



**ANNUAL  
REPORT  
2018-2019**







**BAHRIA UNIVERSITY**  
Discovering Knowledge

**ANNUAL REPORT  
2018-2019**

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



## LIST OF ABBREVIATIONS

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

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

# Contents

Rector's Message	VI
Executive Summary	VIII
Vision, Mission	X
Strategic Goals	XII
About the University	XIV
Chapter 1	01
<b>ACADEMIC ACTIVITIES</b>	
Chapter 2	27
<b>RESEARCH &amp; DEVELOPMENT</b>	
Chapter 3	55
<b>QUALITY ASSURANCE</b>	
Chapter 4	65
<b>INTERNATIONAL COLLABORATIONS</b>	
Chapter 5	73
<b>STRENGTHENING &amp; UPGRADATION</b>	
Chapter 6	81
<b>FACULTY DEVELOPMENT</b>	
Chapter 7	89
<b>ACCESS</b>	
Chapter 8	97
<b>UNIVERSITY BUILDING ECONOMIES</b>	
Chapter 9	107
<b>UNIVERSITY BUILDING COMMUNITIES</b>	
Chapter 10	125
<b>SPORTS</b>	
Chapter 11	133
<b>UNIVERSITY BUILDING LEADERSHIP</b>	
Chapter 12	141
<b>UNIVERSITY GOVERNANCE</b>	
Chapter 13	151
<b>HEALTH CARE &amp; MEDICAL FACILITIES</b>	
Chapter 14	159
<b>BUDGET &amp; FINANCE</b>	

# Rector's Message



**Vice Admiral Kaleem Shaukat HI (M)**  
Rector Bahria University



It is indeed a unique opportunity to head Bahria University as one of the leading Public Sector Universities of Pakistan, dedicated to meet academic challenges of the contemporary world. With an illustrious history spanning over two decades, Bahria University has a distinct place in Pakistan's Higher Education Sector, contributing to serving the country in various academic fields.

This annual report will take you through the achievements made by the University in strategic areas of Education, Communication, Community Leadership, Research & Innovation and Partnership, during 2018-19. The scale and speed of change related to the implementation of our Strategy during 2018-19 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 expanded significantly in recent years.

With an aim "To become an Internationally recognized University that contributes towards the development of the nation through Excellence in Education and Research", Bahria University is committed to conduct quality research that will benefit society on a vast scale. Bahria University is a special place where students and professors enjoy a distinct educational environment. Students have an opportunity to experience diversity of cultures and develop a sound sense of respect, tolerance, and friendship contributing towards progress, international collaboration, peace, and dialogue.

The success we have reached this year shall pave a way to be creative academically, thus building a prosperous and harmonious society. Bahria University will continue to align strategically with HEC's vision by contributing to the socio-economic development of Pakistan and grooming future leaders for the nation.

“  
**To become an  
 Internationally  
 recognized  
 University that  
 contributes towards  
 the development  
 of the nation  
 through Excellence  
 in Education and  
 Research**  
 ”

# Executive Summary

Bahria University since its inception in the year 2000, has emerged as one of the premier institutions of national and International recognition, imparting quality education in the disciplines of Engineering, Medicine, IT, Management and Social Sciences. I am pleased to highlight that university has leaped forward in academics by improving quality of teaching, learning and research. This report encompasses various academic activities by enumerating undergraduate and postgraduate programs, campus-wise & discipline-wise along-with strength of faculty & students in 2018-19. A brief description regarding graduating students, achievements of faculty, students and convocations held during last one year are also covered in this report.

The university has strengthened research by enhancing university-academia linkages and signing MOUs with University of Baltistan, Skardu and Lasbela university of Agriculture, water and Marine Sciences. Under University-Industry linkages, 11 MOUs were signed this year. In the domain of commercialization of research nine patents were filed by the researcher of the Bahria University. During the period under review, university implemented a framework for promotion of research, innovation and entrepreneurship. Research and development

activities such as research publications, research projects, conferences, workshops & seminars have also been included in the report. Bahria University is adhering to National Quality Assurance Codes based on HEC's QAA guidance in formulating academic procedures including programme design, teaching & learning, student engagement, assessment, external examination and research. In order to ensure adherence to national standards BU academic programmes are regularly assessed through internal and external periodic reviews. This year nine postgraduate programs acquired NOCs from the QAD of HEC. At institutional level mock audit and self-academic audits of almost all undergraduate, MS/MPhil and PhD programs of all campuses were conducted. The report provides information about procedures and corrective measures and initiatives adopted in ensuring quality of education, research and accreditation process in the university. This year 251 research publications made by faculty members and researcher of Bahria University received cash award amounting 9.27 Million Rupees. Bahria University has received shield and certificate for being ranked in QS Asia Ranking 2019.

BU is continuously striving for quality enhancement of its programs increasing



International linkages, strengthening foreign collaboration & global image. To date 36 MoUs have been signed between BU and foreign universities worldwide. During last one year, 43 students of Bahria University joined Turkish Universities under Student's Exchange Program.

It is important to mention that, University offered Advance Merit Scholarship, Financial Assistance and Indigent Scholarship to the deserving students from its own resources. For the current Fiscal Year 2018-19, Bahria University has disbursed scholarships to 2209 students through an allocated budget of Rs. 74.307 Million. Merit scholarship for batch toppers were distributed among 759 students amounting Rs. 14.9 Million. From external resources BU distributed 517 scholarships of 53.914 Million. Bahria University Medical and Dental College awarded 19 scholarships of 1.5 Million Rupees during the FY 2018-19.

The university has established linkages with the industry for Internship and placement of its students. With the increasing academic vistas at Bahria University, the Office of the Student Affairs and Career Services has also geared up to further enhance its role in increasing employability for students of all the disciplines. Career Expo 2018 and 2019 was organized in

which more than 100 leading companies from Telecom, FMCG, Services, Manufacturing, NGOs, Banking Sector and other top ranked business organizations were invited to conduct their recruitment drive. The community support initiatives launched in collaboration with numerous non profit organizations of Pakistan. Bahria University plans for improvement, and commitment to bring constructive change in students' behavior and personality. Under the auspices of SRC (Student Resource Centre) formed various clubs and societies have been formed to engage students in different co-curricular and extracurricular activities. Bahria University's students took prominent positions in HEC intervarsity sports championships.

The progress made by the Bahria University during the year shows a high-level commitment, dedication and support from all the officers, staff members, students, faculty members, administration and especially the top management. I am sure, Bahria University will keep preparing our youth to become future leaders, professionals and managers for a prosperous Pakistan.

#### **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 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.

## **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.

## **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.

## 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.

## 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.

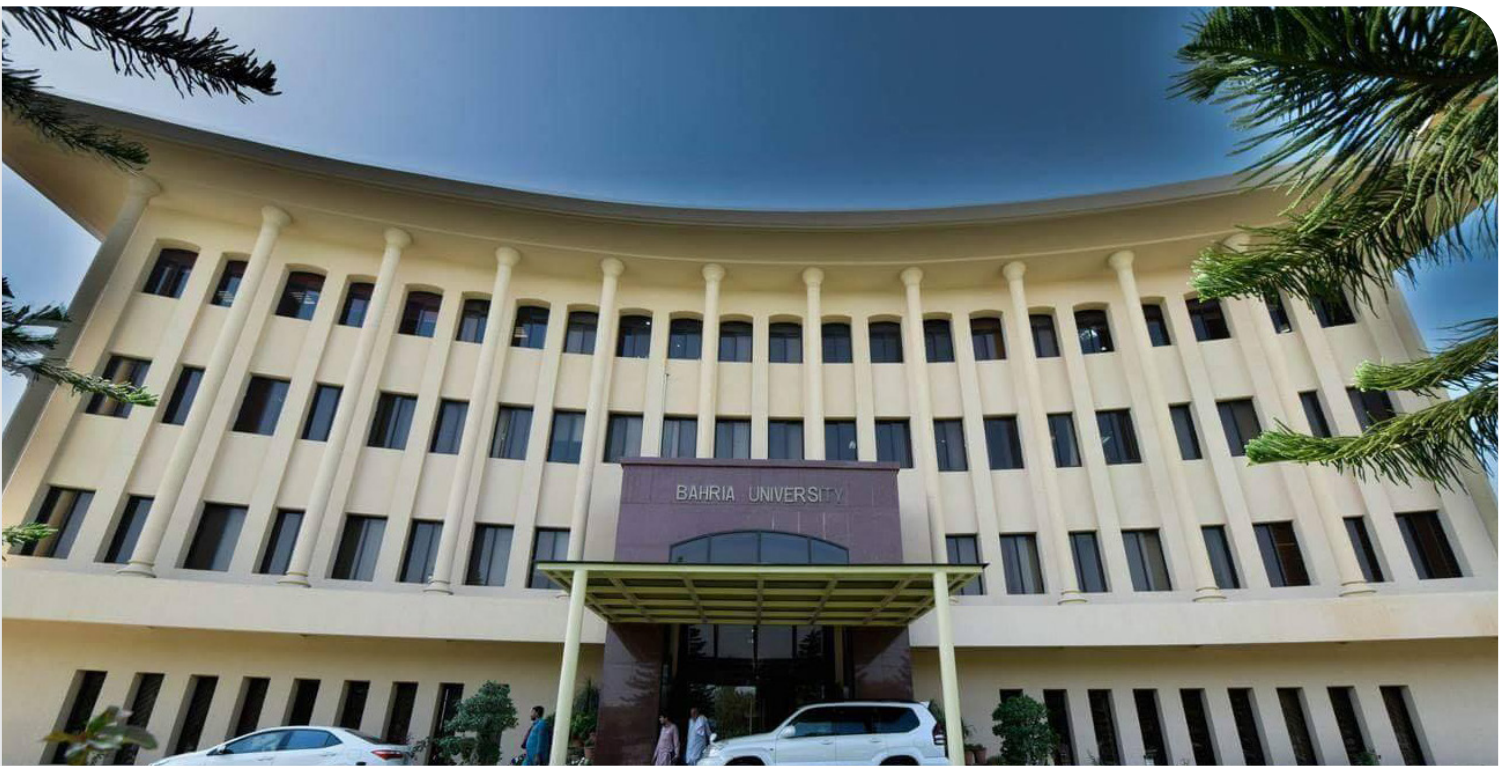


## Bahria University

Bahria University is a Federally Chartered Public Sector University which was established on February 7, 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 16,000 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 with the aim of inspiring excellence and 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 together with 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, students 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 include equal educational opportunity, excellence, diversity integrity and service etc.





## Karachi Campus

Bahria University Karachi Campus (BUKC) was founded with a purpose to create economic, societal and intellectual prosperity for all. We began as an institution teaching wide range of subjects including Management Sciences,

Computer Sciences, Software Engineering, Computer Engineering, Electrical Engineering and Media Studies. Our high-performing students apply their learning in the real world by conducting research, internships and co-ops, and contributing in world-changing service. This experiential education ensures their capability to lead the workforce.



## 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 therapeutic plans that are tailored to suit the individual needs. In addition to clinical practice, the Institute is also actively involved in providing assessment and counseling services to various multinational organization. Various 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

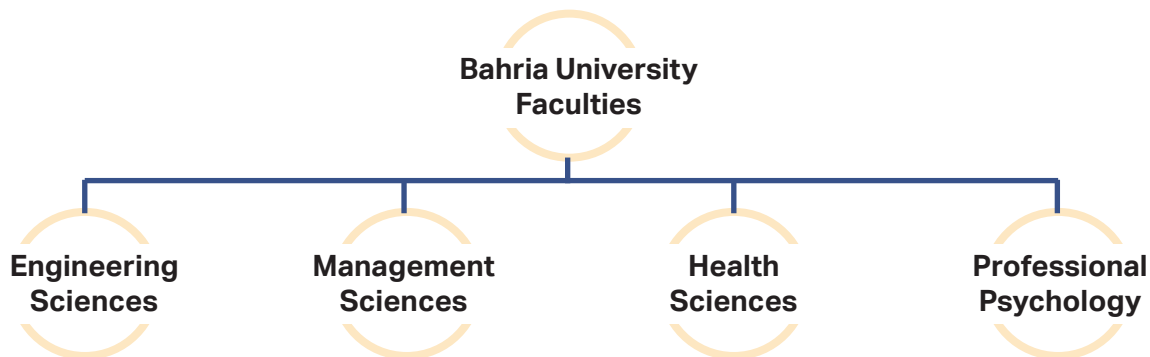
# Academic Activities

Chapter 1

# Academic Activities

# Academic Activities

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 of Engineering Sciences**  
**Islamabad Campus**  
 Department of Software Engineering  
 Department of Electrical Engineering  
 Department of Computer Engineering  
 Department of Computer Science  
 Department of Earth & Environmental Sciences

**Karachi Campus**  
 Department of Computer Engineering  
 Department of Software Engineering  
 Department of Electrical Engineering  
 Department of Computer Science  
 Department of Earth & Environmental Sciences

**Lahore Campus**  
 Department of Computer Science

**Faculty of Management Sciences**  
**Islamabad Campus**  
 Department of Management Studies  
 Department of Business Studies  
 Department of Humanities & Social Sciences  
 Department of Media Studies

**Karachi Campus**  
 Department of Management Sciences  
 Department of Humanities & Social Sciences

**Lahore Campus**  
 Department of Management Sciences

**Faculty of Professional Psychology**  
**Islamabad Campus**  
 Department of Professional Psychology

**Institute of Professional Psychology, Karachi**  
 Department of Professional Psychology

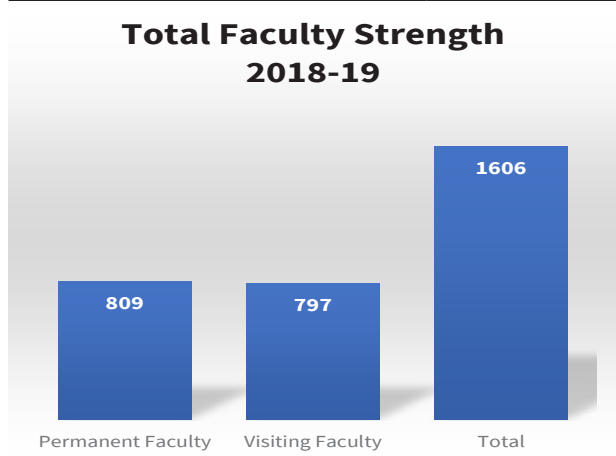
**Faculty of Health Sciences**  
**Bahria University of Medical & Dental College Karachi**  
 PNS SHIFA  
 Department of Dental Section  
 Pre – Clinical Sciences  
 Department of Clinical Sciences

**Islamabad Campus**  
 Department of Law

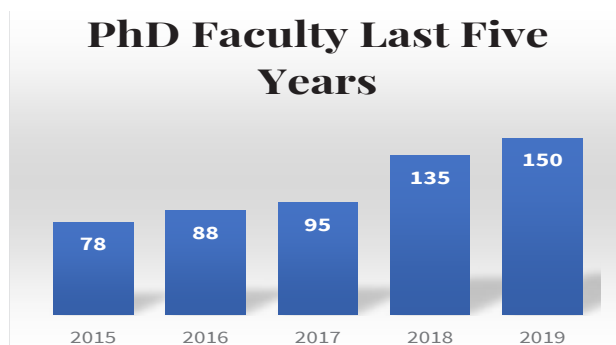
## Faculty

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

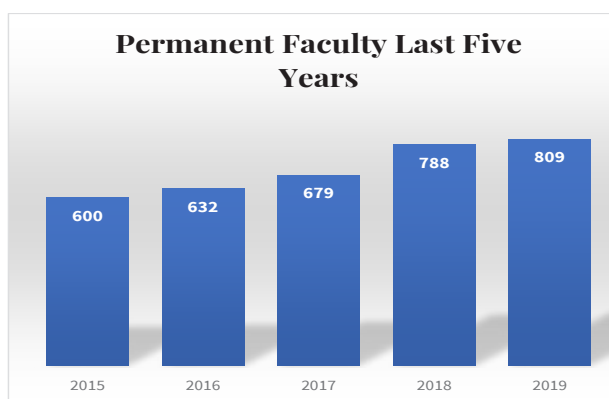
Total Faculty Strength	
Permanent Faculty	809
Visiting Faculty	797
<b>Total</b>	<b>1606</b>



PhD Faculty- Year Wise	
2015	78
2016	88
2017	95
2018	135
2019	150



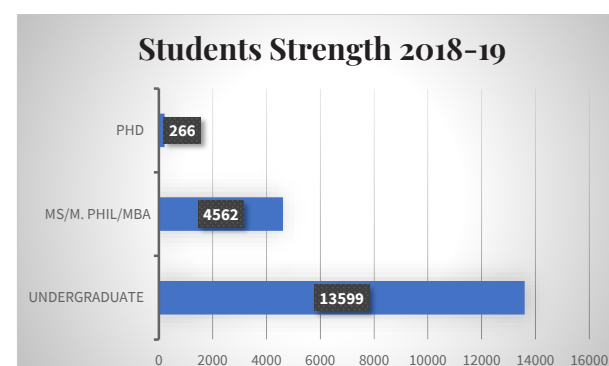
Permanent Faculty Strength-Year Wise	
2015	600
2016	632
2017	679
2018	788
2019	809



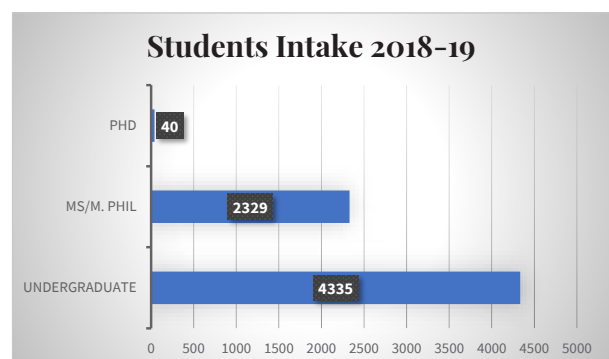
## Students

The following tables and graphs present the significant information regarding total student strength, student intake and graduated students (campus wise) of Bahria University in 2018-19 at undergraduate, graduate and post graduate level.

Category	Strength
Undergraduate	13599
MS/M. Phil/MBA	4562
PhD	266



Category	Intake
Undergraduate	4335
MS/M. Phil	2329
PhD	40

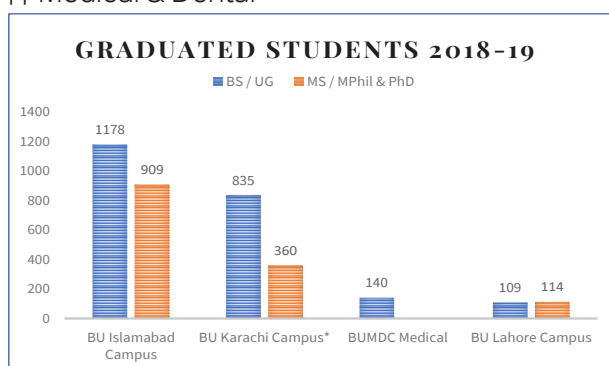




<b>Graduating Students 2018-19</b>		
<b>Campus</b>	<b>BS / UG</b>	<b>MS / MPhil &amp; PhD</b>
BU Islamabad Campus	1178	909
BU Karachi Campus†	835	360
BU Medical & Dental College ††	140	-
BU Lahore Campus	109	114
<b>Total</b>		

† BUKC, IPP & IMA

†† Medical & Dental



## Postgraduate Programs

At present Bahria University is running 31 MS/MPhil and 14 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:

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

<b>S. No.</b>	<b>Campus</b>	<b>PhD Programs</b>	<b>MS/MPhil Programs</b>
1	BUIC	14	25
2	BUKC	6	15
3	BULC	1	3
4	IPP	1	2
5	BUM&DC	-	3

During the period under review a number of PG programs were submitted to HEC for NOC. Amongst these, 08 Programs after approval

from HEC have been launched during the said period. Detail of all these PG programs is appended below:

### PG Programs Launched during 2018-19

<b>S#</b>	<b>Programs</b>	<b>Department</b>	<b>Campus</b>
1	MS (Data Sciences)	CS	BUIC
2	PhD (Economics)	MS	BUIC
3	LLM (International & Maritime Law)	Law	BUIC
4	PhD (International Relations)	H&SS	BUIC
5	PhD (Geophysics)	E&ES	BUIC
6	MS (Management Sciences)	MS	BULC
7	MS (Maritime Trade & Logistics)	H&SS	BUKC
8	MS (Maritime Ports & Shipping Management)	H&SS	BUKC
9	PhD (Management)	MS	BULC

In addition, following PhD scholars have graduated during 2018-19 from Bahria University:

### PhD Produced by Bahria University during 2018-19

<b>S#</b>	<b>Name of Scholar</b>	<b>Year</b>	<b>Program</b>	<b>Campus</b>
1	Mr Israr Ud Din	2019	PhD (CE)	BUIC
2	Mr Syed Harris WLaeque	2019	PhD (MS)	BUIC

## New Academic Programs

Bahria University Medical and Dental College offered the following Undergraduate, Postgraduate and Ph.D. Programs at its different campuses during 2017-2018 apart from MBBS and BDS programs

### a) College of Doctor of Physical Therapy (DPT)

Doctor of Physical Therapy (DPT) program is a semester based, five-year degree program with annual induction. Education in Physical Therapy is primary care specialty in medicine by using Biomechanics, Kinesiology, Manual Therapy and Electro-Physical. In February 2017 32 students

were inducted in 1st year while in 2018, 76 students were inducted in the second batch of the same year.

### b) Postgraduate Program

MPhil Programs in Basic Medical Sciences (2-year degree program) i.e. Anatomy, Pathology and Pharmacology approved by PMDC and HEC and started w.e.f July 2017. In this regard Government of Pakistan issued Gazette Notification on July 6, 2017. For MPhil Programs in Biochemistry and Physiology college the inspection is in the pipeline.

### c) BS in Medical Laboratory Technology (MLT) Program

Medical Laboratory Technology is a four years degree program to deliver education in advanced and modern technology related to laboratory in the medical field. In 2018, 14 students were inducted in this program.

### d) Nursing Program

PN School of Nursing and PNS Shifa became Constituent Unit of Bahria University in the 37th Board of Governors (BOG) meeting and was renamed as Pakistan Navy Nursing College (PNNC) in the 38th BOG meeting.

#### BUMDC Medical & Dental College

Undergraduate Program	Duration
BS MLT BS in Medial Lab Technology	4 Years

Postgraduate Program	Duration
MPhil in Anatomy	2 Years
MPhil in Pharmacology	2 Years
MPhil in Pathology	2 Years

#### BU College of Physical Therapy

Undergraduate Program	Duration
DPT Doctorate of Physical Therapy	5 Years

### 5th Convocation BUMDC 11-04-2018

The 5th MBBS and 2nd BDS Convocation of Bahria University Medical & Dental College was held to commemorate the academic accomplishments of its Medical and Dental students. The students were honored with Gold and Silver Medals and Merit Certificates for their outstanding achievements in their academic career at the Convocation.

Chief of the Naval Staff, Admiral Zafar Mahmood Abbasi NI (M) graced the occasion as Chief Guest and conferred degrees upon 133 graduating doctors. Gold and Silver medals were awarded to 4 graduates. 2 students clinched Gold Medals (1 each in MBBS and BDS) whereas 2 students got silver medals (1 each in MBBS and BDS).

While Congratulating and extending felicitations to the graduates on their commitment, the Chief of Naval Staff advised the graduates to be men and women of sterling character, with positive attitude towards life, and sacrifice personal gains for the national interests. Naval Chief appreciated the contributions of Bahria University Medical and Dental College in imparting requisite education.

Earlier, in his welcome address, Vice Admiral (R) Muhammad Shafique HI (M), Rector Bahria University congratulated students on their success.

Bahria University envisions inculcating students with quality education and is taking all measures to ensure the standards at par with reputed medical universities of the country and abroad. It is committed to its journey of





academic excellence and will continue to strive for progress in the fields of medicine, Dental, Physical Therapy, Lab technologies and Nursing in terms of education and research.

Rector Bahria University further highlighted the Bahria University's programs, are fully endorsed by regulatory authorities like Pakistan Medical and Dental Council (PMDC) and Higher

Education Commission of Pakistan (HEC). Whereas PhD in Basic Health Sciences, MD/MS programs in Clinical Health Sciences, Establishment of Institute of Postgraduate Health Sciences and Colleges of pharmacy and Biotechnology are some of our future goals. The ceremony was attended by senior officials of the education sector, Naval Officers and parents of the graduating doctors.

### 20th Convocation BUIC 28-11-2018

Bahria University Islamabad Campus held its 20th Convocation at Jinnah Convention Center Islamabad. Mr. Ali Muhammad Khan, Minister of State for Parliamentary Affairs graced the occasion as Chief Guest. Rector Bahria University conferred the degrees on the graduating students of Ph.D., MPhil, Masters and Undergraduate programs.

In total 686 degrees were conferred on the Undergraduate and Graduate students of Management Sciences, Humanities & Social Sciences, Computer Sciences, Law, Earth & Environmental Sciences, Electrical Engineering and Software Engineering Departments. Mr.





Ali Muhammad Khan awarded 16 Gold and 13 Silver medals, to students who achieved top positions in their respective programs.

In his address, Mr. Ali Muhammad Khan congratulated the graduating students on their splendid success and lauded Bahria University Islamabad Campus for providing exceptional knowledge skills to the graduating students in their respective disciplines enabling them to lead a professionally rewarding life. He appreciated the role of Bahria University for contributing to and in strengthening human resource of the country. While addressing the students, the Chief Guest said that "I feel delighted to see the burgeoning number of successful graduates Bahria University is producing every year. The intellect that is fostered here and the body of knowledge that is created will certainly become an engine for the developmental process in Pakistan in years ahead. Universities are

immensely important in building the human capital of any nation and Bahria University is one of the institutions leading the way".

Earlier in his welcome address Rector Bahria University Vice Admiral (R) Muhammad Shafiq HI (M) expressed his gratitude to Mr. Ali Muhammad Khan for his presence at the convocation. He further added that we at Bahria University have done our best to equip our students with necessary fundamental principles of conducting scholastic enquiry, training for communication and interpersonal skills. He acknowledged particularly the role of HEC, Punjab Government and other organizations for sponsoring number of scholarships for Students of Bahria University. This support enables deserving students to pursue quality education.

Rector Bahria University congratulated and appreciated the students winning medals in recognition of their outstanding performance.

