering Sciences - BU	0.3	2018	NESCOM
10	IoT Based Smart Socket	Adil Ali Raza EE, BUIC	0.07	2018	IGNITE
11	Inductively Coupled Wireless Power Transmission	Dr. Muhammad Aamir EE, BUIC	0.068	2018	IGNITE
12	Smart Panda: IoT Based Room Monitoring and Controlling Device	M. Hasan Danish Khan EE, BUIC	0.016	2018	IGNITE
13	Coordination Design of Solar Geyzer System	Mudassir Wahab EE, BUIC	0.065	2018	IGNITE
14	Autism Therapy Using Virtual Reality	Dr. Sumaira Kausar CS, BUIC	0.07	2018	IGNITE
15	3D catalogues: The Holographic View	Samabia Tehsin CS, BUIC	0.036	2018	IGNITE
<b>Total (Rupees in Million)</b>			<b>103.72</b>	<b>---</b>	

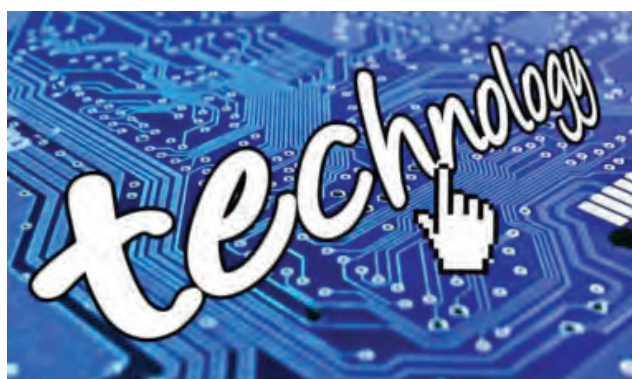
Bahria University Karachi Campus					
16	Design and Development of a high speed 3D-optical scanner based on machine vision for parts manufacturing industries in Pakistan	Dr. M. Anzar Alam Associate Professor EE, BUKC	8.84	2017	NRPU-HEC
17	Curriculum of Management and Social Sciences: Suggesting Model for Alignment with Stakeholders' Preferences and Expected Outcomes	Prof. Dr. Bashir Ahmed HOD, H&SS, BUKC	0.663	2018	NRPU - HEC
18	Eye Gaze-Based Human Computer Interaction	Dr. Bilal Hameed Assistant Professor CS, BUKC	0.482	2018	HEC – Startup Research Grant Program
19	Smart Irrigation System	Aisha Danish CS, BUKC	0.016	2018	IGNITE
20	IoT Based Smart Garbage Monitoring System	Bilal Muhammad Iqbal CS, BUKC	0.037	2018	IGNITE
21	Smart Battle Field SPY Robot for Active Surveillance	Bilal Muhammad Iqbal CS, BUKC	0.035	2018	IGNITE
22	Speech Recognition Based Smart Fire Extinguishing Vehicle	Bilal Muhammad Iqbal CS, BUKC	0.035	2018	IGNITE
23	Design and Implementation of Perimeter Security System	Burhan Ahmed EE, BUKC	0.07	2018	IGNITE
24	Industrial Automated Guided Vehicle	Dr. Najam M. Amin EE, BUKC	0.077	2018	IGNITE
25	Design and Controlling of Single Head Embroidery Machine	Zaki Masood EE, BUKC	0.075	2018	IGNITE
26	Utilization of Regenerative Energy	Dr. Muhammad Anzar Alam EE, BUKC	0.07	2018	IGNITE



27	Open Source Routing Protocol	Dr. Osama Rahman SE, BUKC	0.015	2018	IGNITE
28	Mehnat	Ammara Khalid SE, BUKC	0.015	2018	IGNITE
29	MOOBBOT	Huma Tabassum SE, BUKC	0.015	2018	IGNITE
30	Predict O'Analysis	Ammarah Khalid SE, BUKC	0.005	2018	IGNITE
31	Emotion Detector	Ayesha Zuberi CE, BUKC	0.02	2018	IGNITE
32	Gesture Based Smart Glove Using Pakistan Sign Language	Dr. Sohaib Amed CE, BUKC	0.07	2018	IGNITE
33	IoT Based Air Quality Monitoring for Asthma Patients	Nabiha Faisal CE, BUKC	0.02	2018	IGNITE
34	Smart Wheelchair For Disable Children	Wafa Qaiser Khan CE, BUKC	0.0239	2018	IGNITE
<b>Total (Rupees in Million)</b>			<b>10.5839</b>		<b>---</b>
<b>Bahria University Lahore Campus</b>					
35	Quiver VR	Mrs. Summaira Nosheen CS, BULC	0.0288	2018	IGNITE
<b>NCMPR</b>					
36	Sustainably Manage Mangrove Forest to Combat Desertification, Halt and Reverse Land Degradation, Halt Biodiversity Loss	Dr. Safia Mushtaq Sr. Assistant Professor, NCMPR, BUKC	0.45	2018	SIOP - HEC
<b>IPP</b>					
37	Analysis of Competency Assessments	Prof. Dr. Zainab F. Zadeh Director IPP, BUKC	0.05	2018	SSGC & Galvico

38	Leadership Potential Assessment and Analysis	Prof. Dr. Zainab F. Zadeh Director IPP, BUKC	0.1	2018	British Council & Galvico
39	C-MAP Culturally adapted therapy in patients with self-harm	Prof. Dr. Zainab F. Zadeh Director IPP, BUKC	1.8	2017	PILL & Medical Research Council (MRC)
<b>Total (Rupees in Million)</b>			<b>1.95</b>	<b>---</b>	
<b>Grand Total (Rupees in Million)</b>			<b>116.7327</b>	<b>---</b>	

## Establishment of Technology Innovation Support Centre (TISC)



With the growing research endeavors of the faculty members of BU, there was a dire need to efficiently manage and secure the intellectual property of the produced research keeping in view the best interest of BU and faculty members. A Technology Innovation Support Centre (TISC) has been established at BUHO on 6<sup>th</sup> December, 2017 under the functional & administrative control of Office of Research, Innovation & Commercialization (ORIC).

The sole purpose behind the establishment of TISC at BU is to provide support services to BU researchers for patenting their research and development work by proactively coordinating and communicating with BU faculty / students / visiting scholars/ sponsors / stakeholders and researchers.

## Establishment of Bahria Innovation Centre

Ground Breaking Ceremony of the New Bahria Innovation Centre, Bahria University took place at

Islamabad Campus on the 30<sup>th</sup> of July 2018. The Honorable Rector Bahria University Vice Admiral (Retd) Muhammad Shafiq HI (M) graced the occasion. Bahria Innovation Centre envisioned to establish, state of the art infrastructure to house a range of firms from the ICT, Engineering, IOTs, Big data, Medical Sciences, Banking & Financial Services, Defense Technologies, Robotics to name a few. The Centre will act as conduit for industry and university interaction, including projects, on-going research, student experiential learning, special events and training, providing world class infrastructure and secure, hassle free fully contained operating environment, designed to facilitate Highly Disruptive and Technologically Innovative Products and Companies.







23rd HERC Meeting In-Progress

## Meetings of Higher Education Research Committee (HERC)

Higher Education Research Committee (HERC) is the apex body of Bahria University which gives policy guidelines and directions regarding all major research issues of the faculty members and scholar of the constituent/affiliated units and monitor quality of research outcomes and theses, both at the PG levels.

In the year 2018, two meetings of HERC were conducted at BU Head Office through video conferencing, as follows:

- 22<sup>nd</sup> Meeting of HERC held on 22<sup>nd</sup> October, 2017.
- 23<sup>rd</sup> Meeting of HERC held on 18<sup>th</sup> April, 2018.

Rector (BU) and Chairperson of HERC, Vice Admiral (Retired) Tanveer Faiz HI(M) has chaired the 22<sup>nd</sup> Meeting of HERC whereas after his retirement, the new Rector (BU) and Chairperson of HERC, Vice Admiral (Retired) Muhammad Shafiq HI(M) chaired 23<sup>rd</sup> HERC meeting. Prof. Dr. Shehzad Khalid, Director R&D/ORIC and Secretary HERC, conducted both the meetings. HERC members and other invitees from BU and its constituted units attended the meeting and gave their valuable views and input on different agenda items regarding the research and development activities at BU.

## Research Groups:

To inculcate the spirit of collaborative research as well as to further improve the outlook of Bahria University (BU) in terms of its research standing, fifty-three (53) Research Groups have been formed at the constituent units of Bahria University at department level. Members of each research groups are not only from the same department but also intra-department or from some other research institutions/organizations. Each group has highly qualified members within its research areas and is actively involved in their specialized research activities

The objectives for the formulations of the Research Groups at BU are:

- Encourage faculty members/researchers to conduct research activities collectively
- Write research proposals for acquiring research funding
- Conduct research projects
- Generate impact factor publications
- Develop University-Industry & University-Academia Linkages
- Invite faculty members/researchers from other institutions for starting the joint research

projects with the faculty/researchers of BU

- During the year under report, number of research endeavors by the research groups are as follows'
- Research Papers published: **303**
- Research Project Proposals submitted for external research funding: 49
- Research Project approved for external research funding: 16
- Worth of Research Project approved for external research funding: Rs. 115.78 million

entrepreneurship, networking and assistance with external sources of financing and partnering with the business.

**Infrastructural Support;** Includes shared office services, high speed internet, photocopying etc.



## Business Incubation Centre (BIC):

Business Incubators are programs designed to support the successful development of entrepreneurial companies through an array of business support resources and services.

Following services have been provided to the incubatees.

**Professional Support;** Includes mentorship and coaching for proactive business help for

## Business Incubation Centres at BU Islamabad & Karachi Campuses

Business Incubation Centres at Bahria University Islamabad and Karachi Campuses have been established on self-help basis by the management of BU. The incubatee companies having scope of conversion into start-up companies have been chosen and placed through a stringent process of selection.

## Incubatee Companies at BU Incubation Centres at Islamabad & Karachi Campuses

### Incubatee Companies at BIC Islamabad Campus

### Currently Inducted Incubatees

S. No.	Name of Startup	Domain and Work	No. of Employees	Status
1	Maqami	Food IT / Food Restaurant	6	Incubated
2	Mutabadil	IT Engineering Services	3	Incubated
3	<b>Hycom</b>	Health & Hygiene	3	Incubated
4	<b>PharmaConn</b>	Block chain / Health Tech	2	Incubated
5	BCMS: Brain Controlled Massage Stretcher	Health Tech	3	Incubated
6	Vehicle Safety Assist	Transport	3	Incubated



7	Opportunities Circle	Education Marketing	4	Incubated
8	Blood Care	Health Tech	2	Incubated
9	Daily Grind	Food IT / Food Restaurant	5	Incubated
10	Norcca	Education Technology	1	Incubated
11	Assan Ticket	Tourism / Logistics	2	Incubated
12	Li-fi	Communication / ICT	3	Incubated

## Graduated Incubatees

S. No.	Name of Startup	Domain and Work	No. of Employees	Status
1	<b>RollOut</b>	Health Tech	6	Graduated
2	<b>Comma</b>	Education Tech	4	Graduated
3	<b>Ennovayt</b>	IoT	3	Graduated
4	<b>ToletAds</b>	Marketing Tech	4	Graduated
5	<b>InvestIn.pk</b>	Real State through IT	4	Graduated
6	<b>Know Where</b>	Consumer Technology	3	Graduated

## Incubatee Companies at BIC Karachi Campus

### Currently Inducted Incubatees

S. No.	Name of Startup	Domain and Work	No. of Employees	Status
1	Henna (Mehndi Printer)	Robotic, G-Code	3	Incubated
2	Smart Talk Technology	Eclipse, Open CV, ADT bundle	4	Incubated
3	E-Learning	Train Students	3	Incubated
4	Inventech	Automation	3	Incubated
5	Pleasure or Displeasure	Solution for Customer satisfaction	2	Incubated
6	Optimus	Advertisement, Entertainment	4	Incubated
7	Ever New Round (ENR)	Online Global Access to monitor & control electronic devices	4	Incubated
8	IoT Solutions	Embedded Systems	4	Incubated

## Graduated Incubatees

S. No.	Name of Startup	Domain and Work	No. of Employees	Status
1	SRM	Health Sector with IT	4	Graduated
2	Health Monitoring System	Health Sector with IT	3	Graduated
3	Innovative Electronic	Software & Hardware	5	Graduated
4	Immerse	Health Sector with IT	4	Graduated
5	Skydream Technologies	Virtual Reality	3	Graduated
6	Dukan Walaz	E-Commerce	3	Graduated
7	E-Education	Education & IT	4	Graduated

## Achievements of Bahria University Incubation Centres

Business Incubation Centres at Bahria University have been working on bringing forth the business ideas into reality. As a result, some Incubatee companies have made remarkable achievements in the year under report, details of such achievement are as follows:

### Assan Ticket USAID Grant



“Assan Ticket” a Startup at Business Incubation Centre, Bahria University Islamabad, has secured grant of Rs 2.6 Million from the USAID SMEA (Small Medium Enterprise Activity). USAID SMEA is a 5-year program to support and strengthen the SME sector of Pakistan. It targets increase in sales, jobs, fostering entrepreneurship and increased sectoral contribution to GDP. The program is designed to work with small and medium ICT enterprises and startups who require support in technical skills, marketing and

market access, bank credit and loans and business and growth planning.

Assan Ticket an initiative of Arif Hussain and Qaim Ali hailing from region of Astor and Shigar, is digitizing the ticketing system for the travelers of Gilgit Baltistan and aims to lay an online platform for ticket booking and safe traveling. Business Incubation Centre, Bahria University Islamabad has been working on bringing forth great and innovative and impactful ideas to resolve and address social issues of Pakistan. And we are proud to make this announcement and give our heartiest congratulations to Assan Ticket on their achievement with best of luck for the future

### Team BIC and Team Machinilog Representing Pakistan in European Robotics League Spain

Team Machinilog from Business Incubation Centre, Bahria University Islamabad represented Pakistan at IROS European robotics league (ERL) 2018. ERL Consumer Service Robots is a competition that aims at bringing together the benefits of scientific benchmarking with the attraction of scientific competitions in the field of consumer service robotics. The objectives are to bolster research in consumer service robotics for home applications, and to raise public awareness of the current and



future capabilities of such robot systems to meet societal challenges like healthy ageing and longer independent living. Currently, ERL Consumer raises challenges in domestic environments that resemble similar challenges to be posed in smart city environments (e.g. shopping malls), such as recognizing and picking objects, moving outside the home to populated areas, and/or taking elevators between doors. ERL Consumer local tournaments aim to prepare teams for SciRoc, the ERL Smart Cities Challenge



## Maqami Qualified for the TV Show – Idea Caroron Ka on Neo News – 2018

Maqami.com a Startup at Business Incubation Centre, Islamabad qualified and pitched at the live shows of IDEA CRORON KA, where they pitched their startup in front of a panel of renowned industrial experts and Investors. IDEA CRORON KA is a business reality show that provides an equal playing field to startups from across Pakistan by providing easy access to local and international investors. It presents young aspiring entrepreneurs as ‘heroes’ & ‘drivers’ of economic & social growth.



## BCMS and Blood Care get funding from the Centre of Social Entrepreneurship at the Ministry of Planning development and Reforms Pakistan – 2018



“Brain Controlled Massage Stretcher (BCMS)” and “Blood Care” two Startups of Business Incubation Centre, Bahria University Islamabad Campus, have secured a seed grant of Rs. 1 million from the Centre of Social Entrepreneurship, Ministry of Planning Development and Reforms, Government of Pakistan.

## Blood Care secures second Position at UNICEF’s Young Innovators Challenge

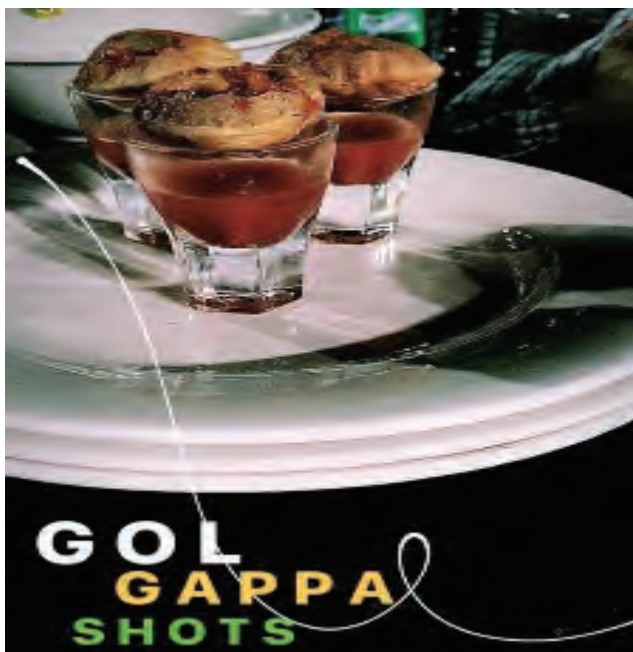
Nasrullah Kakar founder of Blood Care, was the Runner-up of Young Innovators Challenge an initiative of UNICEF in Collaboration with School of Leadership to promote sustainable development and mitigate development challenges in Pakistan. The Innovation Challenge” aims to encourage a more active role of youth in promoting innovative techniques and



effective solutions that may help expedite the process of achieving Sustainable Development Goals (SDGs) in Pakistan, with academic institutions, particularly university students, playing a crucial role in generating innovative ideas and sustainable solution.

## “Gol Gappa Shots” qualified for Sprite Spice Wars 2018

“Gol Gappay Shots” a startups of BIC, Bahria University Islamabad Campus qualified for the Sprite Spice Wars Finals 2018 that were held in Karachi. Sprite Spice wars is a Unique platform allowing food startups to bring forth with their unique ideas and compete at the national level.



## Bahria University secured 2<sup>nd</sup> Position in Microsoft Imagine Cup - 2018



IOT Solutions, a startup at BIC, Bahria University Karachi Campus has secured second position in Microsoft Imagine Cup 2018 held at Higher Education Commission (HEC) in May, 2018. Around 1180 students from 220 National universities participated in the competition through Microsoft in collaboration with HEC. Four teams from Bahria University Karachi Campus were selected in top 25 teams and finally IOT Solutions secured the second position in Microsoft Imagine Cup - 2018.



## Bahria University acquired funding from HEC for the establishment of Cyber Reconnaissance and Security (CRC) Lab under National Centre for Cyber Security (NCCS)

Government of Pakistan through Higher Education Commission (HEC) has established National Centre for Cyber Security (NCCS) along with associated Labs. The aim of research centre & labs is to become the leading hub of innovation and scientific research, to develop tools and technology to protect Pakistan’s cyber space and knowledge transfer to local economy and training.

The National Centre housed in Air University Islamabad will comprise of Labs including Bahria University Islamabad, Lahore University of Management Sciences (LUMS), National University of Science & Technology (NUST), Information Technology University (ITU) Lahore, NED University Karachi, Pakistan Institute of Engineering & Applied Sciences (PIEAS), University of Peshawar, University of Engineering & Technology Peshawar, University of Technology Nowshera, University of Engineering & Technology Lahore, and University of Engineering & Technology Taxila.



Bahria University has been awarded the grant for Cyber Reconnaissance and Security (CRC) Lab in a special ceremony held on 14<sup>th</sup> May, 2018 at Air University, Islamabad. Funding for CRC Lab is approximately **Rs. 100.58 Million** provided by HEC. Cyber Reconnaissance and Security (CRC) Lab will work under the NCCS. The objective of establishing CRC lab in Bahria University is to address the vibrant National security needs and enhancing skill base to keep abreast with changing cyber security threats. In this context, the CRC Lab shall be developing an Indigenous Intrusion Detection System

that shall be capable of detecting both internal and external attacks over the network. Commercial/Open source IDS cannot be trusted to protect Critical Information Infrastructure. Indigenous IDS will serve as main line of defense to identify threats/ attacks on National Information Infrastructure.

Principle Investigator of the project is Prof. Dr. M. Najam-ul-Islam (Dean Engineering Sciences - BU). The Co-PIs are Dr. Atif Raza Jafri (HoD EE, BUIC), Dr. Faisal Bashir (HoD CS, BUIC), and Dr. Kashif Naseer & Dr. Nazir Malik (Faculty members of CS Deptt, BUIC).



Glimpses from the Inauguration Ceremony of National Centre for Cyber Security (NCCS) at Air University, Islamabad



## University-Academia Linkages

To enhance the university-academia linkages for gaining mutual benefits in education and research at national level, Bahria University signed following MOUs:

S. #	Name of Host Department	Collaborating Agency/Institution	Scope of Collaboration	Date of Link Established
<b>National</b>				
1	Bahria University	Pakistan Institute of Engineering & Applied Sciences (PIEAS) Islamabad	Scientific and technical collaboration for the exchange of ideas, skills and techniques	21st March, 2018
2	BIC, BUKC	Institute of Bankers Pakistan	Collaboration in Masters Programs (Banking & Finance)	18th August, 2017
3	IPP, BUKC	AGA Khan University	Internships Program	8th August, 2017
<b>International</b>				
1	International Office, BU	Sapienza Universita Di Roma, Italy	Exchange of Students	8th June, 2018
2	International Office, BU	University of Groningen, Netherlands	Exchange of Academic Information & Material, Joint Research activities, Participation in conferences	26th June, 2018
3	International Office, BU	Beihang University, China	Exchange of faculty, students, joint research, PhD scholarships, joint conferences, joint research groups	20th October, 2017
4	International Office, BU	Southeast University, China	Research collaboration through to technologies and foundries within China, access to laboratories/chip testing facilities, design of ICs	17th November, 2017
5	International Office, BU	Dalian Maritime University, China	Provision of PhD Scholarships to BU Faculty	22nd June, 2018

## University-Industry Linkages

The benefits which can be attained by the industry from the research endeavors of academia are far beyond imagination. In the entire developed world, the academia is responsible for the development, transfer, diffusion and application of new knowledge and technology in the industry. For such reason a holistic interaction pattern is required between academia and industry for the development of any nation's innovative system through the exchange of knowledge and technology.

The interaction between academia and industry of its vital importance not merely because of the reason that industry can finance the research projects etc. of the academia but for the purpose of questions posed by the industry which often reveals gaps in knowledge that can only be addressed by long term research by the academia. Realizing the importance of all mentioned aspects, BU signed MOUs with different organizations / Industry as follows:-



S. #	Title of the Collaboration	Name of Industrial/ Business Partner	Date of link established	Department of university with which link has been established	Major Area of linkage
1	MoU	KWICK High Tech	25 September, 2017	Bahria University Head Office	Establishment of Smart Technologies Innovation Development Centre (STIDC)
2	MoU	Pace Consulting Solutions, Islamabad	28 July, 2017	Bahria University Head Office	Consultancy to provide advice and support for development of accelerated startups
3	MoU	Pakistan Metrological Department (PMD)	13 April, 2018	E&ES, BUIC	Joint research projects, exchange of information and data for research purposes
4	MoU	Khyber Pakhtunkhwa Oil and Gas Company Limited (KPOGCL)	8th March, 2018	E&ES, BUIC	To develop solutions in energy sector
5	MoU	MOMENTUM	8 January, 2018	BIC, BUIC	Discounted services and grants for BU Startups
6	MoU	Pakistan Alliance for Girls Education (PAGE)	5TH Dec, 2017	BIC, BUIC	Women Entrepreneurship Vocational Education/ Skills Development
7	MoU	Hum Network Limited	22 Nov, 2017	Media Studies, BUIC	Collaboration in Media related activities
8	MoU	Bank Alfalah	11 Aug, 2017	MS, BUIC	Awareness on Islamic Banking among students through different activities
9	MoU	Helping Hand for Relief and Development	9 Aug, 2017	Bahria University Head Office	Youth and Volunteering Development
10	MoU	10XC	15th March, 2018	BIC, BUKC	Joint collaboration between departments and resources for entrepreneurial activities
11	MoU	Global Welfare Organization (GWO)	14th August, 2017	BULC	Development of youth and society
12	MoU	Wonder Tree	1st March, 2018	IPP, BUKC	Provision of software, technical assistant and necessary trainings for monitoring and assessment

## Commercialization of Research

Commercialization of research provides new products and services that can be used to solve some of life's most pressing problems, as well as making incremental improvements to the quality of life for consumers and business effectiveness across a wide

variety of domains. Bahria University is striving hard to convert its applied research into patenting and product/prototype development, such endeavors are as follows;

## Patents Filed by the Researchers of Bahria University

S. #	Title of Patent	Name of Principal Investigator/ All Inventors	Patent Grant / Issue	Approving Authority/ PO	Major Area
1	FPGA based system design for light matrix communication	Yasal Imran Waheed, Daniyal Haider, Rabia Batool, Dr. Saleem	Patent Filed	Intellectual Property Organization of Pakistan (IPO)	Electrical Engineering
2	Apparatus for low complexity inverse fast fourier transform (IFFT) computational in a universal filtered multi carrier (UFMC) modulator	Atif Raza Jafri, Najm ul Islam, Muhammad Ali Shami	Patent Filed	Intellectual Property Organization of Pakistan (IPO)	Electrical Engineering
3	Antiseptic Toilet Seat Cover Paper	Muhammad Saad Sajid, Muhammad Mohsin Anwar, Taimour Javaid, Mohammad Usman Butt, Muihammad Arham	Patent Filed	Intellectual Property Organization of Pakistan (IPO)	Management Sciences
4	Apparatus for domestic scale air conditioner with thermal energy storage	Jehanzeb Ahmed, Dr. M. Najmul Islam	Patent Filed	Intellectual Property Organization of Pakistan (IPO)	Electrical Engineering
5	Apparatus for domestic Air-Conditioner with Storage	Jehanzeb Ahmed, Dr. M. Najmul Islam	Patent Filed	Intellectual Property Organization of Pakistan (IPO)	Electrical Engineering
6	GSM Operated Safety Lock Alarm System	Rafia Imran Khan, M. Mehboob-ur-Rehman, Qasim Zaman, syed Asim Ali Shah	Patent Filed	Intellectual Property Organization of Pakistan (IPO)	Electrical Engineering
7	JAPE Electric Life Protector (JELP)	Fazila Shams	Patent Filed	Intellectual Property Organization of Pakistan (IPO)	Software Engineering
8	3D Augmented Reality Glasses with Motion Sensor	Ali Asif Mirza, Aiman Zulfiqar, Abdul Hannan Ch, Dr. Syed Asim Ali Shah	Patent Filed	Intellectual Property Organization of Pakistan (IPO)	Software Engineering
9	IOT Based Battery Health Management System Using Coloums Counting Method	Abdul Kibria Kayani, Fawad Azam Cheema, Anas Aslam, Dr. Asad Waqar	Patent Filed	Intellectual Property Organization of Pakistan (IPO)	Electrical Engineering



## Number of research products/process gone into prefeasibility / prototype development

S. #	Title/Name of the Product or Process	Principal Investigator	Research project title under which product or process is being developed	Current Status
1	Media Tic	Dr. Imran A. Siddiqi	Content based Indexing and Retrieval of Videos	Prototype under developing phase
2	E-Learning System	Prof. Dr. Tamim A. Khan	E-Learning System to Assist Elementary Education, Response Analysis and Early Detection	Product developed and implemented
3	Brain Controlled Massage Stretcher	Abdul Basit	Product of BIC Startup supported by Ministry of Planning, Development & Reform	Prototype developed and under testing phase
4	Blood Care	Nasrullah Kakar	Product of BIC Startup supported by Ministry of Planning, Development & Reform	Prototype under developing phase
5	Machine Log	Fahad Hassan	Product of BIC Startup on Robotics and Artificial Intelligence	Prototype under developing phase

## Bahria University Best Faculty & Student Researcher Awards – 2017

Best Faculty & Student Researcher Awards (**faculty wise**) for the year 2017 have been awarded to the following faculty members & students of Bahria University at Bahria University Islamabad & Karachi Campuses by the Honorable Rector – BU in the month of February, 2018.

### BEST FACULTY RESEARCHER AWARD - 2017

S. No.	Name of Faculty Member	Faculty
1	Prof. Dr. Shehzad Khalid Director ORIC and Sr. Professor, Deptt., of CE, BUIC	Faculty of Engineering & Environmental Sciences
2	Mr. Muhammad Khubaib Abuzar Sr. Assistant Professor Deptt., of E&ES, BUIC	
3	Prof. Dr. Yasmin Nergis Professor and Head, Deptt. of E&ES, BUKC	
4	Dr. Safia Mushtaq Sr. Assistant Professor NCMPR, BUKC	
5	Dr. Riaz Ahmed Director PGP and Associate Professor, Deptt., of MS, BUIC	
6	Dr. Abdul Sattar Sr. Assistant Professor, Deptt., of MS, BUIC	Faculty of Management & Social Sciences
7	Prof. Dr. Mustaghis-ur-Rehman Sr. Professor & Head, Deptt., of MS, BUKC	

**BEST STUDENT RESEARCHER AWARD - 2017**

S. No.	Name of Faculty Member	Faculty
1	Ms. Tehmina Khalil PhD Scholar, Deptt., of SE, BUIC	Faculty of Engineering & Environmental Sciences
2	Mr. Muzammal Ilyas Sindhu PhD Scholar, Deptt., of MS, BUIC	Faculty of Management & Social Sciences



Prof. Dr. Shehzad Khalid receiving the Award from the Honorable Rector



Dr. Riaz Ahmed receiving the Award from the Honorable Rector



Dr. Abdul Sattar receiving the Award from the Honorable Rector



Mr. Muzammal Ilyas Sindhu receiving the Award from the Honorable Rector





Mr. Khubaib Abuzar receiving the Award from the Honorable Rector



Ms. Tehmina Khalil receiving the Award from the Honorable Rector



Dr. Safia Mushtaq receiving the Award from the Honorable Rector



Chapter 3  
**Quality  
Assurance**





LOW

MED.

HIGH

QUALITY  
LEVEL

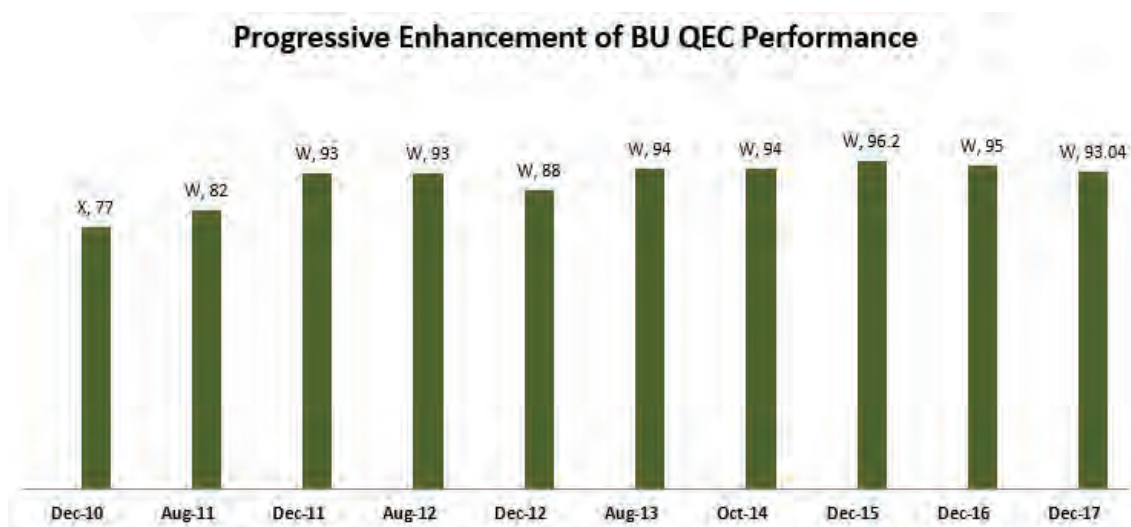


## Quality Assurance

### QA Mechanism in BU

Currently there are two mechanisms functioning in Bahria University against which programs of BU are assessed for Internal Reviews, HEC Reviews and Accreditation bodies visit etc. Details of mechanism is as under:

#### a. Internal Quality Assurance (IQA) Mechanism



#### b. External Quality Assurance (EQA) Mechanism

### Internal Quality Assurance (IQA) Mechanism

- i. Self-Assessment
- ii. Self-Academic Audit
- iii. Mock-Audit
- iv. Corrective Action Plan
- v. Analysis of Students Feedback and Faculty Evaluation

### External Quality Assurance (EQA) Mechanism

- i. Inspection/Review of Accreditation Bodies
- ii. Inspection/Review of Higher Education Commission

## BU QA Directorate Performance

QEC by scoring 93.04% marks in 11th Assessment announced by Quality Assurance Agency (QAA) of HEC in December 2017 showed the commitment of QEC in promoting quality culture and establishing quality processes at BU. QEC has been continuously rated in the Top category of 'W' for last five years.

## Memberships of QA Directorate

DQA of Bahria University is member of various International Quality Networks/ Organizations including APQN (Asia Pacific Quality Network), INQAAHE (The International Network For Quality Assurance Agencies in Higher Education), AQAIIW (Association of Quality Assurance Agencies of the Islamic World), Talloires Network, ACU (Association of Commonwealth Universities) and Yahoo Quality Network.

- a. Asia Pacific Quality Network (APQN)
- b. INQAAHE (International Network for Quality Assurance Agencies in Higher Education) (Member since 28 July 2010)
- d. AQAIIW (Association of Quality Assurance Agencies of the Islamic World)
- e. QEC Yahoo Network (Member since 15 May 2015)
- f. The Talloires Network (Member since 1 Jan 2009)
- g. Association of Commonwealth Universities (ACU)



## Details of Mock Audit conducted during 1<sup>st</sup> July 2017- 30 June 2018 at Bahria University

1	Karachi	CE EE	BEE BCE	6-8 June 2018
2	Islamabad	E&ES	BS ES BS Geo-Phy BS Geology	27-Apr-18
3	Islamabad	PP	BS PP	24-Apr-18
4	Karachi	MS	BBA MBA	19-20 Feb 2018
5	Islamabad	CS	BS IT	9-10 Nov 2017
6	BUMDC	Medical	MBBS BDS DPT	23-25 Aug 2017
7	Lahore	MS CS	MS PM MS CS	14 Jul-17
8	Lahore	CS	CS IT	11-12 July 2017
9	Karachi	CS	BS IT	1-Jun-17

## Details of Self Academic Audit conducted during 1<sup>st</sup> July 2017- 30 June 2018 at Bahria University

1	Lahore	MS PM MS CS	12-14 Feb 2018
2	BUMDC	MBBS BDS DPT	13-14 Feb 2018
3	Karachi	<ul style="list-style-type: none"> <li>- MS Level Programs of</li> <li>- Management Sciences</li> <li>- Electrical Engineering</li> <li>- Computer Engineering</li> <li>- Software Engineering</li> <li>- Media Studies</li> <li>- Earth Sciences</li> <li>- Computer Sciences</li> <li>- Psychology</li> </ul>	22-27 Feb 2018

4	Islamabad	Undergraduate level programs of Social Sciences Professional Psychology Law Earth Sciences Management Sciences Media Studies	22-27 Feb 2018
5	Lahore	BBA MBA BS IT	5-8 Mar 2018
6	Karachi	Undergraduate programs EE CE SE CS Social Science Psychology Earth & Environmental Sciences Management Science and Media Studies	19 – 22 Mar 2018
7	Islamabad	Ph.D. (MS) Ph.D. (CS) Ph.D. (CE) Ph.D. (SE) Ph.D. (EE) PhD Media Studies PhD CP	21-22 Mar 2018
8	Karachi	Ph.D. (MS) Ph.D. (CS) Ph.D. (CE) Ph.D. (SE) Ph.D. (EE) PhD Geo – Physics PhD Geology PhD Clinical PhD Organizational Psychology PhD Educational Psychology	16-20 April 2018
9	BUMDC	M. Phil Anatomy M. Phil Pathology M. Phil Pharmacology BS MLT	15-16 May 2018
10	Islamabad	All MS/M.Phil and PhD programs	13-15 Sept 2017
11	Lahore	All MS/M.Phil and PhD programs	13-15 Sept 2017
12	Karachi	BS IT BS CS	18- 19 Sept 2017
13	Islamabad	All undergraduate programs	9-11 Oct 2017
14	Lahore	All undergraduate programs	9-11 Oct 2017

## Details of Self Assessment Exercise conducted during 1<sup>st</sup> July 2017–30 June 2018 at Bahria University

Campus	Deptts	Program	Dated of Visit
Islamabad	CS	MS CS MS T&N	19-20 April 18
	EE	MS EE	
Karachi	MS	MS Finance MS PM	May 18
	EE	MS EE	

## List of NOC Received from HEC during 1<sup>st</sup> July 2017 to 30 June 2018 by Bahria University

Campus	Department	Program	Date of Issue
BUIC/IPP	Psychology	MS (Clinical Psychology)	25-Oct-17
BUKC	CS	MS (Mathematics)	31-Jan-18
BUMDC	Medical	M. Phil (Anatomy)	13-Dec-17
BUMDC	Medical	M. Phil (Pathology)	13-Dec-17
BUIC	CS	PhD (Mathematics)	22-Sep-17
BUIC	Media	PhD (Media Studies)	6-Oct-17
BUKC	Media	MS (Media Studies)	6-Oct-17
BUIC	LAW	PhD (Law)	6-Oct-17
BUIC	Management	MS (Islamic Banking & Finance)	27-Oct-17
BUIC	MS	PhD (Economics)	2-Feb-18

## Impact of Quality Assurance & Academic Audits

- ✓ More Ph.D. faculty has been hired / inducted
- ✓ Teaching and Learning methods have been improved
- ✓ Student's Feedback/Surveys are given due importance
- ✓ PERN utilization has been increased
- ✓ More Research publications in ISI – indexed & Impact factor journals
- ✓ More offices for faculty & classrooms for students have been established
- ✓ Libraries of the Campuses have been upgraded
- ✓ All newly launched and old programs are recognized by HEC and respective councils.



## Cash Award Cases Scrutinized

- ✓ To promote the research culture at Bahria University by enhancing the research publications by the faculty and student of BU.
- ✓ The Higher Education Commission of Pakistan publishes, each year, the annual research output of the universities in which HEC ranks the universities on the basis of the research papers published under their university names in HEC Recognized Journals (included ISI-Indexed Impact Factor Journals).
- ✓ HEC every year retrieves the number of ISI-Indexed Impact Factor research papers published by the faculty members of the universities through ISI-Web of Knowledge.
- ✓ For the purpose of enhancing the annual research output of Bahria University, a policy on cash awards have been duly approved and implemented.

Details of Cash Award for research publications during 1 July 2017 and June 2018 is as under:

Campus	Total No. of Publications	Category				Financial Value (Rs)
		IF	X	Y	BU	
BUIC	201	154	9	31	7	Rs.8,260,000
BUKC	12	4	-	4	4	Rs.3,20,000
BULC	1	-	-	1	-	Rs.10,000
BUMDC	18	6	4	6	2	Rs.4,60,000
Grand Total	232	164	13	42	13	Rs.9,050,000

## Details of Training conducted for capacity building

### Briefing on QA Procedures and Policy

As a capacity building exercise for the faculty, Quality Assurance Directorate conducted training on “Briefing on QA Procedures and Policy” on 15 August 2017. Deputy Director QA (Quality Manager BUIC) was the resource person of the training. The session was attended by QACs of all respective departments and newly inducted faculty of BU Islamabad Campus.

The training purpose was to brief about the role, policies and procedures of Quality Assurance and its mechanism implementation at BU.

## Faculty Evaluation

To give students ownership, all students are encouraged to identify improvement/weakness and strengths in teaching methods, class environment through faculty evaluation. Faculty Evaluation analysis of all campuses of BU are being carried out in Mid-term and Final Term exams of each semester. Slowly and gradually the system is improving.



## ”How to Prepare Self-Assessment Report” and “How to Conduct Self-Academic Audit” at BU Islamabad Campus

As a capacity building exercise for the faculty, Quality Assurance Directorate conducted training on “How to Prepare Self-Assessment Report” and “Self-Academic Audit” on 18 Oct 2017. Director QA, Fazal Wahab was the resource person of the training. The session was attended by QACs of all respective departments of BU Islamabad Campus.

The training was comprised of two sessions. In first session significance of Self-Academic Audit was highlighted for identifying weakness and strengths of the programs. In second session resource person briefed Quality Assurance Committee (QAC) members about how to prepare and write comprehensive Self-Assessment Report. He also provided some useful guidelines for activating QACs.

Overall the session was very interactive, the participants discussed the issues under consideration. Q/A session also proved to be significant as many queries were addressed to the entire satisfaction of the participants.

## Participation of QA in various events

### 1st International Conference on Quality Assurance at Higher Education Level

Khyber Medical University (KMU) Peshawar, organized 1st International Conference on Quality Assurance in Higher Education on December 18 and 19. Mr. Syed Zafar Ali Shah, Secretary Higher Education Department, KPK was the chief guest on the occasion.

Universities from all over Pakistan participated in the Conference. Mr. Muddassar Javed, Manager QA and Mr. Muhammad Iftikhar Ali, QA Officer represented Bahria University in 1<sup>st</sup> International Conference on Quality Assurance.

The purpose of the conference was to bring the role of Quality mechanism, practices and procedures in higher education into limelight in main stream education. The sub themes of the conference were Good QA practices in imparting knowledge, skills and Research at HEIs, Self-Assessment Reports in facilitating Accreditation Processes, Develop Public Confidence in Higher Education, Competing at International level for seeking standardization



of Qualification Framework and employment, Significance of feedback of the stakeholders focusing Employers and Alumni, Challenges in implementation of QA processes, Impact of QA practices in building National Economy.

Besides national speakers, keynote speakers from Germany, Turkey, Bahrain and Sudan presented their papers. Mr. Muhammad Iftikhar Ali, QA Officer (BU) also presented his paper in the conference on the topic of “Impact of QEC Leaders’ Intellectual Competencies on Quality Enhancement of Higher Education Institutions”.

At the end of the each session, shields were distributed to the presenters and at the end of the conference certificates of participation were presented among all participants. Besides this cultural show on KPK heritage was organized by the KMU on 1st day night of the conference and on second day recreational trip was organized by KMU after the conclusion of the conference on 2nd day for the participants and presenters.

## HEC Progress Review Meeting

HEC Progress Review meeting of Quality Enhancement Cells was held on 28-29 March 2018 at Hotel Margalla, Islamabad. The meeting was organized by QAA of HEC and chaired by Prof. Dr. Riaz Ahmad, Advisor QAA HEC. The Director QAA Mr. Nasir Shah and Deputy Director Engr. Shoaib Irshad also graced the event. The Director of Quality Assurance Directorate Bahria University Mr. Fazal Wahab, QA officer M. Iftikhar Ali and Manager QA Mr. Muddassar Javed represented Bahria University. In his presentation, Mr. Fazal Wahab presented IQA progress and planning for completing targets of assessment year 2018-19. A brief planning and status of program accreditation, program self-assessment, MS/MPhil and PhD Program review of Bahria University and Institutional Performance Evaluation to the chair. A training on revised template of YPR along with data base of DAI was organized on second day. The training was planned to guide the DAIs regarding preparation of YPR as per the given template along with required databases and acceptable evidences, against each parameter of revised criteria.



Director Quality Assurance Bahria University Mr. Fazal Wahab presenting annual progress of QA Directorate Bahria University to HEC QAA - March 2018

## Best Employee Award 2017

Best Employee Award ceremony held on 7th February 2018 at Bahria University Head Office. During the ceremony Rector BU said that our students, faculty and staff are the most important asset and we are delighted to recognize their commitment and hard work. Best Employee Award 2017 was conferred to Mr. M Anwar Khan, UDC, QA Directorate, Bahria University Head Office.





Name/ID	Date Out	Date In	Sign
21-13212-150	5/11/14	24.11.14	[Signature]
01-244131-583	4/12/14	5.12.14	[Signature]

Name/ID	Date Out	Date In	Sign





Chapter 4  
**International  
Collaboration**









## International Collaboration

Changing dynamics of higher education requires educational institutes to build alliances with international universities to expand resources and pool of information available to students, faculty and other stakeholders. Internationalization is functioning at the heart of Bahria University's' operations. The International office BU supports meaningful formal relationships with foreign universities and institutions. Such relationships bring a wide range of educational

benefits, such as credit transfers, student/faculty exchange programmes and joint research projects.

## Progressive Increase

Believing in the importance and academic values of internationalization, Bahria University continuously endeavored during the period under review to provide international exposure to its faculty and students. New agreements have been signed with following Universities in the academic year 2017-18:



## Collaboration with Universities & Institutions

Developing International Partnerships serves as an indispensable resource for Bahria University to build and expand linkages with higher education institutions in other countries. Joint research and exchange activities provide the opportunity to students/faculty to grow and diversify their skills by engaging with international community and foster a culture where this diversity is valued positively. The opportunity to have international credit transfers and exchange programmes, as part of the degree program, is beneficial to students and is a key factor in attracting them to choose Bahria University. Bahria University is committed to provide a range of opportunities for students, faculty and staff to have an international experience with following partner institutions around the world:

### United Kingdom

Brunel University  
 Plymouth University  
 University of Bedfordshire  
 University of Greenwich  
 University of Leicester  
 University of Nottingham  
 University of Northampton  
 York St. John University  
 Corbett Center – King’s College  
 Southampton Solent University

### Iran

Chabahar Maritime University  
 Damghan University

### Bangladesh

International University of Business, Agriculture & Technology

### Turkey

Izmir University of Economics  
 Istanbul Kemerburgaz University  
 Istanbul Aydin University

Dogus University  
 Yasar University  
 Erzurum Technical University  
 Hakkari University  
 University of Sirnak  
 Yeditepe University

### Australia

Griffith University  
 Macquarie University  
 Edith Cowan University

### Malaysia

AIMST University

### China

Hangzhou Dianzi University  
 Shanghai Lixin University  
 Beijing Technology & Business University  
 Beihang University

### Canada

Dalhousie University

### Thailand

Burapha University

### Netherlands

HvA Amsterdam University of Applied Sciences

### USA

MIT (Resource Sharing)  
 University of Idaho  
 Valparaiso University

### Italy

Trieste University



Besides this Bahria University is also a member of International Quality bodies and Organizations such as Asia Pacific Quality Network (APQN), International Network for Quality Assurance Agencies in Higher Education (INQAAHE), Association of Quality Assurance Agencies of the Islamic World (AQAAIW),

Talloires Network, The Association of Commonwealth Universities (ACU), International Association of Universities (IAU) and Association to Advance Collegiate Schools of Business (AACSB).

## Significant Collaborations

### Students Exchange/Study Abroad

The International office at Bahria University also places strong emphasis on short term exchange

activities. Bahria University has signed an agreement for exchange of students with Yasar University, Turkey and York St. John University, UK. As per the agreement Bahria University sends up to 4 students each year to study for a semester, free of any tuition fee. Since the signing of the agreements Bahria University has sent 22 students to study on exchange programme to Yasar University & York St. John University. Their names are below:



S.No	Name	Department	Semester
<b>Yasar University, Turkey</b>			
1	Ms. Sadaf Mujeeb	BS (Psychology)	Fall 2012
2	Ms. Marvi Abro	Bs (Social Sciences)	Fall 2012
3	Mr. M. Azeem Chaudhry	BBA	Spring 2013
4	Mr. Aun M. Ghazali	BBA	Spring 2013
5	Mr. Syed M Naqi Hussain	BE (EE)	Fall 2013
6	Ms. Sana Tanveer	MBA	Spring 2014
7	Mr. Saad Naeem	BSE	Fall 2014
8	Ms. Bushra Quddus	MS PM	Spring 2015



9	Ms. Syeda Batool Najam	IPP	Spring 2015
10	Ms. Bushra Zainab	IPP	Spring 2015
11	Ms. Maliha Rehman	BBA	Fall 2015
12	Ms. Tehmina Javed	MBA	Fall 2015
12	Ms. Rimsha Tahir	BBA	Spring 2016
13	Ms. Nazeera Khamisa	BBA	Spring 2016
14	Mr. M. Haris Abbasi	MBA	Fall 2016
15	Ms. Syeda Noorulain	MSPM	Fall 2016
16	Ms. Iqra Sajid	BBA	Spring 2017
17	Ms. Mariam Sajid	BS (CS)	Spring 2017
18	Mr. Bilawal Ali	BS (A&F)	Fall 2017
19	Mr. Malik Afnan Tariq	MBA	Fall 2017
20	Ms. Hira Nadeem Dar	MBA	Spring 2018
21	Mr. M. Owais Saleem	MBA	Spring 2018
<b>York St. John University, UK</b>			
1	Mr. Hafiz. M. Usman Rana	MBA	Fall 2014
2	Ms. Anum Aslam	MBA	Fall 2014
3	Ms. Amina Mahnoor Sohail	BSE	Fall 2014
4	Ms. Salaka Aslam Chaudry	MSPM	Fall 2014
5	Ms. Sarah Rukhsar	MBA	Fall 2015
6	Ms. Anum Shahab	IPP	Fall 2015
7	Ms. Samra Kizilbash	IPP	Fall 2015
8	Ms. Hira Wasif	IPP	Spring 2016
9	Ms. Amna Allauddin	IPP	Spring 2016
10	Mr. Kamran Siddique	M. Phil	Fall 2016
<b>Altinbas University, Turkey</b>			
1	Mr. M. Raza Siddique	BS (CS)	Fall 2017
2	Mr. Shahzeb Adil	MSPM	Spring 2018
3	Ms. Zahra Fatima Shehryar	BS (Psy)	Spring 2018
4	Mr. Shaibzada Hesham	BBA	Spring 2018
5	Mr. Muhammad Jehangir	BBA	Spring 2018
6	Ms. Sheza Nasir	BBA	Spring 2018
7	Ms. Sadia Tariq	BBA	Spring 2018
8	Ms. Hiba Shafqat	BS (Psy)	Spring 2018
<b>Izmir University of Economics, Turkey</b>			
1	Ms. Tahira Murtaza	BS A & F	Fall 2017
2	Ms. Alyza Alkarim	BS (Psy)	Spring 2018
3	Ms. Mehwish	BS (Psy)	Spring 2018
4	Mr. Omer Khan	BS (Psy)	Spring 2018

## Erasmus+ Student Exchange Program

Bahria University in collaboration with Altinbas University, Turkey sent seven students for Spring, 2018 semester exchange program on a full scholarship under the umbrella of Erasmus+. Each student received a total of Euro 3,730/- on tuition fee waiver.



## Erasmus+ Staff and Teaching Mobility Program

Bahria University in collaboration with Altinbas University, Turkey sent five of its faculty and staff on teaching and training basis under the umbrella of Erasmus+ funding. Similarly three faculty members from Altinbas University came to Bahria University on teaching basis in 2018.

## HNMUN & Visit to Valparaiso University 14th – 21st Feb, 2018

Bahria University sent a delegation of 18 students and three BU officials to Harvard National Model United Nations Conference visit to Valparaiso University from 14th – 21st Feb, 2018. The conference was held at Boston Park Plaza where Bahria University represented Kazakhstan, Mauritania and Micronesia.

Two Students from Bahria University Lahore Campus, Mr Johar Raza and Ms Kinza Bashir, were part of the Bahria University's delegation to Harvard National Model United Nations USA. The event was conducted from 15 Feb to 21 Feb 18. This was the first time that students from BULC were part of the delegation. It was a unique experience for the students as they gained international exposure and represented Pakistan on an international forum.







## Workshop by Warwick University, UK

Mr. Zeeshan Riaz from Warwick University, visited Bahria University on 8<sup>th</sup> Feb, 2017 to conduct workshop for students/ faculty who are interested to pursue their PhD program in UK.



## Musical Event by US Embassy – Amikaeyla Jazz Performance

A musical event was organized in collaboration with Face Pakistan at Bahria University Islamabad on 22<sup>nd</sup>

Feb, 2017. One of the famous Jazz Band Amikaeyla performed inside the auditorium of BUIC. The event was a huge success and a lot of students participated during the concert.



## UNIVERSITY OF PLYMOUTH

## MoU signing with University of Plymouth UK

Dr. Tasawar Nawaz, Deputy Head of Accounting & Finance, Programme Manager for Plymouth Business School, University of Plymouth visited Bahria University on 18<sup>th</sup> Jan, 2017. During his visit an MoU and articulation agreement was signed between Bahria University and University of Plymouth. The articulation agreement covers a 2 + 2 and 3 + 1 agreement for the students of Bahria University studying Bachelors of Business Administration.

## Visit by delegation from Brunel University UK

A following member delegation from Brunel University UK, visited Bahria University Islamabad on 29<sup>th</sup> Jan, 2018 to discuss Brunel faculty in BU research groups and to discuss joint summer school programs

**Dr. Sean Holmes Vice Dean International, College of Business, Arts and Social Sciences**

**Mr. Ali Buksh International Marketing Manager**



## Visit by delegation from Beihang University

A delegation from Beihang University visited Bahria University on 13<sup>th</sup> Jan, 2017 head by their Vice Dean International School Dr. Yi Xiao Su. During the visit they met the senior officials of Bahria University and discussed future possibilities of academic collaborations between both the Universities.

## Visit by Dr. Javaid Rehman, Professor, Department of Politics and History, Brunel Law School, UK

Dr. Javaid Rehman from Brunel Law School, Brunel University, UK visited Bahria University on 15<sup>th</sup> Feb, 2017 to discuss future academic collaborations between both the Universities and delivered a guest talk to the students of Law – BUIC on the topic ‘International Human Rights Law.’

## GRE and Fullbright Session

Bahria University in collaboration with USEFP organized a session for the students of Bahria University regarding GRE, Fullbright and TOEFL on 14<sup>th</sup> February, 2017. The session provided the students up to date knowledge regarding Fullbright Scholarship and the pre-requisites required for it.

## Visit by Delegation from US Embassy regarding Entrepreneurship

A delegation from US Embassy visited Bahria University Islamabad to discuss Entrepreneurship speaker sessions by American Experts. This would provide an opportunity for the faculty and students of Bahria University to attend workshops within Campus and outside regarding Entrepreneurship. Following officials visited Bahria University on 23<sup>rd</sup> Feb, 2017:

S.No	Name	Designation
a.	Ms. Kristin Hawkins	Asst. Cultural Affairs Officer
b.	Ms. Mary Harrington	Economic Officer
c.	Ms. Amy Flynn	Economic Assistant
d.	Ms. Natiqa Nadeem	Cultural Affairs Specialist



## Guest Talk by Dr. Zahra Rezaei Lalami, University of Leicester

Dr. Zahra Rezaei Lalami, Actuarial Science, University of Leicester visited Bahria University on 14<sup>th</sup> March, 2017 and delivered a guest talk to the students on the topic 'Actuarial Mathematics.'



## Guest Lecture by Ms. Sumara Khan, Coventry University

Ms. Sumara Khan, Senior Lecturer at Coventry University, UK visited Bahria University on 13<sup>th</sup> April, 2017 to deliver a guest talk to the students on the topic: Employability and Enterprise Skills

## Guest Talk by American Guest Speaker

US Embassy Islamabad invited an American Entrepreneurship speaker Dr. Andrew Scheuermann for a guest speaker session at National Incubation Center Islamabad on 17<sup>th</sup> July, 2017 on the topic 'Finance for Entrepreneurs.' Manager Business Incubation Center along with 10 participants from Bahria University Islamabad took part in the guest talk.