S#	Students' Name	Session	Medals Awarded
1	Maheen Aslam	MBBS	Gold
2	Arooj Salah Ud Din	BDS	Gold
3	Midhat Khan	MBBS	Silver
4	Bibi Hafsa	BDS	Silver

S.No	Students' Name	Session	Medal Awarded
1	Zeeshan Ramzan	Fall Semester 2014 MBA	Gold
2	Zuha Mujahid	Spring Semester 2016 MBA	Gold
3	Fatima Razzaq	Fall Semester 2016 MBA	Gold
4	Iram Sarfraz	Fall Semester 2016 MS (Finance)	Gold
5	Aatif Gul	Fall Semester 2016 MS (PM)	Gold
6	Syed Jahangir Rizvi	Fall Semester 2016 MS (SCM)	Gold
7	Ramis Ali	Spring Semester 2016 MS (CS)	Gold
8	Hafsa Zaman	Spring Semester 2016 MS (EM)	Gold
9	Sahar Akhtar	Spring Semester 2016 MS (SE)	Gold
10	Amin Ullah	Spring Semester 2016 MS (Telecom)	Gold
11	Sufyan Baig	Fall Semester 2014 MBA	Silver
12	Anam Kamal	Spring Semester 2016 MBA	Silver
13	Mehreen Fatima	Fall Semester 2016 MBA	Silver
14	Kh. Attiyah Fatima Wani	Fall Semester 2016 MS (Finance)	Silver
15	Mukhtar Ahmad	Fall Semester 2016 MS (PM)	Silver
16	Shahzeb Sajid	Fall Semester 2016 MS (SCM)	Silver
17	Muhammad Zeeshan Javed	Spring Semester 2016 MS (CS)	Silver
18	Maria Asghar	Spring Semester 2016 MS (EM)	Silver
19	Kinza Faisal Jamal	Spring Semester 2016 MS (SE)	Silver
20	Badar Alam	Spring Semester 2016 MS (Telecom)	Silver

S. No.	Students' Name	Credits Completed	Medal Awarded
1	Zarmeena Munir	Spring Semester 2014 BBA	Gold
2	Tariq Aziz	Spring Semester 2014 BS (CS)	Gold
3	Arrij Zahra	Spring Semester 2014 BSS	Gold
4	Mahum Naseer	Spring Semester 2014 BS (ES)	Gold
5	Samrab Adeel Qureshi	Spring Semester 2014 BS (Geology)	Gold
6	Syeda Zamina Hassan	Spring Semester 2013 LLB	Gold
7	Amal Abrar	Spring Semester 2014 BBA	Silver
8	Afsheen Talat	Spring Semester 2014 BSS	Silver
9	Fatima Azad Satti	Spring Semester 2013 LLB	Silver

### 15th Convocation BUKC 06-12-2018

Bahria University Karachi Campus held its 15th Convocation at Convention Hall Maritime Museum, Karsaz Karachi. Mr. Imran Ismail, Governor Sindh graced the ceremony as Chief Guest and awarded degrees and medals to the graduating students of Ph.D., Postgraduate and Undergraduate programs. In total, 782 degrees were awarded to the Undergraduate and Graduate students of Management Sciences, Professional Psychology, Computer Sciences, Humanities & Social Sciences, Electrical Engineering, Software Engineering, Computer Engineering, Earth & Environmental Sciences, and Media Studies Departments.

Chief Guest also awarded 32 Gold Medals and 26 Silver Medals to students who qualified

advanced teaching methodologies to promote multi-faceted education, exchange visits of students beyond their normal test book education and knowledge.

Earlier in his welcome address Rector BU Vice Admiral (Retired), Muhammad Shafiq HI (M) expressed his gratitude to the Chief Guest for his presence in the convocation. He said that the academic institutes foster the culture of academic excellence and in this process, Bahria University constantly maintains high standards in every sphere of activities to align the future strategic directions. He mentioned the efforts of the Bahria University for providing the most conducive academic environment, state of the art labs and highly qualified faculty for its postgraduates and undergraduate students.



with distinction in their respective programs. Addressing the audience, Governor Sindh, Mr. Imran Ismail congratulated the graduating students on their splendid success and lauded Bahria University Karachi Campus for the role it played. He appreciated the role of Pakistan Navy in nation building by establishing an esteemed organization like Bahria University. He also recognized the efforts that BU has taken lead in starting maritime disciplines and acknowledged the contribution in imparting higher education. He was pleased to learn that BU has incorporated

He also highlighted new initiatives such as start of new undergraduate programs under H&SS department e.g. Bachelor in English (Literature and Linguistics), BS Maritime Business & Management, BS Economics and Finance, MS (Ports & Shipping Management), MS (Trade & Logistics Management), Post Graduate Diploma in Logistics & Port Management. Diplomas and Certificates Courses in Shipping Management, Chinese Language and various other disciplines are being introduced.



The ceremony was attended by a large number of senior Naval Officers, Industrialists, businessmen, and parents of the graduating students. Chief Guest congratulated the students and their parents on securing medals for the outstanding performances.



**Medals - 15th Convocation of Karachi Campus**

S#	Students' Name	Session	Medal Awarded
1	M. Jibran Naeem	Spring Semester 2014 MBA	Gold
2	Maleeha Hyder	Fall Semester 2014 MBA (Trimester)	Gold
3	Mariam Baloch	Fall Semester 2014 MBA	Gold
4	Zafar Nawaz	Spring Semester 2015 MBA (Trimester)	Gold
5	Filza Sami	Summer Semester 2015 MBA (HM	Gold
6	Marghoob Ahmad	Summer Semester 2015 MBA (Trimester)	Gold
7	Qurrat Ul Ain	Fall Semester 2015 MBA (HM Trimester)	Gold
8	Noshaba Faiz	Fall Semester 2015 MBA (Trimester)	Gold
9	Nadia Saeed	Fall Semester 2015 MBA	Gold
10	Ismat Fatima	Spring Semester 2016 MBA(Trimester)	Gold
11	Fariha Naqvi	Spring Semester 2016 MBA(Trimester)	Gold
12	Faezah Imran	Spring Semester 2016 MBA	Gold
13	Asma Ashfaq	Spring Semester 2016 MBA	Gold
14	Sadia Tallat	Summer Semester 2016 MBA (Trimester)	Gold
15	Sania Nadeem Azizi	Fall Semester 2016 MBA	Gold
16	Faryal Fahim	Fall Semester 2015 M Phil (MS)	Gold
17	Shoaib Malik	Fall Semester 2015 MS (CS)	Gold
18	Hifsah Nazish	Fall Semester 2015 MS(SE)	Gold
19	Mubin Ashraf	Spring Semester 2016 MS(PM)	Gold
20	Quratulain Nadeem	Spring Semester 2014 MBA	Silver
21	Neelam Nadeem	Fall Semester 2014 MBA	Silver
22	Faisal Riaz	Spring Semester 2015 MBA (Trimester)	Silver
23	Asif Imran	Summer Semester 2015 MBA (Trimester)	Silver
24	Mseel E Zehra	Fall Semester 2015 MBA (HM Trimester)	Silver
25	Ghousia Farooqui	Fall Semester 2015 MBA (Trimester)	Silver
26	Furqan Uddin Khan	Fall Semester 2015 MBA	Silver
27	Menahil Gul	Spring Semester 2016 MBA(Trimester)	Silver
28	Resham Shabir Shaikh	Spring Semester 2016 MBA	Silver
29	Fawaz Ali	Spring Semester 2016 MBA	Silver
30	Rimsha Arshad Baig	Summer Semester 2016 MBA (Trimester)	Silver
31	Afsheen Tanveer	Fall Semester 2016 MBA	Silver
32	Sahar Ansari	Fall Semester 2015 MS (CS)	Silver
33	Murium Arif	Spring Semester 2016 MS(PM)	Silver



S#	Students' Name	Session	Medals Awarded
1	Maryam Shakoor	Fall Semester 2013 BBA	Gold
2	Fazal Ur Rehman Faisal	Fall Semester 2013 BEE	Gold
3	Muniba Humayun	Fall Semester 2013 BSE	Gold
4	Farheen Irfan Wasi	Fall Semester 2013 BS(CS)	Gold
5	Maheen Ali	Fall 2013 BS Psychology	Gold
6	Ghazal Ahmed	Spring Semester 2014 BBA	Gold
7	Mahak Abdul Razzak	Spring Semester 2014 BS(CS)	Gold
8	Mahnoor Abdullah Zakaria	Spring 2014 BS Psychology	Gold
9	Insia Fatima	Fall 2015 MS CP	Gold
10	Nimrah Ahmed	Fall 2015 M Phil Psychology	Gold
11	Sahrish Batool	Spring Semester 2016 MS(CS)	Gold
12	Muhammad Ali Arif	Spring Semester 2016 MS(EE)	Gold
13	Zain-Ul-Abadeen Butt	Spring Semester 2016 MS(SE)	Gold
14	Farwah Barristor	Fall Semester 2013 BBA	Silver
15	Ariba Jehangir	Fall Semester 2013 BEE	Silver
16	Habiba Humayun	Fall Semester 2013 BSE	Silver
17	Sara Bint E Ayaz	Fall Semester 2013 BS(CS)	silver
18	Farah Afzal	Fall 2013 BS Psychology	Silver
19	Danish Farooq	Spring Semester 2014 BBA	Silver
20	Arfa Fatima	Spring Semester 2014 BS(CS)	Silver
21	Arisha	Spring 2014 BS Psychology	Silver
22	Syeda Anam Fatimah	Fall 2015 MS CP	Silver
23	Fareeha Kanwal	Fall 2015 M Phil Psychology	Silver
24	Imad Waseem	Spring Semester 2016 MS(EE)	Silver
25	Osama-Ur-Rehman	Spring Semester 2016 MS(SE)	Silver



## **Bahria University Lahore 1st Convocation 12-12-2018**

Bahria University Lahore Campus held its 1st convocation on Dec 12, 2018. Governor Punjab Mr. Chaudhary Mohammad Sarwar graced the ceremony as Chief Guest. In total 297 degrees were awarded to the Undergraduate and Graduate students.

The Chief Guest awarded Gold Medals to Ms. Lala Rukh, Ms. Kanza Sana, Mr. Muhammad Hamza Aziz, Mr. Muhammad Shawaz Hussain Baluch, Ms. Shumaila Yaseen, Ms. Sara Amjad, Mr. Ali Hassan, Mr. Omer Iqbal, Mr. Salman Bahadar Khan, Mr. M. Nabeel Ehtisham and Mr. Muhammad Tahir Nawaz, Ms. Maira Ali Ch, Mr. Muhammad Musab Sohail and Ms. Rabia Zaka. 12 Silver Medals were also awarded to students who achieved position in their respective programs.

During his address to the ceremony, Governor Punjab Mr. Chaudhary Mohammad Sarwar congratulated the graduating students on their success and lauded Bahria University Lahore Campus for providing exceptional knowledge skills to the graduated students in their respective disciplines. He expressed

pleasure at the expansion of Lahore campus which now has a larger area with extended facilities.

Earlier in his welcome address Rector BU, Vice Admiral (Retired) Muhammad Shafiq HI (M) expressed his gratitude to the chief guest for his presence in the convocation.

He mentioned that Bahria University has now taken a lead in national affiliations and in the process of being accredited internationally through Pakistan Washington Accord for Engineering programs and through Association to Advance Collegiate Schools of Business (AACSB) for business programs. As per latest QS Asian University ranking, Bahria University ranked amongst top 400 universities of Asia and amongst top 23 Pakistani Universities appearing in this Asian Ranking list. The University has also established linkages with 37 foreign universities.

The ceremony was attended by a large number of senior Naval Officers, BU officials, businessmen, and parents of the graduating students.

Governor Punjab congratulated the students and their parents for the outstanding performance.



S#	Students' Name	Session	Medals Awarded
1	Muhammad Musab Sohail	Fall Semester 2014 BS(IT)	Gold
2	Rabia Zaka	Fall Semester 2014 BS(CS)	Gold
3	Shumaila Yaseen	Spring Semester 2014 BBA	Gold
4	Lala Rukh	Fall Semester 2013 MBA	Gold
5	Kanza Sana	Fall Semester 2014 MBA	Gold
6	Muhammad Hamza Aziz	Fall Semester 2013 MS(PM)	Gold
7	Shawaz Hussain Baluch	Spring Semester 2014 MS(PM)	Gold
8	Sara Amjad	Fall Semester 2014 MS(PM)	Gold
9	Ali Hassan	Spring Semester 2015 MS(PM)	Gold
10	Omer Iqbal	Fall Semester 2015 MS(PM)	Gold
11	Salman Bahadar Khan	Spring Semester 2016 MS(PM)	Gold
12	M. Nabeel Ehtisham	Fall Semester 2016 MS(PM)	Gold
13	Muhammad Tahir Nawaz	Spring Semester 2017 MS(PM)	Gold
14	Iqra Ashraf	Fall Semester 2014 BS(IT)	Silver
15	Muhammad Mattiullah	Fall Semester 2014 BS(CS)	Silver
16	S. M. Ibrahim Ali Shah	Fall Semester 2014 MBA	Silver
17	Muhammad Hamza Bashir	Fall Semester 2013 MS(PM)	Silver
18	Mohammad Junaid	Spring Semester 2014 MS(PM)	Silver
19	Muhammad Zahid Jamal	Fall Semester 2014 MS(PM)	Silver
20	Faizan Ur Rehman	Spring Semester 2015 MS(PM)	Silver
21	Muhammad Tahir Ismail	Fall Semester 2015 MS(PM)	Silver
22	Iqra Najeeb	Spring Semester 2016 MS(PM)	Silver
23	Waqar Maqsood	Fall Semester 2016 MS(PM)	Silver
24	Kamil Masood Ahmad	Spring Semester 2017 MS(PM)	Silver

## 21st Convocation BUIC 30-04-2019

Bahria University Islamabad Campus held its 21st Convocation at Jinnah Convention Center Islamabad on April 30, 2019. Chancellor Bahria University, President Islamic Republic Pakistan Dr. Arif Alvi graced the occasion as the Chief Guest. President Pakistan along with Rector Bahria University conferred the degrees to the graduating students of Ph.D., MPhil, Masters and Undergraduate programs.

In total 881 degrees were conferred to the Undergraduate and Graduate students of Management Sciences, Humanities & Social Sciences, Computer Sciences, Law, Earth & Environmental Sciences, Clinical Psychology, Electrical Engineering, and Software Engineering Departments. President Alvi awarded 23 Gold and 17 Silver medals, to various students who achieved top positions in their respective programs.

While addressing the occasion, Honorable President congratulated the graduating students on their splendid success and lauded Bahria University Islamabad Campus for providing exceptional knowledge skills to the graduating students in their respective disciplines enabling them to lead a professionally rewarding life. He appreciated the role of Bahria University for contributing to and in strengthening human resource of the country. While addressing the students, the Chief Guest said that "I feel

delighted to see the burgeoning number of successful graduates Bahria University is producing every year. The intellect that is fostered here and the body of knowledge that is created will certainly become an engine for the developmental process in Pakistan in years ahead. Universities are immensely important in building the human capital of any nation and Bahria University is one of the institutions leading the way".

He also appreciated the efforts of the University management for emphasizing skills development of the students that makes Bahria University an attractive institution for teaching and learning. He encouraged the graduating students by advising them to be creative and to follow their passion and dreams.

Earlier in his welcome address Rector Bahria University Vice Admiral (R) Muhammad Shafiq HI (M) expressed his gratitude to President Pakistan for his presence at the convocation. He further added that we at Bahria University have done our best to equip our students with necessary fundamental principles of conducting scholastic enquiry, training for communication and interpersonal skills. He acknowledged the role of HEC, Punjab Government and other organizations in particular for sponsoring number of scholarships for Students of Bahria University. Rector Bahria University congratulated the students for their achievements.





S No	Students' Name	Session	Medal Awarded
1	Amna Masood Niazi	Fall Semester 2014 BBA	Gold
2	Adil Khurshid	Fall Semester 2014 BCE	Gold
3	M. Mahboob Ur Rehman	Fall Semester 2014 BEE/BET	Gold
4	Muhammad Gulsher Khan	Fall Semester 2014 BSE	Gold
5	Abdur Rehman Anwar	Fall Semester 2014 BS (CS)	Gold
6	Shafaq Munir	Fall Semester 2014 BS (IT)	Gold
7	Aimen Saba	Fall Semester 2014 BS (ES)	Gold
8	Anees-Ur-Rahman	Fall Semester 2014 BS (Geology)	Gold
9	Rimmal Niazi	Fall Semester 2014 BS (Geophysics)	Gold
10	Maham Amir Syed	Fall Semester 2013 LLB	Gold
11	Muhammad Taimur Shahzad	Fall Semester 2014 BSS	Gold
12	Rijaa Zaka	Fall Semester 2014 BBA	Silver
13	Abbas Khan	Fall Semester 2014 BEE/BET	Silver
14	Arsalan Amjid	Fall Semester 2014 BSE	Silver
15	Manghan Gir Alias Sham Sunder	Fall Semester 2014 BS (CS)	Silver
16	Huda Kamal	Fall Semester 2014 BS (ES)	Silver
17	Muhammad Saqib Qureshi	Fall Semester 2014 BS (Geophysics)	Silver
18	Noor Najam Khawaja	Fall Semester 2014 BSS	Silver

S No	Students' Name	Session	Medal Awarded
1	Umm E Farwa	Spring Semester 2015 MBA (3.5 Years)	Gold
2	Mehreen Islam	Fall Semester 2016 MBA (2 Years)	Gold
3	Yusra Suhail Khan	Spring Semester 2017 MBA (1.5 Years)	Gold
4	Romesa Hussain	Spring Semester 2017 MS (Finance)	Gold
5	Bakhtawar Mahmood	Spring Semester 2017 MS (PM)	Gold
6	Rabia Naeem	Spring Semester 2017 MS (SCM)	Gold
7	Muhammad Ali	Fall Semester 2016 MS (EE)	Gold
8	Iram Malik	Fall Semester 2016 MS (EM)	Gold
8	Nayab Abeer	Fall Semester 2016 MS (ES)	Gold
10	Mubashir Khan	Fall Semester 2016 MS (Geology)	Gold
11	Ayesha Munir	Fall Semester 2016 MS (CP)	Gold
12	Zafar Kundi	Fall Semester 2016 LLM	Gold
13	Yusra Liaquat Qureshi	Spring Semester 2015 MBA (3.5 Years)	Silver
14	Asma Aziz	Fall Semester 2016 MBA (2 Years)	Silver
15	Zainab Khanum	Spring Semester 2017 MBA (1.5 Years)	Silver
16	Muhammad Taimoor Saleh	Spring Semester 2017 MS (PM)	Silver
17	Ahmer Salim Baig	Spring Semester 2017 MS (SCM)	Silver
18	Ahsan Iqbal	Fall Semester 2016 MS (EE)	Silver
19	Zainub Nayyer	Fall Semester 2016 MS (EM)	Silver
20	Zufishan Anjum	Fall Semester 2016 MS (ES)	Silver
21	Shumaila Mursaleen	Fall Semester 2016 MS (CP)	Silver

### **President Dr. Arif Alvi Inaugurated opening session of International Conference at Bahria University**

A two day International Conference on 'Communication, Computing and Digital Systems C-CODE'19' was organized by Bahria University Islamabad. The aim of this conference was to provide an international forum for academia, research organizations and industry to share their knowledge, experience, and contributions. The event provided a unique platform to discuss latest innovations and challenges in the fields of communication, computing and digital systems. The conference had technical sessions, talks by eminent speakers and panel discussions. President Islamic Republic of Pakistan Dr. Arif Alvi, graced the occasion as Chief Guest in the inaugural session of the conference. While speaking to

the audience, Honorable President said that Digital Communication, High End Computing, Information Security and Artificial Intelligence are the future and theme of C-CODE rightly manifests its significance and vision towards a secure cyber world. He said "Pakistan is a country of young and talented people and I strongly believe that by providing appropriate resources, guidance and confidence, our youth will have the ability to demonstrate its capabilities and contribute tremendously for the betterment of the society". He added that Government of Pakistan is well aware of this fact and is investing in all aspects of human resource development and its management.

Earlier in his address, Rector Bahria University, Vice Admiral (R) Muhammad Shafiq HI (M) expressed his gratitude to the President of Pakistan for his presence in the ceremony.

He said that main objective of this conference is popularizing the idea of global citizenship and providing a catalyst for transition to the era of nationalism to internationalism, which can help students to shape their lives and the environment they live in.

He added that the key focus of this conference is "Cyber Security" due to its phenomenal impact on common people.

The conference was divided into different themes covering challenges and opportunities in the fields of Computing, Communication and Digital Systems. The key note speakers of the conference, Prof. Dr. Jonathan Andrew Ware University of South Wales United Kingdom, Dr. Gerhard Zucker, Austrian Institute of Technology Austria, and Dr. Jaime Lloret, Polytechnic

### **International Conference on 'Communication, Computing and Digital Systems' concludes at Bahria University**

Two-day International Conference on 'Communication, Computing and Digital Systems' C – Code '19 concluded at BU Islamabad Campus on March 7, 2019. The aim of this conference was to bring together researchers, scientists, industry partners, and policy makers from within and outside Pakistan, to share innovative ideas and stimulate discussions on emerging technology trends and their applications. Bahria University is putting great focus on promoting research culture in the country and ensures its commitments to a knowledge based economy.



University of Valencia, Spain also shed light on educational institutions for incorporating a globalized curriculum. The conference speakers presented their respective papers on the themes such as the Communication, Computing and Digital Systems. Prominent distinguished speakers from UK, Austria, Spain, Korea, USA, Italy, Portugal, Indonesia and Pakistan have participated in the conference. Prof. Dr. Najam-ul-Islam Dean Faculty of Engineering Sciences Bahria University thanked the participants and said Bahria University is focused on promoting research culture in the country and ensures its commitments to a knowledge based economy.

Mr. Makhdoom Khusro Bakhtiar, Federal Minister for Planning, Development and Reforms graced the closing session of the conference as the Chief Guest. While speaking to the audience, he said that it is heartening to know that the C-CODE conference had attracted large number of researchers and academicians from around the globe. He added that the government is investing heavily in technology development that will transform the country's economy from conventional to knowledge based. In the coming days, the policies, developments and initiatives undertaken by Ministry of Planning will provide the foundation for tremendous growth in all sectors in general and in ICT, in particular.

The Minister congratulated Bahria University for a successful International conference.

Prof. Dr. Atta ur Rehman Co-Chair of Prime Minister’s Task Force for IT & Telecom also gave a presentation on the topic. Dr. Kevin Truman from University of Missouri USA gave the key note speech in the presence of number of industrialists on the 2nd day of conference. A colorful cultural show and gala dinner was also hosted by the University, for Foreign Guests to display traditional aspects of Pakistan.

Earlier in their address at the closing ceremony, Honorable Rector Bahria University, Vice Admiral (R) Muhammad Shafiq HI (M) and Bahria University Dean of Engineering Sciences Prof. Dr Najam ul Islam expressed their gratitude to the chief guest and participants for their contribution in the conference. Rector Bahria University said that we truly are in the era of technological innovation, we need to pledge that the two days spent here at Bahria University will make a real difference in the way we look at the problems we face and the solutions that we intend to design through innovation for a better world. Talking on the occasion Dean BU Engineering Sciences Dr. Muhammad Najam ul Islam said that we at Bahria University, put great emphasis on emerging, cutting-edge interdisciplinary research and our faculty members are actively involved in national and international collaborative. This is the reason that our graduates are employed by reputed national and multinational organizations.

12 foreign speakers from eminent international universities joined Bahria University from USA, England, Scotland, Netherland, Portugal, Malaysia and Turkey along with 10

eminent national speakers. The concluding day of conference started with technical sessions followed by keynote talks and ended with distribution of shield by the Chief Guest.

### Maritime Conference – Ideas 2018

As a capstone activity in IDEAS-2018, National Centre for Maritime Policy Research (NCMPR) Karachi chapter of National Institute of Maritime Affairs (NIMA) under the auspices of Pakistan Navy organized a Maritime Conference on the topic “Maritime Security Dynamics and Requirement of Innovative Solutions for Indian Ocean Region” on November 28, 2018. Vice Chief of Naval Staff, Vice Admiral Kaleem Shaukat HI(M) graced the occasion as the chief guest and Brigadier General Ibrahim Salman Al Naimat, Commander of Royal Jordanian Naval Forces as the guest of honour in the conference. Federal Minister for Maritime Affairs Ali Haider Zaidi also participated in the conference.

Vice Admiral (Retd) Sayyid Khawar Ali HI(M), DG NIMA delivered the key note address and enlightened the audience about the importance of the conference topic. He stated that with the advent of Chinese led Belt and Road Initiative (BRI), the geo-economic and strategic significance of IOR has enhanced manifold. During the conference, apart from prominent national speakers, eminent foreign scholars also dwelled upon myriad of complex military and maritime related challenges and their solutions. Vice Chief of Naval Staff while highlighting the significance of Indian Ocean Region in prevailing milieu, and the maritime security challenges being faced by the littoral states. A total of six speakers both national and international spoke on diverse topics as under:





S No	Name of Speakers	Country	Topic
a.	Rear Admiral Asif Khaliq HI(M)	Commander Karachi, Pakistan	Contemporary and Emerging Maritime Security Threats in the IOR
b.	Rear Admiral Dr Nassar Ikram HI(M)	Pro Rector NUST, Pakistan	Technological modernization – Emerging trends & Naval Defense Industry
c.	Vice Admiral (Retd) Iftikhar Ahmed HI(M)	Former MD KS&EW, Pakistan	Future Prospectus of shipbuilding industry in Pakistan
d.	Mr. Behcet Karatas	Representative of M/s ASELSAN Turkey	Innovation in Maritime Defense Technology
e.	Mr. Paolo Villa	Representative of M/s MBDA, Italy	Contemporary Trends in Naval Defence Systems
f.	Mr. Ricardo Pradella	Representative of M/s SAES, Spain	Technological Modernization – With Special Reference To Air Borne MPA/ASW Capabilities and Tendencies

**International Maritime Conference - IMC 2019 (9-11 February 2019)**

National Institute of Maritime Affairs (NIMA) and National Centre for Maritime Policy Research (NCMPR) successfully hosted 8th International Maritime Conference (IMC 2019) at Movenpick Hotel Karachi from 9 to 11 February 2019. The topic of the conference was “Global Geopolitics in Transition; Rethinking Maritime Dynamics in the Indian Ocean Region (IOR)”. The conference was attended well by foreign

& local delegates & AMAN observers. Each session of the conference was attended by over 400 participants from maritime organizations, government institutions, defense forces, academia and media attended the conference. The Chief Guest for the opening session was Mr. Arif Alvi, President of Islamic Republic of Pakistan whereas the closing session was graced by Mr. Pervez Khattak, Defense Minister of Pakistan. Zimbabwean Army Chief and Romanian Naval Chief were invited as Guest of Honor.





### Students' Achievement NUST International Model United Nations (NIMUM)2019

The students of BUM&DC participated in 6th NUST international model united nation conference that was organized by National University of Sciences and Technology Islamabad.

The following students of Bahria University Medical and Dental College attended Nust International Model United Nations 2019 at NUST Islamabad:

1. Faisal Manzoor 4th Year MBBS in DISEC
2. Mahad Naseer Amir 4th Year MBBS in SPECPOL
3. M. Usman Tayyab in 3rd Year MBBS UNODC
4. Abdul Moiz Ali Khan 3rd Year MBBS in OIC
5. Mustafa Malik 3rd Year MBBS in UNHCR
6. Omer Shahid 3rd Year MBBS in UNHRC

These 6 students represented BUMDC in their respective committees and won following awards:

1. Mahad Naseer Amir won Outstanding Diplomacy Award in SPECPOL Committee
2. Faisal Manzoor won Honorary Mention Award in DISEC Committee
3. M.Usman Tayyab won Honorary Mention Award in UNODC Committee
4. Mustafa Malik won Honorary Mention in UNHCR Committee

Furthermore Mahad Naseer Amir, Faisal Manzoor and M. Usman Tayyab also progressed to Best Delegates Crisis Committee which consists of the best delegates from all thirteen committees of Model United Nations.