## Guest Talk by Dr. Sander Schroevers

Dr. Sander Schroevers, Amsterdam University of Applied Sciences delivered a guest talk to the students of BUIC on the topic International Communication Skills on 9<sup>th</sup> March, 2017.

## Faculty workshop by Mr. Hartmut Wellerdt – Germany

Mr. Hartmut Wellerdt, University of Bremen, Germany visited all three campuses of BU from 10<sup>th</sup> till 21<sup>st</sup> April, 2017 to deliver a workshop to the faculty and students of BU. The scope of the workshop was as follow:

- Guidance for revision of curriculum of MBA programme with view to make them more relevant to industry.
- Workshops for faculty on activity based learning and innovative teaching pedagogies.
- Workshops for faculty on 'How to write Case Studies.'
- Class activities and guest lectures for students to develop soft skills



## Visit by delegation from Valparaiso University, USA

A following member delegation from Valparaiso University, USA visited Bahria University on 27<sup>th</sup> & 28<sup>th</sup> Nov, 2017 to deliver a guest talk to the students and faculty of BU:

- Dr. David Rowland, Professor of Psychology
- Mr. Erik Froelich, Director International Partnership

## Visit by Cultural Counselor of Jordan Embassy

Cultural Counselor of Jordan Embassy, Mr. Mahmoud Oglah Bani Ata visited Bahria University Islamabad on 25<sup>th</sup> July, 2017. During his visit he met the senior officials of BU. The purpose of the visit was to learn about Bahria University as part of the process of getting BU accredited in Jordan that will make the degree of BU acceptable in Jordan.

## Visit by Prof. Javier Poncela from University of Malaga, Spain

Prof. Javier Poncela, Associate Professor at E.T.S.I Telecommunication, University of Malaga (UMA) visited Bahria University on 25<sup>th</sup> Oct, 2017. During his visit he met the senior officials of Bahria University to discuss academic collaborations between both the Universities. One of the discuss was to be able to get a grant for faculty and staff through Erasmus+ and now Bahria University is amongst the only four Universities of Pakistan who have been able to get a grant for Erasmus+ funding.

## Visit by the Ambassador of the European Union

H.E. Dr. Jean Francois Cautain, Ambassador of the European Union visited Bahria University on 26<sup>th</sup> Oct, 2017. During his visit he met the senior officials of Bahria University and delivered a guest talk to the students on “European Union – An International Perspective.”



## Seminar by Mr. Lars Ojukwu, University of Massachusetts, USA

Mr. Lars Ojukwu, Asst. Marketing Director, University of Massachusetts visited Bahria University Islamabad on 2<sup>nd</sup> March, 2018 to deliver a guest regarding various scholarship opportunities and admission requirements for those students who are interested to pursue their Higher Education in USA.

## Guest Talk by Prof. Ioannis Kokkoris, Queen Mary University of London

Prof. Ioannis Kokkoris, Chair of Law and Economics at the Centre of Commercial Law, Queen Mary University of London, UK delivered a guest talk to the students of Bahria University on the topic ‘Google: A Search Engine that should not search’ on 7<sup>th</sup> March, 2018.





## Visit by Prof. Ashraf Jawaid, University of Bedfordshire, UK

Prof. Ashraf Jawaid, Deputy Vice Chancellor (External Relations), University of Bedfordshire, UK visited Bahria University on 8<sup>th</sup> March, 2018 to discuss various academic collaborations between both the Universities.



## Visit by Delegation from Asian Institute of Technology, Thailand

A delegation from Asian Institute of Technology, Thailand visited Bahria University on 20<sup>th</sup> March, 2018 to discuss various academic collaborations between both the Universities. The delegation comprised of 7 members headed by their President, Prof. Worsak Kanok-Nukulchai

## Hajj 2018

Bahria University sent two of its employees for Hajj from scale 1 – 7 which was fully funded through BU.

## Visit by team from Atlinbas University, Turkey

A following member delegation from Altinbas University, Turkey visited Bahria University Medical and Dental College from 8<sup>th</sup> – 12<sup>th</sup> May, 2018 for a joint research project:

- Dr. Ceren Gedikoglu, Head of Innovation and

research Projects Development

- Dr. Ayca Dogan Mollaoglu, Assistant Professor
- Dr. Feride Severcan, Professor

## Signing of agreement for PhD Studies at Yasar University, Turkey

Bahria University and Yasar University, Turkey have ventured into a new direction of academic collaboration by signing an agreement for PhD studies. Under this agreement the students/ faculty of Bahria University are offered 20% special discount on tuition fee for pursuing PhD studies at Yasar University.

## Bahria University Automania

Bahria University organized an Automania car show on 18<sup>th</sup> March, 2017 in which a diverse array of cars such as exotics, vintage, sports along with jeeps and bikes took part in. The show was enjoyed a lot by the students. Honorable Rector BU also took part in the automania.

## Turkish Education Expo at Bahria University Islamabad

Bahria University in collaboration with AWM organized an education expo of selected Turkish University on 30<sup>th</sup> March, 2017. Following universities participated in the expo:



S.No	Name	City
a.	Yasar University	Izmir
b.	Istanbul Sehir University	Istanbul
c.	Isik University	Sile
d.	Kan University	Istanbul
e.	Istanbul Kemerburgaz University	Istanbul
f.	Izmir University of Economics	Izmir
g.	Yeditepe University	Istanbul

## ABN Overseas Education Expo at Bahria University Islamabad



Bahria University in collaboration with ABN Overseas organized an education expo for the students of Bahria University Islamabad on 20<sup>th</sup> Nov, 2017. Following Universities participated in the education expo:

S.No	Name	Country
a.	University of Bristol	UK
b.	University of Hertfordshire	UK
c.	Queen Mary University	UK
d.	Western Sydney University	Australia
e.	University of New Hampshire	USA
f.	Brunel University	UK
g.	Curtin University	Australia
f.	Colorado State University	USA
g.	Newcastle London Campus	UK
h.	Charles Sturt University	Australia



## Seminar by American Universities

Bahria University in collaboration with United States Education Foundation of Pakistan (USEFP) organized a seminar at Bahria University Islamabad on 10<sup>th</sup> Feb, 2017 for the students. Following Universities participated in the seminar:

S.No	Name	Region
a.	University of Colorado Boulder	Boulder, Colorado
b.	University of Bridgeport	Bridgeport, Connecticut
c.	Arkansas Tech University	Russelville, Arkansas
d.	Depaul University	Chicago, Illinois
e.	Old Dominion University	Norfolk, Virginia
f.	Troy University	Troy, Australia

## Educational Seminar by Turkish Universities

Bahria University in collaboration with AWM Educational Enterprise organized an education seminar for the students and faculty on 5<sup>th</sup> Oct, 2017. Yasar University, Izmir and Istanbul Sehir University, Istanbul took part in the educational seminar.



## Turkish Universities Educational Fair at Bahria University Islamabad

Bahria University in collaboration with AWM Educational Enterprise organized an educational fair by inviting following Turkish Universities on 12<sup>th</sup> April, 2018:

S.No	University Name	City
a.	Istanbul Aydin University	Istanbul
b.	Cyprus Science University	North Cyprus
c.	Okan University	Istanbul
d.	Istanbul Sehir University	Istanbul
e.	Nisantasi University	Istanbul
f.	Cyprus Health & Social Sciences	North Cyprus
g.	Yasar University	Izmir
h.	Izmir University of Economics	Izmir



## Summer School Programs

### International Business Skills

An International summer school program was organized in collaboration with the department of Management Sciences and Leadership Development Center on the topic International Business Skills from 7<sup>th</sup> – 15<sup>th</sup> August, 2017. The program was conducted by Dr. Sander Schroevers from Amsterdam University of Applied Sciences,

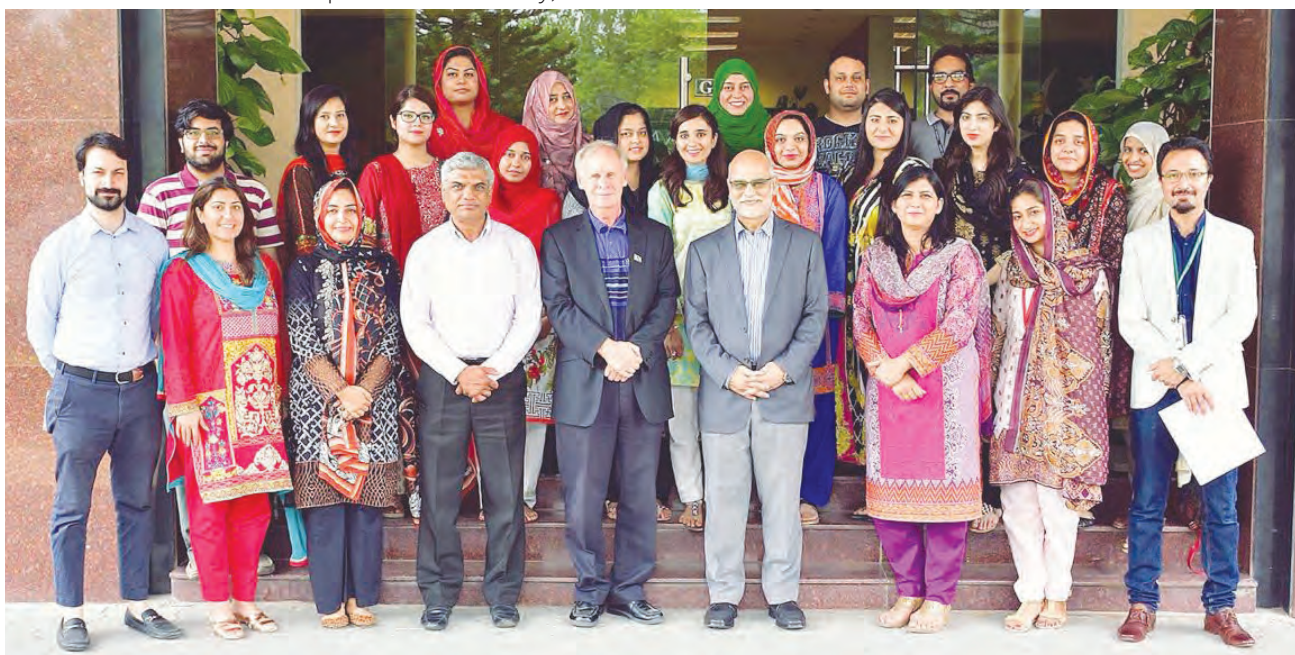
Netherlands. Some of the topics that were covered were International Leadership, Global Negotiating and CPEC Master Class. A total of 25 participants took part in the summer school program. Various dignitaries were also invited through the platform of Career Pakistan for guest talks to participants, Mr. Imran Ashraf, CEO Telenor Global Shared Services, Mr. Khurram Rahat, Manager Director Teradata Pakistan, Dr. Syed Ismail Shah, Chairman PTA and Mr. Ghulam Dastagir Fareed, Chairman CPEC Executive Advisory Committee/KPK. After the summer school program the participants were sent to an excursion to Naran and Kaghan as well.





## Research Data Management in Psychology

Another International summer school program was organized in collaboration with Institute of Professional Psychology, Karachi, Department of Professional Psychology & Leadership Development Center on the topic Research Data Management in Psychology. The program was conducted by Dr. David Rowland from Valparaiso University, USA.



The summer school program took place in Institute of Professional Psychology, Karachi from 7<sup>th</sup> – 11<sup>th</sup> August, 2017 in Bahria University, Islamabad from 15<sup>th</sup> – 19<sup>th</sup> August, 2017. Various subtopics such as designing a research program, interference in linear regression and multiple linear regression, using statistics were covered during the program. A number of social activities were organized for the participants as well like Bowling, Hiking and a movie night.

## Neurochemistry and Psychology of Substance Use and Addiction

Bahria University organized an International Summer school program in collaboration with Institute of Professional Psychology, Karachi, Department of Professional Psychology, BUIC & Leadership Development Center on the topic Neurochemistry and Psychology of Substance Use and Addiction. The program was conducted by Dr. David Rowland from Valparaiso University, USA. The summer school program took place in Institute of Professional Psychology Karachi from 30<sup>th</sup> July – 3<sup>rd</sup> August, 2018 and from 6<sup>th</sup> August – 10<sup>th</sup> August, 2018 in Bahria University, Islamabad. The summer school program covered basic neurochemistry and psychopharmacology related to drug actions, including those that are frequently linked to substance abuse and addictive disorders. Participants were from Graduate, Undergraduate students in psychology and medicine. The summer school program was partially funded through Fulbright.

## Community Wellness

Bahria University organized an International Summer school program in collaboration with Institute of Professional Psychology, Karachi, Department of Professional Psychology, BUIC & Leadership Development Center on the topic Community Wellness: Psychotherapy and Social Change Process.. The program was conducted by Dr. Patricia Omidian, Director Focusing International, USA. The summer school program took place in Bahria University Islamabad on 30<sup>th</sup> July – 3<sup>rd</sup> August, 2018 and from 6<sup>th</sup> – 10<sup>th</sup> August, 2018 at Institute of Professional Psychology.

## International Maritime Law

Bahria University organized an International Summer School program with the department of Law – BUIC on topic 'International Maritime Law.' Dr. Leyla Ates, Prof. of Tax Law, Altinbas University and Dr. Pengfei Zhang, Senior Lecturer, Southampton Solent

University, UK were the main resource person for the summer school program.

## Study Tour Program at Macquarie University, Sydney

Bahria University sent four students for a study tour program at Macquarie University, Sydney from 29<sup>th</sup> July – 13<sup>th</sup> August, 2017. During the study tour various topics like Marketing Project, Strategic Management, Brand Management, Entrepreneurship and new venture management, etc. were taught. Along with academics students had the opportunity to go for Sydney Sight Seeing and Opts company visit.

## Summer Internship Program at Burapha University, Thailand

Bahria University sent two students for an International Internship Program at Burapha University, Thailand from 30<sup>th</sup> July - 24<sup>th</sup> August, 2017. During the internship program the students were able to acquire a unique blend of practical skills that equipped the students with better interpersonal and intra personal skills as well honed their academic skills.

## Summer School Program at Istanbul Aydin University

Bahria University sent two students for an International Summer School program at Istanbul Aydin University on topics 'Digital Marketing & Social Media' & 'International Business' from 29<sup>th</sup> July – 12<sup>th</sup> August, 2017.

## Summer Internship Program at AIMST University, Malaysia

Bahria University sent 5 students for summer internship program at AIMST University, Malaysia from 25<sup>th</sup> June – 19<sup>th</sup> August, 2018. The internship program was a real world experience for the students. Not only had they worked with Malaysian students but also with students from Japan, South Korea, Sri Lanka and Philippines.

## 4<sup>th</sup> International Conference on Higher Education Advances (HEAD' 18), Valencia, Spain

A following member delegation from Bahria University participated in the 4<sup>th</sup> International Conference on Higher Education Advances (HEAD'18), Valencia, Spain from 20<sup>th</sup> – 22<sup>nd</sup> June, 2018:

Name	Designation
Dr. Farooq-e-Azam Cheema	Dean Management & Social Sciences
Dr. Najam-ul-Islam	Dean Engineering Sciences
Dr. Zainab Zadeh	Dean Professional Psychology

The conference was organized by Technical University of Valencia, Spain in collaboration with International Association of Universities. The conference focused on following topics:

- Innovative materials and new tools for teaching
- Teaching learning experiences
- New teaching/ learning theories and models
- Educational strategies

## Sakura Science Exchange Program

Mr. Sohaib Zia, MS Geology and Ms. Anam Sher Janjua, MS Geophysics of E&ES department Islamabad Campus were selected under Sakura Science exchange program organized by Kagoshima University, Japan. This was fully funded program to





study geological, environmental and technological studies of Japan. Both students visited Kagoshima University from 18-27 February 2018. They visited Mount Sakurajima (an active volcano), Kasuga underground mine, Hishikari open pit mines, City's water sanitation plant, geothermal power plant, Solar energy plant, Sengan-en, Kirishima Shrine, volcano during their stay in Japan.



## Royal Saudi Navy visit to Bahria University Karachi Campus

Royal Saudi Navy Officer visited Bahria University Karachi Campus Management Science Department on 25 May 2018. Engr. Farhan Sohail, Asif Rehman,

Prof. Dr. Mustaghis Rahman HoD MS, Commodore Arshad M. Khan SI(M) Director BUKC, & Engr Syed Rizwan Ali Manager BIC gave the briefing about the Bahria University Karachi Campus MS department running Supply Chain & Logistics Program.

A delegation comprising of faculty members of Bahria



University Medical & Dental College (BUMDC) visited turkey from 2<sup>nd</sup> to 6<sup>th</sup> July , 2017 1st May to 7th June, 2015. During their stay they visited the top most ranked universities of turkey including KEMERBURGAZ (ALTINBAS) UNIVERSITY, AYDIN UNIVERSITY and YEDITEPE UNIVERSITY. The purpose of the visit was

to exchange information on the latest development in innovative teaching and learning strategies used by the turkish Universities in the field of Medicine & Dentistry and to collaborate in the field of molecular science research







## MoU signed between Altinbas University and BUMDC

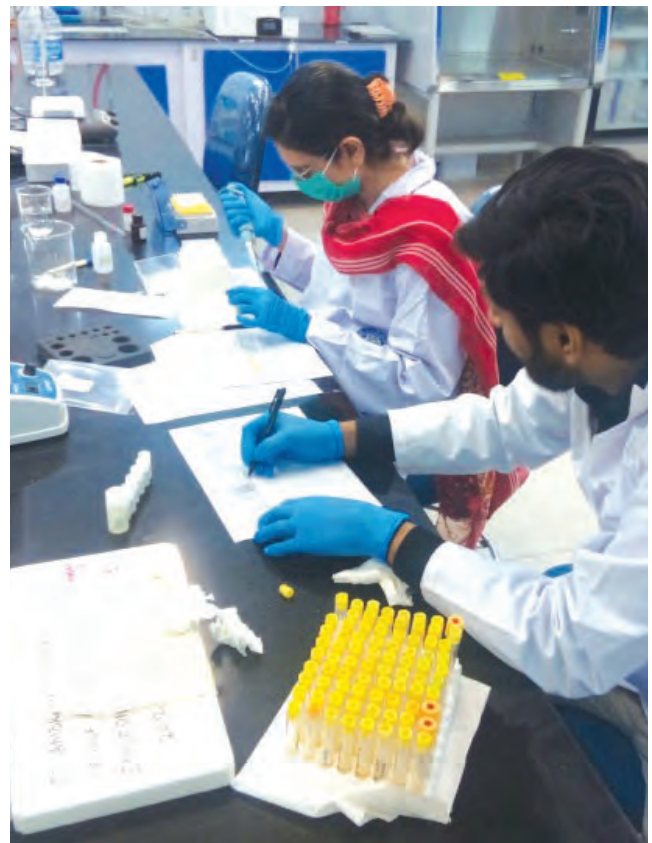
A MoU was signed between BUMDC and Altinbas University in order to establish a framework to facilitate academic and research collaboration between the parties in specific areas and complement efforts in order to strengthen the relationship/ collaboration.





## International Collaboration for Medicinal Plant Research with Institute of Medical Research and Medicinal Plants Studies (IMPM), Cameroon and MultiDisciplinary Research Lab, BUMDC

Dr. Mehreen Lateef, Head of Department MultiDisciplinary Lab discovered and evaluated the medicinal value of various Cameroon plants against Alzheimers disease and peptic Ulcer. She developed and validated various enzyme inhibition assays in her lab and identified these cameron plant isolates as potential candidate for drug development. In this regard, two international impact factor publications are published and research work of two postgraduate students of Cameroon is under process in MDRL lab.







## Harvard National Model United Nations

Two Students from Bahria University Lahore Campus, Mr Johar Raza and Ms Kinza Bashir, were part of the Bahria University's delegation to Harvard National Model United Nations USA. The event was conducted from 15 Feb to 21 Feb 18. This was the first time that students from BULC were part of the delegation. It was a unique experience for the students as they gained international exposure and represented Pakistan on an international forum.





# Chapter 5

## Strengthening & Upgradation





## Strengthening & Upgradation

Strengthening and upgradation of computer laboratories, libraries and academic facilities are essential for achieving excellence in skill set of students. Realizing this, the University has spent huge amount in upgrading and setting up infrastructure and facilities. Details are in the ensuing paragraph.

### Major Works

1. Extension of Library Block at BUKC, amounting to Rs 98 M completed in March 2018. The new building given name of Edhi Block is located in IPP.
2. New Academic Block at BUIC, with a covered area of 116,500 Sft, started in Sep 2016 is near completion.
3. Work on PC-I projects at Karachi started in Sep 2017 for construction of Academic Block in BUKC and a Girls Hostel in the premises of BUM&DC. Work is in full swing and is due for completion in 2019.
4. 101 Kanal land has been acquired in Lahore for construction of new purpose built campus of Bahria University Lahore Campus
5. Work on PC-I project at H-11 Islamabad started in May 2018. Project includes an Academic Block, Allied Facilities Block and a Girls Hostel. Project will be completed in Nov 2019.

### Procurement at BUHO

Procurement of various items at BUHO for an amount of Rs 25.423 million was undertaken which includes G9 Server, Desktops, Laptops, 100 KV Solar System, printing of various books / documents and purchase of vehicles etc.

## Technological Infrastructure

### WIFI

HEC has launched a project of deployment of Wi-Fi Services i.e. Transformation towards Smart Universities under “Smart Universities Project (SUP)”

for the universities/Institutes of the country. BU Islamabad Campus is first campus in Pakistan where HEC through its selected partner provided nearly Wi-Fi blanket coverage across the campus to provide/extend wireless services along with necessary hardware/software, integration and warranty/support services. Under this project latest Cisco Controller Based equipment has been installed with 103 Access Points. Same is being implemented at BU Karachi Campus and Bahria University Medical and Dental College Karachi.

### Computer Labs

Three newly Computer Labs (Programming Lab, System Lab, Network Lab) at Lahore Campus have been established with Latest Core I-5 Desktop system. Each lab has 50 Computers. Two new Labs having 50 and 30 computers capacity has also been established in BU Karachi Campus with latest Core I-7 Desktop system.

## Software Development

### Integration of CMS with ABL

CMS has been integrated with Allied Bank to facilitate the candidates and students to pay their dues electronically through ATMs, Internet banking and SMS banking of Allied Bank.

### CP Fund

CPFUND web-based application is indigenously developed to manage the contributory fund of BU employees. This software is made to assist campuses and head office in handling the employees data w.r.t their CP Fund contribution, University Contribution, Loans disbursement/recovery, Investments, Profit distribution, Transfer and Clearance.

### Career Portal

Career portal has been developed aiming to bridge the gap between placement office, industry and alumni/students. Now any organization can register on the career portal through their respective focal person, afterwards they can post jobs and view the list of all candidates applying for the respective



advertised job(s). On the other hand, only the verified registered alumni/students can apply directly to the jobs/internships posted by the recruiters. The career portal helps to eradicate the delay caused by the manual dissemination of recruiters' job ads to placement office and then to students through different mediums to apply for the jobs.

Mr. Umar Chaudhry held a meeting with Corvit representative Mr. Abdul Waheed and Mr. Zeeshan. Corvit is an organization helping enterprise design, build and maintain customized, innovative, reliable and cost-effective communication solutions. They have partnerships with top IT brands like Cisco, Huawei, Microsoft, VMware, Aruba (HPE), Schneideretc.

## Meeting with CORVIT

Director LDC Khalid Mumtaz and Manager LDC

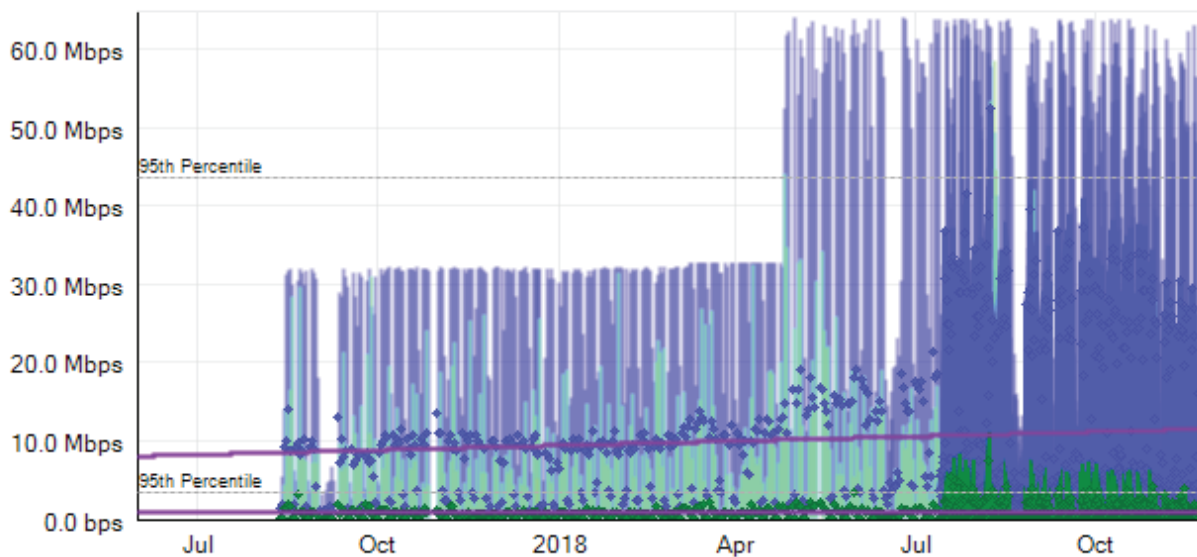
The core purpose of the meeting was to explore area of mutual collaboration that can benefit Bahria University Students especially in IT field. In the initial



### BUMDC KHI - GigabitEthernet0/1.20 - For Internet-Service

Min/Max/Average bps of Recv 64.0 Mbps Xmit 64.0 Mbps  
6/1/2017 12:00:00 AM~11/22/2018 11:59:59 PM

■ Min/Max Receive bps ■ Min/Max Transmit bps ■ Average Receive bps ■ Average Transmit bps ■ Trend



2017

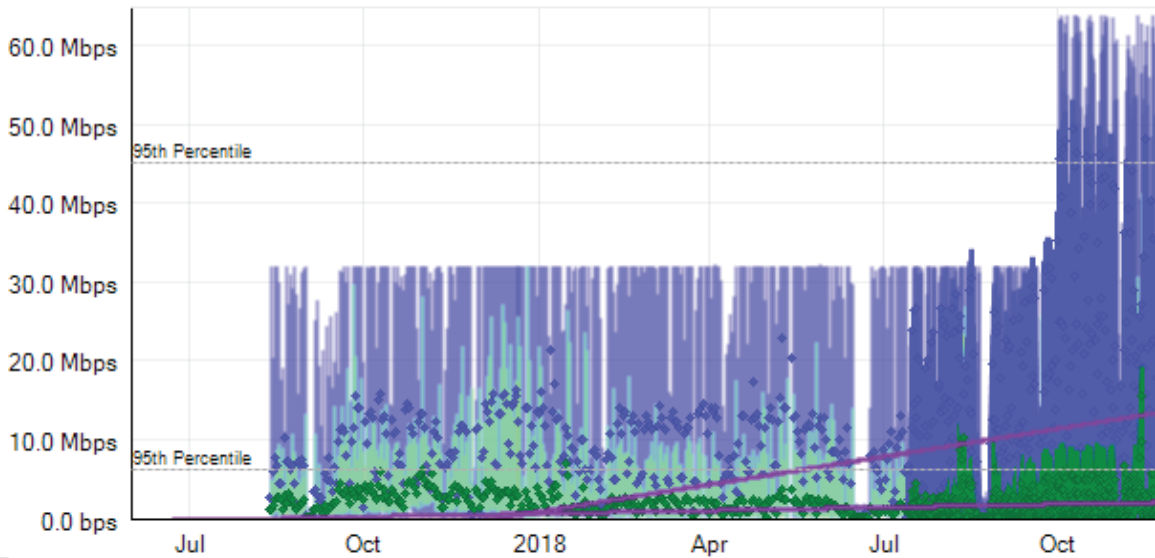
95th Percentile: Average Receive bps is 43.6015 Mbps, Average Transmit bps is 3.4469 Mbps  
SolarWinds Orion Core Services 2017.1

round of meeting current & potential avenues for technical collaboration and training have been discussed.