### Best Teacher Award-2018

This year after elaborate scrutiny of the nominees, Dr. Shama Asghar was honored with the "Distinguished Teacher Award 2018". Serving since 2013, Dr. Shama is an Associate Professor and Head of the Department of Restorative Dentistry. She has previously been granted two special monetary increments, an ode to her tireless dedication towards her students and profession. She has more than 30 publications to her credit. She was presented with a shield, a Certificate of Appreciation and a Cash Award of fifty thousand rupees at a ceremony presided by the Rector Bahria University, Vice Admiral (R) Muhammad Shafiq HI(M) on March 19, 2019.





### Orientation Ceremony of New Batches of 2019 of Medical Lab Technology and Doctor of Physical Therapy

As a tradition of BUMDC, white coat ceremony for the students of new batches of Medical Lab Technology and Doctor of Physical Therapy of BUM&DC, was organized at the College Auditorium on Feb 2, 2019. The ceremony started with recitation of Holy Quran by Mr. Faisal Faheem, Lecturer DPT. Director General, Rear Admiral Imtiaz Ahmad Hi (M) delivered a welcome speech and briefed about the BUMDC quality education system and state of art infrastructure. Vice Principal DPT, Dr. Khalid Aziz and Dr. Mehreen Lateef, HoD MLT highlighted the importance of their program in

the health care system with a focus on career opportunities in the future. Director General distributed white coats among students of both programs. The event was attended by faculty members, senior naval staff officers, and new students accompanied by their parents.

### Bahria University Library

#### Independence Day Celebrations

Bahria University Islamabad Central Library Commemorated Independence Day of Pakistan on August 14, 2018 to pay homage efforts of Quaid e Azam Muhammad Ali Jinnah, Allama Muhammad Iqbal and leaders of Pakistan Movement. Independence day celebrations started on the August 1, 2018 and lasted till



Augst 31, 2018. During this period books were displayed for the readers and guest visitors. The turnout of the visitors during this time was very encouraging.

### Collection Development at BUIC Library

Around 784 new additions on a variety of subjects e.g. Management Sciences, Electrical Engineering, Computer Sciences, Earth and Environmental Sciences, Social Sciences, Clinical Psychology, Media studies, Mathematics and General topics have been added in the BUIC library collection. This development is part of series of ongoing additions in the collection. All the books have been purchased with the suggestions and consultation of respective faculty memebers.

### Book Fair at Bahria University

#### Karachi Campus

Central Library BUKC organized its 8th Annual Book Fair on March 5-6 2019.

DG BUKC Rear Admiral (R) Mukhtar Khan HI(M) inaugurated the event along with Director BUKC, Deans (MS & IPP) Head of the Departments, BU Officers, Faculty & Students. All appreciated the literary efforts of central library BUKC.

Numerous book vendors, including Oxford University Press, Paramount Books, Royal Book, Progressive Int. among others participated in the event. The event brought together publishing and distribution houses, booksellers, librarians and institutional customers on a single platform.

Visitors enjoyed the event and gave positive feedback stating that the purpose of visiting the book fair is to explore the new books published across the world and that there is no comparison to what a book can teach a person.

### Hands on Training Workshop on HEC

#### Digital Resources

Bahria University Islamabad Campus library organized hands on training workshop on April 4-5, 2019 & April 11, 2019 respectively for BUIC PhD Schlarcs and Faculty members of Earth & Environments Sciences, Management Sciences & Social Science Departments. This workshop was designed to familiarize the faculty with the online resources provided by HEC. The Workshop was useful for both the faculty and students of Bahria University.

### PLC 3rd National Convention for LIS

#### Professionals

Pakistan Library Club (PLC) in collaboration with Pir Mehr Ali Shah Arid Agriculture University, Rawalpindi organized 3rd National Convention 2019 for LIS Professionals on dated January 11-12, 2019.

In this convention LIS professionals provided different skills and information to their participants regarding educational programs and the research trends in the field of Library & Information Sciences.

Issues library professionals are facing in implementing of library software and status of library automation in Pakistan were also



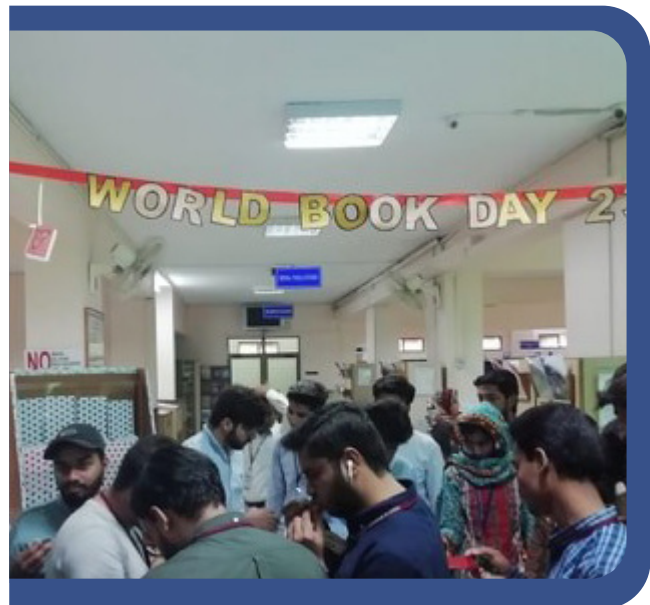
discussed. In this regard some speakers shared their achievements with participants. They also emphasized on the importance of e-libraries.

Chief Librarian Ms. Saima Syed & Law Librarian Ms. Rizwana Butt from BUIC attended the convention.

### Conference Organized by PLC for LIS

#### Professionals

Pakistan Library Club (PLC) in collaboration with IFLA Asia & Oceania and Special Libraries Association (SLA) organized an International Conference "A Journey from UN Millennium Development Goals (MDGs) to Sustainable Development Goals (SDGs): Proactive Role of Libraries" on August 2-4, 2018 in Karachi, Pakistan. Librarians Mrs. Farhat Jabeen & Ms. Sana Rahim from BUKC participated in the event.



### Use of Library & Digital Resources

Cornelius Law Library conducted a session on e-Library usage. Library In-Charge organized awareness session for the student of LLM. During this session Law library In-Charge updated the students about the use of various database sources provided by HEC such as Jstor, Taylor & Francis, Emerald and Ebrary etc. and other law resources such as Pakistan law site and also inform about VPN facility.

### Workshops at BUIPP Library for Students

Two workshops on "Off Campus Access of HEC Digital Library and BUKC Library Open Access Catalogue" were conducted by Sana Rahim (IPP Library Incharge) with joint effort of BUKC Library Staff on February 15, 2019 for All IPP Faculty and on April 17, 2019 for MS and M.Phil students of Institute of Professional Psychology (IPP)

### World Book Day Celebrations

World book day was celebrated on April 24, 2019 by BUKC, IPP and NCMPR library. The library staff designed book marks and distributed complementary books and sweets among students to spread awareness regarding "World Book and Copyright Day". Library was decorated with quotes to enhance and promote reading habits among all.

### Professional Psychology Awareness

#### Week'19

Senior Lecturer and Clinical In-charge Ms. Naima Fatima Shariff organized the first

Professional Psychology Awareness Week at the Institute of Professional Psychology from April 29 - May 3, 2019. The aim of this week was to spread Awareness regarding various branches of psychology along with career options in the field. The week comprised of seminars, camps and workshops and served 600+ individuals. Details of the events held are shared below:

1. An inaugural ceremony titled, Preparing Psychologists for Tomorrow- National Seminar on the Scope of Psychology in Pakistan was conducted on April 29, 2019. The speakers and guests of the seminar included key figures in the field of mental health where the topic of discussion was the scope of psychology in Pakistan along with the need of psychologists to serve the community.
2. As part of World Autism Awareness Month a seminar was conducted on the Awareness, Diagnosis and treatment of Autism on April 30, 2019. This seminar was held in Collaboration with Autism Spectrum Disorder Welfare Trust.
3. A mental health camp for university students providing free assessments and basic counselling was set up at Umeed e Nau on May 2, 2019. The camp comprised of 4 different stalls and focused on areas of stress management, personality assessment and practicing mindfulness. It provided participants with basic interventions in coping with their problems along with assessments.
4. Students of M.Phil. Organizational Psychology organized a seminar "Leadership in 21st Century: The Contemporary Practices" on May 2, 2019. It was organized under the supervision of Dr. Tahira Yousuf, Ms. Fareeha Kanwal, Ms. Sidra Shoaib and Ms. Sidra Farooq Butt.
5. As part of the theme of World Mental Health for the year 2019 a guest speaker session was conducted for the post-graduate students on Suicide Prevention on May 3, 2019. The session focused on training participants with emergency measures and crisis interventions to use with suicidal clients and play their role in spreading awareness to minimize this prevalent issue.



Chapter 2

# Research & Development



Chapter 2

# Research & Development



# 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. 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 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 February 17, 2010. The same was duly notified by HEC vide their letter no. 20/1-6/BU/IRIC/R&D/HEC/2011 dated October 7, 2011.

### Mission of ORIC

“To provide strategic and operational support to 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) taken the responsibility of guaranteeing 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 research culture at Bahria University
- Inculcate the spirit of innovation and entrepreneurship among Bahria University researchers, faculty and students

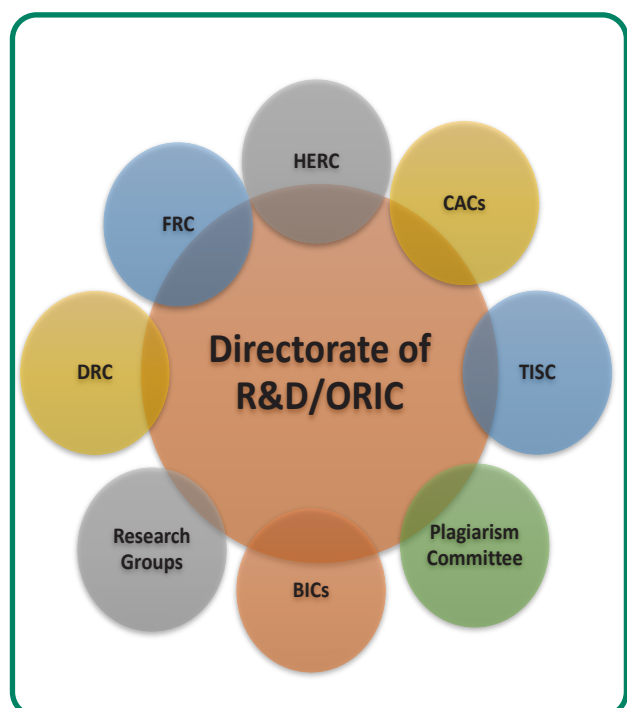
- Ensure that the research pursued at Bahria University has relevance to the industry, community and society
- Commercialize R&D undertaken at Bahria University
- Promote industry focused multidisciplinary research and development
- Promote training and education related to entrepreneurship and intellectual property
- Be a catalyst for creation of new industries
- Create job opportunities for Bahria University graduates
- Contribute towards achieving financial sustainability for Bahria University

## 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 Bahria University.



### Faculty Research Committee (FRC)

Faculty Research Committee (FRC) is constituted by Registrar and headed by Dean of the Faculty. There are maximum 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 candidates' research-work. The main purpose of the committee is to provide guidelines and directions to the research scholars for their research work, recommended foreign evaluators, suggest Internal and External Examiners for Thesis Defense and Viva Voce for scholars. It also forms an 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 is headed by the Head of Department (HOD). PGP Coordinator acts as the Secretary of the DRC. The major purpose of the DRC is 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 group is not only from the same department but also intra-department or from some other national/international research institutions/organizations. 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

of the research being conducted by the research scholars and faculty of Bahria University.

### Technology Innovation Support Centre (TISC)

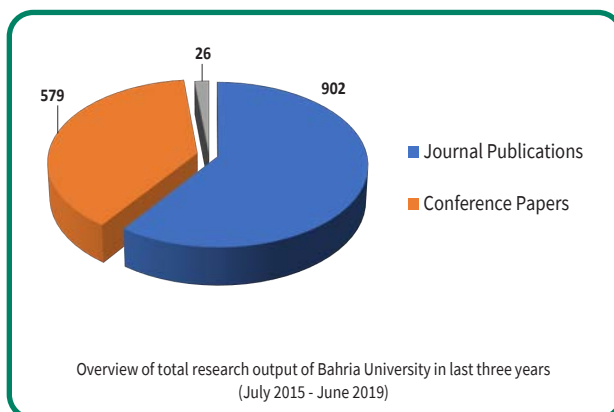
The sole purpose behind the establishment of Technology Innovation Support Centre (TISC) at BU is to provide support services to BU researchers for patenting their research and development work by proactively coordinating and communicating with BU faculty / students / visiting scholars/ sponsors / stakeholders 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, sponsor R&D projects for Bahria University students and consultancy service 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 few years (1st July 2015 to 30th June 2019) is shown in the figure given below;



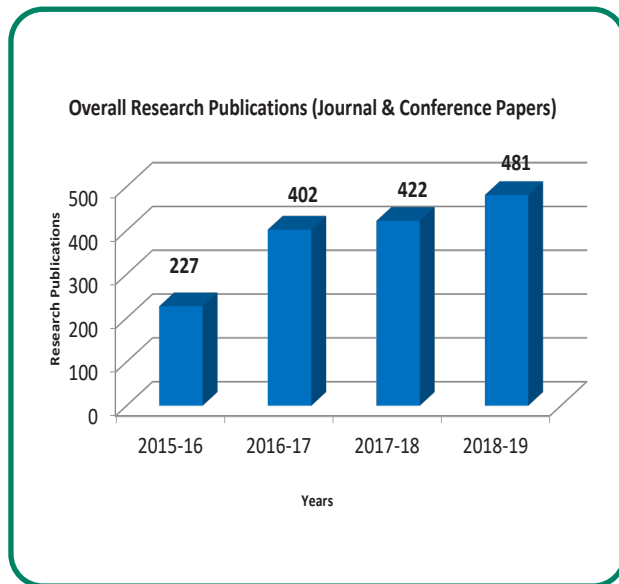
### Increasing Trend in the Major Key Performance Indicators (KPIs) of Research at Bahria University:

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:

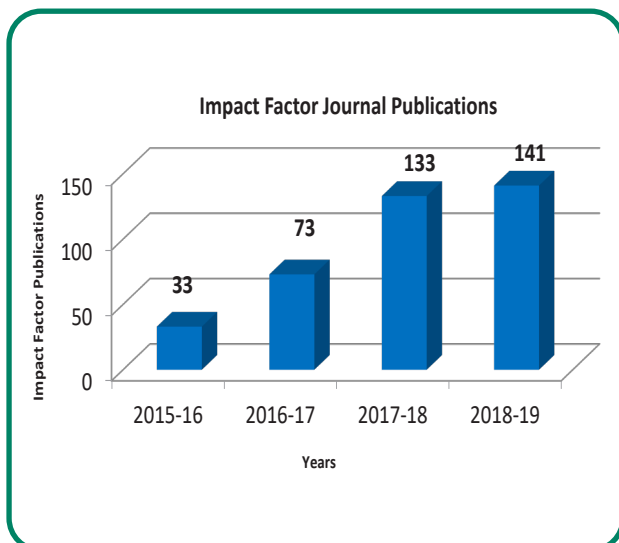
### Overall Research Publications

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



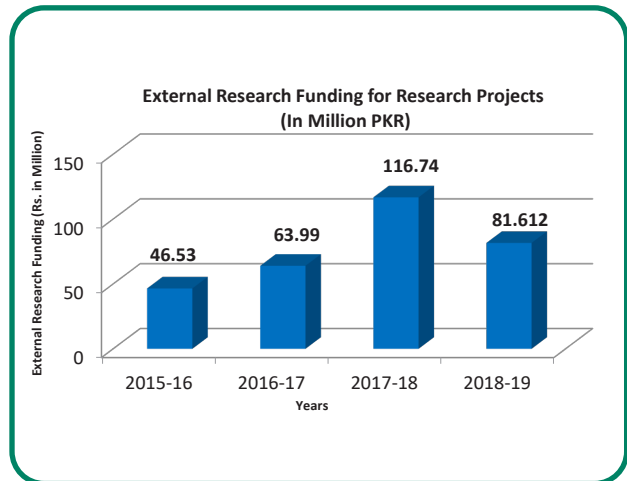
### Impact Factor Publications

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:



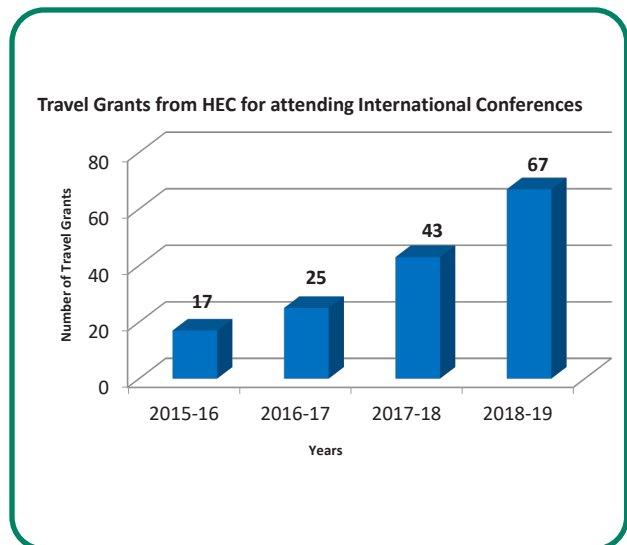
### External Research Funding for Research Projects

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



### Travel Grants from HEC

Travel grants acquired by the faculty members from HEC to attend International conferences 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. 81.612 Million acquired by the BU Researchers from external sources, for such research endeavors are as follows:

S. No.	Project Title	Principal Investigator/ Project Coordinator Department(s)	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. Najam ul Islam Dean (ES)	26.408	Funding received in 2018-19	HEC
2	Design, Development and Production of Hardware Based Gel Documentation System for DNA, RNA and Proteins Analysis	Dr. Shujjat Khan CE, BUIC	18.0	2019	Technology Development Fund (TDF) by HEC
3	Education On Click (EOC)	BIC BUIC Startup	2.0	21 June, 2019	KP Impact Challenge, an Initiative of Prime Minister of Pakistan
4	Innovative climate finance mechanisms for financial institutions in the Asia-Pacific region	Prof. Dr. Shehzad Khalid Director ORIC	1.9056	2019	United Nations - Economic and Social Commission for Asia and the Pacific (UN-ESCAP)
5	Funding for Incubatee of BIC, BUIC (AASAN Ticket)	Team Lead AASAN Ticket	2.6	2019	USAID-SMEA
6	Content Based Indexing and Retrieval of Videos	Prof. Dr. Imran Siddiqi CS, BUIC	2.1	Funding received in 2018-19	IGNITE
7	Early Detection of Neurological Disorders through Computerized Analysis of Handwriting – An Application to Parkinson's Disease	Prof. Dr. Imran Siddiqi CS, BUIC	2.046	2019	NRPU - HEC
8	Funding for the development and activities of BIC, BUIC	Director ORIC, BUHO	4.53	Funding received in 2018-19	HEC
9	Development of FPGA based ADC/ DAC Board and HDL Cores for DSP Building Blocks	Dr. Atif Raza Jafri EE, BUIC	1.14	2018	Maritime Technologies Complex (MTC)

S. No.	Project Title	Principal Investigator/ Project Coordinator Department(s)	Approved Funding Amount (Rupees in Million)	Year of Funding	Funding Agency
10	Semi-permanent Wireless Sensor Networks Operated by RF Power Transfer	Dr. Moneeb Gohar Asst. Prof. CS, BUIC	1.358	2019	NRPU - HEC
11	Grant for Business Development Competition	Director ORIC BUHO	0.9	2019	MOL Pakistan Oil & Gas Company
12	Funding for Brain Control Massage Stretcher (BCMS)	Abdul Basit Team Lead (BCMS)	0.5	2019	Private Angel Investor
13	Funding for Brain Control Massage Stretcher (BCMS)	Abdul Basit Team Lead (BCMS)	0.5	2019	Planning Commission
14	Suppression of EMI Related Common-mode Noise in High-Speed Serial Links	Dr. Khawaja Qasim Maqbool EE, BUIC	0.462	2018	SRGP-HEC
15	Analysis of fluid-particle interaction in the nanofluid	Dr. Jafar Hasnain CS, BUIC	0.429	2018	SRGP-HEC
16	Using well logs and Rock-Eval Pyrolysis for Studying the Source Potential of the Sembar Formation in the Southern Lower Indus Basin, Pakistan	Dr. Muhsan Ehsan E&ES, BUIC	0.2875	2018	SRGP-HEC
17	Light weight Sandbox for Malware Dynamic Features	Dr. Faisal Bashir CS, BUIC	0.1	2018	NESCOM
18	Programmable FIR Filter Desia:D and Implementation using FPGA	Dr. Atif Raza Jafri EE, BUIC	0.1	2018	NESCOM
19	Implementation of AES Encryption on real-time data stream using FPGA	Asim Altaf Shah EE, BUIC	0.1	2018	NESCOM
20	Depth calculation of an object using stereo images	Dr. Saleem Aslam / Taimur Hassan EE BUIC	0.05	2018	NESCOM
21	MPEG2TS generation hardware	Taimur Hassan EE BUIC	0.1	2018	NESCOM
<b>Sub Total (Rupees in Million)</b>			<b>65.6161</b>	---	

S. No.	Project Title	Principal Investigator/ Project Coordinator Department(s)	Approved Funding Amount (Rupees in Million)	Year of Funding	Funding Agency
<b>Bahria University Karachi Campus</b>					
22	Ambient Air Quality performance assessment from Grids KE-TP1000 Project	Prof. Dr. Yasmin Nergis E&ES, BUKC	4.156	Funding received in 2018-19	Siemens Pakistan Engineering Co. Ltd
23	Ambient Air Quality performance assessment from Transmission-line KE-TP1000 Project	Prof. Dr. Yasmin Nergis E&ES, BUKC	2.104	Funding received in 2018-19	Phoenix Safety Consultants Pvt. Ltd.
24	Annual Environmental performance Assessment project	Mr. Mughal Sharif E&ES, BUKC	1.457	Funding received in 2018-19	Aga Khan Medical College Foundation
25	Subsurface Soil Quality and Annual Environmental performance Assessment project	Mr. Mughal Sharif E&ES, BUKC	1.516	2018	GlaxoSmithKline Pakistan Ltd.
26	Annual Environmental performance Assessment project	Prof. Dr. Yasmin Nergis E&ES, BUKC	0.635	2019	Mondelez Pakistan Ltd.
27	Annual Environmental performance Assessment project	Prof. Dr. Yasmin Nergis E&ES, BUKC	0.496	2019	International Textile Ltd.
28	Annual Environmental performance Assessment project	Mr. Mughal Sharif E&ES, BUKC	0.263	2019	Validus Engineering Pvt. Ltd.
29	Funding for Incubatee of BIC, BUKC (ASANI-Handyman Services)	Team Lead AASANI	2.5085	2019	USAID-SMEA
30	Design and Development of Power Generation System from Solar (PV) and Wind Energy	Dr. Muhammad Raza EE, BUKC	0.3854	2019	SRGP-HEC
31	Soil Properties of Shrimp Aquaculture Field	Dr. Yasmeen Zamir Ahmed H&SS, BUKC	0.4	2018	SRGP-HEC

S. No.	Project Title	Principal Investigator/ Project Coordinator Department(s)	Approved Funding Amount (Rupees in Million)	Year of Funding	Funding Agency
32	Study of wastewater pollution and contamination in Karachi harbor waters	Dr. Safia Mushtaq NCMPR, BUKC	0.475	2018	SRGP-HEC
33	Analysis of Competency Assessments	Prof. Dr. Zainab F. Zadeh Director IPP, BUKC	1.1	2019	SSGC & Galvico
<b>Sub Total (Rupees in Million)</b>			<b>15.4959</b>	---	
<b>Bahria University Lahore Campus</b>					
34	Energy Efficient Collision-free Path Smoothing for Mobile Robots using Clamped Cubic B-Spline	Dr. Iram Noreen CS, BULC	0.5	2018	SRGP-HEC
<b>Sub Total (Rupees in Million)</b>			<b>0.5</b>	---	
<b>Grand Total (Rupees in Million)</b>			<b>81.612</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) was established at BUHO on December 6, 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.

The same has also been notified by HEC and Intellectual Property Organization of Pakistan (IPO) on 28 January, 2019. Bahria University is now eligible to have access to patents as well as scientific and technical literature database. The



TISC Focal person will be supported for capacity building through various training sessions and awareness activities with the collective support of World Intellectual Property Organization (WIPO), IPO and HEC.

## Establishment of Bahria Innovation Centre

Keeping in track the promising landmark achievements and future potential that BU has to offer, Bahria Innovation Center aims to provide all-inclusive support and facilities to all its components for a state-of-the-art center, including Pre-Incubation Center (makerspace), Incubation Center, Startup Accelerator, Training, Leadership and skill Development center and industrial liaison and networking space to foster networking for its startups, SME's and Commercial Research/spinoffs. We believe our organization's strong market competitive research and commercialization services portfolio, Our pool of experienced practitioners, researchers, consultants, advisors, and Trainers followed by our portfolio of successfully conducting, managing and implementing research at par with the industrial standard with our network partners in regions serviced/ underserved across Pakistan is best suited to provide the kind of service and attention required by your organization/ industry.

**Makers space:** The Maker space Lab provides all students with the opportunity to access state of the art electronic test equipment and instrumentation. The primary purpose of the lab is to provide the space and resources needed by students to complete their Senior Design and general student Projects. With dedicated hardware and software space, the lab helps and encourages student researchers to work on supplemental learning projects to better enhance and scale up their understanding and learning.

**Incubator Space:** BIC's at Bahria University aims to formalize the institution's support for innovation and entrepreneurship. To support the entrepreneurial culture at Bahria University, Startup Incubator and Accelerator Centers (SIA) were established at its Islamabad and Karachi Campuses. The centers provide workplace, virtual incubation services, trainings, HR support, technology support, access to finance and help startups growth to form sustainable companies and products. The efforts of Incubation Center at BU Islamabad has been duly recognized by World Bank in its independent annual report as the top 4 University Incubators in the North of Pakistan. Startup incubators are an integral part of Bahria Innovation Center to provide startups

with targeted support and resources to help launch a successful business.

**Accelerator Space and Industrial Liaison Offices:** While both incubators and accelerators exist for the same purpose, they approach the initial startup process differently. Incubator will house and support businesses as they develop at their own pace, while accelerators speed up the initial process of starting a business to only a few months. Business Accelerator Program offers a 6-months tailor-made program for later-stage startups looking to go beyond the development of their product by scaling their business. They provide the support and resources necessary to building a sustainable company and scaling up every aspect of the business. The program that takes place twice a year, consists of a series of hands-on, practical workshops in key areas of knowledge for starting entrepreneurs (Business Model, Sales, Marketing, Finance, practical aspects) and includes sparring sessions with experts from diverse backgrounds. Our top priority is to nurture long-term relationships with our startups and partners that generate long-term value for all involved. Special spaces have been allocated for our Industrial Partners and Consultancy for our startups by mentors/ consultant from Academia and industry.