### BU LHR - GigabitEthernet0/1.20 - [LHR-BU-Internet-Service]

Min/Max/Average bps of Recv 64.0 Mbps Xmit 64.0 Mbps  
6/1/2017 12:00:00 AM~11/22/2018 11:59:59 PM

Min/Max Receive bps Min/Max Transmit bps Average Receive bps Average Transmit bps Trend



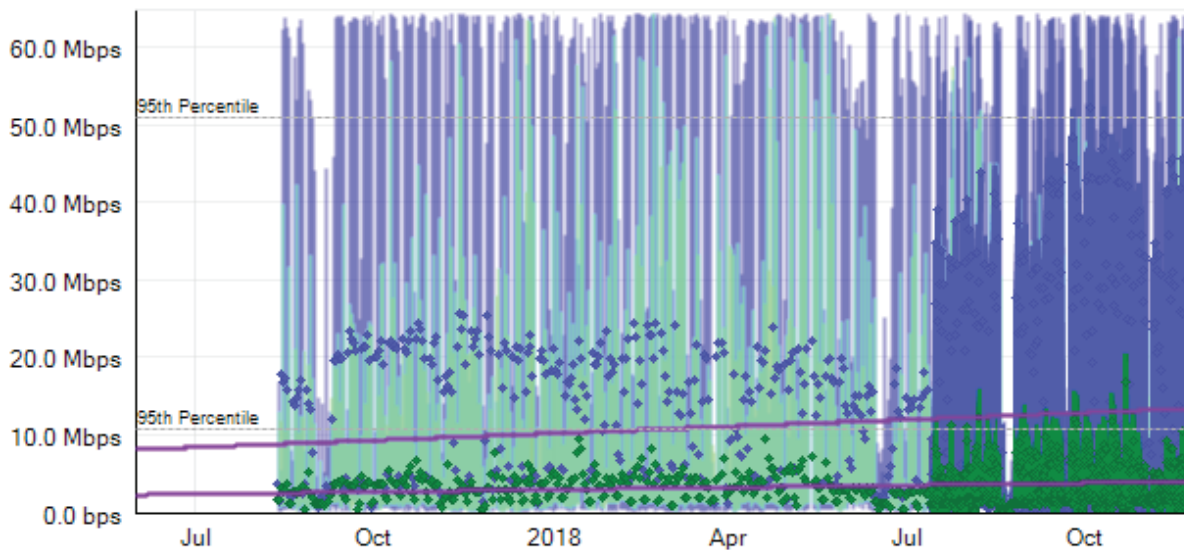
2017

95th Percentile: Average Receive bps is 45.0969 Mbps, Average Transmit bps is 6.2661 Mbps  
SolarWinds Orion Core Services 2017.1

### BU Khi - GigabitEthernet0/1 - Bandwidth is configured on main Interface

Min/Max/Average bps of Recv 64.0 Mbps Xmit 64.0 Mbps  
6/1/2017 12:00:00 AM~11/22/2018 11:59:59 PM

Min/Max Receive bps Min/Max Transmit bps Average Receive bps Average Transmit bps Trend



2017

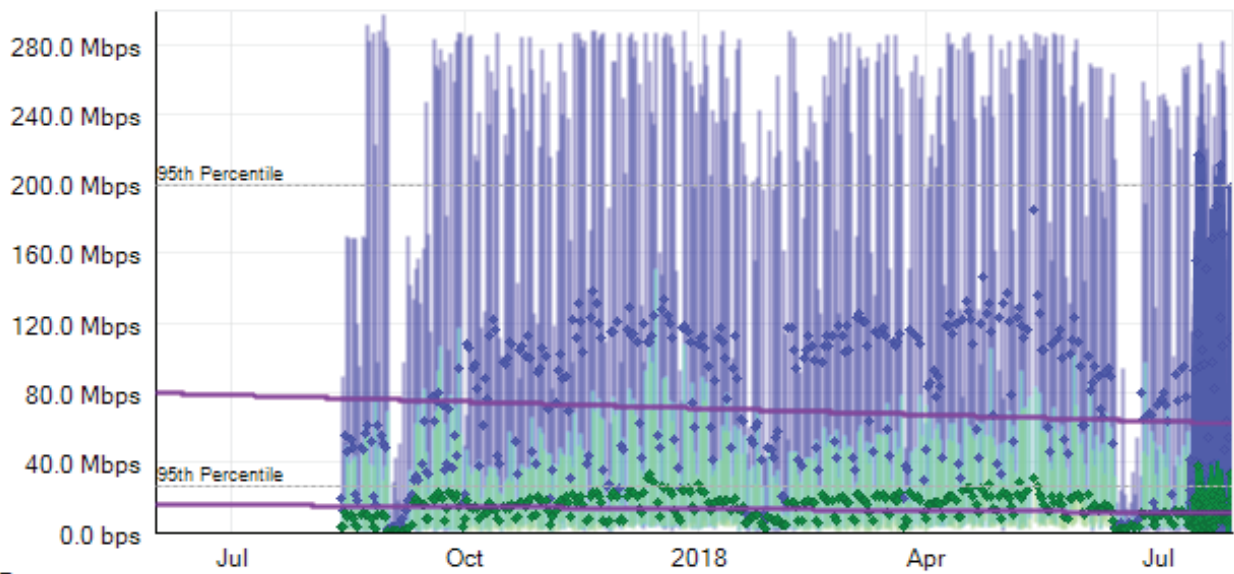
95th Percentile: Average Receive bps is 50.8472 Mbps, Average Transmit bps is 10.7629 Mbps  
SolarWinds Orion Core Services 2017.1



### BU ISB - GigabitEthernet1/0/0.20 - For Internet-Service

Min/Max/Average bps of Recv 286.0 Mbps Xmit 286.0 Mbps  
6/1/2017 12:00:00 AM~7/30/2018 11:59:59 PM

■ Min/Max Receive bps ■ Min/Max Transmit bps ▲ Average Receive bps ▲ Average Transmit bps — Trend



2017

95th Percentile: Average Receive bps is 199.1526 Mbps, Average Transmit bps is 26.7508 Mbps  
SolarWinds Orion Core Services 2017.1



# Bahria University website statistics

Bahria University Official  
All Web Site Data

[GO TO REPORT](#)

## Audience Overview

All Users  
100.00% Users

Jan 1, 2017 - Dec 31, 2017

### Overview

Users  
200,000



Users

862,109

New Users

836,847

Sessions

1,979,337

Number of Sessions per User

2.30

Pageviews

6,043,222

Pages / Session

3.05

Avg. Session Duration

00:03:22

Bounce Rate

45.68%

New Visitor Returning Visitor



Country	Users	% Users
1. Pakistan	811,953	93.15%
2. United States	12,810	1.47%
3. Saudi Arabia	7,393	0.85%
4. United Arab Emirates	5,084	0.58%
5. United Kingdom	5,009	0.57%
6. (not set)	3,979	0.46%
7. India	3,642	0.42%
8. Canada	1,726	0.20%
9. Germany	1,476	0.17%
10. Australia	1,206	0.14%

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**Audience Overview**

All Users  
100.00% Users

Jan 1, 2018 - Nov 20, 2018

**Overview**

Users

200,000



Users

788,167

New Users

755,797

Sessions

1,926,297

Number of Sessions per User

2.44

Pageviews

6,235,705

Pages / Session

3.24

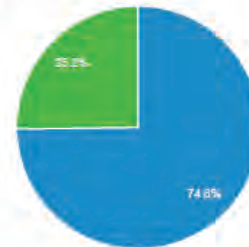
Avg. Session Duration

00:03:16

Bounce Rate

44.84%

New Visitor Returning Visitor



Country	Users	% Users
1. Pakistan	739,708	93.13%
2. United States	13,456	1.69%
3. Saudi Arabia	6,024	0.76%
4. United Arab Emirates	4,800	0.60%
5. United Kingdom	3,837	0.48%
6. India	3,625	0.46%
7. (not set)	2,142	0.27%
8. Canada	1,593	0.20%
9. Germany	1,376	0.17%
10. Taiwan	1,248	0.16%

## Development of Kinesiology and Medical Physics Lab

Labs play a vital role in skills learning of the students by conduction the various experiments. Labs help to



determine the result achieved through a scientific process. Realizing this, the University has spent a huge amount in upgrading and setting up new Labs. For the training of DPT students ,Kinesiology and Medical Physics Lab were developed with installation of latest equipment.



## Inauguration of Histopathology and Pharmacology Unit of MultiDisciplinary Research Lab

Honorable Rector Vice Admiral (Retd) Muhammad Shafiq Hi (M) inaugurated the two new units of

MultiDisciplinary Research Lab on 20<sup>th</sup> July, 2018 including Histopathology and Pharmacology units compulsory for the postgraduate programs. Dr. Mehreenbreifed about the facilities developed at this unit including all hematological, biochemical and histopathological parameters. The Honorable Rector was the first one who have given his blood and got its hematological report within 3 minutes by the latest hematological analyzer.











IBNE KHULDUN  
AUDITORIUM

# Chapter 6

## Faculty Development





## Faculty Development

Bahria University (BU) places strong emphasis on the development of its faculty. BU has established the directorate for training and development titled Leadership Development Center (LDC). LDC comprises of two wings and one Program:



1. Faculty Development Academy (FDA)
2. Professional Development Center (PDC)
3. Student Grooming Program

The Faculty Development Academy's mandate is to provide training courses on soft and hard skills for faculty in areas like proposal writing, submission, research activities, solicitation of research projects, innovative teaching methodologies, use of software etc. Further, opportunities are being created for the faculty of Bahria University in collaboration with the outside industry and HEC in areas like Best Teaching Practices, Micro Teaching, Heuristic Method of Teaching etc.

The mandate of Professional Development Center is to establish industry database for future cooperation on various projects, collate the faculty expert area database for enhancing and utilizing internal strengths, holding workshops, conducting short duration professional trainings and workshops and organizing short term certificate and diploma programs for market professionals.

Leadership Development Center has also been entrusted with the responsibility of implementing Student Grooming Program at Campus level for all students with a special emphasis on Graduating Students. The Program is tailored to develop and hone employability and life skill in eight key areas.

BU is a growing institution and to keep up with the requirements of its expansion new faculty is being added constantly on semester basis. To keep these newly inducted faculty members abreast with latest innovation in teaching pedagogies and to acclimatize them in BU environment LDC regularly organizes Faculty Orientation and Training Program (FOTP).

The details of some of the Professional training and workshops conducted are as under:

### Training on “Innovative Teaching Pedagogies” BY Dr. Patricia A. Omidian

As part of continuous enrichment of in-house human capital and faculty development Leadership Development Center organized Workshop on “Innovative Teaching Pedagogies”. The workshop was facilitated by Dr. Patricia A. Omidian. The workshop primarily focused on creating a congenial and conducive learning ecology and the evolution of learning process.



### Three days in-house free awareness session on “How to Learn Chinese”

Bahria University Karachi Campus has arranged an in-house free awareness session on “How to Learn Chinese” for all BUKC Faculty Member's, Employees on 28-30 August 2017. At Lecture Hall LT-2 Room, Iqbal Block. This training will be conducted by Engr. Dr. Ghulam Muhammad (Chinese Language Expert)





## Two days Faculty Development Workshop on “Andragoical Skills (Microteaching) Cycle I & II at BULC

Bahria University Lahore Campus was successfully conducted two days Faculty Development Program (FDP), workshop on “Andragoical Skills (Microteaching) Cycle I & II”. it was held at BULC, Johar Town, Lahore

This training was conduct by Engr.Syed Rizwan Ali, Manager BIC-BUKC & (HEC Certified Master Trainer on 12th & 13th Sep 2017



## “Intellectual Property Organization - Ipo”

Bahria University Karachi Campus organized one day seminar on 13 Nov 2017 about “INTELLECTUAL PROPERTY ORGANIZATION IPO” at Conference Room, Quaid Block, By Dr. Sheikh Zahoor Sarwar (IP Expert)

Awareness session on Intellectual Property, Patenting and Commercialization among the faculty members of BUKC with the sole aim of indulging them for protecting their Intellectual Property which emerges out from their research and innovation endeavors.



## Bahria University Karachi Campus organized two days Faculty Development Program on “Micro Teaching Cycle I & II” for Newly Inducted Faculty of 24 & 25 Jan 2018

Bahria University Karachi Campus organized two days Faculty Development Program on “Micro Teaching Cycle I & II” for Newly Inducted Faculty, conducted by HEC certified Master Trainers, approximately 18 faculty members participated.



## UNIDO Expert Training on “Financing for Energy Efficiency and Renewable Energy Technology based projects in Industry”

Bahria University Karachi Electrical Engineering Department organized (UNIDO) Expert Training on “Financing for Energy Efficiency and Renewable Energy Technology based projects in Industry” at Fatima Jinnah Hall The United Nations Industrial Development Organization (UNIDO) has initiated such a wonderful liaison academia with industry to building indigenous (human and/or universities) capacity to enhance the industrialization process of Pakistan in a sustainable way.



## Advanced International Faculty Professional Development Program

Manger BIC Bahria University Karachi Campus is selected and attended for 8 days International

Training Program “Good Governance Strategies for Organizational Excellence” for Faculty at Tusside, Gebze, Turkey. Program will be organized in collaboration with the Council of Higher Education, Turkey and Higher Education Commission of Pakistan.



## Signing MOU With Institute of Rural Management (IRM)

Director Leadership Development Center Khalid Mumtaz was invited to IRM (Institute of Rural Management) on 10-7-2018. The agenda of meeting was to discuss the possibility for mutual Collaboration between Bahria University & IRM.

IRM is responsible for building the capacity of development professional & Communities across Pakistan, as well as working with most UN agencies like USAID & DFID.

Bahria University and IRM has signed a broad MOU for training and consulting. The MOU is to provide a framework for collaboration between the two institutions. The main Purpose of this MOU is to develop educational collaboration and promote friendly relations between the two institutions. Both institutions have undertaken to promote and develop cooperation with in the areas of teaching, research projects, internship program, Post Graduate Diplomas, Training and Networking.





## Signing MOU With National Business Education Accreditation Council (NBEAC)

Bahria University Islamabad and NBEAC (T&D wing) have signed an MOU. The main purpose of this MOU is to express the willingness of both parties to engage in an effort to promote “Development Program”

for business school and faculty members. These programs are targeted at specific areas within the business school that require attention for institutional and faculty development. Through this collaboration with the NBEAC, LDC aims to work for capacity building of the Bahria Business School and faculty member as per NBEAC standards. The development program covers a variety of trainings/ workshops in the areas of business.







## Training Need Assessment and Skill Development Session

Leadership Development Center in collaboration with IRM conducted a session on Training Need Assessment and Skill Development for the students of Bahria University. The session was attended by representatives from industry, IRM, HoDs from BUIC and Class Representatives of undergrad programs.

The objectives of this said session are:

- Understand the skillset required for surviving in the industry.
- Appreciation of industry perspective in relation to contemporary business issues.
- Improving the Talent Development practices.

## Workshop on 7 Habits of Highly Effective People

On 21 Aug 17, Bahria University Lahore Campus organized a three-day workshop for faculty and staff on Stephen Covey's famous book "7 Habits of Highly Effective People". Cdre Naveed Ahmed SI(M) (Retd.) was invited as the resource person. The subject was focused on how we can implement principle of decision making in our life to achieve desired goals. The workshop was interactive and very informative. Faculty and staff benefited from the useful insights provided by the trainer on the subject.



## Faculty Orientation Training Program

Leadership Development Center at BULC organized a Three-Day Faculty Orientation Training Programme (FOTP) for newly inducted faculty. On day 1, (11 Sep 17), faculty were introduced to different departments at BULC and were given a briefing on the facilities available for faculty and BU policies they should adhere to at BULC. On Day 2, (12 Sep 17). Engr. Syed Rizwan Ali, Manager BIC BUKC, conducted the session on Micro Teaching. It was an interactive and informative session for the new faculty inducted at BULC. On Day 3, (13 Sep 17), faculty gave mock presentations on relevant topics and were evaluated by the trainer. On Day 4, (14 Sep 17), Prof. Dr. Tamim Khan shed light on Learning Outcomes of Academic Programmes.





### 3 Day Training on publishing in High Impact Journals

LDC in collaboration with The United States Educational Foundation in Pakistan (USEFP) under the umbrella of Fellowship Program invited Dr. Caven S. Mcloughlin for Lectures at Bahria University.

Dr. Mcloughlin delivered lectures about “Polishing Your Article for Submission to a High Impact, English-Language, International Journal” on 22nd, 23rd and 24th October, 2018. Dr. Mcloughlin discussed in detail the publishing requirement and the mindset of the editors of top tier journals. He explained the process of evaluation employed by the editorial staff of high impact journals prior to the scrutinization of peer review or blind peer review.



### Institute of Policy Studies and Department of Law, Bahria University

Memorandum of Understanding (MoU) is signed on Friday March 9, 2018 between the Institute of Policy Studies (IPS), Islamabad and Department of Law, Bahria University, Islamabad for entering into

a formal arrangement for the publication of the selected papers presented in National Conference on International Humanitarian Law 2018 to be held on 26-27 September 2018 under the auspices of Bahria University Islamabad and International Committee of the Red Cross (ICRC), in IPS flagship journal Policy Perspectives. Director General IPS Mr. Khalid Rehman and Ms. Maliika Farah Deeba Head, Department of Law signed the MoU.



## Law Moot Competition

The moot team of Law Department, BUIC comprising of Mr. Zmarak Khan, Ms. Laiba Amjad and Ms. Hira Luqman participated in the 5th Annual National Law Moot Competition at the Pakistan College of Law, Lahore from 09-10 March 2018. There were total 14 teams from all over Pakistan who were competing with each other. This year the moot problem (case study) was based on International Humanitarian Law and International Criminal Law. This moot competition was partly sponsored by the International Committee of the Red Cross (ICRC).

Team Bahria stood runner ups in the 5th PCL annual moot court competition and brought home the runner up trophy with them. The department is so proud of the team.



## Participation of Bahria University Medical and Dental College in 6th AEME (Association of Excellence in Medical Education) CONFERENCE:

The 6th AEME (Association of Excellence in Medical Education) Conference was held in collaboration with Aga Khan University and Jinnah Sindh Medical University Karachi, from March 03rd-05th, 2017 in Karachi. A total of 47 preconference workshops were conducted in various medical and dental institutes of Karachi out of which 3 workshops were held at Bahria University Medical and Dental College The Department of Medical Education,

The first workshop was conducted by Prof. Dr. Ayesha Irshad Mian, Associate Professor & Chair, Department of Psychiatry, Aga Khan University Hospital, on “Innovations in Teaching: Social Media, Classroom and iGeneration”.

Dr. Shafaq Sultana, Senior Lecturer, Department of Medical Education, BUMDC conducted workshop on “Work-place Based Assessment” and the third workshop was conducted by Dr. Mujtaba Farooq Rana and Dr. Syed Wajid Abbas from Taif University Saudi Arabia on “Team Based learning – The Chicago Model”. A total of 33 faculty members from basic and clinical sciences and dental section participated in these workshops.

Dr. Sara Shakil, Senior Lecturer, Department of Medical Education, conducted preconference workshop on “Integrating Professionalism into Undergraduate Medical Curriculum” at AKUH. She also made an oral presentation on “A way forward for teaching and learning of Physiology: Students’ perception of the effectiveness of teaching methodologies at Jinnah Sindh Medical University”

Dr. Kiran Fatima Mehboob Ali, Senior Lecturer from Department of Oral Medicine, made an oral presentation on “Effects of Learning Approaches on Academic Performance among Juniors and Seniors Dental Students of Bahria Dental College” at AKUH.

## Workshop on Distraction Osteogenesis by Oral & Maxillofacial Surgery Department, BUMDC

A workshop was organized at Bahria University Medical & Dental College to impart knowledge and education regarding Distraction Osteogenesis – an advanced procedure, to allow new bone formation between the surfaces of osteotomized bone segments that are separated gradually by incremental traction. The workshop comprised of lectures and hands-on sessions. Dr. Nazeer Khan, Dr. Muslim Khan, Surg. Cdre. Dr. Nasir Jamal and Prof. Dr. Wahab Kadri, Principal, BUMDC, Dr. Christophe Sproll, Consultant Maxillofacial and Plastic Surgery, University of Düsseldorf and Prof. Syed Mahmood Haider, President PAOMS also graced the occasion with their presence.



## Faculty Development Programs at BUMDC Karachi

Trained and competent faculty is the pride of every institution. BUMDC places strong emphasis on the development of its faculty and staff members. A department of medical education has been established to look after the activities for this purpose. The mandate of the department is to formalize the process of faculty development activities at all the

constituent units of the University. A policy mechanism in this regard has been formulated that prepares semester wise calendar of training/ workshops for the faculty of BUMDC. Furthermore, opportunities are being created for the faculty at BUMDC to attend trainings at foreign institutes. Details regarding the activities organized under the umbrella of Faculty Development at Bahria University are mentioned in the below mentioned table.

## Faculty Development Programs

S.No	Title	Date of Conduction	Target Audience	Facilitator
1	PBL Process Workshop	19th July 2017	Medical faculty members (42 participants)	Dr. Talea Hoor Dr. Shafaq Sultana Dr. Sara Shakil
2	Construction of one-best MCQs Workshop	8th August 2017	Dental Faculty members (13 participants)	Dr. Talea Hoor Dr. Shafaq Sultana Dr. Sara Shakil
3	How to construct problem based learning cases	10th August 2017	Medical faculty members (30 participants)	Dr. Shafaq Sultana Dr. Sara Shakil
4	How to construct SMART Learning Objectives	15th June 2017	Dental Faculty members (19 participants)	Dr. Talea Hoor Dr. Shafaq Sultana Dr. Sara Shakil
5	Short Lecture on How to publish an article in an impact facture journal	20th June 2017	Medical and Dental faculty members	Representatives from British Medical Journal
6	How to construct SMART Learning Objectives	15th June 2017	Dental Faculty members (19 participants)	Dr. Talea Hoor Dr. Shafaq Sultana Dr. Sara Shakil
7	Short Lecture on How to publish an article in an impact facture journal	20th June 2017	Medical and Dental faculty members	Representatives from British Medical Journal
8	PBL Process Workshop	19th July 2017	Medical faculty members (42 participants)	Dr. Talea Hoor Dr. Shafaq Sultana Dr. Sara Shakil
9	Construction of one-best MCQs Workshop	8th August 2017	Dental Faculty members (13 participants)	Dr. Talea Hoor Dr. Shafaq Sultana Dr. Sara Shakil
10	How to construct problem based learning cases	10th August 2017	Medical faculty members (30 participants)	Dr. Shafaq Sultana Dr. Sara Shakil

11	CME Seminar on Recent Advances in the Rapid Diagnosis of Meningitis and Encephalitis	18th September 2017	Medical and Dental faculty members	Dr. Kausar Jabeen Associate Professor, Section of Microbiology, Dept. of Pathology & Lab. Medicine, AKUH
12	Workshop on Communication Skills	19th September 2017	Medical and Dental faculty members	Dr. Syed Aziz Rab Chief Executive Officer, Greenstar
13	Innovate and integrate: .move towards mastery in dentistry	26th September 2017	Dental students and Dental faculty members	Prof. mervyn hussain Prof nighat huda Associate prof najeeb saad Prof arshad Hassan Prof kefi iqbal Prof amina sheikh Prof syed ghazanfar Hassan taqvi
14	CDE fundamentals of crown preparation. Tips and techniques	27th September 2017	Dental students and Dental faculty members	Dr Sameer qureshi Fatima Jinnah dental college
15	Short Lecture on How to publish an article in an impact factor journal	16th October 2017	Medical and Dental faculty members	Representatives from British Medical Journal
16	Workshop on how to write smart learning objectives	30th October 2017	MPHIL candidates	Dr. Talea Hoor Dr. Shafaq Sultana Dr. Sara Shakil
17	One day seminar on intellectual property and patenting and commercialization	14th Nov 17	Medical and Dental faculty members and mphil students.	Dr. Sheikh Zahoor Zarwar Bahria university ISLAMABAD
18	CME Seminar on Trauma Management (in collaboration with Department of Surgery BUMDC)	24th January 2018	4th & final year MBBS, 3rd Year BDS, PG Registrars and MPHil Students	Prof. Saeed Quraishy, Vice Chancellor Dow University of Health Sciences and Project Director Trauma Centre Civil Hospital Karachi Dr. Manzoor Hussain, Professor of Urology, Sindh Institute of Urology and Transplant Prof. Naheed Sultan, Professor Department of Surgery, BUMDC



19	CME Workshop on Principles of Adult Learning and how to write Learning Objectives	1st February 2018	16 newly inducted faculty members from Medical and Dental Section PG Registrars and MPhil Students	Faculty members of DME (BUMDC) Dr. Talea Hoor Dr. Shafaq Sultana Dr. Sara Shakil
20	Workshop on Basic Life Support	7th February 2018	final year MBBS students	Prof. Younus Khatri (MBBS, FCPS) Professor &
21	CME Workshop on PBL Process	8th February 2018	Dental Faculty	Faculty members of DME (BUMDC)  Dr. Talea Hoor Dr. Shafaq Sultana Dr. Sara Shakil
22	CME Seminar on "Diabetes and its management (in collaboration with Department of Medicine BUMDC)	8th February 2018	Final year MBBS and 3rd Year BDS	Prof. Dr. Sajid Abbas Jaffri, Dr. Zehra Akhtar, Senior Registrar, Department of Medicine Mr. Jhon Francis
23	Preconference workshop "Intrapatum fetal surveillance (in collaboration with Department Obs/Gynae BUMDC)	13th February 2018	Final Year MBBS (group posted in Gynae & Obs rotation). House Officers and PG registrars from JSMU, UMDC.	Prof. Khalida Nasreen Abdullah TI(M) HOD of Obst and Gynae Prof. Dr. Razia Korejo Prof Atiya Fasih Assist Prof. Dr. Aini Samreen Kanwal
24	CME Lecture by AKUH on Blood Culture Efficiency in the Diagnosis of Infectious Diseases	15th February 2018	All faculty members from medical, dental and BUCPT, PG Registrars and MPhil Students	Dr. Mohammad Zeeshan (Assistant Professor, Section of Microbiology Pathology & Laboratory Medicine, AKUH)
25	CME Workshop on Mentoring	7th March 2018	All faculty members from medical, dental and BUCPT and MPhil Students	Faculty members of DME (BUMDC) Dr. Talea Hoor Dr. Shafaq Sultana Dr. Sara Shakil
26	CME Workshop on "Critical Appraisal of a Journal Article"	14th March 2018	All faculty members from medical, dental and BUCPT and MPhil Students	Surg.Lt.Cdr Dr. Farooq Rathore Consultant and HOD, Department of Rehabilitation Medicine, PNS SHIFA
27	Pre Conference Workshop on "Manuscript Writing, Ethics and Publishing Guidelines"	3rd April 2018	All faculty members from medical, dental and BUCPT and MPhil Students	Prof. Shazia Shakoor

28	CME Workshop on “ MCQ Writing.	3rd May 2018	All faculty members from medical, dental and BUCPT and MPhil Students	Faculty members of DME (BUMDC) 1. Dr. Talea Hoor 2. Dr. Shafaq Sultana 3. Dr. Sara Shakil
29	CME workshop on surveying and designing cast partial dentures.	3rd May2018	Dental Faculty	Dr Wahab Kadri Dr Saman Hakeem Dr Asim Monpuri
30	CME workshop on how to construct PBL cases	10th July 2018	All faculty members from medical, dental section	Faculty members of DME (BUMDC) 1. Dr. Talea Hoor 2. Dr. Shafaq Sultana 3. Dr. Sara Shakil
31	CME workshop on quality assurance in assessment (interpretation of item analysis	19th July 2018	All senior faculty members from medical, dental and BUCPT and post graduate M Phil students and registrars	Dr. Mukhtiar Baig MBBS, MPhil, Ph.D., MHPE Professor of Clinical Biochemistry, Medical Educationists and Deputy Chair Assessment Unit, Faculty of Medicine, Rabigh, King Abdulaziz University, Jeddah, Saudi Arabia.
32	CME workshop on TOS and Blue print	9th August 2018	All faculty members from medical, dental and BUCPT and MPhil Students	Dr. Mukhtiar Baig MBBS, MPhil, Ph.D., MHPE Professor of Clinical Biochemistry, Medical Educationists and Deputy Chair Assessment Unit, Faculty of Medicine, Rabigh, King Abdulaziz University, Jeddah, Saudi Arabia



33	Writing Research Proposals & Current Clinical Research Adhesives”	15th August 2018	All faculty members (Medical, Dental, DPT, MLT), students of final year BDS and House Officers (Dental Section)	Dr. Umer Dawood (International Medical University, Malaysia) Dr. Muhammad Zakir (PhD, Dental School Hongkong University, Hongkong)
34	Biological risk assessment. Management and prevention	12th September 2018	All faculty members from medical, dental and BUCPT and MPhil Students	Professor Dr Shams Ul Arfin Qasmi Microbiologist KIMS Karachi General Secretary PBSA Dr Faisal Hanif Consultant Microbiologist PNS Shifa Dr Aneeta Hotwani Microbiologist Agha Khan University Dr Furqan Associate Professor NICH Karachi
35	How to Write Learning Objectives	18th October 2018	Newly inducted faculty members (Medical, Dental section & BUCPT) and MPhil Batch- 2 Candidates.	Faculty members of DME (BUMDC) 1. Dr. Talea Hoor 2. Dr. Shafaq Sultana 3. Dr. Sara Shakil



# Chapter 7

## Access





## Access

Bahria University since its inception, has tried its utmost to make quality education accessible to all students in Pakistan, including those from low and middle-income background. Bahria University scholarship policy has been framed with same objective to assist students with their educational expenses. The university aims to provide equal opportunities to all students in attaining their goals/targets regardless of their financial positions. Every year, the university allocates funds from its own resources in its budget exclusively for awarding scholarship. In FY 2017-18, an amount of Rs. 56.10 Million including HEC Need based budget has been disbursed among eligible and deserving students. The university offers various scholarships schemes including:

- Advance Merit Scholarship for board toppers
- AMS for new entrants based on entry test results
- AMS for outstanding performance in CIE's system
- Exemption of Admission fee for BU Alumni (PG Program MS/MPhil/PHD)
- AMS to high academic achievers in MS/

### MPhil& PHD Programs

- Merit Scholarship for batch toppers in University Examination
- Financial Assistance Scholarship & Indigent Scholarship (Not active from Fall-2016 intake)
- Qarz-e-Hasna
- Merit Scholarship for BUM & DC toppers from university own resources
- Merit Scholarship and all external scholarships for Doctoral of Physical Therapy (BUMDC)

Student Study Loan facility provides monetary support to a newly inducted student whose academic progress is impeded by the lack of financial resources to pay the fee(s). It is an interest-free loan which can be availed by the students of all degree programs except MBBS and BDS, though the preference shall be given to UG students. A student can apply for the loan after securing admission and getting the fee voucher. A student (only 1st semester intake) can request for the loan against the total 1st semester fee. During FY 2017-18 an amount of Rs. 6.02 million distributed under SSL.