## Research Centers

Multiple state of the art and dedicated research centers in the areas of Logistics, Big Data Analytics and Blockchain, Cyber Security and Recon, and IOT are housed at Bahria University's Innovation Center. The said centers aim to provide, and advocate practice-oriented research and education focused on indigenous and housed researches. By establishing research centers of pure excellence backed by vision and professionalism, Bahria University aims to solve various difficult problems faced by modern society and to fulfill its obligations to the future of our motherland and humanity.

## Technology Innovation Support Center

An Intellectual Property Desk & Technology Innovation Support Center (TISC) is established at Bahria University under the ambit of ORIC. The sole purpose to establish TISC 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.

### **Training development and Leadership excellence center (TDLC)**

The Training Development and Leadership Excellence Center at Bahria Innovation Center is opening new doors of collaboration with the world of academicians, industry, professionals, SME's, communities and stakeholders. With dedicated state of the art training and consulting space, TDLC has been working on improving and further enhancing skill sets via initiatives to such as Leadership and Soft Skills Development Programs, Short Courses and Tailored Trainings, Workshops, Mentorship and Professional Counselling for startups, students, faculty and professionals.



Graphical View of Business Innovation Center (BIC)

### **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 scholars of the constituent/affiliated units and monitor quality of research outcomes and theses, both at the PG levels.

In the year 2018-19, two meetings of HERC were conducted at BU Head Office through video conferencing, as follows:

- 24th Meeting of HERC held on October 18, 2018.
- 25th Meeting of HERC held on April 4, 2019. Rector (BU) and Chairperson of HERC,

Vice Admiral (Retired) Muhammad Shafiq HI(M) chaired both the meetings. Prof. Dr. Shehzad Khalid, Director R&D/ORIC and Secretary HERC, conducted 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 and 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 group 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 High Impact 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 mentioned year, the number of research endeavors by the research groups are as follows'
- Research Publications: 350
- Research Project Proposals submitted for external research funding: 35
- Research Project approved for external research funding: 19
- Worth of Research Project approved for external research funding: Rs. 66.1678 million

## 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 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 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. #	Name of Startup	Domain and Work	No. of Employees	Status
1	Education On Click	Education Tech	5	Incubated
2	MachiniLog	Robotics and AI	3	Incubated
3	Medino	Health	4	Incubated
4	MediaTics	Media	4	Incubated
5	Qalam Guru	Education Tech	10	Incubated
6	Smart Health Care Unit	Health	3	Incubated
7	Reserve Your Room (RYR)	Services	3	Incubated
8	Abey Khao	Food	15	Incubated
9	DMT - Eco Tech	Agriculture	5	Incubated
10	Machine Vision Labs	Health and Agriculture	2	Incubated
11	Talent Box	Services	5	Incubated
12	Salestial Art Cafe	Arts and Eatery	3	Incubated
13	COMMA	Skills Development	4	Incubated

## Graduated Incubatees

S. #	Name of Startup	Domain and Work	No. of Employees	Status
1	ASSAN TICKET	Tourism	11	Graduated
2	BLOOD CARE	Health	2	Graduated
3	OPERTUNITY CIRCLE	Services	5	Graduated
4	MAQAMI	Food Technology	12	Graduated

S. #	Name of Startup	Domain and Work	No. of Employees	Status
5	MUTABADIL	Services	7	Graduated
6	PHARMACONN	Health and Blockchain	3	Graduated
7	HYCOM	Services	5	Graduated
8	INVESTINPK	Real-estate	2	Graduated

### Incubatee Companies at BIC Karachi Campus

#### Currently Inducted Incubatees

S. No.	Name of Startup	Domain and Work	No. of Employees	Status
1	PRESCHOOL LEARNING	Educational mobile app for pre-school children.	02	Incubated
2	AGROBOT	An agricultural robot that will revolutionize the agriculture food industry.	02	Incubated
3	EBASH BEAUTY	Service like Uber, Careem provide makeup artist.	02	Incubated
4	VENUE CRAFT	Online Hall web based booking.	03	Incubated
5	MULTI-PURPOSE ROBOT	Basic health monitoring, cleaning and surveillance.	01	Incubated
6	INVENTECH (ROBOTIC)	Providing IoT solution of any technical problem.	02	Incubated
7	PRAPETI	CRM and Information System for the Real Estate Industry.	06	Incubated
8.	BLINK	Eye Blink and Gaze controlled applications.	02	Incubated
9	ASANIII	Handyman services in the new digital age.	10	Incubated
10	IVAS	Automatic Classification of Vehicle Type for Smart Transport Systems.	03	Incubated

### Graduated Incubatees

S. No.	Name of Startup	Domain and Work	No. of Employees	Status
1	HENNA (MEHNIDI PRINTER)	Henna printer will automate henna printing and increase the precision level.	03	Graduated
2	SMART TALK TECHNOLOGY	Android application between the people who has lacking the sense of hearing and speaking and normal people so that they can easily communicate in our society.	03	Graduated
3	E-TUTIE	To train/teach school students with different techniques online environment	03	Graduated
4	PLEASURE OR DISPLEASURE	Develop solutions for customer satisfaction	03	Graduated
5	OPTIMUS	To have drones take over the marketing campaigns.	03	Graduated
6	EVER NEW ROUND	Online monitoring dashboard's for agriculture system used for farming..	04	Graduated
7	IOT SOLUTIONS	Develop solutions through IOT to protect the environment and its surroundings for Asthma patients.	02	Graduated

### Achievements of Bahria University Incubation Centres

Business Incubation Centres at Bahria University have been working on bringing forth and realizing the business ideas. 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 – November 2018

“Assan Ticket”, a Startup at Business Incubation Center, Bahria University Islamabad Campus, 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 Center, Bahria University Islamabad has been working on bringing forth innovative and impactful ideas to address social issues of Pakistan.



## The Us State Department's International Visitor Leadership Program (IVLP)- November 2018

After rigorous screening process of 1.5 years Mr. Mehrul Hassan, Manager BIC, BUIC and Syed Rizwan Ali were selected to represent Bahria University in The International Visitor Leadership



Program IVLP, an initiative and premier professional exchange program of the U.S. State Department. The program / visit was held from November 11, 2018 to December 1, 2018. Through short-term visits to the United States, current and emerging foreign leaders experience the country firsthand and cultivate lasting relationships with their American counterparts. One of the programs of IVLP is SRP: Innovation and Incubation in U.S. SRP: Innovation and Incubation on U.S. is a program for experts in entrepreneurship promotion from Pakistan. It demonstrates how business incubators in the U.S. on college campuses promote innovation and economic dynamism. Incubators are key hubs for universities, financiers, mentors, and of course entrepreneurs themselves. Meeting entrepreneurship incubators and related organizations in the United States will provide a unique opportunity for the rising generation's business and academic communities to identify gaps in entrepreneurship ecosystem and to identify solutions that could increase trade between neighboring countries in the region.

## Team BIC and Team Machinilog Representing Pakistan in European Robotics League Spain –October 2018

Team Machinilog from Business Incubation Center, 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 – October 2018

Maqami.com, a Startup at Business Incubation Centre (BIC), Islamabad Campus, qualified and pitched at the live show “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 Wins at UAJK National startup Competition

Medino's Brain Controlled Massage Stretcher (BCMS), a Startup at Business Incubation Centre (BIC), Islamabad Campus, wins Second Prize at the Third BIC UAJK National startup Competition. BCMS is a device that helps paralyzed patients to overcome several obstacle via controlling and operating the said stretcher using brain waves of the Patient.

### BIC and CSP Wins Prime Minister's Clean and Green Pakistan Idea Competition

Business Incubation Centre (BIC), Islamabad Campus and Community Support program jointly competed and won the 2nd prize at the "Clean and Green Pakistan Idea Competition" an initiative of Government of Pakistan and Ministry of Interior.

The Initiative spearheaded by the Honorable Prime Minister, took place in all the major cities of Pakistan. The Minister of state for Interior, Mr. Shehryar Khan Afridi appraised and congratulated Bahrians and assured government assistance in implementation of the idea across the country.



## Big Data and fintech summit – October 2018

Business Incubation Centre (BIC), Islamabad Campus in collaboration with Consultants and US Embassy Pakistan hosted the “Big Data and Fintech Summit 2018” Big Data and Fintech Summit was a One-day event, uniting Industry Leaders, Tech Innovators, Researchers, Academia, Decision-Makers and Investors. The Participants of the event gained insights on exactly how industry visionaries are breaking new ground within Fintech and Big Data Space in Pakistan.



## BIC BUIC Startup Representing Pakistan at Hello Tomorrow Global Summit 2019 in Paris, France

Business Incubation Center, Bahria University Islamabad Campus is proud to announce that one of our startups Brain Muscle Interface competed and was selected as Top 500 startups of the world at the Hello Tomorrow Global Summit 2019 in Paris, France from Pakistan. This year Brain Muscle Interface was also one of the Top 100 startups, out of 4500 applications worldwide, that were invited to showcase their Deep Tech Products at the Global Summit.

Brain Muscle Interface (BMI) is a bio feedback tool for mental imaginary training in Neuro-Muscular disorders. It is an EEG fed Functional Electrical Stimulation clinical tool that by detects the motor intention of the patient and actuates by FES. The system provides, Visual, Kinesthetic and Sensory feedback that helps in Neuron Regeneration. The startup has been working in close collaboration with doctors and physiotherapists from Fauji Foundation. Hello Tomorrow is an international non-profit organisation on a mission to unlock the potential of deep technologies to solve the world’s toughest challenges, by bringing together a community of actors highlighting, empowering and connecting the most promising deeptech entrepreneurs across the globe with the right enablers. They source deeptech projects and startups and facilitate collaboration between entrepreneurs, industries and investors in order to propel innovation from the lab to the market. Hello Tomorrow, organizes startup competitions, mentorship programs and a series of events around the world, as well as educating and consulting relevant stakeholders on emergence of deep technologies. Hello Tomorrow is fast becoming a key reference platform in deeptech innovation and entrepreneurship.

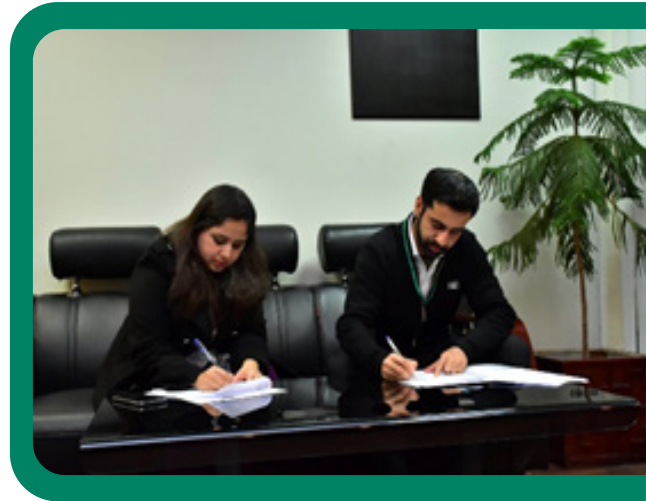
## BCMS Secures an Angel Investment of Rs. 0.5 Million

Business Incubation Center, Bahria University Islamabad Campus is proud to announce that their Startup Medino’s Brain Controlled Massage Stretcher secured a private investment of Rs. 0.5 Million from Transport and Power Solutions based in Kuwait. COO

of Transport and Power Solution praised the work done by the BIC team and promised more support and collaboration in the future.

### **GSMA Head of Mobile for Development Utilities and Ecosystem Accelerator Visits BIC, BUIC**

It was great to have Mr. Max Cuvelier, Head of Mobile for Development Utilities and Ecosystem Accelerator programmes and Mr. Bilal Ali Qureshi Market Engagement Manager GSMA at Business Incubation Center, Bahria University Islamabad Campus. The Team interacted with startups, appreciated the amazing ideas and potential coming out of the BIC and shared the GSMA's vision to promote the startup ecosystem in Pakistan. The two Leaders also had a detailed discussion with Director ORIC and Team BIC and discussed future potential areas of collaborations building towards a strong entrepreneurial Eco-system in Pakistan.



initiatives for entrepreneurs. The two managers discussed future innovation and technological disruption taking place in the entrepreneurial ecosystem in Pakistan and how BIC and ID92 can work together to empower startups and creative minds by giving them a progressive platform. Business Incubation Center is committed towards building a strong entrepreneurial Eco-system for nurturing innovation for Startups in Pakistan with its goal to drive sustainable economic growth, commercialize startups and SMEs, and empower them to grow through innovation and design



### **MOU between Business Incubation Center, BUIC and Innovation District 92**

A memorandum of understanding (MOU) was signed between Business incubation Center (BIC), Bahria University Islamabad Campus and Innovation District 92 at the directorate of ORIC, Bahria University Head Office. Manager Business Incubation center and Accelerator Program Mr. Mehrul Hassan and Program Manager Innovation District 92 Maria Naseer signed the agreement. The partnership between both the centers will be mutually beneficial in terms of startup mentor-ship, networking, international exchange programs and donor backed grants/

### **NAYI SOCH : Women Entrepreneurship Festival**

The inauguration ceremony of Nayi Soch Program an initiative of Business Incubation Center (BIC), Bahria University Islamabad Campus, took place at the Naval Gymnasium on May 2, 2019. Nayi Soch, an initiative of Business Incubation Center, Bahria University Islamabad Campus organized a one-day social entrepreneurship event on May 2, 2019 at Islamabad Campus. The Event was designed





to promote women empowerment across the board and engage youth participation to practice and preach the concept of business scalability, sustainability and economic development through Entrepreneurship. Through this program women-led starts up were able to create and showcase their arts and crafts projects from the serviced/underserved stations across Islamabad/Rawalpindi, exposing them to opportunities they couldn't get otherwise. Chairperson PNWA/Begam CNS graced the event as Chief Guest. She appreciated the activities undertaken by BIC, BUIC for developing required skills set to promote women entrepreneurship. She further acknowledged Team BIC especially Mr. Ali Qasim (Assistant Manager BD) for his contribution in successfully implementing a Parallel program called "Pehchan", for local women entrepreneurs of Kalinger Village and other underserved stations across Islamabad/Rawalpindi. The program offered a unique opportunity to learn and encourage them to practice the concepts of entrepreneurship and to grow beyond the socio-cultural, institutional, technical and financial barriers. Dr. Shehzad Director ORIC BU briefed the Chief guest on multiple social entrepreneurship related programs executed by BIC BUIC. He also discussed diversified future collaboration opportunities and joint projects in the areas of Social Entrepreneurship with PNWA and Pakistan Navy.

### **Manager BIC Mr. Mehr ul Hassan Baloch has been appointed Regional Director for Founder Institute**

We at Bahria Innovation Center are proud to announce that Mr. Mehr ul Hassan Baloch (Manager BIC, BUIC) has been appointed



Regional Director for Founder Institute. Based in Silicon Valley and with chapters across 180 cities and 65 countries, the Founder Institute's mission is to Globalize Silicon Valley and empower talented and motivated entrepreneurs to build companies that will create new jobs. Mr. Mehr ul Hassan is an Entrepreneur, Technology and Entrepreneurship Evangelist who leads the Business Incubation and Accelerator Program at Bahria University, Islamabad. Mehr established two state of the art Business & Technology Incubation Centers in Islamabad and has spearheaded multiple entrepreneurial initiatives, including Ideas to Startup Labs, BIC, Cubator one, BIC Bahria, MIC, BizTech, Business Accelerator Program.

### **STARTUP SOFT LOAN provided to one of the participants of Pehchan Program at BIC, BUIC**

Business Incubation Center (BIC), Bahria University Islamabad Campus is pleased to announce that as part of our Pehchan Program, the first installment of interest free Loan termed



as "STARTUP SOFT LOAN" was provided to one of our startups graduating from the said Program. The Startup Soft Loans will be utilized for the purpose of establishing and scaling of their respective Startup Venture. Pehchan Program aims to promote women engagement and economic empowerment through entrepreneurship. The program has been designed by Ms. Sabeena Abbasi (visiting Faculty MS Department, BUIC) and executed with the immense support of Bahria Innovation Center and Community Support Program of Bahria University Islamabad. The program kicked off on February 20, 2019 and around

10 CSP club students have been volunteering in the program. Mr. Ali Qasim from BIC Bahria University Islamabad has been leading the training and mentorship sessions at Kalinjar Village, Sector E-8, Islamabad. The beneficiaries by the end of the program will be able to set up sustainable businesses in their respective communities. It's a specialized program to support, train, equip and mentor entrepreneurs at in their communities and to encourage women participation in the innovation sector for economic growth and development at micro and macro levels in the country.

### Cash Prize Startup Team IOT Solutions

A Startup Team named IoT Solutions at Business Incubation Center, Bahria University Karachi Campus has been awarded Cash Prize by the Honorable Rector for winning the 2nd position National Microsoft Imagine Cup 2018 on July 18, 2018.



### BIC BUKC Won PARHAOSABAQ Youth Innovation Challenge – Season 2, TPL Case Study

Team E-Tutie at Business Incubation Center and Ms. Mavia Khan, student of BS IT at Bahria University Karachi Campus won "Parhao Sabaq" Youth Innovation Challenger TPL Case Study through Academia and Industry Linkages Signature Program. The winning team pitched idea on "Crowd Tracking" on August 31, 2018.



### BIC-BUKC Team secured PKR 2.6 million in USAID Innovation Grant

Team Asanii, a startup at Business Incubation Center, Bahria University Karachi Campus has secured Rs. 2.6 million through USAID SMEA on "Innovation Grant" Challenge Fund on September 22, 2018.



**BIC- BUKC Team Participation in SUPERCO All Pakistan “Robotics Competition”**

Team InvenTech, a startup at BIC, Bahria University Karachi Campus, participated at SUPARCO All Pakistan “Robotics Competition” on October 10, 2018.



**BIC-BUKC Won Special Award in DUHS-DICE Health Innovation Exhibition**

Business Incubation Center and Electrical Engineering Department, Bahria University Karachi Campus Won Special Award in Dow University of Health Sciences (DUHS) – DICE All Pakistan Health Innovation Competition and Exhibition 2018 on October 11-12, 2018.

**BIC -BUKC Team won 1st Prize at Robo-Fiesta 2.0**

Business Incubation Center, Bahria University Karachi Campus Team InvenTech won 1st Prize in Line Following Robot - LFR and won 1st in Exhibition Competition at Robo-Fiesta 2.0 on December 5-6, 2018.



**BIC -BUKC Team won 1st Position on Project Exhibition at IBA Sukhar**

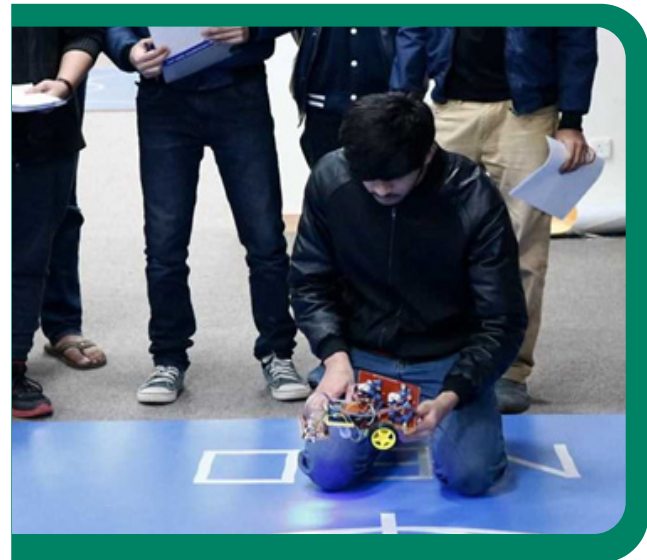
Business Incubation Center, Bahria University Karachi Campus Team InvenTech won 1st Prize in RoboRace at SIBACOM’19 and 2nd Runner up in Project Exhibition held on Jan 19, 2019.

**BIC -BUKC Team Providing Jobs at Fob Fair Spring 2019**

Business Incubation Center, Bahria University Karachi Campus Team HENNA (MEHNIDI PRINTER) has opened a new Startup Atrio Japan. The Team participated in Bahria University Karachi Job Fair 19 for providing the jobs to BUKC students on February 7, 2019.

**BIC-BUKC Team Won Runner up position at IEEE “NEO’19” GIK**

Business Incubation Center, Bahria University Karachi Campus Team InvenTech won Runner up position at National Level competition & Project Exhibition in IEEE “NEO19 GIK”, Topi KPK on Feb 8-10, 2019.



**BIC- BUKC Team Participation into Microsoft Imagine CUP 2019 Finals**

Business Incubation Center, Bahria University Karachi Campus Team IVAS has been selected for the Final Round of National Level Competition in Microsoft Imagine CUP 2019 Finals through HEC, out of 200 universities across Pakistan. The National Level Competition was held at HEC, H-9 Islamabad on March 7, 2019.

### BIC-BUKC Team Won 1st & 2nd Positions at “PROCOM’19”

Business Incubation Center, Bahria University Karachi Campus teams E-Tutie won 1st position in Project Exhibition and team InvenTech won 2nd position in Line Following Robot – LFR Robo Race Competition at FAST National Level Exhibition & Competition PROCOM19 on March 21, 2019.



### BIC-BUKC Team Won Case Study at Youth Innovation Challenge Season-4

BIC BUKC Team InvenTech won 1st position on TCS Yayvo Case Study at Youth Innovation Challenge Season 4 on March 23, 2019.

### BIC-BUKC Team “INVENTECH” Achieved A Guinness Book of World Record

Business Incubation Center, Bahria University Karachi Campus Team “INVENTECH” has contributed secured a place in Guinness Book of World Records in the Line Following Robot - LFR in collaboration with STEMERS. PANDABOT is a Robot that is capable of covering 1.22 km (0.76 miles) in 45 minutes.



### University-Academia Linkages

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

S. #	Name of Host University	Collaborating Agency/ Institution	Scope of Collaboration	Date of Link Established
<b>University-Academia Linkages</b>				
1	Bahria University	University of Baltistan, Skardu	Exchange of Faculty, Joint Research Activities, Joint Conference/seminar,	15 <sup>th</sup> February, 2019
2	Bahria University	LASBELA university of agriculture, Water & marine sciences (LUAWMS)	Faculty & student visits related to marine sciences, development of curriculum and roadmaps, joint conferences, seminars, workshops	21 <sup>st</sup> January, 2019

S. #	Name of Host University	Collaborating Agency/ Institution	Scope of Collaboration	Date of Link Established
<b>University-Industry Linkages</b>				
3	Bahria University	Behbud Association, Pakistan	Community Support Programs	13 <sup>th</sup> May, 2019
4	Bahria University	National Institute of Banking and Finance (NIBAF)	Develop & groom human resources in the field of Banking & Finance	20 <sup>th</sup> February, 2019
5	Bahria University	Innovation District 92	Promote Entrepreneurship and conduct joint entrepreneurial events	17 <sup>th</sup> January, 2019
6	Bahria University	Sustainable Land Management Programme, SLMP-II, Islamabad	To cooperate in Research, Sharing Facilities, sharing facilities and dissemination of knowledge and information	15 <sup>th</sup> October, 2018
7	Bahria University	Institute of Peace and Diplomatic Studies	Strengthen Faculty of Social Sciences at BU	11 <sup>th</sup> October, 2018
8	Bahria University	Liqui Moly	Internship opportunities for the marketing students of BU. Free of cost training sessions for the students of the University.	10 <sup>th</sup> August, 2018
9	Bahria University	Jinnah Center for the Rule of Law	Support the faculty and researchers to develop and deliver specialized courses for rule of law professionals, practitioners, researchers and policy analysts.	17 <sup>th</sup> September, 2018
10	Bahria University	CIBA Consulting Pakistan (Pvt) Ltd	CIBA and Bahria University wish to promote SAP Learning Hub – Student Edition & Professional Edition	7 <sup>th</sup> September, 2018
11	Bahria University	Federation of Pakistan Chambers of Commerce & Industry (FPCCI)	Support in collaboration with Industry	27 <sup>th</sup> March, 2019

### 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 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. No.	Title of Patent	Inventor(s)	Major Area/Sector	Date of Filing
1	Brain Controlled Massage Stretcher	Basit Ali, Aizaz Ali, Ahsan Ali	Health	17 July, 2018
2	Smart Energy Monitor	Fazila Shams, Dr. Tamim Ahmad Khan, Dr. Zahoor Sarwar	Energy	8 August, 2018
3	Pattern Based Urdu Stemming System	Mubashir Ali, Shahzad Khalid	Media	8 August, 2018
4	Coordination Design of Solar Geyser System	Bilal Ali, M. Muddassar	Energy	7 Dec, 2018
5	IOT Based Smart Waste Management System	Abdul Waseh, Ayesha Abbas, Wania Anoosh, Adil Ali Raja	Governance	29 March, 2019
6	V2V Collision Avoidance through VLC	Dr Shahzad Hassan, Maria Ahmad	Tech	29 March, 2019
7	Appratus for providing service using visible light and the method thereof	Moneed Gohar	Tech	21 Dec, 2018
8	Three Phase Electric Tariff Calculator and Data Logger	Asad Waqar, Mudasir Wahab, Saif ur Rehman, Saad Nasir, M Rehan Ishaq, Shahzad Hassan, Shahida Khanam	Energy	21 May, 2019
9	Wireless Power Transfer through Li-Fi for IoT devices	Shahzad Hassan, Shahida Khanam, Maria Ahmad, Mudassar Wahab, Asaq Waqar	Tech	21 May, 2019

### 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 – 2018

Best Faculty & Student Researcher Award (faculty wise) for the year 2018 have been

awarded / presented by the Honorable Rector to the following faculty members & student of Bahria University at each Constituent Unit. The list of awardees in the year 2018 are as follows:

BEST FACULTY RESEARCHER AWARD		
S. #	Name of Faculty Member	Faculty
1	Prof. Dr. Shehzad Khalid Director ORIC & Sr. Professor, Deptt. of CE, BUIC	Faculty of Engineering & Environmental Sciences
2	Dr. Rizwan Ul Haq Sr. Assistant Professor, Deptt. of EE, BUIC	
3	Dr. Sohaib Ahmed Associate Professor & Head, Deptt., of SE, BUKC	
4	Dr. Safia Mushtaq Sr. Assistant Professor, Deptt. of E&ES, BUKC	
5	Mr. Tahir Iqbal Khan Assistant Professor, Deptt. of CS, BULC	
6	Prof. Dr. Bashir Ahmed Sr. Professor, Deptt., of MS, BUKC	Faculty of Management & Social Sciences
7	Mr. Shaheer Ellahi Khan Sr. Assistant Professor, Deptt. of H&SS, BUIC	
8	Dr. Mehreen Lateef Sr. Asst. Prof. & Head, MDRL BUM&DC (Medical Section), Karachi	Faculty of Health Sciences
9.	Ms. Sobia Zaman PhD Scholar, Deptt. of MS, BUIC	Faculty of Management & Social Sciences



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



**Mr. Shaheer Ellahi Khan receiving the Award from the Honorable Rector**



**Dr. Sohaib Ahmed receiving the Award from the Honorable Rector**



**Dr. Safia Mushtaq receiving the Award from the Honorable Rector**



**Prof. Dr. Bashir Ahmed receiving the Award from the Honorable Rector**



**Mr. Tahir Iqbal Khan receiving the Award from the Honorable Rector**





**Dr. Rizwan Ul Haq receiving the Award from the Honorable Rector**



**Dr. Mehreen Lateef receiving the Award from the Honorable Rector**



**Ms. Sobia Zaman receiving the Award from the Honorable Rector**



QUALITY

QUALITY

Chapter 3

**Quality Assurance**

QUALITY

Chapter 3

---

Quality  
Assurance

# Quality Assurance

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:

1. Internal Quality Assurance (IQA) Mechanism
2. External Quality Assurance (EQA) Mechanism

## Internal Quality Assurance (IQA)

### Mechanism

1. Self-Assessment
2. Self-Academic Audit
3. Mock-Audit
4. Corrective Action Plan
5. Analysis of Students Feedback and Faculty Evaluation

## External Quality Assurance (EQA)

### Mechanism

1. Inspection/Review of Accreditation Bodies
2. Inspection/Review of Higher Education Commission

## QEC Rating

W' Category

Score: 90.44

## BU QA Directorate Performance

QEC by scoring 90.44% marks in 12th Assessment announced by Quality Assurance Agency(QAA) of HEC in December 2018 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), AQAAIW (Association of Quality Assurance Agencies of the Islamic World), Talloires Network, ACU (Association of

Commonwealth Universities) and Yahoo Quality Network.

1. Asia Pacific Quality Network (APQN)
2. INQAAHE (International Network for Quality Assurance Agencies in Higher Education) (Member since July 28, 2010)
3. AQAAIW (Association of Quality Assurance Agencies of the Islamic World)
4. QEC Yahoo Network (Member since May 15, 2015)
5. The Talloires Network (Member since Jan 01, 2009)
6. Association of Commonwealth Universities (ACU)



## List of Audits, NOCs, Accreditation

### Details of Mock Audit conducted during 1<sup>st</sup> July 2018- 30 June 2019 at Bahria University

Campus/CUs	Department	Program	Date of Visit
Lahore	Management Sciences Computer Sciences	All MS Programs	8-9 April 2019
Karachi	Medical Dental	All MPhil programs	2-3 April 2019
Karachi	Software Engineering	BSE	28-29 March, 2019
Karachi	Management Sciences Computer Sciences Software Engineering Computer Engineering Electrical Engineering Media Studies Professional Psychology	All MS/MPhil an PhD programs	26-27 Mar 2019
Karachi	Management Sciences	BS A&F	26-27 Feb 2019
IPP	Professional Psychology	BS Psychology	24-25 Jan 2019
PNSL	-	BS SCM	22-23 Jan 2019
Lahore	Computer Sciences	BS CS BS IT	28-30 Nov 18
Islamabad	Computer Sciences	CS	22-23 Nov 18
Islamabad	Computer Engineering Software Engineering Electrical Engineering	BSE, BCE and BEE	6-8 Nov 2018
Islamabad	Humanities and Social Sciences	BS SS	17-Oct-18
Islamabad	Law	LLB	18-Oct-18
Islamabad	Media Studies	BS Media Studies	19-Oct-18
Karachi	Computer Sciences	BS CS BS IT	6-7 Sept 2018

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

Campus	Department	Program	Date
Islamabad	All Department	All Graduate Programs	February 4-13, 2019
Islamabad	All Department	All UG Programs	Mar 4-8, 2019
Lahore	All Department	All Undergraduate Programs	February 4-6, 2019

Campus	Department	Program	Date
BUMDC Karachi	All Department	MBBS BDS DPT BS MLT M. Phil Anatomy M. Phil Pathology M. Phil Pharmacology	February 26-28, 2019
Islamabad	Computer Sciences Electrical Engineering Computer Engineering Management Sciences	BS CS BS IT BEE BSE BCE BBA MBA	September 24-26, 2018
Lahore	Management Sciences Computer Sciences	BBA MBA BSCS BS IT	9-10 Oct 2019
BUMDC Karachi	All Departments	MBBS BDS DPT BS MLT M. Phil Anatomy M. Phil Pathology M. Phil Pharmacology	September 5-7, 2018

**Details of Self-Assessment Exercise conducted during 1<sup>st</sup> July 2018- 30 June 2019 at Bahria University**

Campus	Departments	Program	Dated of Visit
Karachi	Management Sciences	BS A&F	26-27 Feb 2019
	Media Studies	BS Media Studies	28 Feb -1 Mar 2019
Islamabad	Management Sciences	BS A&F / MS SCM MS Finance	10-12 April 2019
	Professional Psychology	BS Psychology / MS CP	
	Media Studies	BS Media Studies	
	Earth and Environmental Sciences	PhD Geology	
	Software Engineering	MS Engineering Management	

Campus	Departments	Program	Dated of Visit
Karachi	Management Sciences	M.Phil Management Sciences	26-27 Mar 2017
	Professional Psychology	MS Professional Psychology PhD Professional Psychology	
Lahore	Computer Sciences	MS Computer Sciences	8-9 April 2019

### 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
Islamabad	Earth and Environmental Sciences	PhD Geo-Physics	14 Mar 2019
Islamabad	Humanities and Social Sciences	PhD International Relations	15 Oct 2018
Islamabad	Computer Sciences	MS Data Sciences	25 Sept 2018
Islamabad	Law	LLM (International and Maritime and Law)	3 July 2018
Karachi	Management Sciences	MS Project Management	18 July 2018 Fall 2013
Karachi	Maritime Science	MS Maritime and Shipping Management	20 Mar 2019
Karachi	Maritime Science	MS Maritime Trade and Logistic	28 Feb 2019
Lahore	Management Sciences	MS Management Sciences	29 Oct 2018
Lahore	Management Sciences	PhD Management Sciences	19 July 2018

### Impact of Quality Assurance & Academic

#### Audits

1. More Ph.D. faculty has been hired / inducted
2. Teaching and Learning methods have been improved
3. Student's Feedback/Surveys are given due importance
4. PERN utilization has been increased
5. More Research publications in ISI – indexed & Impact factor journals
6. More offices for faculty & classrooms for students have been established
7. Libraries of the Campuses have been upgraded
8. All newly launched and old programs are recognized by HEC and respective council
9. Inclusion in International Rankings like QS Rankings

### Cash Award Cases Scrutinized

1. To promote the research culture at Bahria University by enhancing faculty and students' research publications.
2. The Higher Education Commission of Pakistan publishes 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).
3. 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.
4. For the purpose of enhancing the annual research output of Bahria University, a policy on cash awards has been duly approved and implemented.



**Cash Award for Research Publications - 1 July 2018 to June 2019:**

Campus	Total No. of Publications	Category				Financial Value (Rs)
		IF	X	Y	BU	
BUIC	175	134	13	26	2	7,240,000
BUKC	45	18	7	13	7	1,240,000
BULC	7	6	-	1	-	310,000
BUMDC	24	6		6	12	480,000
<b>Grand Total</b>	<b>251</b>	<b>164</b>	<b>20</b>	<b>46</b>	<b>21</b>	<b>9,270,000</b>

**Training conducted for capacity building****PPMI Training on "Development of Key Performance Indicators"**

Pakistan Planning and Management Institute (PPMI) conducted training on "Development of Key Performance Indicators" March 13-15, 2019 at their headquarters H-8/1 Islamabad. Manager Quality Assurance, Mr. Muddassar Javed and Quality Assurance Officer Mr. Muhammad Iftikhar Ali represented Bahria University.

The purpose of the training was to apprise participants about how to develop Key Performance Indicators. All speakers highlighted the significance of developing key performance indicators in achieving set targets. DG PPMI Dr. Muhammad Ali Noor addressed the participants about the theme of the training and distributed certificates among them.

**International Conference on "Quality Assurance in Higher Education"**

Pakistan Network of Quality Assurance in Higher Education (PNQAHE) organized 2nd International Conference on "Quality Assurance in Higher Education" on April 23-25, 2019 in collaboration with Khyber Medical University and University of Education, Lahore. The venue of the conference was University of Education Lahore.

Manager Quality Assurance, Mr. Muddassar

Javed and Quality Assurance Officer, Mr. Muhammad Iftikhar Ali represented Bahria University in the conference.

On April 23, 2019 pre-conference workshops by the international speakers were conducted on topics such as Embedding quality culture in university: a management perspective, The Role of Performance Evaluation Systems within the Quality Assurance Framework: Challenges and Opportunities, Strategic Planning for your organization, Establishing and maintaining a culture of quality, Constructive Alignment of Teaching, Learning, and Assessment to the Intended Level of Course and Program Learning Outcomes, KPIs and Benchmarking, Improving HEIs Performance. The renowned international speakers were Kethamonie Naidoo Director Accreditation Council on Higher Education (CHE), South Africa, Donald Staub Assistant Professor Department of Business and Management Bandirma Onyedi Eylul University, Turkey, Bahar Gun Head of the Teacher Development Unit in the School of Foreign Languages Izmir University of Economics Turkey, Bassam Alhamad Director of the Quality Assurance & Accreditation Center, University of Bahrain (UOB), Assistant Professor in Chemical Engineering, Bahrain, Selva Staub Assistant Professor, Department Of Applied Sciences Bandirma Onyedi Eylul University Turkey.

Inaugural session of the conference took place on April 24, 2019. In the inauguration

session President PNQAHE, Prof. Dr. Arshad Javaid (VC KMU) was the chief guest and Prof. Dr. Shafique -Rehman , Adviser of Quality Assurance, Higher Education Department of KPK was guest of honor. Prof. Dr Arshad Javaid thanked the Vice Chancellor UoE for hosting PNQAHE conference in the University. President PNQAHE emphasized the purpose of PNQAHE for the improvement of education standards with the joint efforts of all the stakeholders of the country.

Prof. Dr. Shafiq highlighted that launching semester systems is the project of Quality Enhancement Cell of KPK. He also elaborated that Higher Education Department has established QA Department in KPK for improving the quality education of higher educational level.

Prof. Dr. Azam Ali Khawaja, former Managing Director, Quality Assurance Agency, HEC attended the conference and expressed his views on progressing status of Quality Assurance in Higher education. He appreciated that from 10 QECs which were established in 2006 the number has now increased to 184. Dr. Khawaja supported the establishment of PNQAHE, and launched its mission at large.

In this conference more than 50 research papers were presented. Quality Assurance Officer Mr. Muhammad Iftikar Ali also presented his research paper titled "Impact of Self Academic Audit (SAA) for Program Level Accreditation: A Case Study in Pakistan".

In the closing ceremony the former Advisor, Quality Assurance, Higher Education Commission Riaz Ahmed Qureshi joined as Chief Guest. He highlighted the background of Quality Assurance of Higher Education commission and its scope to internationalize the programs.

### QS Asia Rankings 2019

QS is considered to be the world's most authentic and powerful rankings of universities.

On 24 Oct 2018, it announced Asia Rankings 2019. As many as 23 Pakistani universities have been named among the top 500 higher education institutes in Asia.

Bahria University for the first time has been ranked in QS Asia University Rankings. It is ranked 351-400 (353). Among 23 Pakistani Universities, Bahria University is at 11th position.

### 1<sup>st</sup> International Seminar on QS World University Rankings

The University of Lahore organized "1st International Seminar on QS World University Rankings" on March 29, 2019. The purpose of the event was to apprise all those HEIs who were ranked in QS Asia Rankings 2019.

Rector, Bahria University Vice Admiral (R) Muhammad Shafiq and Director Quality Assurance, Mr. Fazal Wahab represented Bahria University. Minister of Federal Education, Mr. Shafqat Mahmood was the chief guest at the occasion.

QS officials briefed participants about the significance of QS World Rankings and its methodology in detail. Event proved to be a good platform for all the universities in Pakistan as it enables them to learn about the mechanism of the QS World University Rankings.

At the end of the seminar Chief Guest distributed shield and certificates among the participants.

### QS University Ranking & Rating Seminar

NUST in collaboration with Quacquarelli Symonds, a renowned UK-based International Ranking Agency, organized "QS University Ranking & Rating Seminar" on April 01, 2019. Quality Assurance Officer, Mr. Muhammad iftikhar Ali and Quality Manager Islamabad Campus, Ms. Sobia Shujaat represented Bahria University in the QS University Ranking and



Rating seminar.

Mr. Ashwin Fernandes, Regional Director for QS Intelligence Unit in Middle East; and Dr. Nadeem Khan, Dean of Institutional & Academic Accreditation at the Higher Colleges Technology, UAE were the resource persons of the seminar.

They briefed the participants about how HEIs ranking can be improved over a period of time. They also pointed out those parameters in the methodology that a university can focus for improving their rankings.

Lt Gen Naweed Zaman, HI (M), (Retd), Rector NUST, VCs/Rectors of other Pakistani universities along-with delegates from different universities of Pakistan participated in the seminar.

The seminar provided an opportunity for HEIs to learn and take further benefit from the ranking system through multiple ranking categories for achieving better global visibility.

### HEC Progress Review Meeting

Annual Progress Review meeting of Phase-III QECs established by Quality Assurance Agency (QAA) HEC was held at Grand Ambassador Hotel, Islamabad on April 4-5, 2019. Manager Quality Assurance, Mr. Muddassar Javed and Quality Assurance Officer, Mr. Muhammad

Iftikhar Ali participated from Bahria University in the meeting.

The purpose of the meeting was to monitor the progress of Internal and External Quality Assurance mechanism in light of new and revised template of Quantitative Assessment Report introduced by QAA (HEC) in 2017. All universities shared their progress of implementation of new Quantitative Assessment mechanism along-with any issues related in implementation of the above mechanism. Mr. Muhammad Iftikhar Ali presented the Bahria University's QA Yearly Progress.

Training on revised template of Quantitative Assessment was also conducted. The training focused on the better understanding of the new IQA and EQA mechanism. At the end of the meeting certificates were distributed among the participants by Director QAA HEC.

### 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 before Mid-term and Final Term exams of each semester. Slowly and gradually the system is improving.





# UNIVERSITY



## Chapter 4

# International Collaborations

Chapter 4

# International Collaborations

# International Collaborations

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. International Office, BU supports formal relationships with foreign universities and institutions. Such relationships bring a wide range of educational benefits, such as Credit transfer, Student/Faculty Exchange Programs and Joint Research Projects.

## Progressive Increase

Believing in the importance and academic value 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 various Universities in the academic year 2018-19.

## 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 for 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. The tuition fee is paid by the University. Since the signing of the agreements

Bahria University has sent 22 students on exchange program 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 3,730.00 as 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 in 2018.



### **Bahria University holds International Summer School Programs in Collaboration with Foreign University**

Bahria University conducted exclusive International Summer School programs on "International Business Skills" and "Community Wellness: Psychotherapy & Social Change Process" at Bahria University, Islamabad. The programs were conducted by Dr. Sander Schroevers, Professor, Amsterdam University of Applied Sciences and Dr. Patricia Omidian, PhD in Medical Anthropology from the University of California, Berkeley USA.

The Summer School on "International Business Skill" helped participants in enhancing Communication Skills along with providing a professional experience of the outside world. Students learned both theoretical and practical knowledge with various business and Industry leaders in the International Business Market. International Leadership, Global Negotiating, Global Job hunting were the major aspects of Business Skills Summer School. The summer school on community wellness provided students to develop an understanding of community based wellness and resilience, as well as some basic techniques to work in community settings. Participants experienced the skills needed for community based mental health program development.

International Summer Schools are a regular feature of BU with opportunity for students to International exposure. Pro Rector/ Director General, Islamabad Campus Rear Admiral (R) Shahid Saeed HI (M), while speaking at the closing ceremony highlighted the efforts of BU to groom the personalities of students through such summer school programs to become responsible global citizens.

### **Bahria University Holds International Summer School Program on Community Wellness**

Bahria University, Islamabad campus conducted an exclusive International Summer School programs on "Community Wellness: Psychotherapy & Social Change Process" August 6-10, 2018. The program was conducted by Dr. David Rowland from Valparaiso University, USA.

The theme of the summer school program was Neurochemistry and Psychopharmacology related to drug actions, substance abuse and addictive disorders.

The program delivered apprentices the theoretical and practical evidence about the concepts of chemical reliance, ranging from basic terminology/definition of Neurophysiology of infatuation to drug mechanism of abuse, depiction of the addict and diagnostic and intervention tactics.

The Summer School on "Neurochemistry and Psychology of Substance Use and Addiction" helped participants in improving Communication Skills along with providing a professional experience. The summer school on "Community Wellness provided students an understanding of community based wellness and resilience and also some basic techniques to work in community settings. Participants experienced the skills needed for community based mental health program development.



### **Dutch Maritime Delegation Visit to Pakistan (February 11 – 15 , 2019)**

The Dutch Maritime Delegation comprising of diplomats and representative of various Dutch Maritime Industries visited Pakistan from February 11 to 15, 2019. During the visit team comprising of officers from National Institute of Maritime Affairs (NIMA) and National Centre for Maritime Policy Research (NCMPR) participated in a number of activities. The Dutch delegation was extended invitation for the closing ceremony of 8th International Maritime Conference (IMC 2019). The delegation headed by H.E Mrs Ardi Stoios-Braken, Ambassador of the Netherlands, graced the occasion with their presence. A knowledge seminar was organized by Dutch Embassy in Marriot

hotel Karachi February 12, 2019. NCMPR Honorary Fellow Vice Admiral (Retd) Asaf Humayun HI(M), delivered a presentation on "Maritime Landscape of the Pakistan". During his talk he discussed the various contours of maritime sector of Pakistan including; Historical Evaluation and Contemporary State of Maritime Affairs. Emerging opportunities in the context of CPEC and support/potential of the country was also emphasized.



The presentation also highlighted the brief history of interaction between Pakistan and Netherland at state level. The event was attended by approximately 60-70 personnel of various maritime organizations of Pakistan. After opening remarks by Dutch ambassador the representative of Dutch maritime companies gave overview/business of their respective companies. Dutch delegation primarily composed of business community from Netherlands and focused to expand their economic motives. Pakistan Maritime

stakeholders may undertake joint business ventures in mutually beneficial areas and Pakistan can learn a lot in the field of ships construction, port facilities, dredging, automation, offshore drilling etc.

**Erasmus Teaching Mobility Program**

**Bahria’s Dental Faculty Visits The Altinbas University**

BUMDC and Altinbas University of Turkey have ensured educational and research collaborations with each other over the year. Earlier this year a delegation from Altinbas University visited BUMDC and conducted educational activities and encouraged future research collaboration between the two universities.

This visit was conducted in order to learn about the integration of the dental curriculum, teaching methodology to explore the possibility of future collaboration between the universities. Dr. Shama Asghar, Head of Department of Operative Dentistry, and Dr. Tabassum Ahsan Qadeer, Head of Department of Orthodontics were selected by Bahria University and visited Altinbas University in October 2018 and April 2019 respectively. The visit also involved lectures given by the faculty members to the undergraduate and postgraduate students of the University. They were also taken around the university and shown the different research facilities available. A memorandum of understanding was also signed for further research collaborations.



**Dr. Shama Asghar with faculty of University of Altinbas, Istanbul, Turkey**

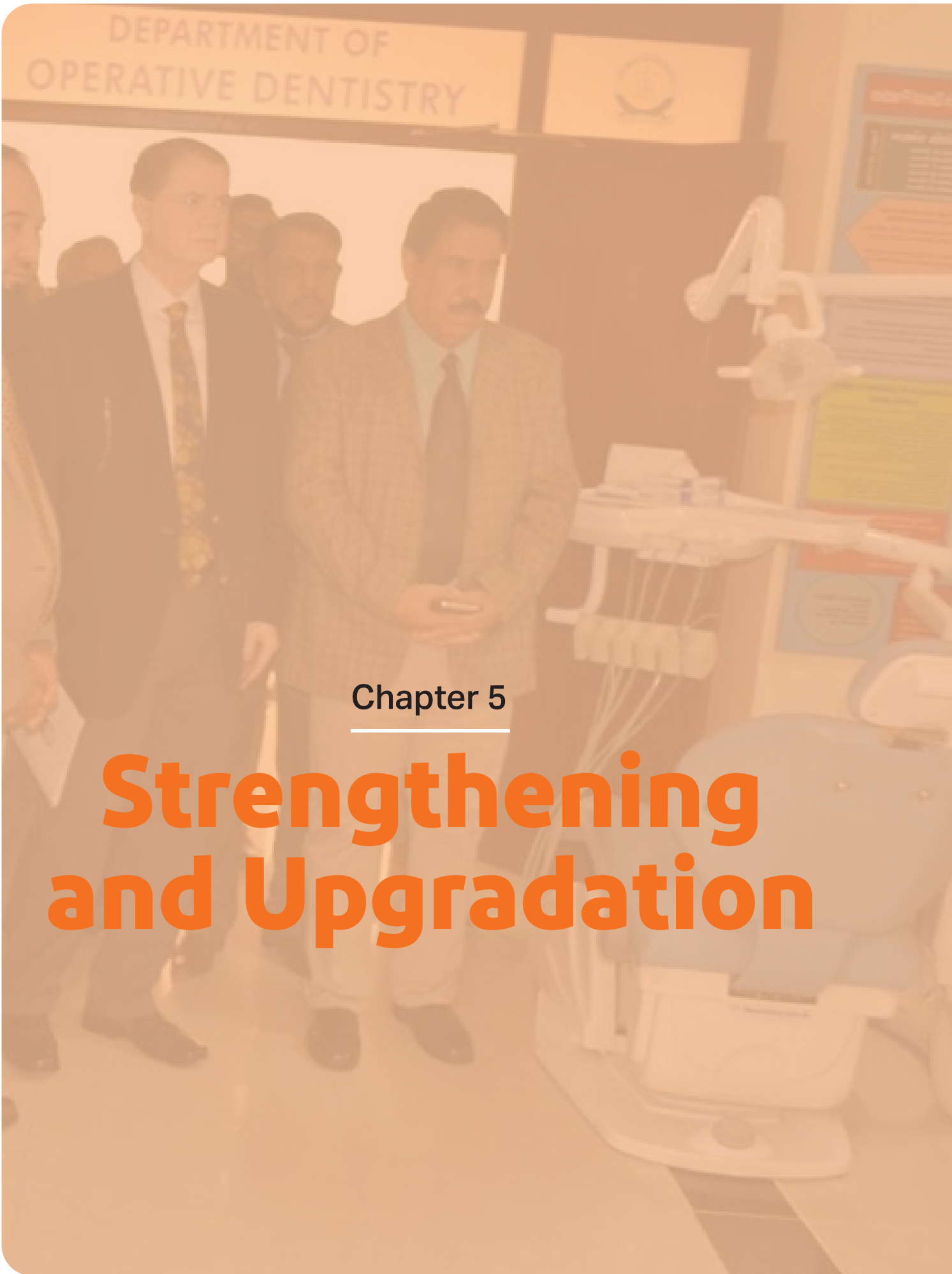


**Dr. Tabassum Ahsan with the postgraduate students of Department of Orthodontics, Altinbas University**



Chapter 5

# Strengthening and Upgradation



**Chapter 5**

---

# **Strengthening and Upgradation**

## Strengthening and Upgradation

Strengthening and upgradation of computer laboratories, libraries and academic facilities are essential for achieving excellence, the University has invested in upgrading and setting up infrastructure and facilities. Details are as follows:

### Progress of Projects, Construction at Various Campuses

S#	Description	Expenditure upto 30 Apr 2019
1.	New Academic Block	42.840 M
2.	Innovation and Commercialization Centre at BUIC	26.879 M
3.	Addition and Alteration work BUM&DC Karachi	09.109 M
<b>Total</b>		<b>78.828 M</b>

### Procurement

S#	Description	Quantity	Total Cost Rs.	Department
1.	Printers	2	288,320/-	DG HS Directorate
	PCs	2		
2.	PCs	2	248,300/-	P&D Directorate
	Printers	2		
3.	Printing of BU Annual Report Book 2017-18	-	292,200/-	D Q A
4.	PC	1	108,000/-	A A Directorate
	Printer	1		
5.	PC	1	110,000/-	Finance Directorate
	Printer	1		
6.	PCs	2	167,000/-	PGP Directorate
	Printer	1		
	UPS	1		
7.	Digitalization of BUHO Exam Dte Record	01 job	483,600/-	Exam Directorate
8.	License Renewal of Sophos Firewall	01 job	1,595,363/-	IT Directorate
9.	Procurement of Phones equipment	-	53,707/-	P & D Directorate

**PC-1 Projects P&D Directorate 2018-19**

S #	Description	Expenditure up to 30 April 2019
1.	NCMS Block H-11/4 lbd	Rs. 133.264 M
2.	Multipurpose Hall H-11/4 lbd	Rs. 24.867 M
3.	Girl Hostel H-11/4 lbd	Rs. 61.408 M
4.	NCMS Block Karachi (PC-1 Projects)	Rs. 142.965 M
5.	Research & Girl's Hostel Karachi	Rs. 83.166 M
<b>Grand Total</b>		<b>Rs. 445.670 M</b>

**TECHNOLOGICAL INFRASTRUCTURE**

**Bahria University Islamabad Campus**

Keeping in view current security situation, HEC started Safe Campus project for the universities where Smart University Project (SUP) is already implemented, to improve overall security situation and protection of life and property within the campus. Bahria University Islamabad Campus is one of those campuses where HEC has installed IP Surveillance cameras, provided with HD IP camera system, Power-over-Ethernet (PoE) ports, Facial Detection System, Facial Recognition Software, Video Summary Software, Hardware Firewall and Uninterrupted Power Backup Systems.

**Bahria University Karachi & BUMDC Campus**

Smart University Project (SUP) has also been completed in both campuses. Both campuses are equipped with an advance Wi-Fi technology providing wireless blanket coverage across campus, enabling users to freely access internet in all open and indoor areas, power backup units (UPSs) for 24x7 services. Both campuses have been provided support of Eduroam services which enable students and faculty to freely access internet, while visiting any other university in the country offering Eduroam services or universities abroad which fall under the umbrella of CERN.





### Human Resource Management

A comprehensive HRM (Human Resource Management) system has been developed to maintain and track information pertaining to all employees including staff, officers and faculty of all campuses. Faculty promotion module has also been developed and integrated with the HRM. To further facilitate, system also provides the Employee Contract Expiry Alerts.

### CMS – Financial Aid Module

Financial aid/Scholarship module has been developed and integrated with CMS. Through this, student can apply for available scholarships and their cases are processed electronically by concerned authorities on different level which includes initial scrutiny by the respective Campus, their recommended percentage of scholarship and final recommendation and approval by Head Office.