## Summary of Merit Scholarship

S. No	Fall 2017 Merit Scholarship based on Spring 2017			Spring 2018 Merit Scholarship based on Fall 2017	
	Campus	Total No. of Students	Total Scholarship Amount (in Millions)	Total No. of Students	Total Scholarship Amount (in Millions)
1	Islamabad	165	5.31	196	6.09
2	Karachi	70	1.99	74	2.18
3	IPP	19	0.49	30	1.18
4	Lahore	24	0.54	26	0.62



Grand Total	278	8.33	326	10.07
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## Overall summary of BU Sponsored Scholarship

S.No	Scholarship Program	No of Scholarships	Amount in Million (Rs)
1	Advance Merit Scholarship	239	6.26
2	Merit Scholarship	585	19.69
3	Financial Assistance Scholarship	136	2.858
4	Indigent Scholarship	12	0.288
5	BU Qarz e Hasna	416	14.18
<b>Grand Total</b>		<b>1,388</b>	<b>43.276</b>

## Summary of All Scholarships Received from External Stakeholders

S. No	Scholarship Program	No of Scholarships	Amount in Million (Rs)
1	HEC Need Based	135	12.69
2	Punjab Education Endowment Fund (PEEF)	261	32.26
3	HEC-Provision of Higher Education opportunities for the students of Baluchistan & FATA	5	0.538
4	HEC-Prime Minister Fee Reimbursement Scheme for less developed areas of Pakistan (selected regions) PhD Only	1	0.093
5	National ICT R&D Fund- Ministry of IT, Pakistan	21	3.229
6	Workers Welfare Boards	0	0
7	HEC Indigenous 5000 Fellowship Program	3	1.049
8	Frontier Education Foundation Scholarship for KPK	10	1.0
9	International Committee of Red Cross	10	1.17
<b>Grand Total</b>		<b>446</b>	<b>52.029</b>

## Merit Scholarship for BUMDC (Karachi)

Campus	MBBS		BDS	
	Number	Amount (Million)	Number	Amount (Million)
BUMDC Karachi	13	1.0	06	0.53
Grand Total for FY 2017-18	19		1.53	

## New Scholarship Policy for the Wards of Naval Shuhda

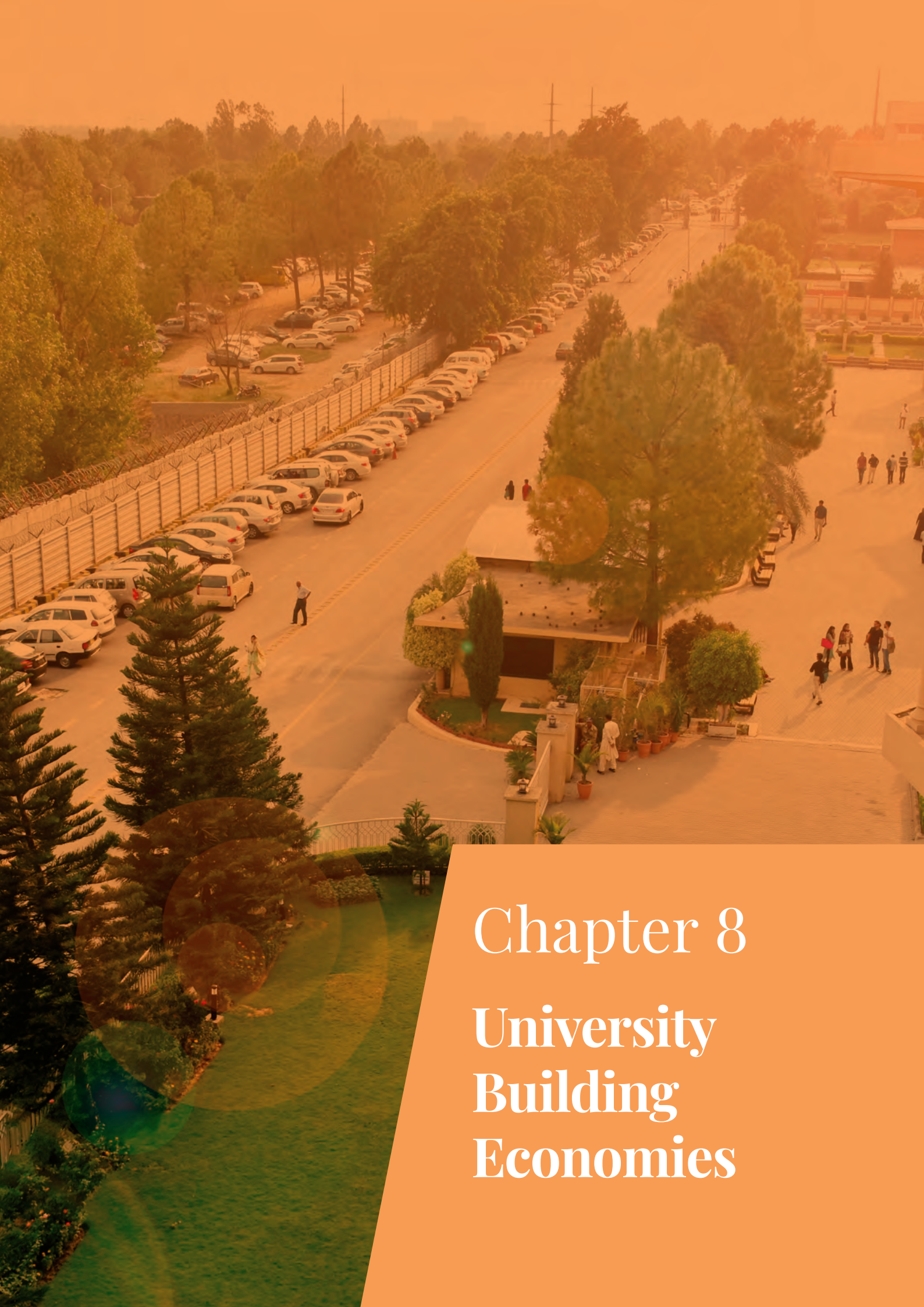
Bahria University has introduced this policy with an objective to financially support students of Wards of Naval Shuhda. Through this scheme the University will bear the educational expenses of the students on “Special Humanitarian Grounds” basis, in order to enable them to complete their Undergraduate degree program.

The overall objective to introduce ‘Scholarship Policy for Wards of Naval Shuhda’ is to uplift the socio-economic condition of those families who fall under Naval Shuhda category in recognition of the sacrifice made by their families.









# Chapter 8

## University Building Economies







## University Building Economies

In today's knowledge economy, the role that universities play is taking on a fundamental transformation. Many public research universities are now recognized as economic engines that drive their state's innovation. At Bahria University, we not only embrace this evolution but also seek to accelerate it as a catalyst to a better economy.

While a healthy economic environment is essential, a place where we can truly thrive is really about people. For us to live and work here, we must be able to find opportunity here. By cultivating and retaining a highly educated workforce supported by universities collaborating with public and private partners, we can optimize our ability to provide our scholars, scientists, communities and entrepreneurs a place in which to thrive in our country.

## Internships & Placement Office

The internships & Placement Office remains devoted in maintaining a corporate relationship with potential employers in connection with internship and placement opportunities for not only the currently enrolled students but also for the graduates. The internship opportunities are also arranged by the HOD, Faculty members, department Internship Coordinator or the students themselves using their own sources keeping Placement Office in loop. The internships & Placement Office strongly believes in building strong and long lasting academia-industry relationship in order to provide maximum exposure and employment opportunities to students and graduates. Above 200 organizations of various categories are

registered with placement Office whom HRM personnel coordinates with the focal persons in connection with finding resources for their organizations through different means such as online or direct applications or on-campus walk-in interviews and through the general hiring process.

Throughout the year, internships & Placement Office organizes various activities such as

- Conducting Career Expos in Fall & Spring Sessions
- On-Campus Interviews/Recruitment Drives
- Off-Campus Drives
- Recruitment Sessions
- Guest Lecture Sessions
- Summer Internship Programs
- Regular Internship Programs
- Alumni Mapping
- Alumni Feedback
- Employer Feedback
- Graduate Profiles in Fall & Spring sessions
- Corporate Linkages
- Providing Internship letters to students/graduates

The internships & Placement Office also maintains close relationship with the Alumni of Bahria University and keeps on strengthening the network. It keeps a track and maintains connections with alumni by involving them in university affairs (Academic Advisory, Guest Speaker Sessions, Personal and Professional Development, Infrastructure improvement, policy making, sponsorships and endowments) as per their experience and expertise.

Internships & Placement Office has organized following sessions in 2017-2018.



## Zameen.com Interview Session

HR Team from Zameen.com visited us on 21<sup>st</sup> September 2017 for their interview session. Initially

student applied for the positions available in their organization and after shortlisting they shared a list of 35 students for interviews from which 20 showed up. They took the interviews and 2 candidates qualified for available positions.



## EFU Life Assurance Interviews

HR Team from EFU Life Assurance initially visited BUIC on held on 3<sup>rd</sup> October 2017, after which they conducted on campus interview session. Shortlisting students were interviews from which 3 qualified.



## TCS Management Associate Program 2017

TCS Pvt. Ltd has launched their Management Associate Program for the year 2017. Combining conceptual insights and hands-on practical methodology, the

TCS Management Associate Program has been designed exclusively to provide young graduates the experience and exposure they need to grow as successful leaders in the industry. As part of their recruitment drive, they conducted an on-campus online test at Bahria University Islamabad on 12<sup>th</sup> October 2017.





## Telenor's Orientation Session

Telenor conducted an orientation session for Media Studies students exclusively on 23<sup>rd</sup> October 2017. Agenda for the session was to interact with the senior semester students and offer them internships in their digitization department. Students from senior semester actively participated in the session.



## PSO Recruitment Drive

Pakistan State Oil Company Limited, the largest oil marketing company, is initiating its Recruitment Program 2017 for an experiential learning for students

for which they visited the universities for initial assessment through online test. The student's lists were shared through their placement office. After which HR Team from PSO visited Bahria University to conduct their online test on 20<sup>th</sup> November 2017.

## Shan Foods Recruitment Drive

Shan Foods has presence in over 80 destinations covering five continents with over a thousand-people working across the globe. This diverse reach calls for a dynamic workforce that can drive to meet milestones and have the determination to reach greater heights while striving to become better versions of themselves. For this they conducted a test for position of "Territory Sales Officer" at Bahria University Islamabad campus on 21<sup>st</sup> November 2017. Allowing the students of marketing to participate and many students participated actively in this test.

## PepsiCo. Recruitment Program

PepsiCo was formed in 1965 with the merger of the Pepsi-Cola Company and Frito-Lay, Inc. PepsiCo has since expanded from its namesake product Pepsi to a broader range of food and beverage brands, the largest of which have included an acquisition of Tropicana Products in 1998 and the Quaker Oats Company in 2001, which added the Gatorade brand to its portfolio. The goal of PepsiCo's recruitment program is to provide students with the opportunity to leverage their academic understanding in a real-world, business-driven environment. They conducted their



orientation session regarding “recruitment program 2017” at Bahria University Islamabad campus on 27<sup>th</sup> November 2017. In which they provided students with valuable information regarding their career in business oriented environment. BBA and MBA students were encouraged to attend the recruitment program.

## United Nation High Commissioner of Refugees Interviews

The Office of the United Nations High Commissioner for Refugees (UNHCR), also known as the UN Refugee Agency, is a United Nations program mandated to protect and support refugees at the request of a government or the UN itself and assists in their voluntary repatriation, local integration or resettlement to a third country. They conducted an interview session at Bahria university Islamabad campus on 14<sup>th</sup> December 2017.

## PTCL Summit Program 2017

PTCL (Pakistan Telecommunication Company Limited) is the largest ICT service provider in Pakistan and has been serving the nation since 1947. The Company’s cutting-edge technology and powerful array of telecom services, including Voice Telephony, Fixed and Wireless Broadband, Over-the-top Applications, Digital Television, Carrier & Wholesale, Satellite Services and Data Centers serve the connectivity needs of millions of consumers and businesses nationwide. PTCL visited Bahria university Islamabad campus on 21<sup>st</sup> December 2017, to further elaborate their hiring processes and Assessment Center plus to answer the queries of the students. Encouraging graduating batches of engineering and business study students.



## RightJobs.pk Mini Expo

Talent Acquisition Team from RightJobs.pk visited us on 27<sup>th</sup> December 2017 for their interview session. Initially student applied for the positions available in their organization and after shortlisting they shared a list of 40 students for test and interviews from which 30 showed up. Candidates were interviewed and selection of these candidates is in process.



## Teach for Pakistan

Teach for Pakistan session was arranged by Internships & Placement Office on 14th Feb 2018. Session was about how teach for Pakistan recruit and train top graduates and young professionals from all fields for a two-year Fellowship to teach in low-income schools that lack quality teachers. They told our students how after the completion of the Fellowship,

their Alumni use their experiences to tackle Pakistan's most pressing problems in education, such as rewriting textbooks and curricula, testing innovations, furthering research, training teachers and creating model schools. They encourage students to apply on their online job applications. Students were very motivated to become part of teach for Pakistan to bring some positive difference in life of those kids who cannot afford to go to standard schools.



## MOL Group

MOL Group visited Bahria University on 15th Feb 2018. Internships & Placement Office had arranged session in Abdus Salam Hall. MOL Group is an integrated, international oil and gas company, headquartered in Budapest, Hungary. MOL Group is active in over 30 countries with a dynamic international workforce of 25,000 people and a track record of more than 100 years in the industry. MOL Group has launched the Female Engineers MOL ProgramMe2018. Female Engineers MOL Programme is a scholarship program designed for female students who are pursuing

undergraduate degrees in the fields of Geoscience, Petroleum Engineering, Chemistry and other fields of STEM (Science, Technology, Engineering and Mathematics) studies. As part of its commitment towards empowering young women to become future leaders in the Oil & Gas industry, MOL Group has launched its campaign in Pakistan to reach out to future female leaders in the country. Our female students showed lot of interest in this session and they enthusiastically wanted to apply for the scholarship. They are keen to win of 5000 euros, an internship opportunity at MOL Pakistan and was also trip to an international conference, with all expenses paid by MOL Group.





## ALBaraka Bank BSO Batch Recruitment Drive 2018

Al Baraka Bank (Pakistan) Limited had come to Bahria University on 20th Feb 2018 for On-Campus Recruitment Drive. Internships & Placement Office had arranged session in Abdus Salam Hall at 11:00am. Approximate 50 positions regarding batch hiring for “Branch Service Office” position are opened. The test was held in Presentation Hall. Duration of test was 2 hrs. Maximum number of graduates from Management Sciences showed participation in written test. They also gave orientation in start of session explaining in details the career path for new comers.



## Faysal Bank MT Programme Recruitment Drive 2018

Faysal Bank has launched its Management Trainee Program 2018 and visited **Bahria University** on 20th Feb 2018 at 2:00pm for On-Campus Drive and met Management sciences graduates. **Internships & Placement Office** had arranged session in Abdus Salam Hall. Key features of their MT Program which

they discussed in session was

1. Online application process
2. Gamified Recruitment
3. Structured class room trainings and Job rotations
4. Real time challenges and projects
5. Coaching and Mentoring by our best leaders
6. Fast track growth

## Ufone for Summer Internship Programme

Ufone visited Bahria University for Summer Internship Programme 2018 on 17th April 2018. Ufone’s SIP is a project-based internship initiative designed to help students who are ready to enter the job market by giving them the opportunity of working under supervision of

experienced professionals. The internship programme navigate opportunities built around mentoring and on the job learning not only to prepare them for challenges in the corporate world but also to reflect on their career choices. The SIP enables Ufone to help bridge the gap between industry expectations and academia deliverables while contributing to a talent pool for future business needs.



## PSO Summer Internship Recruitment Drive 2018

PSO is one of the pioneers of the Oil and Gas Sector of Pakistan. PSO conducted online Summer Internship test in Bahria University on 11th April 2018. PSO

had done online registration of students from Business Studies, LLB, BS Accounting & Finance, BSCS, Electrical and Software Engineers. 56 students appeared for test. The purpose of internship is to provide spectacular learning and development platform for young and ambitious talent for 6 weeks.



## CureMD Recruitment Drive 2018

CureMD conducted a "Recruitment Drive" in Bahria University on 13th April 2018 for Computer Sciences,

IT and Software Engineering passing out students of 2018. They took panel interviews of students and they will hire successful candidates for different positions.



## Sharif Group

Sharif group conducted On Campus Recruitment Drive Test for Fresh Trainee Engineers of Electrical Engineers graduating batch on 14<sup>th</sup> May 2018. They took written test. Selected candidates will be called for interview at their Lahore Office.



## Career Expo 2017 at Bahria University Islamabad

Bahria University Islamabad organized Biannual Career Expo 2017 with aim to bring job seekers and employers under one roof and to guide candidates on various career paths and innovative job hunt tactics. The job fair was poised to serve as effective way for the organizations to directly interact with prospective candidates and recruit the required talent without going through long process of traditional hiring practices. The Honorable Rector Bahria University Vice Admiral (R) Tanveer Faiz HI (M) inaugurated the event. Other senior management of university, alumni and potential employers were also present at the occasion. The Career Expo '17 provided a unique forum to connect employers who offer career opportunities with candidates from Bahria University Islamabad. The industry players as well as human resources experts from top organizations gave an overview of the various industries' update on HR demands, entry requirement and career prospects. The event was arranged with an objective of not only connecting top talent with great employers but also to provide a great opportunity for students and alumni to learn about job openings, companies and practice their interviewing and networking skills. Around 70 leading companies of telecom, FMCG, services, manufacturing, Media, NGOs and banking sectors participated in the Career Expo 2017. The main highlight of the Job Fair included giving dedicated and talented job seekers the opportunity to meet with employers at Bahria University Islamabad. Other resources that were available included career counseling professionals. The event continued for the whole day during which the employers conducted on



spot interviews and selected the candidates as per their requirement.

These organizations participated in Job Expo Fall 2017. Launchpad Interactive, CODE Informatics, Elixir Technologies Pakistan, Elixir Technologies Pakistan, ABN Overseas Education, AEO Pakistan, Capital TV, UBL Funds Managers, CISCOM, NBP Fullerton Asset Management Ltd, Inventive Leads, AKSA-SDS, Shaukat Khanum Memorial cancer Hospital & Research Centre Peshawar, Rightjobs.pk, Kohinoor Mills, IBM, Interwood Mobel Pvt. Ltd. Interconnect Solutions. Decision HR Consultancy, Commtel, Metro Shoes, Metro Shoes, Broad Peak Technologies, Pakfoods Pvt LTD, Vivo Pakistan, PTCL, Comma services, Maqami, Zeta Technology, Nova Communication Pvt Ltd, JS Bank Limited, IBEX Global, Algo Media, Wi-tribe, HUM News and S&P Global.







## Career Expo Spring 2018

Internships and placement office organized Job Expo Spring 2018 on Thursday 12<sup>th</sup> April, 2018 at Jahangir Khan Gymnasium Bahria University Islamabad Campus. The leading and most well-known organizations (List attached as Annex 'A') from sectors varying from IT, Banking, Oil & Petroleum, NGO's, Embassies, Business Process Outsourcing, Telecommunication, Education and Media and advertising agencies attended the Job Expo to find potential candidates for their organization.

The Job expo provides a platform for students/ graduates to seek internship and job opportunities.

The Expo also provides the corporate organizations an opportunity to interview a large number of students from Graduate and Post Graduate programs in disciplines of Management Sciences, Electrical, Software&ComputerEngineering,ComputerSciences, Social Sciences (Media Sciences & Development Studies), Law (LLB), Earth & Environmental Sciences (Geology and Geophysics) and psychology.

Honorable **Rector Bahria University** was the Chief Guest, who inaugurated the session at 10:00 am. He visited all the recruiter booths, welcomed them to Bahria University and presented them with souvenirs. Corporate representatives briefed the visitors about various opportunities in their respective organizations.





## Recruitment Drive at BULC

Placement Office BULC organized a recruitment drive on 16 Feb 18. A team from Packages Ltd was invited on this occasion.



## Industrial Tour to Atlas Honda

On 16 Mar 18, an industrial tour to Atlas Honda was arranged for the undergraduate students of Management Sciences Department. Tour was arranged for student's exposure to the industries and for student's future placements in industry.





## Industrial tour to Shezan

On 23 Apr 18, an industrial tour to Shezan International Limited was arranged for the students of BSIT 4 and BBA 8. Major purpose of the visit was to provide students industry exposure.



## Industrial tour to packages LTD

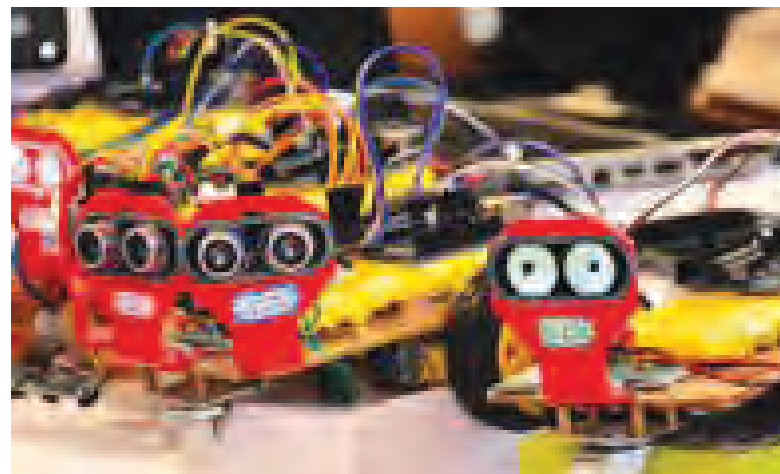
An industrial tour of BBA students to Packages Limited was organized on 25 Apr 18. Students visited four sections including Art work, Printing, Cutting, Foiling & Gluing. This visit really helped students to learn about different operations within an organization including Marketing and Human Resource. This visit was for better understanding of the students and to give them the real practical exposure about industry.



## BU Open House & MARCA 2018

Bahria University hosted Open House & MARCA 2018, giving opportunity to students from Engineering Sciences and Management Sciences to display their final year projects. Event showcased some of the brilliant projects from students. The event was organized at the premises of Bahria University Islamabad. Honorable Rector of Bahria University Vice Admiral (R) Muhammad Shafiq HI (M) inaugurated the event. Director General/Pro-Rector, Registrar, and other management of the university were also present. The projects of students were evaluated by the judges from industry for category prizes. President Rawalpindi Chamber of Commerce and Industry (RCCI) and President Islamabad Chamber of Commerce & Industry (ICCI) also graced the occasion and encouraged students. Large number of projects were displayed from diverse marketing and engineering branches including software engineering, control systems, communication systems, embedded systems, robotics, radio communications and wireless

communication. The ceremony concluded with the awards presentation for the top projects in each department. Renowned companies from the national and multi-national sector visited Open House as a part of university's ongoing Academics-Industry collaboration. The representatives appreciated the innovative projects designed by the students and conducted interviews for hiring fresh graduates of the university in their respective organizations.





## Career Expo at BU Karachi Campus

Bahria University Karachi Campus organized Career Expo with aim to bring job seekers and employers under one roof and to guide students of BU on various career paths and innovative job hunt tactics.



## MOU Signing Ceremony with Islamabad Women Chamber of Commerce & Industry

Bahria University Islamabad and Islamabad Women Chamber of Commerce and Industry signed a MOU on 10th April, 2018 (Tuesday) at 03:00 pm.

The purpose of signing MOU was to explore the opportunity to work together in area of women

empowerment and entrepreneurship. Pro Rector R/ADM (R) Shahid Saeed SI(M) expressed his support to Islamabad Women Chamber of Commerce and Industry for building the capacity of women empowerment and entrepreneurship. President IWCCI Ms. Reem Abbasi expressed her gratitude and willingness to work together with Bahria University Islamabad. Director LDC shared his thought for joint submission of EOI & RFP for various Projects.