### Inauguration of Operative Dental OPD

The inauguration of the new dental OPD for the Department of Operative Dentistry was held

on December 5, 2018. The expanded OPD was inaugurated by the Honorable Rector Bahria University, Vice Admiral (R) Muhammad Shafiq, HI (M). Dean and Principal Bahria University Medical College Professor Asadullah Khan, Principal Dental College Dr. Wahab Kadri, Senior staff and faculty members were also present. The honorable rector appreciated the work done and commended the efforts of the administrative staff and the faculty members for providing high quality dental facility at subsidized rates.

### Upgradation of OPDs of Departments of Oral and Maxillofacial Surgery and Prosthodontics

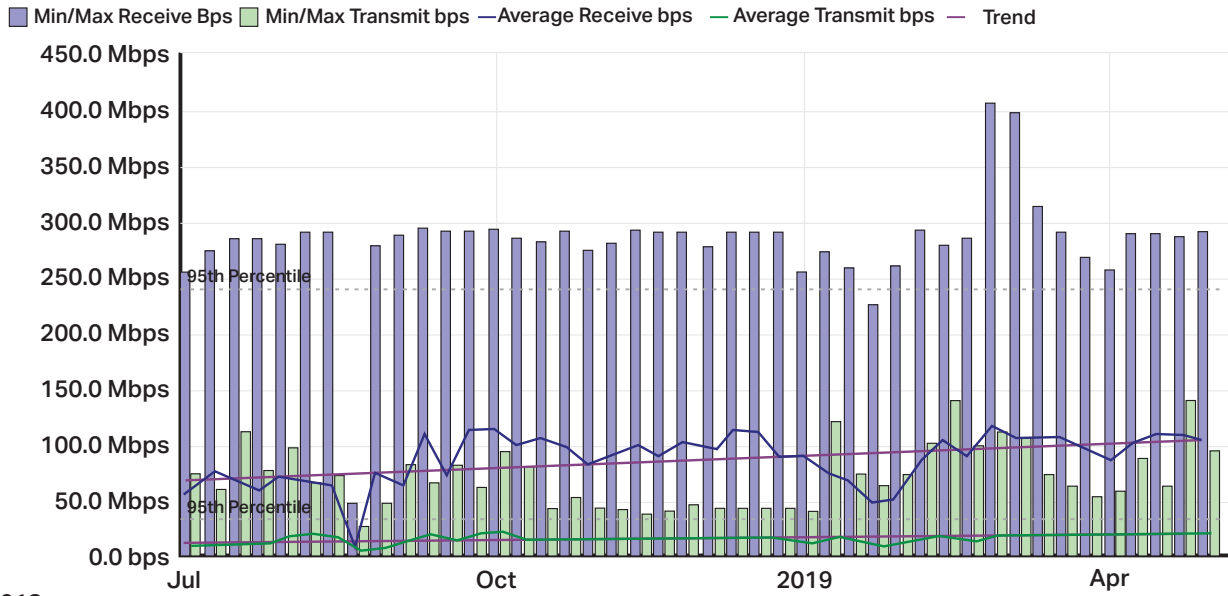
The Departments of Oral & Maxillofacial surgery and Prosthodontics were upgraded and expanded. Minor Oral Surgery Department has been added to the department of OMFS. The department of Prosthodontics was refurbished and three new dental chairs were added.



**PERN Graphs of All BU Campuses**

**BU ISB - GigabitEthernet1/0/0.20 - For Inter-Service**

Min/Max/Average bps of Recv 286.0 Mbps Xmit 286.0 Mbps  
7/1/2018 12:00:00 Am~4/30/2019 11:59:59 PM

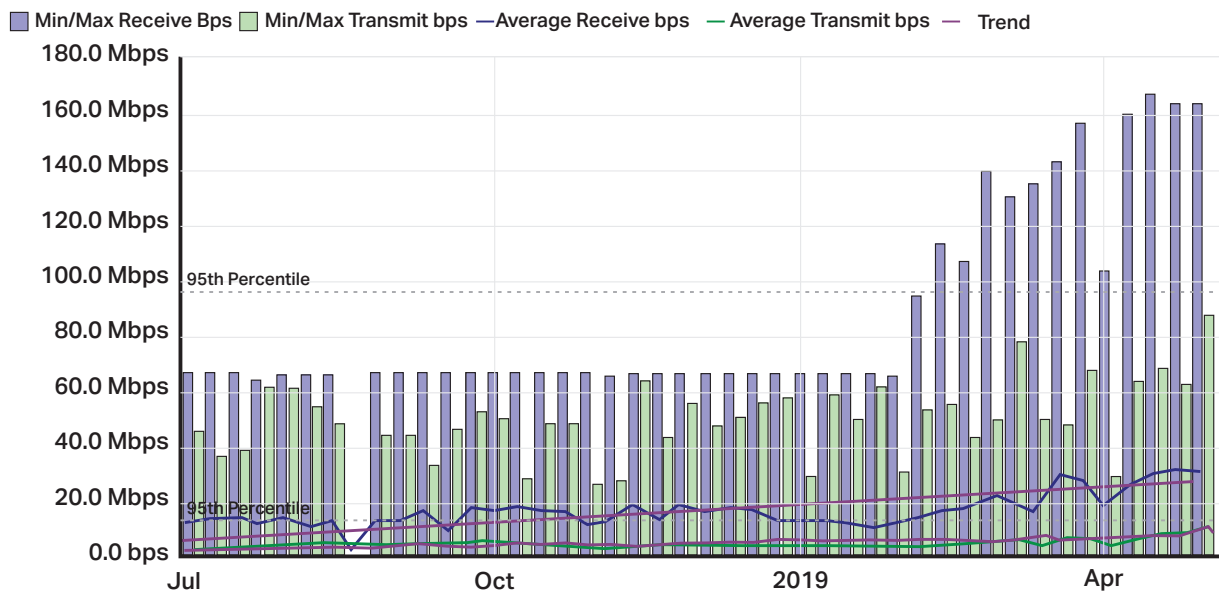


2018

95th Percentile: Average Receive bps is 235.345 Mbps. Average Transmit bps is 31.3205 Mbps  
Solar Winds Orion Core Services 2017.1

**BU Khi - GigabitEthernet1/0/0.20 - For Inter-Service**

Min/Max/Average bps of Recv 164.0 Mbps Xmit 164.0 Mbps  
7/1/2018 12:00:00 Am~4/30/2019 11:59:59 PM

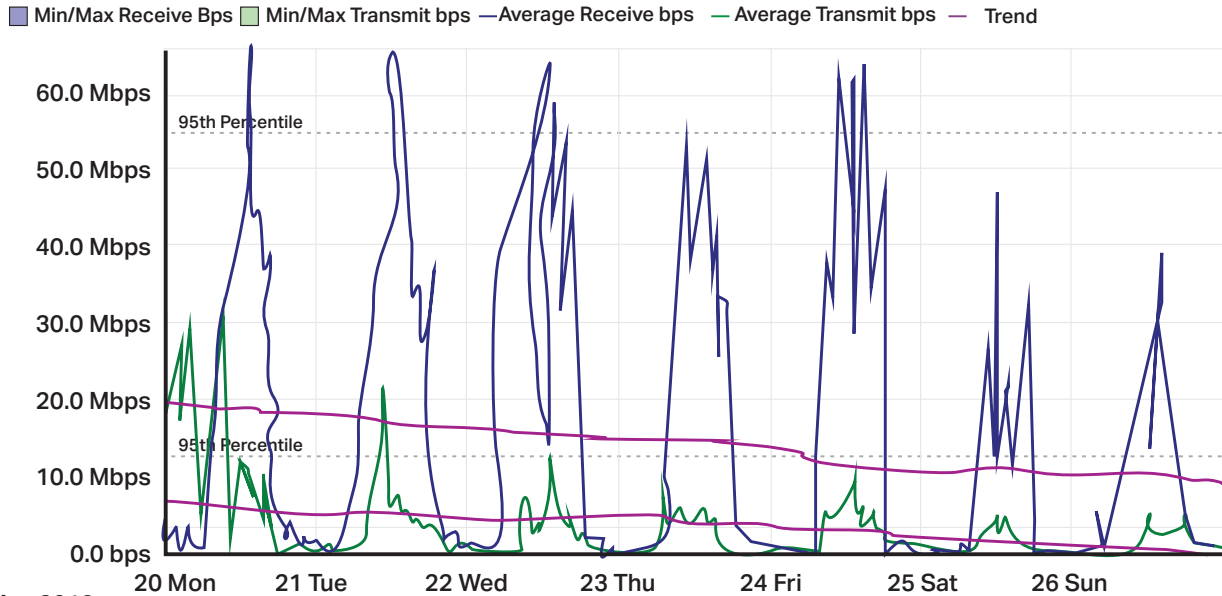


2018

95th Percentile: Average Receive bps is 235.345 Mbps. Average Transmit bps is 19.8957 Mbps  
Solar Winds Orion Core Services 2017.1

### BU LHR - GigabitEthernet1/0/0.20 - For Inter-Service

Min/Max/Average bps of Recv 64.0 Mbps Xmit 64.0 Mbps  
7/1/2018 12:00:00 Am~4/30/2019 11:59:59 PM

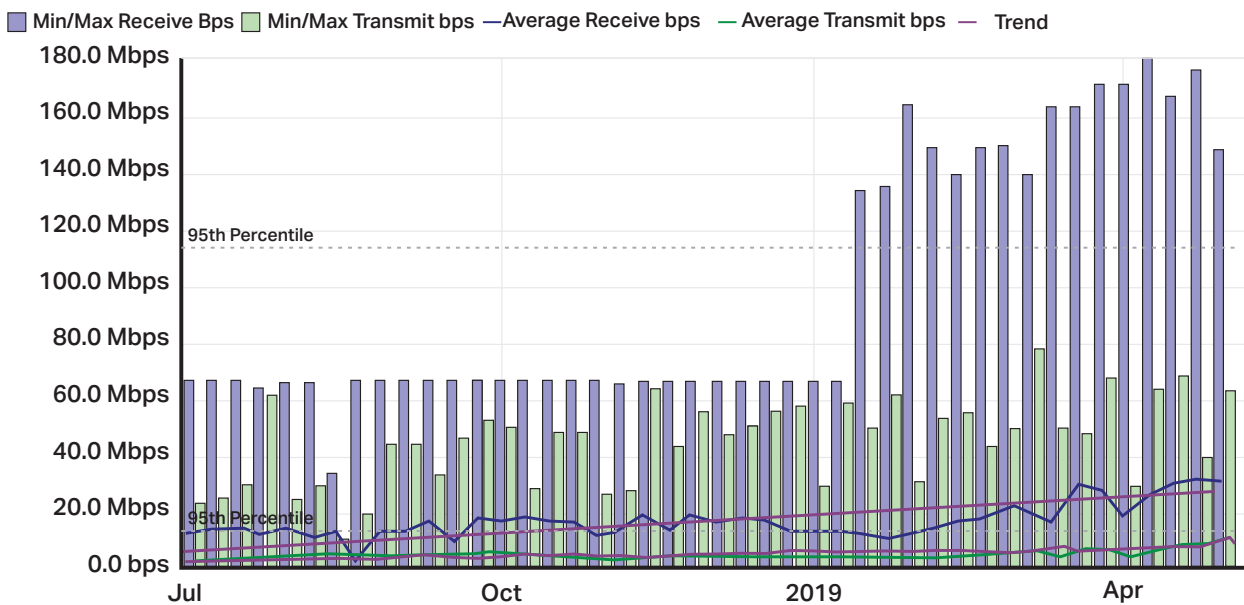


May 2019

95th Percentile: Average Receive bps is 54.1719 Mbps. Average Transmit bps is 12.5566 Mbps  
Solar Winds Orion Core Services 2017.1

### BUMDC Khi - GigabitEthernet1/0/0.20 - For Inter-Service

Min/Max/Average bps of Recv 164.0 Mbps Xmit 164.0 Mbps  
7/1/2018 12:00:00 Am~4/30/2019 11:59:59 PM



2018

95th Percentile: Average Receive bps is 112.478 Mbps. Average Transmit bps is 7.901 Mbps  
Solar Winds Orion Core Services 2017.1

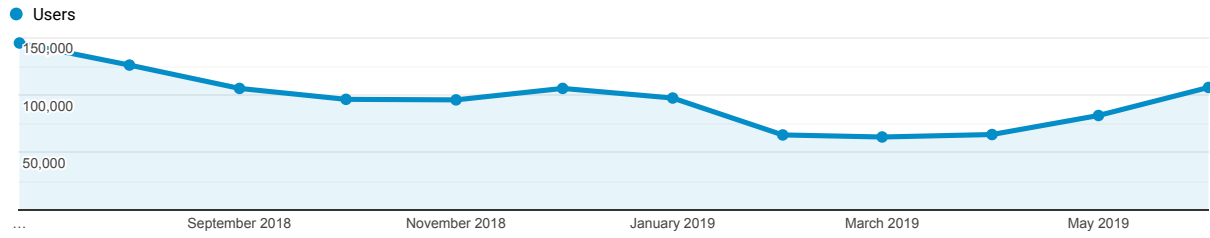
## Analytics of Bahria University Official Website

### Audience Overview

Jul 1, 2018 - Jun 30, 2019

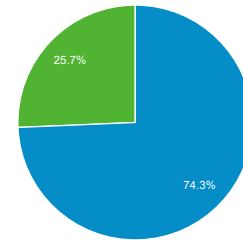
**All Users**  
100.00% Users

**Overview**



<b>Users</b> <b>909,227</b>	<b>New Users</b> <b>878,391</b>	<b>Sessions</b> <b>2,271,976</b>
<b>Number of Sessions per User</b> <b>2.50</b>	<b>Pageviews</b> <b>7,191,086</b>	<b>Pages / Session</b> <b>3.17</b>
<b>Avg. Session Duration</b> <b>00:03:14</b>	<b>Bounce Rate</b> <b>45.80%</b>	

■ New Visitor ■ Returning Visitor



Language	Users	% Users
1. en-us	682,039	74.68%
2. en-gb	190,411	20.85%
3. en-pk	19,882	2.18%
4. en	5,472	0.60%
5. en-au	3,403	0.37%
6. en-ca	2,599	0.28%
7. (not set)	2,479	0.27%
8. en-in	682	0.07%
9. zh-cn	617	0.07%
10. en-za	430	0.05%



Chapter 6

# Faculty Development



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).



The Leadership Development Center has established Faculty Development Academy with the aim to provide training courses both soft and hard skills for faculty in areas such as proposal writing and 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, mentioned table.

holding workshops, conducting short duration professional trainings and workshops and organizing short term certificate and diploma programs for market professionals.

BU is a growing institution and to keep up with the requirements of its expansion new faculty is being hired. To keep these newly inducted faculty members abreast with the latest innovations in teaching pedagogies and to acclimatize them with 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:

### 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

S.No	Title	Date of Conduction	Target Audience	Facilitator
1.	CME workshop on how to construct PBL cases	July 10, 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
2.	CME workshop on quality assurance in assessment (interpretation of item analysis)	July 19, 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.

S.No	Title	Date of Conduction	Target Audience	Facilitator
3.	CME workshop on TOS and Blue print	August 9, 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
4.	Writing Research Proposals & Current Clinical Research Adhesives"	August 15, 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)
5.	Biological risk assessment. Management and prevention	September 12, 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
6.	How to Write Learning Objectives	October 18, 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
7.	Hands-on Workshop on SPSS	January 14, 2019	Batch 1 and Batch 2 MPhil Program	Mr. Faisal Fahim Statistician DPT Program
8.	One day CME session on "Treatment options for edentulous arches"	February 12, 2019	All Final year BDS students and Dental faculty members	Dr. Asma Naz Assistant Professor & Head of the Department Jinnah Medical and Dental College.
9.	Short Talk on Negative Effect of Social Media and Web Based Harassment.	February 13, 2019	MBBS, BDS, DPT, MLT and MPHIL female students and all female faculty members	Mr. Abdul Ghaffar Deputy Director FIA Incharge Cyber Crime
10.	CME WORKSHOP - "PBL PROCESS	February 21, 2019	All new medical and dental faculty members	Faculty members of DME (BUMDC) 1. Dr. Talea Hoor 2. Dr. Shafaq Sultana



S.No	Title	Date of Conduction	Target Audience	Facilitator
11.	One day seminar: Global career enhancement opportunities in ultrasound/ echocardiography	February 28, 2019	MPhil students, PG registrars and all faculty members. third year, fourth year and final year MBBS students	Keynote address on ARDMS and CMRTO awareness Mr Azher Kidwai (Director Medinix ARDMS and CMRTO)
12.	One day CME Lecture by AKUH: "Interpretation and Diagnostic importance of CBC"	March 28, 2019	ALL faculty members (Medical, Dental, DPT) MPhil students and postgraduate trainee registrars	Dr. Anila Rashid (Assistant Professor, Hematology, Department of Pathology and Laboratory Medicine, AKUH).
13.	CME WORKSHOP - "Mentoring"	April 9, 2019	All faculty members from Medical and Dental Section (mandatory for newly inducted faculty members Medical and Dental section)	Faculty members of DME (BUMDC) 1.Dr. Talea Hoor 2.Dr. Shafaq Sultana 3. Dr.Kiran Bana
14.	Modern Trend and Techniques of Breast Cancer Surgery"	April 2, 2019	Final year MBBS students, Post graduate students and faculty members	Dr.Syed Tariq Mustafa FRCS(Ire),FRCS(Edin). FRCS(Eng),EBSQ Diana Princess of Wales Hospital Grimsby,UK.
15.	Health Care Professional Awareness For Diabetes And Ramzan: How To Manage Patients With Fasting	April 25, 2019	faculty members (Medical, Dental, and DPT & MLT), students of final year MBBS and 3rd Year BDS	PROF DR. M. SAJID ABBAS JAFFRI
16.	Surveying and Designing Cast Partial Dentures"	April 30, 2019	All Final year BDS students and Dental faculty members	Dr Saman Hakeem

## Faculty Development Programs

### Faculty Orientation Training Program

#### (FOTP):

Three-Day Faculty Orientation Training Programme (FOTP) for newly inducted faculty was organized at BULC from Sep 4-6, 2018. On Day 1, Faculty were introduced to different departments at BULC and were given a briefing on BU policies and the facilities available for faculty at BULC. On Day 2, Engr. Syed Rizwan Ali, Manager BIC BUKC, conducted the session. It was an interactive and informative session for the new faculty inducted at BULC. On Day

3, faculty gave mock presentations on relevant topics and were evaluated by the trainer.

### Workshop on Strategic Time

#### Management:

A faculty development workshop on the topic of Strategic Time Management was held at Bahria University Lahore Campus on Sep 11-13, 2018. Cdre (R) Naveed Ahmad SI (M) was invited as the resource person for the workshop. He elaborated the importance of managing time and how it plays a key role in achieving the vision. The session was interactive and of immense learning value.

### World Maritime Day – 2018

National Centre for Maritime Policy Research (NCMPR), organized a Seminar to mark the celebrations of World Maritime Day 2018. The event was held on 4th October, 2018 at Fatima Jinnah Hall, Bahria University Karachi Campus. The theme for this year's celebration was "IMO 70: Our Heritage- Better Shipping for a Better Future". Former Chief of the Naval Staff Admiral (Retd) Shahid Karimullah NI(M), SJ graced the occasion as the chief guest. Vice Admiral (Retd) Syed Arif Ullah Hussaini HI(M), Rear Admiral (Retd) Pervaiz Asghar HI(M) Former Director General NCMPR, Commodore (Retd) S M Obaidullah SI(M) Former Director NCMPR and Mr. Kanwar Javaid, Research Fellow NIMA presented talks on different topics related to the theme. The Day is celebrated every year to signify the contributions of International Maritime Industry in World's economy and to focus attention on the importance of shipping safety, maritime security and marine environment.



### Maritime Discourses

National Centre for Maritime Policy Research (NCMPR) Karachi chapter of Institute of Maritime Affairs (IMA) organized a Maritime Discourse on "Contemporary Issues of Pakistani Seafarers: Challenges and Options" on August 9, 2018 at Fatima Jinnah Hall, Bahria University Karachi Campus. Captain Anwar Shah, Member Pakistan National Shipping Corporation (PNSC) Board of Directors and former Director General Ports & Shipping graced the event as the chief guest, while Mr. Adam Panjri, from Pakistan Seamen's Union (PSU) presented a talk on the subject of the discourse. Cdre (Retd) Ali Abbas SI(M),

Director NCMR Karachi while highlighting the significance of topic, welcomed the participants on behalf of DG IMA and thanked for their presence on the occasion. The talk was followed by an interactive and valuable discussion where the audience also shared their valuable thoughts on the theme. The event was attended by serving and retired naval personnel, faculty members, students, seafarers, government officials and maritime stakeholders.

On September 19, 2018 National Centre for Maritime Policy Research (Karachi) organized a Maritime Discourse on the topic "Maritime Strategy of Indonesia". The discourse was held at Fatima Jinnah Hall at BUKC. Ms. Irfa Puspitasari, who lectures at Social and Political Science University of Airlangga, Indonesia was Guest Speaker for the event. The event provided an opportunity to understand the initiatives taken by the Indonesia Govt for the development of the Maritime Sector.

National Centre for Maritime Policy Research (NCMPR) Karachi. Chapter of National Institute of Maritime Affairs (NIMA), organized a Maritime Discourse on "The Deep Mediterranean's Evaporite Giant; How much salt?" on 21 March 2019 at Fatimah Jinnah Hall, Bahria University, Karachi Campus. Dr Bilal ul Haq, Geoscientist at US NSF Washington DC a talk and highlighted the topic. Cdre (Retd) Ali Abbas SI(M), Director NCMPR Karachi welcomed the participant on Behalf of DG NIMA and thanked for their presence on the occasion. The talk was followed by an interactive and valuable discussion.



### The Maritime Winter School

The Maritime Winter School (MWS) 2018, an initiative of the Maritime Study Forum (MSF) in collaboration with the Institute of Policy Studies (IPS) and the National Institute of Maritime Affairs (NIMA) was held from December 23-27 at National Center for Maritime Policy Research (NCMPR) Karachi. As many as 14 participants from different and diverse backgrounds such as Blue Economy, Maritime Environment, Maritime Security, Maritime Archaeology etc. attended the school.

The five-day program included in-house interactive sessions with senior experts along with exposure visit to a number of maritime sector organizations and coastal sites. During closing ceremony Capt. Jamil Ahmed, Parliamentary Secretary for Ministry of Maritime Affairs in his key note address expressed the effects of «sea blindness» and how Pakistan despite being one of the maritime nation couldn't harness the potential to it's maximum use. He showed a commitment and resolves to engage research forums to give inputs on the matters pertaining to Maritime Affairs which can become part of legislation, policy and rules of business at policy level.

### Periodontology & Oral Medicine Poster Competition

The Department of Periodontology & Oral Medicine, Bahria University Medical & Dental College organized a Poster Competition on Tuesday, May 14, 2019. The Competition was held between students of Third Year BDS, divided into Six Groups, three groups representing each Department respectively.

The Judges of the Competition were Dr. Kulsoom F. Rizvi, Vice Principal Dental College & Head of Department Community Dentistry & Dr. Daud Mirza, Head of Department Oral Pathology. The Event was organized and supervised by Head of Department of Periodontology, Dr. Mushtaq A. Memon and Head of Department Oral Medicine and Principal Dental College, Dr. Wahab Buksh Kadri and our dedicated Lecturers Dr. Arsalan Khalid, Dr. Natasha Zaidi, Umair Aslam, Dr. Saima Mazhar, Dr. Natasha Fatima , & Dr. Moona Mumtaz.

The winners of the competition were awarded with Certificates in recognition of their efforts by the judges. Certificates of Appreciation were also awarded to the organizers of the event.







Chapter 7

**Access**



Chapter 7

# Access

## Access

Bahria University since its inception, aims to provide equal opportunities to all students in attaining their goals/targets regardless of their financial positions.

### Scholarships at BU

Every year, the university allocates funds from its own resources, in its budget exclusively for awarding scholarship. In FY 2018-19, an amount of Rs. 128.22 Million has been disbursed among eligible and deserving students under Scholarship head. Sources of these scholarship includes BU's dedicated budget and external organizations i.e. Higher Education Commission, Punjab Education Endowment Funds National ICT R & D etc. BU has also managed to disburse an amount of Rs. 5.89 million distributed under Student Study Loan for newly inducted students. The university offers various scholarships/Fee Concessions/Waivers 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

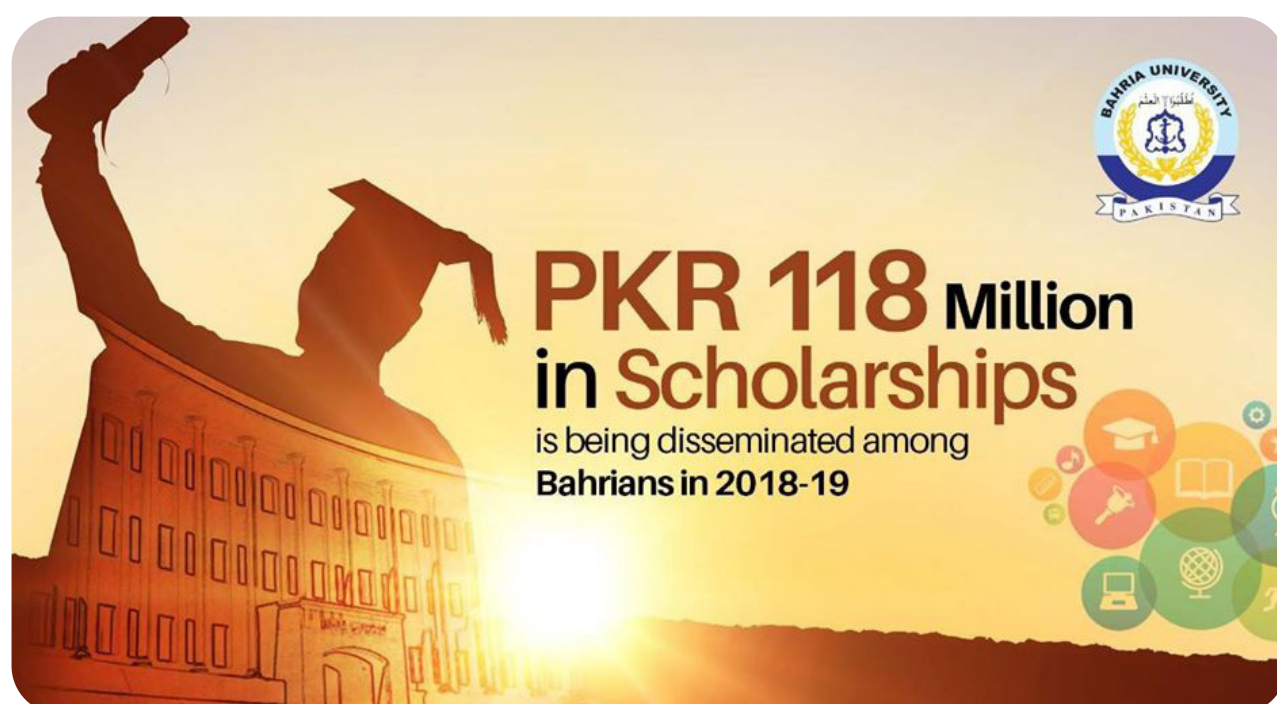
University Examination

- Financial Assistance Scholarship & Indigent Scholarship (Not active from Fall-2016 intake)
- Qarz-e-Hasna for needy students of Undergraduate & Postgraduate Program
- 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 for deserving students (1st semester only)

### Bahria University Endowment Fund Trust

Bahria University Endowment Fund Trust was established in 2018, with the aim to strengthen the function of Bahria University and for achieving its objectives more effectively. Bahria University Endowment Fund Trust will help in making higher education admissible to all segments of society, particularly the less privileged. Bahria University's vision is to transform the society into a place where Education, Science, Technology and Research prevails for a better future.

Bahria University Endowment Fund Trust will play a pivotal role in shaping the bright future of students at Bahria University. Donors can allocate their donations to a specific goal or leave it unrestricted for the University to utilize it into the upfront needs like offering scholarships, upgrading technology and infrastructure.



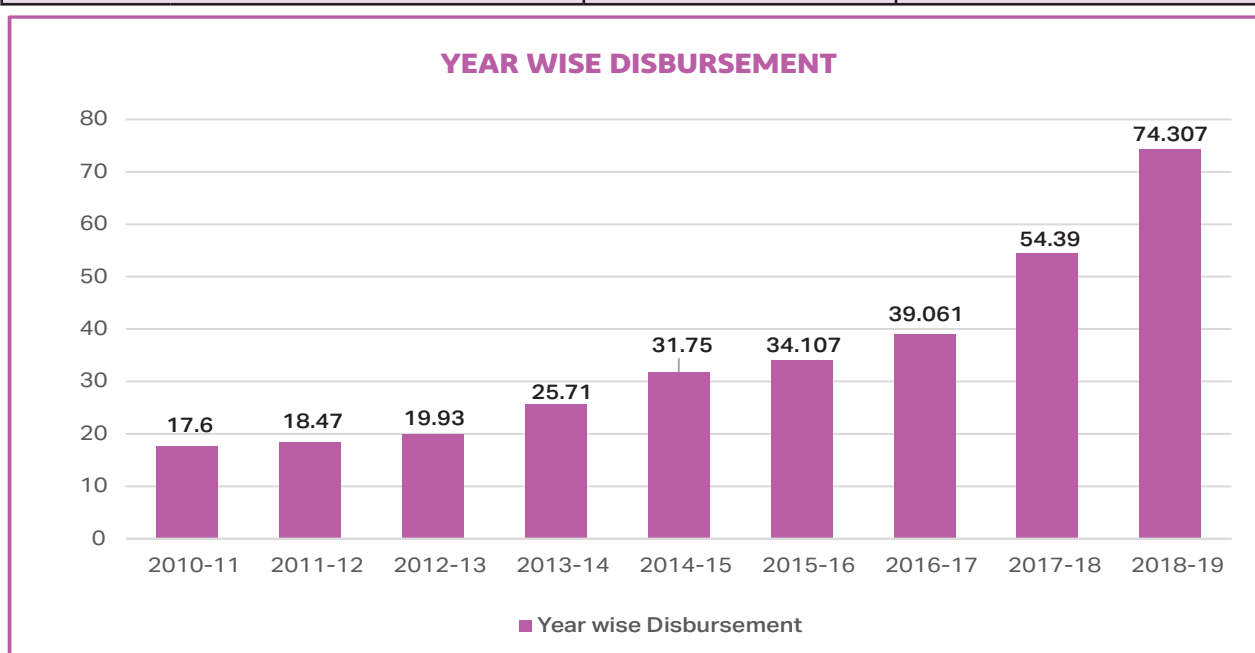
Bahria University Endowment Fund Trust will help BU in maintaining a conducive learning environment for its students, faculty and staff. BU invites philanthropist to become an integral part of BU Endowment Fund Trust in achieving its goals.

### Disbursement of Merit Scholarship for Batch Toppers

Merit Scholarship Summary					
Serial No.	Campus	Fall 2018		Spring 2019	
		Total No. of Students awarded	Amount of Merit Scholarship (Rs)	Total No. of Students awarded	Amount of Merit Scholarship (Rs)
1	Islamabad	188	6.556	216	7.946
2	IPP	27	1.103	42	2.263
3	Lahore	31	1.236	32	1.099
4	Karachi	103	3.571	113	3.324
5	DPT	1	0.053	6	0.315
<b>Grand Total</b>		<b>350</b>	<b>12.519</b>	<b>409</b>	<b>14.947</b>

### BU Sponsored Scholarship

S.No	Scholarship Program	No of Scholarships	Amount in Million (Rs)
1	Advance Merit Scholarship	643	18.11
2	Merit Scholarship	757	27.11
3	Financial Assistance Scholarship	152	3.647
4	Indigent Scholarship	14	0.345
5	BU Qarz e Hasna	643	25.095
<b>Grand Total</b>		<b>2,209</b>	<b>74.307</b>

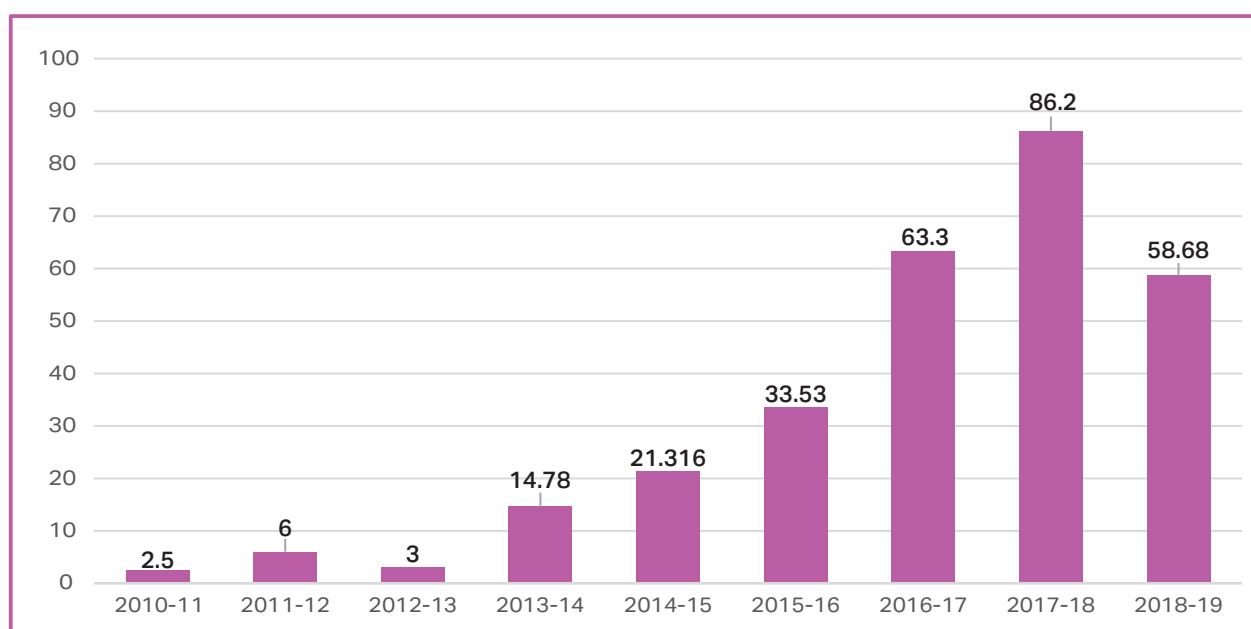




## Expenditure on Scholarships from University Resources (Rs. in Million)

### Externally Sponsored Scholarships

S. No	Scholarship Program	No of Scholarships	Amount in Million (Rs)
1	HEC Need Based	169	17.72
2	Punjab Education Endowment Fund (PEEF)	278	25.542
3	HEC-Provision of Higher Education opportunities for the students of Baluchistan & FATA	8	0.507
4	HEC-Prime Minister Fee Reimbursement Scheme for less developed areas of Pakistan (selected regions) PhD Only	34	5.59
5	Workers Welfare Boards	2	0.512
6	HEC Indigenous 5000 Fellowship Program	4	1.498
7	Frontier Education Foundation Scholarship for KPK	12	1.2
8	International Committee of Red Cross	10	1.345
<b>Grand Total</b>		<b>517</b>	<b>53.914</b>



### Merit Scholarship for BUMDC (Karachi)

Campus	MBBS		BDS	
	Number	Amount (Million)	Number	Amount (Million)
BUMDC Karachi	13	0.95	06	0.53
<b>Grand Total for FY 2018-19</b>	<b>19</b>		<b>1.53</b>	

## SCHOLARSHIP TESTIMONIALS

### Jamil Hussain:

(HEC FATA P-2 Scholarship Holder)  
(Deputy Director Product Division)

I belong to Parachinar which is the Headquarter of previous Kurram Agency. Scholarship program in Bahria University helps you in two ways: Firstly it is a motivation to maintain good grades and perform well. Secondly, it helps financially to complete the degree on time. This scholarship program helped me and many other people from remote areas of Pakistan. Right now, I am working in a Research and Development firm and all credit goes to Bahria University and the Scholarship Programs they are offering.



### Maghangir Shamsunder:

(NICT Scholarship Holder)  
(Block Chain Developer)

I am from Khipro, a small city of Sindh. When I started my studies, I was not able to continue but ICT Scholarship has changed my life. Without it, it was impossible for me to complete my degree. I'm proud that I'm the first Hindu here and also received a silver medal. I'm a Blockchain Developer now, a technology, that has just been introduced in Pakistan and the world is working on it. All of this is because of Bahria University and ICT Scholarship.



### Itrat Batool:

(PEEF Scholarship Holder)  
(Internee)

After intermediate, I wanted to continue my higher studies but when I thought about my background I felt like that it is not possible for me. After securing admission in Bahria University I applied for PEEF Scholarship, I met their criteria and got selected. From this, I got hope that I can achieve what I want to achieve. I've started my Internship and I will be a successful advocate In Shaa Allah. Thanks to Bahria for giving me Scholarship and making my career.



**Zahid Hameed:**

(FAS Scholarship Holder)

(Manager Operations, National Bank, G-10 Markaz)

I was not able to submit my dues and I could not ask my parents because they were not financially stable at that time. Bahria University offers wide variety of Scholarships and one of them was availed by me. After availing the scholarship, it gave me confidence to study and work at the same time because obviously education is not cheap now. Currently, I am posted at National Bank as Branch Manager Operations. Thanks to Bahria University for giving me this opportunity.

**Waleed Manzoor:**

(Need Cum Merit Scholarship Holder)

(Senior Lecturer – BUIC)



My family was not financially stable at that time when I started my degree. I applied for Need Cum Merit Based Scholarship and luckily, I got that scholarship. BU gave me motivation as well as financial help to complete my degree on time. Today, I am a proud teacher myself and students are performing very well on National level and International level. They are participating in International competitions for their projects and research.

**Alumni Affairs**

Bahria University values and nurtures its students not just when they are enrolled in the institution but also after they step out of its gates. To facilitate the graduates in this regard, Student Affairs Directorate has established a strong alumni network to foster the mission and purpose of the University, promotion of communication among alumni and students achieving their professional goals. This Office maintains an up-to-date Alumni Record. Different discounts are offered to alumni on BU Alumni card. Bahria University Alumni Network provides services and benefits to not only the Bahria University graduates, but also to current degree seeking students. Alumni working at top notch organizations at higher positions are also invited in university for guest lecture.

Bahria University Alumni Association (BUAA) was registered as an NGO on June 4, 2008 under the Societies Registration Act XXI of 1860. BUAA is a non-profit and non-political organization, set up for the benefit and welfare of the Bahria University alumni, employees and ex-employees in particular and Pakistanis at large. Bahria University Alumni Association Executive body is also member of Corporate Advisory Body. They help us in improving the curriculum of the university as per industry requirements.



Chapter 8

# University Building Economies

Chapter 8

# University Building Economies

# University Building Economies

In today's knowledge based economy, the role that universities play is fundamentally transforming. 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 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. The 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 2018-2019.

## Placement Office

The successful journey of Internships & Placement Office is upgraded and approved by competent authority through career manual to further enhance the working of internships & placement office. A dedicated Office has been established in all campuses in order to further strengthen and to provide more facilitation for our students and graduates. This facilitation has been further extended to all campuses in coordination with Career Services Coordinator at departmental level to have smooth connection with all students. Internships & Placement Office provides internship/ job opportunities to students/graduates to gain valuable applied experience and make connections in professional fields they are considering for career paths and give employers the opportunity to guide and evaluate talent.

Placement office bridges the gap between academia and industry by bringing employers and students together, facilitating opportunities that provide students with valuable industrial experience and introduce employers to an

enthusiastic, intelligent, and flexible workforce. Through placement office students are working on real industrial projects which helps them in their professional development and also securing placements in job market once they have graduated. Bahria University give students the opportunity to gain skills specific to their subject or industry of choice as well as the employability skills required for professional settings.

### **On Campus Recruitment Drive by Defense Organization**

Defense organization organized recruitment drive for technical and communication side.

BBA/BEE/BSCS graduates participated in drive. There was written test and interviews were conducted in their office premises for those who have cleared the test.

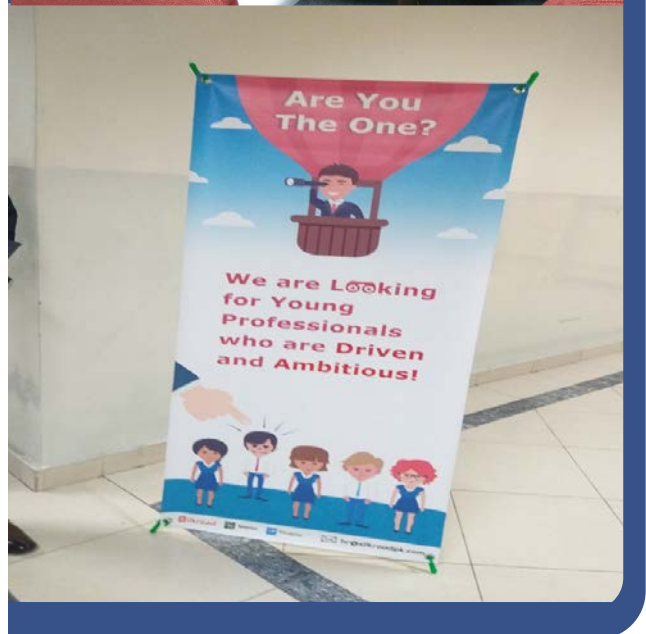
### **Meezan Bank**

Internships and Placement Office has arranged On Campus Recruitment Drive Session of Meezan Bank on October 11, 2018. Management team of Meezan bank gave brief introduction of Meezan Bank. They informed the students/graduates about Meezan Bank compliance with Shariah laws of banking sector. At the end the team took panel interviews from interested candidates. Final assessments will be done in Meezan Bank at later stage.

### **Silk Road Network Technologies**

Silk Road Network Technology Co., Ltd is mobile software developing company based in Islamabad. Silk Road is localized for Pakistan and is committed to enter the Pakistani market for Internet business to provide one-stop localization services, Social Media and Gaming Applications, Advertising Platforms, Payment Channel Solutions, Application Development and E-commerce.

Silk Road technologies visited Bahria University for On Campus Recruitment Drive on October 18, 2018. Internships & Placement Office has arranged session in LT-02. They took interviews from Management Sciences students/graduates for marketing executive position and Software Engineering candidates for Applications development.





### IDEAS Recruitment Drive

Internships and Placement Office has arranged On Campus Recruitment Drive Session of IDEAS (Gul Ahmed) on October 23, 2018. They took written test for the position of Retail Floor Manager. This position was for management Sciences students. Final assessment of successful candidates would be done at Gul Ahmed venue.



### Career Expo Fall 2018

Internships and placement office organized Career Expo Fall 2018 on Wednesday December 12, 2018 at Jahangir Khan Gymnasium Bahria University Islamabad Campus. The Career 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 & Computer Engineering, Computer Sciences, Social Sciences (Media Sciences & Development Studies) and Earth & Environmental Sciences (Geology and Geophysics). 83 organizations participated in Career Expo. Employers from IT, Telco, food and beverage, sales, customer service, education, NGO, hospitality and technical with entry level to advanced positions available for hiring. A feedback process was a part of Career Expo 2018, where all Employers were provided with a feedback form for acquisition of various details like quality of the event and also hiring students/graduates of Bahria University Islamabad.

### ARBISOFT on Campus Recruitment Drive Session

Internships and Placement Office has arranged On Campus Recruitment Drive Session of ARBISOFT for BSE, BSCS & BCE students/graduates on 19th December. This organization has built and refined technologies that improve lives while developing great relationships along the way. They take pride in strong capability for designing and engineering robust software using mobile, web and cloud technologies. They have built highly successful partnerships with some of the leading technology businesses of the world. In addition to conceptualizing and developing innovative software systems, which is their core expertise, Arbisoft also offers software quality assurance services, web data scraping and data analysis services.



### Faisal Bank Recruitment Drive 2019

Faisal Bank conducted Recruitment Drive 2019 on February 12, 2019 at LT-1 Hall. Manager HR gave brief overview to students regarding Faisal bank and MTO/Internship program. Head Sales North gave brief overview to students regarding banking sector and its shift from conventional banking to Islamic Banking. Final Year students from Management Sciences were present in this session.



### Teach for Pakistan 2019

Teach for Pakistan session was arranged by Internships & Placement Office on February 27, 2019 in NC-08. 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 through their online job applications. Students were very motivated to become part of Teach for Pakistan to bring some positive difference in the lives of those kids who cannot afford quality education.

### AUSAF Recruitment Drive Session 2019

DAILY Ausaf is an URDU newspaper which is being published nationwide with International presence in London and Frankfurt. Ausaf Group is going to launch its TV Channel in Pakistan for current Affairs and youth programme. In this Ausaf Editorial Board conducted campus drive for 7th and 8th semester Media Students showed their presence and interest in the session. Live auditions were taken on March 27, 2019 at Bahria University at MP lab.



### Punjab information Technology Board information Session

**Punjab Information Technology Board** has conducted session about Chief Minister's e-Rozgaar Training Program is an initiative of Punjab Information Technology Board (PITB) and Department of Youth Affairs, Sports, Archeology & Tourism (YASA&T) on May 2, 2019. This program aims to establish 41 e-Rozgaar Centers in all 36 districts of Punjab. One of the major objectives of this project is to provide training opportunities for unemployed youth to become self-employed using internet-based freelancing. In session trainees were guided about training criteria & application procedure.

## Mezan Group Management Trainee

### Interviews

Mezan, a market leader in edible oil industry in Pakistan is launching its Management Trainee Program for Sales Division, duration of which is six (6) months. They conducted on campus interviews on May 8, 2019 for those graduates who have flair, temperament and competence for a successful, engaging and rewarding career in sales. During the session manager has given brief about Mezan Group and its range of products.



### Ufone MT Recruitment Drive:

Ufone is proud to announce the launch of its first ever Management Trainee Program. They came for On Campus Test on May 13, 2019. In first 5 minutes manager Ufone briefed graduating students regarding the MT Programme and benefits. MBA/BBA Marketing students appeared for the test.



## ALBARAKA Bank Recruitment Drive

Al Baraka Bank (Pakistan) Limited organized on-campus Recruitment Drive on May 29, 2019. Approximately 50 positions for "Branch Service Office" position were open. The test was held in main auditorium. Maximum number of graduates from Management Sciences appeared for the written test.



### Bahria University Career Expo – Providing Job opportunities to students

Bahria University Islamabad organized Biannual Career Expo Spring 2019 on April 24, 2019, with aim to bring the job seekers and employers under one roof and to guide candidates on various career paths. Career Expo is an effective way for the organizations to directly interact with prospective candidates and screen candidates more relevant to their needs. It also helps students to experience the job search process for themselves.

Rector Bahria University Vice Admiral (R) Muhammad Shafiq HI (M) inaugurated the event. The Career Expo '19 provided a unique forum to connect employers with candidates from Bahria University Islamabad. The industry representatives as well as human resource experts from top corporate organizations gave an overview of the various industries' update on HR demands, employment requirement and career prospects. The event was arranged with an objective of not only connecting BU

students with employers but also to provide an opportunity for students and alumni to learn about job openings, research companies and to practice their interviewing and networking skills.

Around 100 leading companies of telecom, services, manufacturing, NGOs and banking sector participated at BU Career Expo. Other resources that were available also included career counseling professionals. The event continued for the whole day during which the employers conducted on spot interviews and shortlisted the candidates as per their requirement. The organizations namely National Logistics Cell, Hashoo Group, United Nations, CocaCola Beverages, Hum Media, Telenor and many others participated.

Large number of students and alumni appeared for interviews and explored various career opportunities for themselves. According to BU Policy, the teaching methodology is aligned with industry requirements and BU is focusing on employability of its graduates in industry. In this regard this expo has been organized to achieve strategic goals of BU for the betterment of students.

## Students of Bahria University presented their Engineering Projects

Engineering Students of Bahria University showcased their final year projects at Open House Bahria University. Event showcased some of the brilliant projects from Bahria University. Many of the projects were linked with industry demands and solutions. Students addressed the problems occurring in market to fulfill their needs. Keeping in view high rate of effectiveness, some of the renowned organizations have assigned projects to Bahria University students which were successfully executed and presented in Open House.

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. Pro-Rector, Director General Campus, Registrar, and management of the university were also present. The projects of students were evaluated by the judges from industry for category prizes.

Large number of projects were displayed from diverse 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.

## Internships & Placement Office TESTIMONIALS

### **BILAL ISMAIL** **BSCS Graduate**

I have been a student at Bahria University since spring 2015 session, enrolled in an Under-Graduate Program with majors in Computer Science. Bahria University has honored me with some memorable and exceptional teachers or I would rather say mentors, who apart from grooming us professionally have played part in building a profound moral character. Bahria provided me with an opportunity to continue with my studies at Islamabad campus without any difficulties in the process when my family relocated from Karachi. I have had the opportunity to work as an intern amongst the team of leaders at "Leadership Development Center" at the University Campus.

Now by the grace of Almighty, after successful completion of my degree in Fall 2018 session, I am currently an employee at the Institute Of Aerospace and Avionics Engineering, Air University Islamabad. The department lies under direct supervision of Pakistan Air Force and I am truly grateful for the Bahria University Placement Office. By the help of placement officer my CV got forwarded and I have earned this wonderful opportunity to work amongst the team of professionals on military grade projects.



### **MARIUM AHMED** **BBA (Student 6<sup>th</sup> Semester)**

"I am BBA student. I worked as an intern at the placement office BUIC last year, where I was provided with the platform to learn, grow, and gain an experience, as well as an amazing mentor. I was also given the wonderful opportunity to visit Telenor's Headquarters, where I learned about their culture, what they do, their hiring policies, and how they're working towards empowering Pakistan."



## **MUHAMMAD AWAIS MBA (Finance) Graduate**

My name is Muhammad Awais currently student of MBA (Finance). It was my first visit to any industry which I believe was more than my expectation. Visit to Telenor was amazing experience. Building was a state of art facility with a very elegant working environment. My colleague and I gain a lot of exposure about how telecom industry works and what they expect from newly graduated student and what set of skills they want from us. I would thank placement office for giving me an opportunity to see the insight of an industrial sector that can help me in enlightening my future goals. I also got internship leading to Job opportunity through Placement Office at HIS.



## **ZAINAB KHANUM MBA (Graduate)**

My name is Zainab. I graduated from BUI in July 2018. I completed my MBA degree from Bahria University. During my last semester, I attended the Faysal Bank Limited Campus Drive for recruitment of Management Trainee Officers. This campus drive was organized by placement cell of BUIC and it was a detailed information session which helped me a lot during my assessments, interviews and selection at FBL. It was a great opportunity for me. Since I have joined FBL as a Management Trainee. I have gained the exposure of various banking departments which include Retail Banking Group, HR, Learning & Development, Trade & Business Services, Commercial Banking & SME Group and Corporate & Investment Banking Group and now I am all set to graduate this competitive program and start my fast paced career growth track at FBL. It would not have been possible without the efforts of BUI Placement Cell. I extend my deepest gratitude to BUIC Placement Cell.



Chapter 9

# University Building Communities



Chapter 9

# University Building Communities



# University Building Communities

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.

## BU Community Support Program

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 operates and provides support to students through following three wings:

## The Student Facilitation Centre (SFC)

SFC has been established to facilitate and resolve BU students' 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)

Bahria University gives students loads of opportunities to have fun and to socialize. Whether it is competing in a sport, broadening experience with volunteer work or getting involved in the society.

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

## National Conference on Climate Change by Bahria University, Islamabad.

National Conference on Climate Change has been organized by Bahria University at Islamabad Campus. The conference offered a platform for academicians, researchers, practitioners and students to learn and share knowledge. Minister for State for Climate change, Ms. Zartaj Gul graced the conference as the Chief Guest.

The conference highlighted issues and problems faced by Pakistan due to climate change. It directed the attention of

the government, academia, environmental scientists and the nonprofit community towards this important issue. It was a platform where new ideas and suggestions were put forth regarding climate change.

Ms Zartaj Gul, Minister of State for Climate Change in her remarks, said that Pakistan is among the top 10 countries being negatively affected by Climate Change. Despite the fact that the country contributes less than one percent of the world's greenhouse gases blamed for causing global warming, yet its 200 million population is amongst the world's most vulnerable communities.

She also informed the participants that the government is well aware about the impact of Climate Change and Global Warming. Honorable Prime Minister has already launched a countrywide drive to plant 10 billion trees across the country in five years to counter challenges of global warming and deforestation, the first serious step in this regard. Under this project, The Ministry of Climate Change has planted 2.5 million saplings against the target of 1.5 million across the country in the past 100 days.

Earlier in his address, Honorable Rector of Bahria University, expressed his gratitude to the chief guest for her presence in the ceremony. He said that "Bahria University has Climate Change and Environmental Research Centre to promote research activities by conducting seminars, training workshops and undertaking various projects. This center has been organizing a number of training courses, along with conducting problem oriented research on different aspects of Climate Change. He also added that we are committed to excellence in teaching and research and this conference is a step towards promoting the research culture at the university.

Chief Guest with Rector Bahria University also distributed the shields among the keynote speakers and participants.

### **Bahria University Contributes Rs.2.7 Million for Dam Fund**

Islamabad; Recognizing the national responsibility, the employees of Bahria University contributed one-day salary, amounting to Rs.2.7 million, in Supreme Court of Pakistan Diامر-Bhasha and Mohmand

Dam Fund. The university's administration said that they are pleased to donate to this national cause, which is essential for the survival of people and economy of Pakistan. Construction of dam will go a long way to overcome the acute shortage of irrigation water besides generation of hydropower, which will lead in expansion of economic activities in the country.

Rector Bahria University, Vice Admiral (R) said that the Strategic Plan of Bahria University, prepared in line with the Vision 2025 of HEC, supports fight against socio-economic issues of the country including water crisis and environmental degradation. He further added that dams are the need of hour and should be constructed on war-footings at all possible/feasible locations on the country. Scarcity of Water shall pose one of the most dangerous threats to Pakistan's National Security in years ahead if the issue is not addressed today.