## MOU Signing Ceremony with CODE Training Services (CTS)

In tandem with vision of worthy Rector, Bahria University for mapping the industry needs for training, consulting, and research projects, Leadership Development Center signed a Memorandum of Understanding with CODE Training Services (CTS) on Friday, 06 July, 2018.

The MoU was signed at Bahria University Headquarters in an elegant ceremony, attended

by Mr. Wazahat Ali Chief Executive Officer, Mr. Asim Awan, Chief Operating Officer and three members of core team from Code Training Services (CTS). The attendees from Bahria University comprised of Rear Admiral (Retd.) Shahid Saeed HI (M), Pro-Rector, Mr. Khalid Mumtaz, Director LDC, Prof. Dr. Shehzad Khalid, Director (ORIC), Mr. Rizwan Aamir, Director (IT) and BU officials.

The signatories of the MoU affirmed to use platform so created in the most befitting manner that can lead to mutual intellectual opulence and pave the way for a prosperous future.



## BIPP Annual Report on CPEC: A review and analysis

On 27 Apr 18, a seminar on the topic of China Pakistan Economic Corridor (CPEC) was conducted at BULC where Burki Institute of Public Policy (BIPP) presented their report on CPEC and its impact on Economy of

Pakistan. The report was presented by Vice Chairman BIPP, Mr. Shahid Najam. Other speakers included Mr Daud Ahmed, Executive Manager Pakistan China Joint Chamber of Commerce and Cdre Naveed Ahmed SI (M) Retd, Director (Research) PN War College. The panel also answered audience's questions about CPEC. Faculty and students of BULC attended the session in a large number.





## Seminar on Strategic Importance of Pakistan

On 15 May 18, Rear Admiral Naveed Ahmed Rizvi HI(M) was invited as a guest speaker to enlighten students and faculty of BULC on the topic of “Strategic Importance of Pakistan”. He also distributed laptops among the recipients of Prime Minister National Laptop Scheme.



## Memorandum Signing Ceremony between Bahria University and Institute of Bankers Pakistan

Memorandum of Understanding Signing Ceremony between Bahria University (BU) and Institute of Bankers Pakistan (IBP) was held at Bahria University Karachi Campus on 18-08-2018. The Memorandum of Understanding was signed by Director Bahria University Karachi Campus and Director Business Development Ms. Khawlah Usman along with prominent members of Institute of Bankers Pakistan





# Chapter 9

## University Building Communities





## University Building Communities

### BU Community Support Program

Bahria University is dedicated to promote community service, civic engagement, and service-learning amongst the youth to make them socially responsible citizens in the society. The management of BU believes that service-learning has a positive effect on the personal development of students and it helps them acquire academic skills and knowledge by utilizing their resources and professional skills. Keeping in view the importance of community service, and as per university's CSP policy, the students are being encouraged to work for NGO's- Government/ Semi Government agencies/International Organizations, University Administration for matters related to community welfare. Bahria University is collaborating with esteemed organizations in the following areas for strengthening its Community Support Program:

- Manpower/ resource sharing
- Mutual Research activities
- Funds/grants
- Women entrepreneurship/ skill enhancement
- Reduction in environmental degradation
- Health promotion and care
- Peace building
- Disaster relief and rehabilitation
- Social and urban entrepreneurship

Community work is being performed by all campuses to benefit their students academically, professionally, and personally to develop their civic and leadership skills.

### Student Support Centre (SSC)

SSC is the hub of all non-academic activities and student centered services to maximize student potential by polishing student talents and skills, developing them into all-rounder's with grooming interventions, self-help resources, interactive workshops and participation outside university.

The Student Support Centre has a system under

which it operate and provide support to students through following three wings:

### The Student Facilitation Centre (SFC)

SFC has been established to facilitate and resolve our BU students in their academic and non-academic issues. The aim of this department is to address the queries of students so that they do not run from one office to another for resolution of their problems or for seeking academic guidance. This department works closely with all departments of the university and provides guidance and requisite information to the students under one roof.

### Community Support Program (CSP)

Bahria University is dedicated to promote community service, civic engagement, and service-learning amongst the young to make them socially responsible citizen in the society.

The management of BU believes that service-learning has a positive effect on the personal development of students and it helps them acquire academic skills and knowledge by utilizing their resources and professional skills. Community Service is mandatory for all students as a degree requirement.

### Students Resource Center (SRC)

Studying at university is just the beginning Bahria University gives you loads of opportunities to have fun and socialize. Whether it is competing in a sport, you love, broadening your experience with volunteer work or getting involved in a society. No matter what you are interested in, there is something for you.

Along with other activities, the SRC comprises of 5 Clubs/Societies...

- The Arts & Dramatics Club
- The Media Club
- The Music Society
- The Events Club
- The Literature & Debates Club





## Literacy program with Master Ayub children at Bahria University

Ayub Khan, famously known as Master Ayub, offers free tutoring of all subjects to the underprivileged students, however, there is neither shelter nor facilities; Master Ayub has rendered his efforts in educating a huge mass of students. The firefighter, gave in all his life and time coaching the needy. Bahria University's Community Support Program decidedly took a stand in the name of humanity and collaborated alongside Computer Sciences, Electrical Engineering and Earth & Environmental Sciences Departments to teach the children of Master Ayub in the university premises in Summer-2017 which took place from July – August (Timings: 02:00-05:00 pm) in OC Hall 3 & 4 of Sir Syed Block. Transport for pick and drop service of children was also taken care of by the university and also other than studies,

extracurricular activities were also organized. An orientation was conducted on 7th July, 2017 in the Auditorium of Bahria University. Master Ayub along with his two teaching assistants and 40 kids were present. As in summers, classrooms are available so a teaching session for Master Ayub's children was organized in class rooms to conduct the classes for students. Each volunteer took the responsibility of one child and tutored them. A "Sports Day" was also organized for the children in the Gymnasium on 21st July, 2017. The sports activities included badminton, table tennis, different entertainment games such as Tug of War, balloon shooting, sack race and dart game. Some more exciting minute to win games were also played for the entertainment of these children. Bahria University Islamabad celebrated the "70th Independence Day" on campus with the children from Master Ayub Program on August 9, 2017. The children of "Lettuce Bee Kids" were also invited to the ceremony.

## 70<sup>th</sup> Independence Day Celebration

Independence day, 2017 was celebrated with a lot of energy and ardor by the Pakistani Nation. Bahria University Islamabad also participated in the celebrations by performing a few traditional rituals. The day kicked off with the national anthem while the honorable Pro-Rector/ DG Campus Rear Admiral Shahid Saeed HI (M) raised the beautiful flag of our beloved homeland, next the cake was cut to bring a little flavor to the day, then everyone enjoyed themselves by bouncing around to the "Mili Naghmas" at the Musical Eve arranged by the Music Society in collaboration with The Student Support Centre. The members of Arts and Dramatic club also presented a special play. Indeed the day was well spent and every



small act, all the little details of the day were a way of showing love to the country that we truly love and have developed such a strong attachment towards it. Long live Pakistan.

## “Mall of Humanity”- Joint Collaboration of Bahria University Islamabad and Helping Hand for Relief & Development (HHRD)

Two orientation sessions of “Mall of Humanity” were conducted on July 27, 2017 and August 10, 2017 respectively by the team of Helping Hand for Relief & Development (HHRD) at Bahria University, Islamabad. The Head of In-kind Gifts Program, Mr. Sajid Iqbal, the Internship Coordinator, Mr. Furrukh Saeed, the Executive Researcher, Haris Hafeez and their media team were present at the session. The orientation sessions were followed by a survey visit to the village Pind Dadan Khan on August 13, 2017. A student team of about 30 volunteers from the Community Support Club of Bahria University conducted the survey of the village and registered about 515 families for the event. The survey visit was followed by receiving of donation items by Bahria University from HHRD on August 19, 2017. About 319 cartons were received (including 21 soap cartons) from HHRD which included 9000 plus items in total for distribution. After receiving the donation items, they were placed in 2 classrooms of Sir Syed Block of university for further processing. The “Mall of Humanity” was a full day event conducted in Government Boys School on August 27, 2017. The management consisted of different teams namely the media, logistics and security team



with assigned tasks and duties. Bahria University signed a Memorandum of Understanding (MOU) with Helping Hand for Relief and Development (HHRD) on August 30, 2017. The Contract signing ceremony was held at Bahria University Head Office where Rear Admiral (R) Shahid Saeed HI (M), Pro-Rector Bahria University and Mr. Fazal ur Rehman, The Country Head, Helping Hand for Relief & Development (HHRD) Pakistan signed the contract in the presence of dignitaries and officials from both organizations. The Closing Ceremony of “Mall of Humanity” took place in the Presentation Hall of Bahria University on August 30, 2017. The students were awarded certificates of appreciation by Mr. Fazal ur Rehman, The Country Director, HHRD for participating in the program. The team of HHRD also distributed shields as a token of remembrance to the event heads of Bahria University. A video documentary of the successful event was shown to appreciate the efforts of the university and HHRD towards this great cause.





## Seminar “Persons with Disabilities – Barrier and Way Forward”

Leadership Development Center in collaboration with Entrepreneurial Alliance and The First Microfinance Bank is held a session on October 17, 2018 at Ibne Khuldun Hall for special persons. The seminar titled “Persons with Disabilities – Barrier and Way Forward” was designed to create awareness amongst the general populous with regards to an all-inclusive society. The seminar was attended by Members of Local Government, Representatives from Entrepreneurial Alliance and special persons.



## MoU Ceremony between Bahria University and Bahria College Special Children School Karsaz

Memorandum Signing Ceremony between Bahria University and Bahria College Special Children School Karsaz was held on 29 Sep 2017 at Bahria University Karachi Campus.

The MoU was signed by Director Bahria University Karachi Campus, Commodore(R) Mohsin Hayat Malik TI (M) and Principal Bahria College Karsaz, Captain Jamil Akhter TI(M) in the presence of honorable Director General Bahria University Vice Admiral (R) Khawaja Ghazanfar Hussain HI(M). Commander Karachi, Rear Admiral Ather Mukhtar

HI(M) graced the occasion with his presence. DG (KC), Director (KC), All HoD's, & BUHO's





## BUKC- Business Incubation Center Alumni WonderTree from C&SE dept Won 400,000 PKR

Bahria University Karachi Campus Business Incubation Center Alumni WonderTree from C&SE dept Won 400,000 PKR

### WonderTree, Technology Innovation Award:

WonderTree, a technology innovator, has developed a gaming platform that promotes learning and therapy in autistic children through games. The games have easy to personalize content for children of ages 5 and above, for their varying needs. Due to lack of awareness, limited resources and accessibility, parents have to go through great hassle to make

appointments for specialized therapy sessions. WonderTree is impacting over 100 children by offering their product to three special schools and a hospital in Karachi and Islamabad.



## Visit to Shaukat Khanam Memorial Cancer Hospital

Shaukat Khanam Memorial Cancer Hospital organized Breast Cancer Awareness Day at the hospital on 12 Oct 17. A delegation of 22 students and faculty from Bahria University Lahore Campus visited the

hospital to attend the event. Pakistan Women Cricket Team's Captain Sana Mir was invited on the occasion. Different doctors from the hospital and cancer victims shared their experiences and educated the audience on the subject. Overall, it was a good event to create awareness among the females about this type of cancer.





## Shaukat Khanam Memorial Cancer Hospital Blood Camp

On 11 Oct 17, Shaukat Khanam Memorial Cancer Hospital set up a blood donation camp at Bahria University Lahore Campus in collaboration with BULC CSP Club. Students participated actively in the noble cause. SKMCH conducted a number of free blood tests for the donor students.



## World Fisheries Day 2017 Celebrated by Ncmpr Date 21 November 2017

On 21 November 2017 a medical camp on the Occasion of “World Fisheries Day 2017” was organized at a fishermen village (consisted of about 1100 houses) at Bhit Island. The camp was resourced with doctors and paramedic staff from PNS Shifa Hospital, PNS Himalaya and Bahria University Karachi Campus. Doctors provided consultancy on different health issues and patients were provided with the best quality free medicines. M/s Getz Pharma, a reputed name in pharmaceutical firms provided significant amount of medicines. In addition, few other medicines and required accessories were purchased from local market. A team from Dr. Essa’s Laboratory & Diagnostic Centre was also a part of this camp which conducted tests for Bone Mineral Density (BMD). An awareness session was also conducted at High School at Bihit Island. Dr Safia Mushtaq Senior Assistant Professor alongwith other Marine Biologists delivered lectures to students.

## Trip to Lake View Park with Aafiyat Old Homes

Bahria University Islamabad and Bringing Smiles collaborated and hosted a memorable day for Aafiyat Old Homes on 10th December, 17 at Naval Sailing Club, Lake View Park to bring some happiness for the people living there. Aafiyat Old Homes is working to ensure facilities to elderly people accommodating about 20 people in total. They are providing quality services, including shelter, food, healthcare and recreational facilities, to old and infirm people of society. The work Aafiyat Old Homes people are doing by caring for them as their family members was amazing to see, and no one except Allah can reward them, but at least we all can appreciate and support them in this great cause. It was a fun filled day for everyone where valuable stories were shared by the old people with volunteers of Bahria University. The lessons and experiences the elders shared with the students were an eye opener for them as most of their families had abandoned them and sent them to old homes. The students realized that simply by giving their time and conversation meant a lot to these people. One of the most meaningful things we could do for them was to spend some quality time with them.

Volunteers helped to organize the event and assisted in providing lunch to everyone. It was a memorable afternoon hanging out with these residents and boat ride was arranged for everyone at the end.





## National Disaster Awareness Day

Pakistan is vulnerable to a wide variety of natural and manmade disasters. In terms of Global Climate Change, it is ranked as a high risk country. Despite economic losses, recurrence of disasters has taken a heavy toll of human lives since the last decade. Due to the fact that there is ignorance amongst the masses, there have been a lot of sufferings. To eradicate all these issues and to create awareness amongst the masses, National Disaster Management Authority (NDMA) has launched many of its campaigns and seminars across the country.

NDMA is a government recognized organization formed and established under the ambit of the federal authority to deal with the whole spectrum of disasters and their management in the country. NDMA makes and enforces national disaster policies at both federal and provisional levels. To conduct humanitarian operations in the country and to deal with all its aspects that include disaster management, NDMA has collaborated with various government ministries, military and UN based organizations. Its main purpose is to cater to human needs and to nullify or propose ways to deal with issues after disaster.

Therefore, 8<sup>th</sup> October, 17 has been declared as “National Disaster Awareness Day” and to honor this day, an event was arranged in F-9 Park on Sunday, 8<sup>th</sup> October, 2017. Bahria University actively participated in this youth oriented event along with many other educational institutions. To educate more about the operations and what measures be taken,

NDMA collaborated with Rescue 1122 and other organizations. Ambassadors of different countries made their presence known. Stalls and activities were arranged for everyone. A coloring activity was conducted in which the schools, Beacon house and Supernova actively participated. Literary activities were also organized along with other extracurricular activities such as debates, ludo, cycling, and a pledge wall and photo booth. Many students made speeches representing their respective schools. With the collaboration of ITP, a Cycling Rally was held at the end. Other than that, free merchandise of different organizations was displayed for the visitors. There was a scouting camp on both Boys and Girls side. They showed different products such as solar products used in earthquakes which are handy and their usage was demonstrated to the public. In addition to this, as a tribute to those who lost their lives in natural disasters, everyone lit lanterns in the sky.

It was a very informative and fun filled event.





## Volunteering at Al Fatimah School



Being a third world country, large populations of people in Pakistan are deprived of good schooling. To cater the needs of the underprivileged, Al-Fatimah school is an institute situated in a village in Sector E-9, Islamabad. The school is headed by Mr. Nazim and strength of approximately 80-100 students study in the school.

The students of BBA 6th semester (Fall-15) from Bahria University Islamabad Campus are volunteering to lend a helping hand to the Al- Fatimah School since 5 weeks under the able guidance of CSP club.

Every once a week students from all sections of BBA are taken to the area and various responsibilities are equally distributed amongst each student. A group of volunteers are helping in beautifying the schools by decorating class boards with different chart papers that comprise of course related information, a few volunteers willingly guide the children that are appearing in their board exams, while some get stationery for the children. Each volunteer is assigned a group of students to teach and give them personal attention.

Additionally, other extra-curricular activities like



singing, debating and storytelling are also carried out to boost the confidence of the children. Creativity is encouraged during art and craft activity. Owing to this interaction, many volunteers offered to financially support the school and its cause. Although the program is currently operating, till now the efforts exhibited by the students have won appreciation from the faculty and children of Al-Fatimah School.

## MoU signing between Bahria University and Friends of the Environment



Bahria University Islamabad signed a Memorandum of Understanding (MOU) with “Friends of the Environment” on April 20, 2018. The Contract signing ceremony was held at Director Campus Office where Cdre (R) Syed Hasan Mustafa HI (M), Director Islamabad Campus and Mr. Yousaf Khan, CEO of Friends of the Environment signed the contract in the presence of team of Student Support Centre.

A brief introduction of both organizations was given and future collaborations were discussed. FOE stressed that they want to achieve the objective of not only preserving the existing trees but by massive tree plantation of trees all over Pakistan by involving our youth of Bahria University in this great cause. Possibilities to strengthen partnership and developing work on various initiatives to support a prosperous clean and green Pakistan were also discussed.



## Toy Drive at PIMS

Thalassemia affects approximately 4.4 of every 10000 live births throughout the world. In order to sustain their life, Thalassemia patients rely on blood transfusion and medicines prescribed by the doctor. In a country like Pakistan, the rapid spread of this disease is quite conspicuous. Free blood is made available for those who cannot afford treatment. PIMS Hospital is one of the few institutions that provide free blood to Thalassemia patients. To make the day momentous for the thalassemia patients, Bahria University joined hands with Dr. Aziz Bangash, Assistant Director at PIMS on 4<sup>th</sup> May' 2018. The aim was to interact and distribute toys amongst the children. Their smile was the highlight of the day



and this gave satisfaction to the volunteers, as they believed they served their purpose well. Members were met with immense gratitude by the hospital officials, as well as the children.

## Distribution of books, copies and stationery items at Basic Education Community School

Bahria University Islamabad annually distributes books and copies amongst the students of Basic Education Community School. This year, the activity was conducted on Wednesday, 9<sup>th</sup> May' 2018. Students from CSP club volunteered to lend a helping hand. The university also pays monthly pay salaries to the two teachers teaching in the school. This year,

BU added extra items to their distribution list i.e. lunch boxes, water bottles and stationery items. The distribution was such that it equipped students with school items on the basis of their promotion to new classes.

The activity procured the immense attention of the volunteers towards the lack of resources and issues the penurious face. Also, the organization that laid out the project and the concerned lot, expressed their gratitude towards the generosity provided by the University, as well as the members of CSP club.







## Spreading Smiles – A day with special children

Students of MSPM 1 (B) conducted Spreading Smiles – A day with special children at BULC on 19 May 18. The students spent the day with the special children from National Society for Mentally and Emotionally Handicapped Children and carried out different fun activities with them including a movie show

and computer games. Special Children also set up their stall where they displayed their handicrafts to sell. Mr. Shawaz Baluch, BULC Alumnus, addressed the audience in his motivational talk about not giving up in life and always moving forward. All the special children were presented with certificates of participation. Souvenirs were presented to the faculty members as well. Participants from BULC will also receive the certificates.



## Ration packs distribution to transgender community

Bahria University Islamabad joined hands with Akhuwat Foundation on 15<sup>th</sup> May'2018 to distribute ration packs to the transgender community, who

were identified by the organization. The event was held at Rawalpindi Chamber of Commerce. Akhuwat Foundation and Bahria University took the initiative to distribute clothes and shoes for Eid and ration packs to the transgenders were given by BU. Ten CSP club members volunteered for this program.

The event sought to benefit the transgender community to commend them regardless of their sex. A motivational session was instigated by the foundation and an introductory session by the volunteers. The activity functioned to empathize with the feelings of the transgender community and to make them feel valued. Later, ration packs and clothes were distributed to the community, happily accepted

## Community Support Program- Iftar Drive in collaboration with Shifa Foundation

With the sponsorship of Bahria University-Islamabad, Shifa Foundation arranged an “Iftar meal” for the deserving people in Islamabad. Almost 200 people were provided with Iftar boxes during this event which included laborers and other low income individuals. This activity was carried out in Sector I-9, Islamabad where a huge ratio of labor is found. For this specific activity, Bahria University Islamabad joined hands with Shifa Foundation to promote the true spirit of Ramadan. This activity was a part of Shifa Foundation’s #RamadanAppeal2018 #Feedthedeservingfamilies. Shifa Foundation regularly organizes such charitable activities to

by the community and food arrangements were made to restore the burnt energy. To commemorate the occasion, a group photo was taken towards the end.

The event was called for and positive remarks were attained.



ensure provision of food with dignity for all. Under this campaign, Shifa Foundation is further collaborating with different organizations also to expand the scope of activities in other parts of the country.

## Maritime Discourses

On 22 August 2017 a Maritime Discourse was held at Fatima Jinnah Hall at BUKC. Mr Abdul Rasheed, Chief Meteorologist talk on the topic “Pakistan Metrological Department and Its Services for Maritime Sector of Pakistan”. The discourse was attended by local dignitaries, government official and maritime stakeholder from various organizations. The informative deliberations by learned speaker was followed by healthy discussion.



On 13 February 2018 National Centre for Maritime Policy Research (Karachi) organized a Maritime Discourse on the topic “Impact of Coastal Erosion on coastal belt of Pakistan”. The discourse was held at Fatima Jinnah Hall at BUKC. Dr. Asif Inam Director General of National Institute of Oceanography (NIO) was Guest Speaker for the event. The Guest speaker highlighted main issues regarding sea level rise, sea water intrusion and land subsidence in Indus deltaic creek system and coastal erosion along the Makran coast. Rear Admiral Moazzam Ilyas HI(M) Coastal Command graced the event as Chief Guest.





## Stationery Distribution Project for Dukhtaran e Islam Academy

A stationery distribution project was organized at Dukhtaran-e-Islam Academy in Rawalpindi by Bahria University Islamabad for the schools of Helping Hand for Relief & Development (HHRD) on 20<sup>th</sup> April' 2018. The stationery items were arranged by Bahria University Islamabad whereas the identification of the school

was done by Helping Hand for Relief & Development (HHRD). CSP club students vehemently volunteered for the program. Volunteers were divided into three groups and children were accordingly allocated on the basis of their age. Each group was assigned a classroom for carrying out their activities. Stationery items and bags were distributed amongst the kids. They happily accepted the items and expressed their gratitude. A group photo was captured at the end of the activity to make it memorable.



## Visit to Afiyat Old homes

Bahria University Islamabad collaborated with Aafiyat Old Homes to provide gift hampers comprising of daily essential products like soaps, shampoos or deodorants to both males and females on 12<sup>th</sup> May' 2018. The event included an interactive session that involved introduction of both the BU volunteers and the old people. Different problems and issues were addressed by the old citizens. They narrated their stories and their experience, which evolved realization amongst the students about the importance of parents. The event proved to be a requirement and was favorably acknowledged by everyone, especially by the volunteers.





## Tree Plantation with “Friends of the Environment”

Bahria University signed a MoU with Friends of the Environment and conducted a two week Tree Plantation Activity on campus, as well as in Naval Anchorage. 1000 plant saplings were donated to Bahria University as per the mutual objective. Bahria University conducted two of its Tree Plantation

Drives on campus from 24<sup>th</sup> to 25<sup>th</sup> April’ 2018 and one at Naval Anchorage on 26<sup>th</sup> April. Students from Departments of Social Sciences, Media and Computer Sciences voluntarily contributed in this drive under the able guidance of Bahria University’s staff. 150 plant saplings were planted within the time frame of two days. Awareness steel boards were placed in distances for the general public and a seminar was organized to address the matter.



## Maritime Symposium

Bahria University organized an International Maritime Symposium at the Tulip Marquee, Islamabad on 07<sup>th</sup> May’2018. The event was attended by Pakistan Navy. Distinguished national and international speakers participated in the event. The theme of the

symposium was “Impact of Belt and Road Initiative (BRI) on the Geo-economics of the Indian Ocean Region (IOR), Prospects for Pakistan, the Region and Beyond”. The University’s Events Club members were assigned delegate and management duties. The symposium was essential as it highlighted the current shift of global power from West to East and the rapid change in economic and political dynamics.







## Blood Donation Drive “I” 2018 In Bahria University Medical & Dental College

A blood donation camp was organized on April, 19th 2018 by Bahria University Medical and Dental College, in collaboration with Husaini Blood Bank, Karachi. Inauguration of the event was followed by a ribbon cutting ceremony by “Bahria Medics” Supervised by Prof Dr Hasan Ali chairperson program organizing committee , Vice Principle Dr. Ambreen Usmani chief guest inaugurated the event along with Head of the Departments of Medical and Dental Faculty members , a team of fourth and final year MBBS , BDS &DPT students. Students and faculty of Bahria Medical and Dental College enthusiastically participated in

making this event successful. Professional staff of Husaini Blood bank welcomed the blood donors. Properly sterilized instruments and blood transfusion machines were arranged in skill lab of BUMDC. Before blood donation, donor’s bio data was taken, accompanied with free blood screening for certain systemic diseases in order to ensure safety of blood donors. Outstanding response of 100 participants was seen. These events should be frequently organized to maintain sense of responsibility towards humanity among our society and youth. The Vice Principle of Bahria Medical and Dental College, Dr Ambreen Usmani appreciated the efforts of students and the paramedical staff of Husaini Blood bank in successfully motivating the students to join the blood donation camp as well as creating awareness among them.

## United against corruption for a prosperous Pakistan

Awareness campaign against corruption in the year 2018. This event was organized as per instruction of NAB head quarter Islamabad in order to give awareness to students of university about this evil .On 15/05/18, The Literary and Debates Society of BUMDC organized a speech competition in lieu of the anti corruption campaign launched by the combined efforts of NAB and HEC to spread awareness to unite against the fight for corruption.

Speeches were held in both Urdu and English. The English topic discussing the role of media playing



either a positive or negative role in their education of the masses regarding corruption and Urdu topic discussing corruption as a “disease” and its effect on the future of the country. The students shared their ideas and logical solution to abolish this evil from our society. Students from all Departments; MBBS, BDS and DPT performed exceedingly well however it was Zartab Nazneen of 1st year MBBS who snagged the prize for the English speeches and Tayyab Waqas

## Educational Trip And Plantation Day At Urban Forest Organized By Greenit Bahria

It is the first ever endeavor by Bahria medical students since the beginning of BUMDC. The students formed a society under community club. The object of this Greenit society is to make the city and Pakistan green. Greenit Bahria arranged an educational trip on Thursday, 5th April, 2018.

The location for the activity was Pakistan’s first Urban Forest which is being developed in Clifton area of Karachi by Mr. Shehzad Qureshi, the man behind the whole idea.

We were warmly greeted by Mr. Shehzad Qureshi himself. He started by briefly sharing with us his vision and motivation followed by a tour around the area. He introduced us to a plethora of scientific methods

of 2nd Year MBBS who took home the prize for the Urdu speeches. The certificate were given by Prof Dr Moinuddin Alamgir, Prof Dr Hasan Ali to deserving students. All in all, the event was heralded as a success among the students as well as faculty and all students involved were praised in their efforts. The Literary and Debates Club hopes to be organizing such projects in the future as well!

he had employed and walked us through the basis of a self-sustaining forest in the middle of a city.

Every aspect of the project had a captivating reason and logic. From the vision of modifying drainage water by gravel filter and certain species of plants and using it for irrigation of the forest to the employment of the theory of “survival of the fittest”. His vision for development of a proper ecosystem made the idea of a whole self-sustainable forest much very possible and a reachable reality. We believe that applying these efforts will for sure help us rejuvenate the lost ecosystems of our areas.

To help the cause of urban forestation, we as a team planted 22 trees and donated a meager amount for their maintenance. The whole activity took just two hours but gave the students a sense of motivation, achievement of having done something and most importantly developed the feeling of caring for the benefit of community and environment.





## World Oceans Day 2018 Celebrated By Nemp Date 4Th – 8Th June 2018

National Centre for Maritime Policy Research, Bahria University celebrated World Oceans Day at Karachi Campus. This year the day was celebrated under theme “Reduce Plastic Pollution” and the celebrations were expanded from 4 to 8 June 2018. The Centre organized many activities including Maritime Discourse, Go Blue Drive and Mounting of Oceans Pledge Wall. All these activities were registered on international Website for World Oceans Day.

### Go Blue Drive

Awareness campaign was held at Bahria University Karachi Campus from 4<sup>th</sup> – 8<sup>th</sup> June 2018 as part of World Oceans Day celebrations. Awareness banners and panaflexes were displayed at prominent places in Bahria University and Pakistan Maritime Museum Karachi.

### Ocean Pledge Wall

During the celebrations of World Oceans Day the Centre mounted a wall for writing oceans pledges. The aim of the activity was to inspire ocean conservation for further generation. Vice Admiral (Retd) Khawaja Ghazanfar Hussain HI(M) inaugurated the Pledge wall as the Chief Guest.





# Chapter 10

## **Sports**





## Sports

Sports are an important part of every society, country and individual. With its economic, social and individual aspects, sports have very significant role in raising healthy generations, public health protection, building social peace and harmony. Holistic

development of a student is possible only when he is physically fit and emotionally balanced and this is achieved through sports. Understanding the wide ranging benefits of sports is the primary reason that Bahria University encourages sporting activities and is striving to promote the physical and mental well-being of students.

## Sports Achievements

The sporting events in which BU participated in year 2017-18 include HEC intervarsity sports championships at zone and all Pakistan level. Detail are given below.

Sr. No	Tournament Title / Sport Title	Date	Location	Outcome
1.	HEC Intersarsity Zone 'C' Football Championship 2017-18	20-24 December 2017	COMSATS	Participated
2.	HEC Intersarsity Zone 'C' Table Tennis Championship 2017-18	1-3 January 2018	UET Taxila	Participated
3.	HEC Intersarsity Zone 'C' Badminton Championship 2017-18	17-20 January 2018	Bahria University Islamabad	3rd Position
4.	HEC Intersarsity Zone 'C' Basketball Championship 2017-18	21-23 January 2018	Bahria university Islamabad	Winner
5.	HEC Intersarsity Zone 'C' Hockey Championship 2017-18	22-25 February 2018	HITECH University / venue PSB	Winner
6.	HEC Intersarsity Zone 'C' Volleyball Championship 2017-18	24-26 February 2018	UET Taxila	Participated
8.	HEC All Pakistan Intersarsity Basketball Championship 2017-18	6-9 February 2018	University of Punjab	Participated
9.	HEC All Pakistan Intersarsity Hockey Championship 2017-18	6-10 March 2018	University of Sargodha / Venue Lahore	Participated

## BU Constituent Units Organized Inter Departmental Championships/ Events

### BU Karachi Campus

BUKC organized / participated in following inter departmental / inter university tournaments.

Date	Sports events/activities details	No of participants	Venue	Result	Remarks
22 Feb 18	BU participated in 3 <sup>rd</sup> PMA Sports Gala (Male) organized by Pakistan Marine Academy and conducts following tournaments: Volleyball Basketball Football	56	Pakistan Marine Academy	BUKC won Volleyball & Basketball events	BUKC won the overall general trophy and declared winner of sports Gala



Date	Sports events/activities details	No of participants	Venue	Result	Remarks
22 Feb 18	BU participated in 3 <sup>rd</sup> PMA Sports Gala (Female) organized by Pakistan Marine Academy and conducts following tournaments: Volleyball Badminton	25	Pakistan Marine Academy	BUKC won Badminton event	BUKC won the overall Runner-up general trophy
22 to 25 Feb 18	BU participated in NUST-PNEC Sports Olympiad (male) organized by NUST-PNEC and conducts Volleyball tournament	12	NUST PNEC	NUST won the event	BUKC got 2 <sup>nd</sup> position
26 Feb to 9 Mar 18	BU organized 3 <sup>rd</sup> Bahria Inter University T-20 Cricket (Male)	16	NED university Cricket Ground	IQRA won the event	BUKC got 2 <sup>nd</sup> position
15 to 25 Oct 18	BU participated in 1 <sup>st</sup> Indus Inter University T-20 Cricket (Male) organized by RLCA and conducts Volleyball tournament	16	RLCA Cricket Ground	loBM won the event	BUKC got 2 <sup>nd</sup> position
29 to 31 Oct 18	BU organized 3 <sup>rd</sup> Bahria Inter University Volley Ball (Male)	12	BUKC Court	NUST won the event	BUKC got 2 <sup>nd</sup> position

## BU Islamabad Campus

BUIC organized following inter departmental / Open university championships.

Date	Sports Events/Activities	Venue	Result
10 April 18	Friendly Basketball match BUIC vs Reptor Club	BUIC	BUIC Winner
19 April 18	Friendly Basketball match BUIC vs Reptor Club	BUIC	BUIC Winner
7-12 May 18	Byte Sports activity Badminton (single) BUIC (W) vs BUIC (B)	BUIC	BUIC Winner
do	Byte Sports activity Badminton (Double) BUIC vs COMSAT	BUIC	BUIC Runner up
do	Byte Sports activity Basketball BUIC vs Reptor Club	BUIC	BUIC Winner
do	Byte Sports activity table tennis BUIC vs AU	BUIC	BUIC Runner up
do	Byte Sports activity Volleyball BUIC vs NUST	BUIC	BUIC Runner up
do	Byte Sports activity TOW CS Deptt vs Geo Deptt	BUIC	CS Deptt Winner
do	Byte Sports activity Cricket BUIC vs NUML	BUIC	BUIC Winner
do	Byte Sports activity FUTSAL BUIC (W) vs BUIC (B)	BUIC	BUIC (W) Winner

## BU Lahore Campus

BULC organized following inter departmental / Open university championships.

Date	Sports Events/Activities	Venue	Result
28 Jun 18	Interdepartmental Cricket match	Aleem Dar Cricket Stadium	Computer Sciences
29 June 18	Interdepartmental chess	BULC	Management Sciences

## BUM&DC

BUM&DC participated in DOW University sports competition:

Date	Sports Events/Activities	Venue	Result
12 to 17 March 18	DOW University Sports Competition: <ul style="list-style-type: none"> <li>Table Tennis match BUM&amp;DC vs DOW</li> <li>Basketball match BUM&amp;DC vs DOW</li> </ul>	DOW university Karachi	BUM&DC Runner-Up BUM&DC winner

## Sports Festival 2018

Ghulam Ishaq Khan Institute of Science and Technology (GIKI) invited several Universities, including Bahria University to, An All Pakistan Sports Festival, organized from 23rd to 25th February, 2018. An array of different interactive activities were

arranged for the students and Bahria University registered for 4 segments. The contestants came back with trophies. First position was secured by Osama Sohail in Tennis and the Cricket team emerged as runner up. Despite the injury of a player, the Football team did not lose its sportsmanship and made a comeback by defeating the opposing team.



## Inter college sports competition at Dow University of health sciences

The students of Bahria university medical and dental college participated in the sports event arranged by the Dow University of Health sciences and OJA , Karachi from 12/3/18 to 17/3/18 in various sports categories and make their institution proud by winning many games and proving that they are not



only good in Medical studies but are also physically well trained. Basketball girls tournament was won by team BUMDC Dua Sikandar & Leeza Tarar from BUMDC in women's squash winners. Dua Sikandar & Leeza Tarar from BUMDC in women's table tennis winners. Winners of women's athletics from BUMDC in Shotput 2<sup>nd</sup> position --- Leeza Tarar ,Discus

throw 2<sup>nd</sup> position--- Dua Sikandar,Hurdle race 2<sup>nd</sup> position---- Amina Javed,Long jump 3<sup>rd</sup> position----- Leeza Tarar,Winners of men's athletics,400m race 1<sup>st</sup> position--- Hamza Muzaffar,100m race 2<sup>nd</sup> position---- Hamza Muzaffar ,200m race 2<sup>nd</sup> position--- Zulhusnain Falak ,Shot put 3<sup>rd</sup> position--- M.Hassan Khan, Javelin throw 3<sup>rd</sup> position--- Shahaan.

## Glimpse Of Bumdc Representation At Duhs Sports Gala



Basket Ball Winning Team



400m race 1st position Hamza Muzaffar



200m race 2nd position--- Zulhusnain Falak





Long jump 3rd position----- Leeza Tarar



Hurdle race 2nd position---- Amina Javed





## Scavenger Hunt at Walled City Lahore

On 18 Mar 18, Student Resource Center BULC in collaboration with Ghoomo Phiro Adventure Shop and Sweet Tooth arranged a scavenger hunt at Walled City Lahore. 19 teams from BULC participated in this event. Teams had to find places inside the walled city, specified in the maps given to them in designated time. The activity started at Shahi Hamam, Delhi

Gate and culminated at Food Street. The first of its kind event in the Walled City of Lahore that enabled the participants to get to know their old city well, and mingle with the locals of the area. Participants discovered age old food joints and havelis, and got to interact with the most experienced people who had been serving the locals with their delicacies for over a century. The aim was to revive interest in these joints, and to educate the youth of the rich cultural heritage of Lahore. All that, and lots of fun in under 2 hours! It was a fun activity and the participants enjoyed a lot.



## HEC 15 Years Celebrations – Badminton Tournament

As part of HEC's 15 Years Celebrations, a badminton tournament was held at Bahria University Lahore Campus from 19-21 Sep 17. There were some exciting matches during the tournament. Rehman Afzal of BSCS-2 won the tournament by beating Muhammad Abdullah of BBA-4 in the final. Director Lahore Campus, Cdre M Amjad Zaman SI(M) (Retd.) awarded shield to the winner.





## Students Week Fall 2017

Students Week Fall 2017 was conducted at Bahria University Lahore Campus on 5 & 6 Dec 2017. Competitions were held in Cricket, Badminton, Futsal, Cricket, Chess, Table Tennis, Arm Wrestling and Tug

of War. Students participated in this event with great enthusiasm. Department of Computer Sciences led in most of the competitions, winning in Cricket, Chess, Table Tennis, Arm Wrestling and Tug of War. BBA won the Futsal Tournament.











# Chapter 11

## University Building Leadership





## University Building Leadership



### Training on Career Development

The training was organized by Leadership Development Center (LDC), Bahria University Islamabad. Mr. Irfan Nazir (Co-Founder & CEO) with his team from In-time Talent Enrichment

conducted a session on 17 April 2018 for the graduating students.

The training focused on Career Development and was designed to give the opportunity to the students to learn how to achieve their aspirations, improve self-awareness and skill development in tandem with market needs for a brighter future.

### Pre-Job Expo Workshop

The workshop was organized by Leadership Development Center (LDC), Bahria University Islamabad. Mr. Umar Chaudhry along with Mr. Usman Gulzari conducted the session on 9th, 10th and 11th of April for the graduating students.

The workshop focused on Resume development, Pre-interview Preparations, Interview Skills and Post-

Interview Planning and Execution. This course was designed to make student an ideal applicant for the job they desire. The participants were acquainted to what businesses are searching for in a potential employee, figure out how to make a professional CV and improve their interview skills. The workshop extensively discussed business attire for both males and females. The training was appreciated by the participant and they requested the trainers for more of these workshops on the theme of employability skills.





## Quran Course for Faculty, Staff & Students

LDC in collaboration with Alfalah Manzil Trust is organized Quran Course for Faculty Staff and Student on the directive of Worthy Rector. The course commencing from 10th October, 2018 is spread over 14 weeks (every Wednesday from 17:30 to 19:30) and consist of 20 contact hours of training. Mr. Arshad Iqbal Malik, Chairman Alfalah Manzil Trust is the resource person for the training and agreed to provide the training gratis for Bahria University. Course will help participants to understand the meaning of Quran & Salah. The course is offered for free to all participants under the ambit of BUHO community service. This also includes cost of Training Material that is Rs. 500/ Participant (Workbook and Notes).

BAHRIA UNIVERSITY  
in collaboration with  
**Alfalah Manzil**

**Learn the Meaning of Quran by  
Understanding Quranic Words**

STARTS **Oct 10, 2018**  
**Free Course**  
10 Weeks (20 Hours)  
Every Wednesday  
5:30-7:30 pm

TO REGISTER  
**LDC Office (051-9260811)**

OPEN FOR STUDENTS, FACULTY & STAFF  
15 ULP Credits for students taking this course

## Capacity building for students:

A five days Professional Training on Eidetic Psychotherapy was conducted from March 18<sup>th</sup> to 22<sup>nd</sup>, 2018 at Bahria University Islamabad Campus by Professional Psychology Department. The Resource

Person of the workshop was Akhtar Ali Syed, Principal Clinical Psychologist, Brothers of Charity Services in Waterford, Ireland. He has played an important role in introducing Eidetic Psychotherapy into number of universities in Pakistan. Training was attended by various professionals and students.







Department of Professional Psychology BUIC organized a 100 hours training in January 2018, on Hypnosis by Dr. Uzma Masroor (Clinical Psychologist, NGH Certified Hypnotherapist, & NLP Practitioner with Dr. Sobia Altaf and Dr. Imran Yousuf (Social & Mind Science Expert, Sitara e Imtiaz).





Department of Professional Psychology BUIC organized a 100 hours training from July 24th to August 4th, 2017 on Neurolinguistic Programming by Dr. Uzma Masroor (Clinical Psychologist, NGH Certified Hypnotherapist, NLP Practitioner, & HOD-PP). Training was attended by various mental health professionals and students of psychology.



A training session on Utilizing Play Therapy for Trauma Survivors was organized from July 19<sup>th</sup> to 21<sup>st</sup>, 2017 by the Department of Professional Psychology, Bahria University Islamabad Campus. The training was conducted by Prof.Dr.Zainab F.Zadeh, Dean Professional Psychology Department BUIC & Director Institute of Professional Psychology, BUKC. Training was attended by various mental health professionals and students of psychology.





## International Business Summer School Team Building Exercise

On August 7th, 2017, events club organized a team building exercise for the participants of international business summer school program. It included a number of team building and personal development activities, which enhanced students to improve their communication, morale, productivity and learn one's strength and weakness. The idea was to perform various activities that were both fun and challenging. Participants shared their personal experiences regarding the event right after which left a positive impact on us all.

On August 15th 2017, a mime was performed in Ibn e Khuldun Auditorium for the participants of Psychology summer school by the members of Arts and Dramatics club. This mime signified the concept of a very common dichotomy ie. Good and evil. Along with that, the audiences were entertained by illusional staged tricks of seemingly impossible feats using natural means. The event, on the whole, was very interactive and interesting as per the feedback given by all the participants.

The Music Society hosted a musical evening in Ibn e Khuldun Auditorium on August 17th 2017. The performers included members of music society as well as musicians from Islamabad and Rawalpindi. It was an evening rolled up in classical music with an equal blend of folk beats and gave a message of peace, love and harmony to the guest of honor, Dr. David Rowland.

## AIESEC Recruitment Session

AIESEC is the world's largest non-profit youth-run organization that develops and connects the next generation of young leaders with impactful

professional and volunteering experiences to activate their potential. On 14<sup>th</sup> September'17, an info session of AIESEC was conducted by its



representative in LT-2. Students were briefed as to how the organization functions and how is it beneficial if they become a part of it. Students certainly showed a very keen interest towards the organizations objectives.

## Participation of students in CDRS Youth Conference

CDRS held a Youth Conference on 17th, September 2017 at Serena Hotel, Islamabad. The students from Bahria University were sent an invitation to be a part of this session. It was very productive as the event optimized our students about the aims and ambitions of the organization which is directly concerned with firm ambition of promoting welfare of public at large without heeding geographical boundaries. Umair Jaswal (Singer and television actor, singer-songwriter and music producer), an alumnus of Bahria University and Todd Shea (Singer and Humanitarian, Founder and CEO- CDRS) spoke and performed some songs at the end of the event. CDRS also presented awards to the outstanding youth activists, youth achievers, social workers and dignitaries who are working for the betterment of their country and Humanity.

## Nust International Model United Nations (Nimum)2018

The students of BUM&DC participated in 5th NUST international model united nation conference that was organized by national university of sciences and technology Islamabad which was held from 26th jan

2018 to 29th jan 2018. The theme of NUMUN'18 was "in pursuit of peace" Our student usman tayyab 2nd year mbbs student secured honorary mention award among 700 delegates from different countries.

This was the first time in the history of bum&dc that institute supported and financed bumdc students in such an international event





## Voice Of Bahria – Season III



The Music Society continues to encourage the talented students, blessed with amazing voices, by providing opportunities and platforms that help them to polish their vocal cord. This year, music society conducted “VOICE OF BAHRIA – SEASON III” in collaboration with BUTV media house. The journey of VOB 3 started off on October 12th, 2017 and concluded on December 13th, 2017 in BU Carnival. This competition followed the format of Pakistan Idol and was a whole new experience for our students. The entire event was aired on BUTV as weekly episodes hosted by the members of Music Society where the students voted for their favourite contestant. Owais Khan took the stage by storm and was crowned the winner while Syed Naqi Hassan was the runner-up.



## Conference ON “Maritime Economy and the Geopolitics of the Ocean Rim”



Humanities and Social Sciences department in collaboration with the Institute of Strategic Studies Islamabad, organized a one day conference on “Maritime Economy and the Geopolitics of the Ocean Rim” on 22 February 2018. The aim of the conference was to look into challenges, plausible options and recommendations for Pakistan in order to infuse a new momentum and vigor to this vital and important pillar of Pakistan’s national power.

Dr. Azhar Ahmad, HOD, Department of Humanities and Social Sciences, Bahria University, Presented paper on “Indian Ocean Politics and Pakistan’s Maritime Compulsions” in the Conference.

1. Mr. Ahmad Taha, student of BS Geology 5th Semester, Bahria University, and Islamabad won the 2nd prize in English Essay writing Competition organized by HEC with collaboration of Ministry of Federal Education & Professional Training to celebrate 70th Anniversary of Pakistan.





Chief guest Mr. Jaffer Iqbal Minister of State for Maritime Affairs along with Dr. Mukhtar Ahmed, Chairman Higher Education Commission is presenting 2nd prize shield, certificate and PKR 75,000 to Mr. Ahmad Taha.

1. SPE-PAPG Annual Technical Conference 2017 was held on 22-23 November, 2017 at Pak-China Centre, Islamabad. This is worth reporting that

two MS Geology scholars, Mr. Jabir Hussain and Mr. Tassarwar Hayat got second and third position respectively in student paper presentation.

Tassarwar Hayat (MS Geology Student) receiving cash prize from Minister Petroleum Mr. Jam Kamal Khan.



## TECH Pakistan & ITCN Asia 2017 Conference on “Trends & Future in Pakistan” & Change Pakistan “Business & Leadership”

Manager BIC represented Bahria University Karachi Campus in both conferences Fintech “Trends & Future in Pakistan” Organized by TECH Pakistan & Change Pakistan “Business & Leadership” by JUMP Startup at Karachi Expo Center.



**17<sup>TH</sup> ITCN ASIA 2017**  
**FINTECH: TRENDS & FUTURE IN PAKISTAN**

 ALIM GHAURI CEO NETSOL	 FUROQAN H. QURESHI Trainer & Consultant Business & Technology	 JAVED EDHI Group Head Digital Bank & Innovation Sik Bank Limited	 ARSHAD ASHRAF Founder & Chairman Hilam Technologies Pvt. Ltd.	 FAISAL MAMSA Founder & CEO Landmark Investment	 TARA UZRA DAWOOD CEO 786 Investments Ltd.
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Organized by:





## Naat, Qirat and Speech Competition Fall 2017

On 13 Oct 17, Qirat, Naat and Speech Competition Fall 2017 was held at Bahria University Lahore

Campus. Director Lahore Campus, Cdre M Amjad Zaman SI(M) (Retd.) was the Chief Guest on this occasion. Winners and Runner Ups were awarded shields and certificates.



## LUMUN'14

A delegation of students from BULC participated in LUMUN'14 from 26 Dec 17 to 30 Dec 17 held at

Lahore University of Management Sciences. The event was a learning experience for the students and a chance for them to network with their peers from other institutions.



## Corporate Advisory Committee Meeting – BULC

Management Sciences Department Bahria University Lahore Campus held Corporate Advisory Committee Meeting on 19 Aug 17. Leading names from corporate

sector attended the meeting. Agenda of the meeting was to review the curriculum to align it with the current needs of industry so that the students are better equipped to face the challenges of the practical world. It was an interactive session where the participants gave valuable input.



## Cultural Day Celebrations 2018

Bahria University, in addition to its profound academic record, also emphasizes on the celebration of the rich culture of Pakistan to highlight the importance of traditions related to different ethnicities with the stress on unity. After the commemoration of foundation day, all students and faculty members were headed towards the Ibn-e-Sina Auditorium for the cultural day celebrations. Director General BUMDC graced the occasion along with Principal & Vice Principals of BUMDC.

The campus auditorium was brought to life by the arduous work of students. True culture of Pakistan was illuminated by the native dresses worn by the Bahrians preaching the Quaid's message of unity and brotherhood. The ceremony began at 11:30 am. Comparing and announcements are organized by debate and literary club. The ceremony begins with hilarious skit "BUMDC ka Dastar Khwan" that received applause and cheers from audience. It is followed by "Motion Video" comprised of Cultural Heritage of all the provinces of Pakistan. Northern areas of Pakistan, which form the roof of the world,

also possess a distinctive heritage that was presented by the Bahrain's through this video. Marvelous dance performance, presented by various students dressed in cultural apparel representing the national theme and four provinces of Pakistan. The cultural songs were heartwarming and audiences were cheering with all their heart. All the performances received applause and cheers from the audiences. As soon as the play ended the stage was rocked by the zealous dance performances and solo songs by the students. Sense of humor which forms the part and parcel of the colorful Pakistani nation was highlighted in various plays that were presented in a delightful manner. In the end, souvenir, shields and appreciation certificates were distributed by Honorable Director General BUMDC among the winning participants, organizers, and staff for their remarkable dedication in making the event possible. After the ceremony ended in the auditorium, all students and faculty members moved outside where different stalls were set up by the event club. The exquisite stalls highlighted the classy handicrafts from all over the country. Sindh, Punjab, Baluchistan, Khyber Pakhtunkhwa, and Gilgit Baltistan cultural specialties were displayed in the





of foundation and cultural day gave impetus to the fact that Bahria University is a torch bearer not only in academic field but also in extracurricular sphere, and this makes it unique in the league. Behind the success of this event were studious minds of faculty, students and staff of BUMDC, who worked day in and day out. The castles in the sky were brought into reality by

the industrious collective efforts of the Event Club, Arts and Dramatics Club, Music Club, Media Club and students who put their energies in the entire event, creating priceless moments in the way, that future doctors would cherish rest of their lives.

## Mehfil-E-Qirat-O-Naat, BUM&DC

A sublime and holy ceremony of “Mehfil-e- Qirat-o-Naat” was organized by the students of Bahria University Medical and Dental College on 29th of January 2018 held in Ibn-e-Sina Auditorium. The ceremony started with the recitation of Holy Qur’an and proceeded with brief enlightenment on importance of Holy Qur’an recitation and life of Prophet P.B.U.H

Director General Rear Admiral Retired Imtiaz Ahmad HI (M) the chief guest of the ceremony Principal & Dean BUM&DC Prof. Dr. Asadullah Khan, Principal Dental Section Prof. Dr, Wahab Kadri, Vice Principal Medical Section Prof. Dr Ambreen Usmani, Vice Principal DPT Dr. Khalid Aziz & Faculty members appreciated

the students for organizing such a graceful event. They also appreciated the organizers, volunteers for making this event a mega success

Ceremony was hosted by the students of final year MBBS. Hafiz Syed Ali Arslan, Saad Ullah Khalid, Jannat Mumtaz and Ahmer Shakeel were the organizers. The students of Dental section, namely, Amir Hamza, Leeza Khurram Tarar, Hafiza Jaweria (1st year BDS) and Ahmer Shakeel (Final Year BDS) showed spectacular performance in reciting naat & qirat. Dr. Aini Samreen Kanwal from gynecology department and Dr. Hina Wasti from department of General Pathology and Dr. Kulsoom Fatima Rizvi from the department of Community Dentistry also recited naat- e – shareef magnificently. Later the participants, volunteers and organizers received their certificates from the chief guest.





## GIMUN X Report

Bahria University debates club actively takes part in different MUNs happening all over Pakistan. GIKI (Ghulam Ishaq Khan Institute of Science and Technology) is known for hosting one of the most prestigious MUN in the country, GIMUN. Every year, hundreds of people across the country flock to KPK in November to attend this event. This year the event was dubbed as GIMUN X as the X represents the tenth GIMUN held by the university in roman numerals. Bahria university debates club like every year held extensive interviews and a mock session to judge and handpick people they shall be sending to compete in GIMUN. These duties were carried out by the club's secretary general and the coordinator MUNs Ghazmir Mansur and Laraib Zehra respectively and a total of 8 students were picked for 8 committees of the GIMUN. The team was briefed and mentored before and all throughout the event by Laraib and Ghazmir. This year GIMUN had a total of 8 Committees which were UNSC (United Nations Security Council), UNDP (United





Nations Development Programme), UNHRC (United Nations Human Rights Committee), Press Corps, DISEC (Disbarment and International Security Committee), PNA (Pakistan National Assembly), UNWomen and a specialized committee for Game of Thrones. Our team was assigned the country of Switzerland so all our participants represented Switzerland as delegates in the international Committee. All these committees discuss different issues pertaining to their own specific area of interest. Our team won one Best Delegate Award by Naila Shuja for Press Corps, Two Outstanding Diplomacy awards by Toufeeq Rahim and Salman Jaffri and an Honorary Mention by Amna Shahid.



## Seminar on Personality Development

Every person differs in how they perceive and portray their thoughts, feelings and emotions. This difference in perceptions and actions is called personality and the refinement of one's own persona is called personality development. Personality enhancement and grooming plays a vital role in image building. The most important thing while polishing an identity is that, one needs to accept their past and mistakes in order to make the present better by forgiving everything that's been done. To impart knowledge and awareness amongst the students, a seminar on Personality Development was arranged under the ambit of Community Support Program on Wednesday, 15<sup>th</sup> November, 2017 in the auditorium of BUIC. It was attended by students from Law and Psychology Department, who were guided by the guest speakers, Ms Mehwish Kamran, Public Relations Officer and Ms. Gul e Nayab, a Lecturer and a Motivational

Speaker from Management Sciences Department. The seminar began with Ms. Mehwish, who gave a brief introduction about what personality is and how personality and character differ from each other. For better understanding through demonstrations, students were chosen from the audience. What the audience thought and how they perceived particular events, was given much regard. Ms Gul e Nayab gave a lecture on how to negate pessimism and enjoy life to the fullest. To seek what and how others define 'Life', a short activity was conducted. The students drew a variety of symbols that defined what they understood about life and how they comprehend it. The purpose of the seminar was to groom the participants and make them have a mark of their own. It encouraged the individuals to look at the brighter sides of life. The purpose was to help them develop a positive attitude in life. The seminar gained positive feedback and active participation from the students in the audience. A series of questions by the audience were answered with patience and accuracy by the speakers.



## MoU signing between Bahria University and Pakistan Alliance for Girls Education (PAGE)

Bahria University Islamabad signed a Memorandum of Understanding (MOU) with Pakistan Alliance for Girls Education (PAGE) on December 5, 2017. The Contract signing ceremony was held at Director Campus Office where Cdre (R) Syed Hasan Mustafa HI (M), Director Islamabad Campus and Mrs Fajer Rabia Pasha, the Executive Director, PAGE signed the contract in the presence of team of Student Support Centre and officials from PAGE.

A brief introduction of both organizations was given and the future collaborations between both organizations



were discussed. Possibilities to strengthen partnership and developing work on various initiatives to support girls' education, women empowerment and entrepreneurship were also discussed.

## Awareness Session on Medication Safety

As per definition, medicines are used to treat diseases, manage conditions, and relieve symptoms. Although medicines are safe when used as prescribed or directed by a doctor, they have many risks that may lead to side effects and ultimately death. Under Community Support Program BU Islamabad collaborated with Shifa International on Wednesday, September 27, 2017 and organized an awareness session on medication safety. On account of that, the Chief of Pharmacy, Mrs. Salwa Ahsan was invited to the University to conduct the session. She is a Doctor

of Pharmacy and MBA in Health Care Management, IOBM in Karachi. She was previously leading the Pharmacy Services Department at Aga Khan University. Her experience in this field educated a huge mass of students. She mainly informed the students about different hazard symbols and the implication of medicines on the human body. Knowledge about incidents of household poisoning and harm were very descriptive. Each group of medicines was individually discussed. Precautionary measures to avoid harm were put forth, followed by the hospital's helpline in case of emergency. The seminar and the knowledge it imparted was not only beneficial, but highly necessary.





## BESTIVAL'18

Beaconhouse National University (BNU) organized an event, Bestival from 1st to 4th March, 2018. Students from Bahria University fervently participated in nine

activities and won trophies in Volleyball, Journalism and Extempore Declamation. Winning in Journalism was a great deal to the students of Bahria. Out of many Universities, Bahria stood first in Pakistan in Journalism and the team won much respect from the others.



## NIMUN

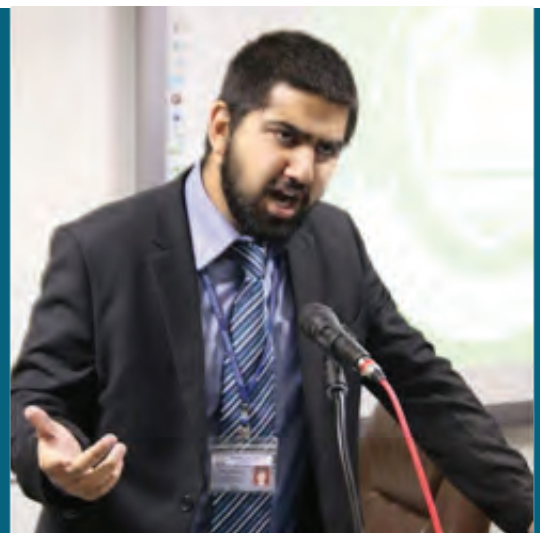
National University of Science and Technology (NUST) held Nimun'18 this year from 26th to 29th January, 2018. Several Universities, including Bahria

University, Islamabad Campus (BUIC) participated in the event. The results exhibited by the students of Bahria University were quite impressive. Amongst the segments that BUIC team participated in won, one Best Delegate for Press Corps, two outstanding Diplomacy Awards and two Honorary Mentions.



## HEC Declamation

Bahria University Islamabad's, Literary and Debates Society (BUILDS) conducted an HEC Declamations Contest, on 30<sup>th</sup> April'2018. Three reputed guests from National Defense University (NDU) were invited. The contest allowed both, English and Urdu speakers to exhibit their orating skills. Students from various departments zealously participated. Eloquent speakers aptly spoke on their topics and won exclamatory remarks by the audience.







BAHRIA UNIVERSITY

Chapter 12  
University  
Governance



BAHRIA UNIVERSITY



## University Governance

Bahria University is one of the leading public sector universities of Pakistan, which is dedicated to meet

### Bahria University's 37th BOG Meeting

The 37th scheduled meeting of the Board of Governors of Bahria University was held on 13th September 2017 at Bahria University Head Office Islamabad. The meeting was chaired by Admiral Muhammad Zakauallah NI (M), Chief of the Naval Staff/ Pro-Chancellor and Chairman Board of Governors Bahria University and attended by the board members, with

many complex challenges facing us today. The university has campuses, research institutes and colleges all over Pakistan which work towards grooming today's youth into becoming tomorrow's leaders.

detailed agenda. A detailed briefing was given on the progress of various ongoing projects, with special reference to growth of academic areas, new infra structures, budget, financial audits and formation of Trust Fund. Chairman BOG appreciated the progress in academic standards in the university in time with its vision and mission. In the end, Rector BU Vice Admiral (R) Tanveer Faiz HI (M) and members Board expressed vote of thanks to the outgoing Admiral Muhammad Zakauallah NI(M) as Pro-Chancellor of Bahria University.



37th BoG Meeting held on 13th September 2017



37th BoG Meeting held on 13th September 2017





38th BoG Meeting held on 30th January 2018



38th BoG Meeting held on 30th January 2018

The 38<sup>th</sup> scheduled meeting of the Board of Governors of Bahria University was held on 30<sup>th</sup> January 2018 in video conference room at Bahria University Head Office Islamabad. The meeting was chaired by Admiral Zafar Mahmood Abbasi NI (M), Chief of the Naval Staff/ Pro-Chancellor and Chairman Board of Governors Bahria University and attended by the board members. As part of the agenda, a detailed briefing was given on the progress of various ongoing projects, with special reference to growth of academic areas, new infra structures, budget, financial audits and formation of

Trust Fund. Chairman BOG appreciated the progress during the period and raising the academic standards in the university in line with its vision and mission.

In the end, Admiral Zafar Mahmood Abbasi NI (M) and members of the Board of Governors expressed vote of thanks to the outgoing Rector Vice Admiral (R) Tanveer Faiz HI (M) and applauded his personal contributions as well as leadership in making significant progress in all dimensions.



## 18<sup>th</sup> Foundation Day Of Bahria

Bahria University was established by Pakistan Navy through a presidential ordinance on 7<sup>th</sup> Feb, 2000. Every year, we celebrate this milestone across all campuses. The 18<sup>th</sup> foundation day was celebrated at BUMDC on 7<sup>th</sup> Feb, 2018 followed by cultural day celebrations. The day began with a graceful ceremony held in BUMDC courtyard at 10.30 am to commemorate the Foundation Day. The courtyard was embellished with the prime colors of Bahria University depicting the zeal and enthusiasm of Bahrians. All the faculty members, staff attended the

ceremony. Honorable Director General BUMDC Rear Admiral Imtiaz Ahmad HI (M) hoisted the national flag with full honors while faculty students and staff members sang the national anthem with pride. Flag hoisting was followed by cake cutting ceremony which was decorated with Bahria University logo. Director General BUMDC Rear Admiral Imtiaz Ahmad HI (M) along with Prof Asad Ullah Khan (Dean & Principal of Medical Section), Prof Wahab Kadri (Principal Dental Section), Dr. Khalid Aziz (Vice Principal Physiotherapy section), Dr. Ambreen Usmani (Vice Principal Medical Section) and Dr. Kulsoom Fatima Rizvi (Vice Principal Dental Section) cut the cake and were received by an immense applause



On 7 Feb 18, Bahria University's Foundation Day was celebrated with zeal and zest at Bahria University Lahore Campus. The day began with flag hoisting ceremony by the Director Lahore Campus followed by presentations on the journey of Bahria University through all the years since its inception on 7 Feb, 2000. The day ended with the cake cutting ceremony.

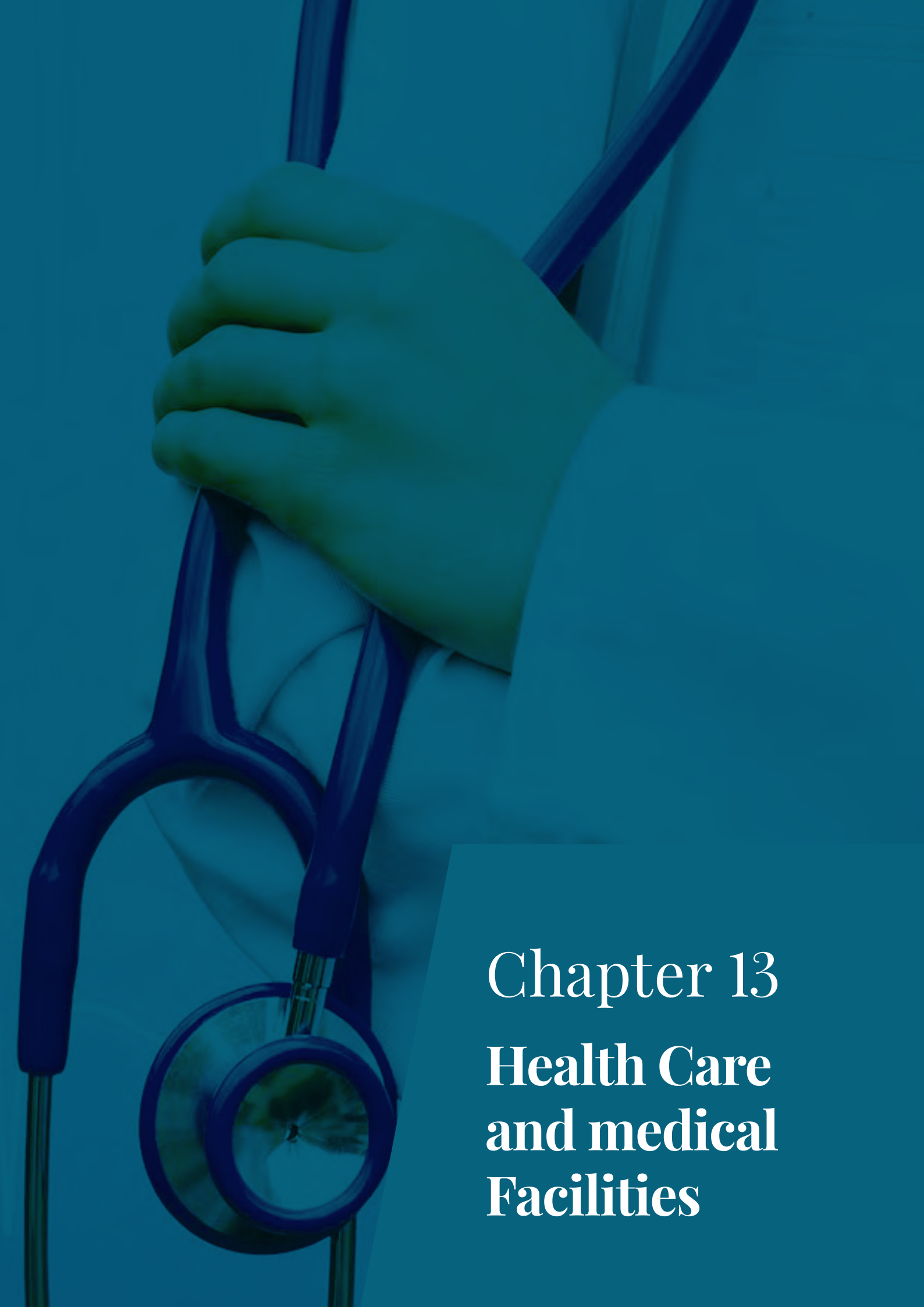




## BoG and Executive Committee Meetings

S No.	BoG / ECM	Date of Meeting
1.	37th BoG Meeting	13 September 2017
2.	38th BoG Meeting	30 January 2018
3.	10th Executive Committee Meeting	08 November 2017
4.	11th Executive Committee Meeting	12 June 2018



A close-up photograph of a hand holding a blue stethoscope. The hand is positioned in the upper left, with fingers wrapped around the binaural part of the stethoscope. The stethoscope's tubing extends upwards and then downwards towards the chest piece. The chest piece is visible at the bottom left. The background is a solid teal color. A semi-transparent teal rectangle is overlaid on the bottom right, containing the chapter title in white serif font.

**Chapter 13**  
**Health Care**  
**and medical**  
**Facilities**





# Health Care and medical Facilities

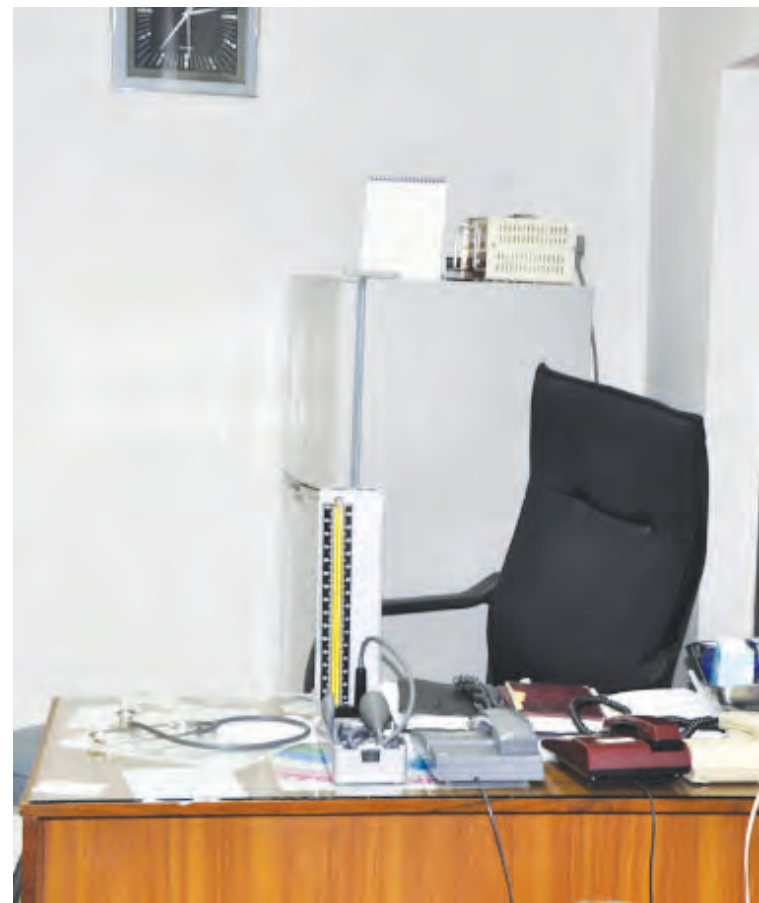
## Facilities at BU Campuses

Bahria University is one of the prominent institutions where students, officers, staff and faculty receive the medical / emergency first aid services and counseling support services. Medical consultation and free medications is being provided to the staff and students up to an average of 60 patients daily. A setup of day care center with two ayas for kids of faculty members and health insurance office are also working in collaboration of medical care unit.

In order to provide medical facilities in a logical, organized and to ensure cost effectiveness of the scheme, Health Insurance coverage is made mandatory for all faculty members, officers and administrative staff of Bahria University. Currently Jubilee General Insurance Company (JGI) is providing Health insurance coverage to BU Employees and their dependents.

Jubilee insurance company mobile application can be down loaded from Play store. The application provides information on location of panel hospitals, discount centres for laboratory tests, claim status and complaint option.

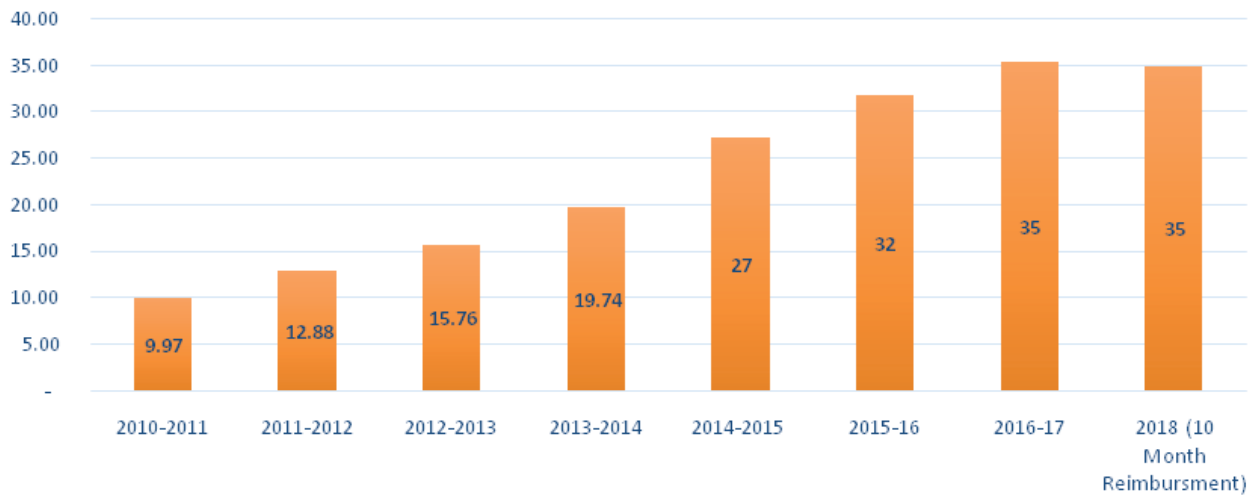
Information on scope of healthcare services, list of panel hospitals, policy exclusions, common mistakes in filing up of claim forms and standardized formats of OPD & IPD claim forms is placed on BU website.



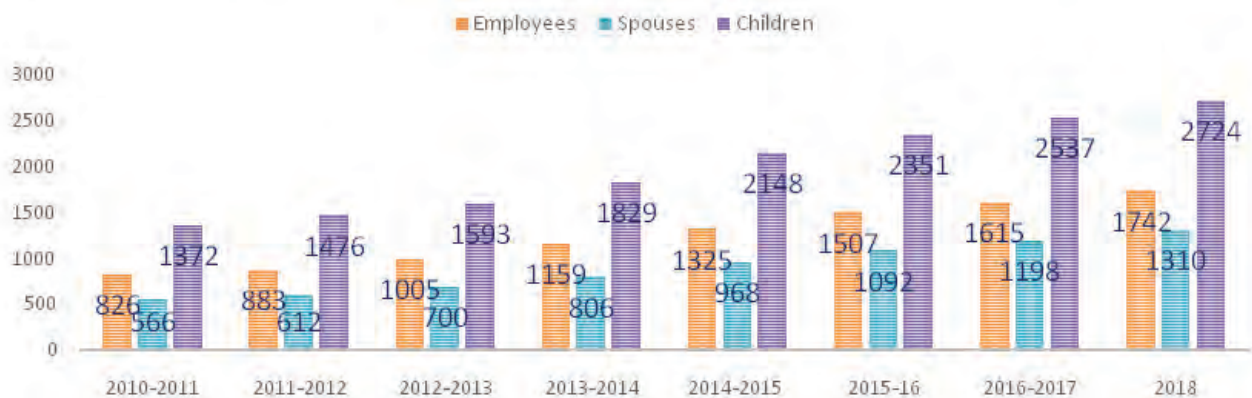


Following graphical representations show the illustrative view of services and contribution of this policy during the year 2017-18:

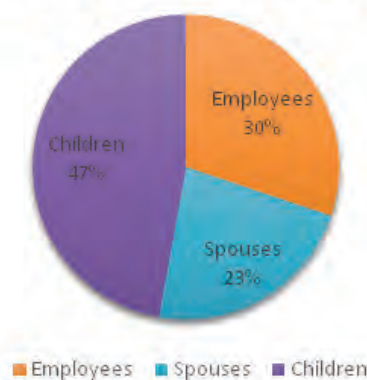
### IP/OPD Reimbursement (PKR in Million)



### STRENGTH OF EMPLOYEES / SPOUSES AND CHILDREN



### Ratio of employees and dependents for current year policy



## Well-Being Centre Trauma Therapy Unit (TTU)

In the present scenario of country, the psychological problems are rising with the time and traumatic events and experiences of individuals are increasing with the severe frequency, the intensity of psychological trauma is rising. Therefore, it is a need of time to

address this issue on national level to improve the mental and physical health of individuals. Well-being center at Bahria University is promoting healthy environment within university premises and focusing to indulge international bodies to widen the horizon and credibility of their functionality. Qualified staff with clinical expertise are serving to help individuals to solve their emotional, stress and other psychological issues. WBC team offers free support to all enrolled students, Faculty and Staff experiencing distress

# TRAUMA THERAPY UNIT

*Repair Regain Restore*

## Introducing First Trauma Therapy Unit:

Under the facility of Wellbeing Centre (WBC), Trauma Therapy Unit (TTU) of Bahria University present consultancy and expertise to manage and provide intervention for all types of trauma's; that includes personal and collective trauma.

The panel of consultants are trained and specialized in "Eidetic Model of Trauma Therapy" from Eidetic Psychology Solutions, Ireland under the supervision of Dr. Akhtar Ali Syed, Principal Clinical Psychologist, Brothers of Charity Services, Waterford, Ireland and Director Eidetic Psychology Solutions, Ireland.

After initial screening from WBC, the cases will be forwarded to TTU, where complete care and intervention will be implemented. This type of specialized and focused treatment and handling of trauma cases is not prominently evident in Pakistan as yet, So WBC (BUIC) has taken the initiative of launching the said domain.

Trauma comes in many forms, and there are vast differences among people who experience trauma, the most common.

### Symptoms of psychological trauma may include the following:

- Intrusive thoughts and visual images of the event
- Nightmares
- Loss of memory
- Disorientation/ Confusion
- Mood swings
- Avoidance of activities or places that trigger memories of the event
- Social isolation and withdrawal
- Lack of interest in previously-enjoyable activities
- Tremendous fatigue and exhaustion
- Tachycardia
- Insomnia
- Changes in sleeping and eating patterns
- Overwhelming fear
- Emotional numbing
- Depression
- Disbelief
- Irritability
- Anger
- Anxiety
- Panic attacks



#### In charge – Admin Trauma Therapy Unit

Ms. Uzma Q. Khan  
Sr Lecturer  
Professional Psychology, Department  
BUIC.

#### Supervisor / Consultant Trauma Therapy Unit

**Dr. Akhtar Ali Syed**  
Principal Clinical Psychologist  
Brothers of Charity, Ireland.  
**Dr. Uzma Masroor**  
Head of Department  
Professional Psychology  
BUIC









# Chapter 14

## Budget & Finance





## Budget & Finance

Bahria has allocated a lot of resources for its market-based, competitive initiatives that allows the university to develop new programmes, spend on development of new infrastructure to carry these programmes, and sustain these initiatives with continuous provision of resources. The statement of Financial position as at 30 June 2018, Income and expenditure account for the year ended 30 June 2018, and statement of other comprehensive income for the year ended 30 June 2018 are as follows:

### BAHRIA UNIVERSITY STATEMENT OF FINANCIAL POSITION AS AT 30 JUNE 2018

	NOTE	2018 Rupees	2017 Rupees
<b>ASSETS</b>			
<b>NON-CURRENT ASSETS</b>			
Property and equipment	4	2,145,648,459	1,874,709,447
Long term investment	5	10,010,317	10,010,317
Long term deposits		9,764,410	9,751,010
		<u>2,165,423,186</u>	<u>1,894,470,774</u>
<b>CURRENT ASSETS</b>			
Advances	6	30,658,282	22,634,548
Prepayments		5,930,938	5,358,582
Other receivables	7	59,877,490	30,419,519
Short term investments	8	313,799,956	304,548,996
Cash and bank balances	9	1,027,474,841	981,476,063
		<u>1,437,741,507</u>	<u>1,344,437,708</u>
<b>TOTAL ASSETS</b>		<b><u>3,603,164,693</u></b>	<b><u>3,238,908,482</u></b>
<b>FUND, RESERVE AND LIABILITIES</b>			
<b>FUND AND RESERVE</b>			
General fund	10	3,171,700,479	2,690,798,585
Fair value reserve		10,317	10,317
<b>Total fund and reserve</b>		<u>3,171,710,796</u>	<u>2,690,808,902</u>
<b>NON-CURRENT LIABILITIES</b>			
Deferred credit - grants	11	85,292,956	230,000,000
Students' security deposits	12	210,869,702	192,317,447
		<u>296,162,658</u>	<u>422,317,447</u>
<b>CURRENT LIABILITIES</b>			
Current portion of student's security deposits	12	18,763,745	17,960,480
Other payables	13	116,527,494	107,821,653
		<u>135,291,239</u>	<u>125,782,133</u>
<b>TOTAL LIABILITIES</b>		<b>431,453,897</b>	<b>548,099,580</b>
<b>CONTINGENCIES AND COMMITMENTS</b>	14		
<b>TOTAL FUND, RESERVE AND LIABILITIES</b>		<b><u>3,603,164,693</u></b>	<b><u>3,238,908,482</u></b>

The annexed notes form an integral part of these financial statements.



**BAHRIA UNIVERSITY  
INCOME AND EXPENDITURE ACCOUNT  
FOR THE YEAR ENDED 30 JUNE 2018**

	NOTE	2018 Rupees	2017 Rupees
<b>INCOME</b>			
Fee income	15	2,798,617,878	2,309,065,183
Amortization of grants	11	286,526,653	132,926,796
Other income	16	166,511,521	148,806,459
		<u>3,251,656,052</u>	<u>2,590,798,438</u>
<b>EXPENDITURE</b>			
Salaries, wages and other benefits		1,755,667,372	1,498,535,631
Traveling expenses		16,886,467	13,105,770
Repair and maintenance		89,524,684	94,815,652
Workshops and conferences		11,346,267	15,749,313
Utilities and communication		90,403,291	79,124,727
Professional services		1,649,225	2,208,596
Patients Consultation Fee		645,681	515,239
Security Services Charges		21,846,946	22,709,100
Audit fee		249,000	120,000
Equipment operation		9,444,846	8,489,878
Donation		11,217,619	5,595,740
Student expenses		43,352,393	41,147,224
Entertainment expenses		7,448,790	6,374,806
Newspaper and periodicals		10,393,556	3,992,338
Printing and stationery		23,011,635	25,566,124
Insurance		1,984,975	1,886,981
Postage and courier expenses		2,374,807	1,984,404
Renewals, registration and licenses		10,272,079	7,078,784
Scholarships		50,692,403	43,389,600
Advertisement and publicity		6,651,754	7,033,649
Rent, rate and taxes		35,838,751	26,265,814
Affiliated examination expenses		37,010,000	30,522,563
Research and development		46,248,203	51,209,925
Depreciation	4.1	446,035,166	205,975,510
Bank charges		584,714	326,920
Hostel expenses		11,555,308	14,022,603
Sports activities		1,324,765	1,741,729
New intake expense		18,563,377	19,729,931
Gardening, cleaning and garbage expenses		2,499,441	2,501,038
Miscellaneous		6,048,040	5,623,573
		<u>2,770,771,555</u>	<u>2,237,343,162</u>
<b>SURPLUS FOR THE YEAR</b>		<u><u>480,884,497</u></u>	<u><u>353,455,276</u></u>

The annexed notes form an integral part of these financial statements.

**BAHRIA UNIVERSITY**  
**STATEMENT OF OTHER COMPREHENSIVE INCOME**  
**FOR THE YEAR ENDED 30 JUNE 2018**

	<b>2018</b>	<b>2017</b>
	<b>Rupees</b>	<b>Rupees</b>
<b>SURPLUS FOR THE YEAR</b>	480,884,497	353,455,276
<b>OTHER COMPREHENSIVE INCOME</b>		
<b>Items that may be reclassified subsequently to income or expenditure</b>		
Surplus on remeasurement of investment to fair value	-	10,317
<b>Items that will not be reclassified to income or expenditure</b>	-	-
	-	10,317
<b>TOTAL COMPREHENSIVE SURPLUS FOR THE YEAR</b>	<b>480,884,497</b>	<b>353,465,593</b>

The annexed notes form an integral part of these financial statements.





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