### **Professional Psychology Awareness Week'19**

Senior Lecturer and Clinical In-charge Ms. Naima Fatima Shariff organized the first Professional Psychology Awareness Week at the Institute of Professional Psychology from April 29 - May 3, 2019. The aim of this month was to spread Awareness regarding various branches of psychology along with career options in the field. The week comprised of seminars, camps and workshops and served 600+ individuals. Details of the events held in this week are shared below.

1. An inaugural ceremony titled, Preparing Psychologists for Tomorrow- National Seminar on the Scope of Psychology in Pakistan was conducted on April 29, 2019. The speakers and guests of the seminar included key figures in the field of mental health where the topic of discussion was the scope of psychology in Pakistan along with the need of psychologists to serve the community.
2. As part of World Autism Awareness Month a seminar was conducted on the Awareness, Diagnosis and treatment of Autism on April 30, 2019. This seminar was held in Collaboration with Autism Spectrum Disorder Welfare Trust.
3. A mental health camp for university students providing free assessments and basic counselling was set up at

Umeed e Nau on May 2, 2019. The camp comprised of 4 different stalls and focused on areas of stress management, personality assessment and practicing mindfulness. It provided participants with basic interventions in coping with their problems along with assessments.

4. Students of M.Phil. Organizational Psychology organized a seminar on "Leadership in 21st Century: The Contemporary Practices" on May 2, 2019. It was organized under the supervision of Dr. Tahira Yousuf, Ms. Fareeha Kanwal, Ms. Sidra Shoaib and Ms. Sidra Farooq Butt.
5. As part of the theme of World Mental Health for the year 2019 a guest speaker session was conducted for the post-graduate students on Suicide Prevention on May 3, 2019. The session focused on training participants with emergency measures and crisis interventions to use

with suicidal clients and play their role in spreading awareness to minimize this prevalent issue.

### Mental Health Awareness Camp'18

Senior Lecturer and Clinical In-charge Ms. Naima Fatima Shariff organized the annual Mental Health Camp On November 23rd, 2018 The Camp was held at Bahria University for students, faculty and Staff. The camp got an overwhelming response with 1200+ participants. The theme for the camp was "Bahr e Rawan- The Ocean of Possibilities". The theme signifies that the human potential knows no boundaries and our possibilities are limitless. There were nine separate stalls for assessment of participants. Each stall provided participants with assessment results along with coping interventions to solve their problems. The details of the nine stalls are provided below:

Name of Stall	Faculty Member	Semester
In the Present- Mindful Attention Awareness Stall	Dr. Barerah Siddiqui and Ms. Hadia Sarwat	BS 6
Rang	Ms. Erum Kausar and Ms. Rabia Tabassum	BS 7
Mind Sciences	Dr. Aisha Noorullah and Ms. Saria Rafiq	BS 8
Know Your IQ	Ms. Shabnam Arshi and Ms. Sidra Shoaib	M.Phil Professional Psychology (Eduactional)
Vocational Mapping	Dr. Tahira Yousaf and Ms. Fareeha Kanwal	M.Phil Professional Psychology (Organizational)
Shakhsiyat Ki Pehchaan	Dr. Zainab Bhutto	M.Phil Professional Psychology (Clinical) and MS Clinical Psychology 1 <sup>st</sup> Semester
Mind Games (CBT)	Dr. Kiran Bashir Ahmad	M.Phil Professional Psychology (Clinical) and MS Clinical Psychology 2 <sup>nd</sup> Semester
Once Upon A Childhood	Prof. Dr. Zainab F. Zadeh	MS Clinical Psychology 3 <sup>rd</sup> & 4 <sup>th</sup> Semester
Intellectual Heroes	Prof. Dr. Zainab F. Zadeh	Students of M.Phil Professional Psychology (Educational)

### **Mental Health Camp at Edhi Village**

The summer internees of Institute of Professional Psychology under the supervision of Ms. Naima Fatima Shariff, organized a mental health camp for the residents of Edhi Village. The camp made use of Art therapy and Positive Psychology Interventions to help the residents deal with their psychological traumas and motivated them to lead more fulfilling lives. The event was divided into various activities each providing better coping strategies for the residents.

### **Assessment Camp at Khadija Kazi Ali Memorial High School**

The students of M.Phil. Educational Psychology under the supervision of Ms. Sidra Shoaib organized an Assessment Camp at Khadija Kazi Ali Memorial High School on December 4, 2018. They conducted free of cost emotional and intellectual Assessments for underprivileged children and staff.

### **Self-Awareness Camp for IPP Staff**

The students of MS 4 Clinical Psychology under the supervision of Prof. Dr. Zainab F. Zadeh organized a self-awareness Camp for the Staff of the Institute of Professional Psychology on October 30, 2018. They made use of mandalas for integration and awareness of self.

### **Mental Health Fair at Habib University**

The Participants of our short course, Basic Counselling and Assessment Skills for Emerging Mental Health Practitioners organized a Mental Health Camp for the children of Providence home on September 23, 2018 under the supervision of Ms. Naima Fatima Shariff, Clinical In-charge, Umeed e Nau, IPP. The participants used a combination of play, art and positive psychotherapy to work on the anger issues, self-esteem and emotional issues of the orphaned females residing there.

### **Mental Health Camp at Providence Home**

The Participants of our short course, Basic Counselling and Assessment Skills for Emerging Mental Health Practitioners organized a Mental Health Camp for the children of Providence home on September 23, 2018 under the supervision of Ms. Naima Fatima Shariff, Clinical

In-charge, Umeed e Nau, IPP. The participants used a combination of play, art and positive psychotherapy to work on the anger issues, self-esteem and emotional issues of the orphaned females residing there.

### **Mental Health Camp at Karawan e Hayat**

The students of MS Clinical Psychology under the supervision of Ms. Naima Fatima Shariff participated in the World Mental Health Day celebrations at Karawan e Hayat on October 10, 2018. The conducted personality assessments of the attendees.

### **Visit to Sir Cowasjee Jehangir Institute of Psychiatry, Hyderabad**

The MS and M.Phil Clinical Psychology candidates of The Institute of Professional Psychology, visited Sir Cowasjee Jehangir Institute of Psychiatry, Hyderabad as part of their internship course. This visit provided the students an exposure to an in-patient psychiatric set-up and gave them an opportunity to interact with clients suffering from various intellectual and psychiatric problems. The visit was organized by Dr. Zainab Hussain Bhutto, Head of Department, IPP and Ms. Naima Fatima Shariff, Clinical in-charge, Umeed e Nau.

### **Mental Health Camp at Aawaz Institute of Media Sciences**

The students of M.Phil fourth semester organized a mental health Camp at Aawaz Institute of Media Sciences for students and faculty members on March 16, 2019. Various art therapy activities were done to help participants explore their personality and recognize their strengths. The camp was conducted under the supervision of Prof. Dr. Zainab F. Zadeh, Dean and Director, IPP.

### **Mental Health Camp at Iqra Univeristy School System**

A Mental Health Camp was conducted at Iqra University School System Shahrah-e-Pakistan Campus by 12 Psychologist Trainees of MS 4. The camp included personality assessment and used a combination of various art therapy interventions to help participants in understanding themselves. The camp received great feedback and participants and

administration requested such activities to be carried out on a regular basis.

### **Mental Health Camp at Kohi Goth Hospital**

30 students of MS and MPhil studying the course of CBT put up a Mental Health Camp on 05/04/2019 at Kohi Goth Hospital under the guidance of Dr Kiran Bashir Ahmad. The camp included free counseling for inpatients with fistula and for nurses to help them in coping with work and life issues. Dr. Kiran Bashir Ahmad also conducted two separate sessions for nearly 80 female nurses and midwives for better awareness regarding relevant mental health practices.

### **Mental Health Camp at the Department of Special Education**

The Clinical Psychology students of MS, M.Phil and PhD organized a Mental Health Awareness Camp at the Department of Special Education, University of Karachi. The camp received very positive feedback from the students and faculty of the university.

### **Assessment Camp at PrimeHR Consultancy**

M.Phil Organizational Psychology students of IPP, BUKC organized an assessment camp at Prime HR consultancy under the supervision of Ms. Fareeha Kanwal. Personalities of their employees were assessed and their stress levels and coping mechanisms were gauged. The camp was a great success as employees found it to be very effective and engaging.

### **Model United Nations of the Institute of Professional Psychology (MUNIPP 2018)**

The Institute of professional Psychology organized its first MUN in December 2018. The three-day conference from December 14-16, 2018 was attended by 200 participants from various schools, colleges and universities across Karachi and provided participants a platform to learn the art of diplomacy and public speaking. The conference comprised of 7 committees all focusing on various global issues. The three-day event comprised of an opening ceremony, committee sessions, socials and the closing ceremony.

### **Second Position at the Inter University Performing Arts Competition**

The students of Institute of Professional Psychology secured second position at the Inter University Performing Arts Competition held at Punjab University, Lahore and Ms. Shanzeh Babar also won the award for best direction. The competition was a part of the 3 Day International Conference of Applied Psychology; Practices and Interventions. The play was directed under the supervision of Ms. Naima Fatima Shariff, Clinical In-charge and Senior Lecturer, IPP.

### **Cultural Day Celebrations 2019**

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 highlighted by the native dresses worn by the Bahrians conveying Quaid's message of unity and brotherhood. The ceremony began at 11:30 am. Compering and announcements were organized by debate and literary club. 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 exhibited the handicrafts from all over the country.

Different cuisines were on display that tickled the taste buds of the attendees. The entire ceremony 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 is what makes it unique. Behind the success of this event were efforts of faculty, students and staff of BUMDC, who worked day in and day out. The castles in the sky were setup by the 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, that future doctors would cherish for rest of their lives.



### Beach Cleanup Drive-2019

On Saturday April 27, 2019, members of Green-it Bahria collaborated with WWF to conduct a cleanup drive at Turtle beach, sponsored by Coca Cola, with the aim to make the environment healthier, cleaner, and safer for the community and promote awareness amongst all.

Two hundred participants consisting of students and faculty members gathered at BUMDC at exactly 8:00 AM from where they left for Turtle beach. On arrival, an introductory seminar was given by a Coca Cola representative



about the importance of the day's activity after which the cleanup began.

All members with utmost dedication and contribution participated in the cleanup, which involved picking up litter and waste products along the coastline. Shirts and caps provided by WWF divided the participants into 4 groups to cover a larger area more efficiently covering up to 2 kilometers. Paper, plastic, aluminum and miscellaneous objects were collected in separate trash bags for recycling purposes.

Mangrove trees are significant not only ecologically but also for the economy of Pakistan. Knowing this all participants of Green~it Bahria planted around 100 Mangrove saplings hoping to maintain the protective function, values and biodiversity of the mangrove forest.

Other activities included motor boating, beach games, trekking and swimming with the objective to make all participants enjoy and realize the importance of a clean environment. What they enjoy today should also be enjoyed by future generation and in the years to come. Pakistan Zindabad!

### BDS 2nd Year Community Trip at FG Public Secondary School, PNS Rahbar, Manora Island

Department of Community and Preventive Dentistry, BUMDC, organized its oral health outreach program under the supervision of Dr. Kulsoom Fatima Rizvi, Head of Department of Community and Preventive Dentistry and Vice

Principal Dental Section, BUMDC. The CSP team comprising of Senior Faculty members, 2nd year BDS students, House officers and Dental Assistants visited FG Public Secondary School located at PNS Rahbar, Manora Island. The program was facilitated by the Naval Officers of PNS Rahbar. The session was divided into two parts. Session one consisted of lecture on oral health education followed by demonstration of tooth brushing method. The second session included dental checkup of all the students. Special emphasis was given to guide the parents about their child's oral hygiene and healthy eating habits.

### **Bahria University Medical & Dental College Arranges a Dental Camp at Manora Island**

On December 8, 2018, a team of Dental Surgeons and faculty of BUMDC visited Manora Island PNS Rahbar under the umbrella of Community support program to conduct a Free Dental Camp for the residents of the Manora Island at PNS Rahbar. The dental team were supervised by Dr. Kulsoom Fatima Rizvi, Vice Principal and Head of Community Support Program (CSP) at PNS Rahbar. Children visiting the camp were guided about proper brushing techniques on dental models. Patients requiring minimal procedures and emergency treatments such as acute gingivitis, emergency chamber opening (ECO), simple extractions and fillings were dealt on spot at the clinical station setup.



### **CSP Team BUMDC Invited for free Dental Consultancy at Beacon House School**

On January 19, 2018, the Department of Preventive and Community Dentistry of Bahria University Medical and Dental College was invited to participate in "Open day" activity at Beacon House School (BHS) System at North Nazimabad (primary Section).

The aim of the activity was to provide free dental check-up to children & oral hygiene consultation to parents and children.

The CSP team was supervised by Dr. Kulsoom Fatima (H.O.D) and comprised of Dr. Raima Bashir (Senior Lecturer), Dr. Marvi, Dr. Anum Malik, Dr. Maria Shah, Dr. Umaima Shahid, Dr. Sumaira Sheikh and Dr. Kanza Urooj (House Officers).

A Dental Clinic Corner was setup, where free oral examination was performed for each visiting child and oral health consultancy was provided to parents regarding their children's dental issues. The event was highly appreciated by parents, children and school teachers alike.



### **Oral Health Awareness Session at Govt. Boys' Secondary School, Chanaser 1**

On February 28, 2019, the CSP team of BUMDC, under the leadership of Dr. Kulsoom Fatima Rizvi (Vice-Principal & Head of Community Dentistry Department) carried out an Oral Health awareness session at Govt. Boys' Secondary School Chanaser 1.

The CSP team supervised by Dr. Raima Bashir (Senior Lecturer of Community Dentistry Department) and accompanied by Dr. Anum Malik, Dr. Marvi, Dr. Muneeba, Dr. Mariam Khalid and Dr. Abdul Razzak (House Officers).

All the students were gathered in an assembly hall where Oral Health & Hygiene awareness session was delivered to students and the school faculty. The lecture comprised of a PowerPoint presentation regarding common oral diseases, its etiological & risk factors, disease process and preventive measures. Oral hygiene practices such as meticulous tooth brushing techniques were also demonstrated on models for the audience.

After the interactive session, oral examination was performed for each child. Oral hygiene kits were distributed to the children at the end of the program.

Celebration of World's Oral Health Day at Behbood Secondary School, Railway Colony; Karachi.

World Oral Health Day is a far-reaching global oral health campaign. On March 27, 2019, Department of Community and Preventive Dentistry, BUMDC, organized "World Oral Health Day" program under the supervision of Dr. Kulsoom Fatima Rizvi, Head of Department of Community and Preventive Dentistry and Vice Principal Dental Section, BUMDC. The team comprised of Senior Lecturers from Department of Community Dentistry, 2nd year BDS students, House officers and Dental Assistants visited Behbood Secondary School. The program was facilitated by the School Principal and its administration.

The aim of the program was to educate school children on the maintenance of their oral hygiene through proper tooth-brushing and healthy dietary practices. The session was divided into two parts. Session one consisted of lecture on oral health education followed by demonstration of tooth brushing method, delivered by Senior Lecturers of Dept. of Community Dentistry, Dr. Raima Bashir and Dr. Sidra Farooqui. The second session included dental checkup of all the students examined by 2nd year BDS supervised by Dr. Isra Ahmad (Senior Lect), Dr. Ambreen Azaad and Dr. Faiza Shafique (house-officers).

### **BDS 2ND Year Community Trip at FG Public Secondary School, PNS RAHBAR, Manora Island**

On August 29, 2018, Department of Community and Preventive Dentistry, BUMDC, organized its oral health outreach program under the supervision of Dr. Kulsoom Fatima Rizvi, Head of Department of Community and Preventive Dentistry and Vice Principal Dental Section, BUMDC. The CSP team comprising of





Senior Faculty members, Senior Lecturers from Dept. of Community Dentistry, 2nd year BDS students, House officers and Dental Assistants visited FG Public Secondary School located at PNS Rahbar, Manora Island. The program was facilitated by the Naval Officers of PNS Rahbar.

The aim of the CSP program was to educate the school children of FG Public Secondary School about the importance of oral health and maintenance of their oral hygiene through proper tooth brushing and following healthy dietary practices. Overall 400 students from primary and secondary section aged between 4-15 years, were addressed.

Dr. Raima Bashir and Dr. Sidra Farooqi facilitated the Oral Health education Session. Dental Checkup of all the students were performed by 2nd year BDS assisted by Dr. Mahnoor Ansari, Dr. Farwa Aftab, Dr.Qira Zia and Dr. Kulsoom Zahir (house-officers). Moreover, teachers were also asked to motivate students to bring healthy snacks from home during lunch hours. The session concluded with distribution of oral hygiene kits, sponsored by Colgate among the students.

**Bahria University Medical and Dental College arranges Camp at MANORA Island**

On December 8, 2018, a team of Dental Surgeons and faculty of Bahria University Dental College, visited Manora Island PNS Rahbar under the umbrella of Community support program to conduct a Free Dental Camp for the residents of Manora Island at PNS Rahbar.

The dental team comprising of 38 personnel chaired by Dr. Kulsoom Fatima Rizvi, Vice Principal Bahria Dental College and Head of Community Support Program (CSP) and Department of Preventive and Community Dentistry arrived at PNS Rahbar at 9.00am.

Oral Hygiene instructions and significance of good oral hygiene were provided to each patient. Children visiting the camp were especially instructed about proper brushing techniques on dental models. Patients requiring minimal procedures and emergency treatments such as acute gingivitis, emergency chamber opening (ECO), simple extractions and fillings were dealt on spot at the clinical station setup at PNS Himaliya with the facility of a dental unit. The statistics showed a turn-up frequency of 48% children, 22% females and 30% males aged between 2yrs-70 years.



## COMMUNITY SUPPORT PROGRAM OF 2019

### CSP Team of BUMDC invited for Free Dental Consultancy at Beacon House School

On January 19, 2019, the Department of Preventive and Community Dentistry of Bahria University Medical and Dental College was invited to participate in "Open day" activity at Beacon House School (BHS) System at North Nazimabad (primary Section).

The aim of the activity was to provide dental checkup to children & oral hygiene consultation to parents and children regarding Oral diseases & good oral health.

The CSP team was supervised by Dr. Kulsoom Fatima (H.O.D) and comprised of Dr. Raima Bashir (Senior Lecturer), Dr. Marvi, Dr. Anum Malik, Dr. Maria Shah, Dr. Umaima Shahid, Dr. Sumaira Sheikh and Dr. Kanza Urooj (House Officers).

Open day was a fun filled activity for parents and children in which a Dental Clinic Corner was setup, where free oral examination was performed for each visiting child. Oral health consultancy was provided to parents of 120 children aged 2 to 12 years regarding their children's dental issues. Parents showed keen interest in dental clinic corner and were pleased with the venture, they appreciated the Dental Team of BUMDC and also BHS school administration on arranging first ever Dental Consultancy corner at their open day event.



The School Principal greatly acknowledged the team with tokens of gratitude for accepting their invitation. She highly appreciated the efforts of Dentists rendered to increase the oral health awareness among their students, staff and parents. It was a good learning experience at both ends.



### ORAL HEALTH AWARENESS SESSION AT GOVT. BOYS' SECONDARY SCHOOL, CHANASER 1 BY BUMDC

On February 28, 2019, the CSP (Community Support Program) team of BUMDC, under the effectual leadership of Dr. Kulsoom Fatima Rizvi (Vice-Principal & Head of Community Dentistry Department) carried out an Oral Health awareness session at Govt. Boys' Secondary School Chanaser 1.

The CSP team supervised by Dr. Raima Bashir (Senior Lecturer of Community Dentistry Department) and accompanied by Dr. Anum Malik, Dr. Marvi, Dr. Muneeba, Dr. Mariam Khalid and Dr. Abdul Razzak (House Officers) arrived at the school at 9.00am. The school was small but neat with strength of 120 pupil aged between 5-12 years corresponding to grade 1-5.

The lecture comprised of a PowerPoint presentation of common oral diseases, its etiological & risk factors, disease process and preventive measures. The students interacted attentively and showed great interest by responding well during the session. Oral hygiene practices such as meticulous tooth brushing techniques were also demonstrated on models for the audience.

After the interactive session, oral examination was performed for each child. Those students who required urgent treatment were referred to BUMDC Dental Hospital for the management of their ailments. Oral hygiene kits were distributed to the children at the end of the program. The School Headmaster and staff members were very pleased with the Oral Health activity at their school and had their queries and problems addressed.

### **Celebration of World's Oral Health Day at Behbood Secondary School, Railway colony; Karachi.**

On March 27, 2019, Department of Community and Preventive Dentistry, BUMDC, organized "World Oral Health Day" program under the supervision of Dr. Kulsoom Fatima Rizvi, Head of Department of Community and Preventive Dentistry and Vice Principal Dental Section, BUMDC. The team comprised of Senior Lecturers from Dept. of Community Dentistry, 2nd year BDS students, House officers and Dental Assistants visited Behbood Secondary School located at Railway Colony Karachi. The program was facilitated by the School Principal and its administration.

Oral hygiene practices should be integrated at an early age so that children are able to have control on habits that depreciate their oral health.

The program received a good response from both children and school teachers. School Principal, Mrs. Seema Baki visited the school during the session and praised the efforts of the



dental CSP team. She valued the efforts of CSP team in bringing about oral health awareness among young children and accentuated that such education sessions and dental camps be organized frequently so that we can exterminate oral diseases among the young populace of Pakistan.

### **Accomplishments of World's Oral Health Day Celebration 2019 at Bahria Dental College.**

"Take care of your oral health to protect your mouth and body. Learn and act!!!"

Dr. Kulsoom Fatima Rizvi, Vice Principal Dental Sections, and Head of Department of Preventive and Community Dentistry at Bahria University Medical and Dental College was invited as a Guest Speaker for the event to share her perspectives. She further highlighted the different dental conditions prevailing amongst different age groups of our population and stressed special emphasis on ways of preventing it by individual efforts. At the end of the session Dr. Kulsoom Fatima Rizvi was presented with a memoire souvenir to honor her presence and valuable contribution at the seminar.

A second session for WOHD was organized by Baqai Dental College on March 27, 2019. Dr. Kulsoom Fatima Rizvi, Vice principal Dental Sections, and Head of Department of Preventive and Community Dentistry at Bahria University Medical and Dental College was invited as a Guest Speaker to share her knowledge and experience with the audience. The seminar deliberation was on the theme: "Say Ahh: Act on Mouth Health". Dr. Kulsoom Fatima Rizvi presented a Lecture on the topic of "Public Health solutions for Oral Health". She provided an insight about Dental public Health and highlighted the role of public health sector in preventing oral ailments and in improving the quality of life of people. The seminar concluded with honoring of each speaker with distribution of souvenirs by Mrs. Shehla Baqai the founder of Baqai University in Pakistan.

Lastly, a field trip was organized by Department of Community and Preventive Dentistry, under the supervision of Dr. Kulsoom Fatima Rizvi. The team comprised of Senior Lecturers from Dept. of Community Dentistry, 2nd year BDS students, House officers and

Dental Assistants visited Behbood Secondary School located at Railway Colony Karachi. The aim of the program was to educate school children of Behbood Secondary School on the prominence of oral health and maintenance of their oral hygiene through proper tooth-brushing and healthy dietary practices. Overall 120 students from KG to grade V aged between 4-12 years were catered.

## **Beach Cleaning & Tree Plantation**

### **Campaign – 18**

The Prime Minister CLEAN and GREEN Pakistan Movement, Bahria University Karachi Campus as part of Student Support Centre - SSC, Community Support Program - CSP & Student Resource Center - SRC participated in Beach Cleaning and Tree Plantation Campaign - PN Maritime Awareness Campaign Plan 2018, at Nishan e Pakistan. This activity was organized by PNS Bahadur. Bahria University Karachi Campus, Maritime sector and environmental sciences students took part enthusiastically in a Beach Cleaning activity. More than 100 Students participated in Beach Cleaning drive and plantation. Governor Sindh Mr. Imran Ismail was Chief Guest at the event. The Beach Cleaning and tree plantation campaign was arranged to give awareness to students and people about Maritime and sea pollution.

### **Plantation Activity 2018**

In continuation of Clean and Green Pakistan Movement launched by Prime Minister of Pakistan for the betterment of our country's environment and climate change effects, Director General BUKC Arshad Mehmood Khan SI (M) planted a tree in front of the Quaid Block, greenery area. Bahria University Karachi Campus is aggressively working on this movement and has planned activities on monthly basis to generate awareness in the young generation.

### **Breast Cancer Awareness Session'18**

Breast Cancer is the most common cancer in women around the world, unfortunately, Pakistan has the highest ratio of breast cancer in Asia. Bahria University Karachi Campus, Student Support Centre organized Breast Cancer Awareness Session in collaboration with Shaukat Khanum at Fatima Jinnah Hall – BUKC. The session was attended by female faculty and students. Dr. Rabab Zehra disseminated information regarding free diagnostic center.

## **Akhuwat Foundation - CSP'18**

Bahria University Community Support Program - CSP arranged an activity in collaboration with Akhuwat Foundation. To develop and sustain a social system based on mutual support. Students of Bahria University from Management Science department generated funds for the education of underprivileged students studying in NJV School which has been adopted by Akhuwat Foundation. Students arranged a futsal Tournament in the futsal ground of NJV Govt School and college between top best futsal teams of Karachi and made this event a success.

## **Community Support Program Orientation**

### **Session Fall 2018**

Team BUCSP along with its mentor organized an orientation session for students of 1st semester of Management Science. All the students gathered in a Al-Beruni Auditorium where Management Sciences CSP team provided awareness to students about CSP and enlightened the importance of CSP program. The aim of this Orientation session was to encourage BU students to get involved with CSP and contribute in the betterment of society as a student.

## **Blood Donation Drive**

Bahria University Karachi Campus, Student Support Centre organized a Blood Donation Drive at Iqbal Block ground floor - BUKC. The activity was conducted by Patient Welfare Association. Several male students and faculty members participated in the cause. PWA blood bank is one of the largest single outlet voluntary blood bank in Pakistan. To overcome the constant need PWA arranged several blood drives in universities and public places and Bahria University Karachi Campus is proud to be a part of the said cause.

## **Society for the Rehabilitation of Special**

### **Children SSC Visit'18**

Bahria University Karachi Campus Assistant Director Student Support Center with the staff visited The Society for the Rehabilitation of the Special Children located near Mazar-e-Quaid. The main purpose of the visit was to know the working and services of the organization

and to explore Community Support Service opportunities for the graduating students of all disciplines at Bahria University Karachi. The Rehabilitation Center provides special education and services like Dental checkups, Orthopedic checkup to special children, Vocational training like (khaddi, block printing, papermaking, weaving, and needlework). The president of Society for Rehabilitation of the Special Children Ms. Talat Hashmi showed greater interest in engaging Bahria University's students at the center and has offered our students CSP Activity from September 12, 2018 at her center.

### **Darul Sakoon Visit - CSP'18**

Dar Ul Sukun is an institute of physically and mentally ill persons. They keep them with love and keep good care just like parents. There are people of all age but mostly are young and infants who are disabled by birth. The institute has a great system to keep the patients busy, healthy and active. Each staff has particular duty all the days which are specially scheduled for them. They provide all the facilities and give them good services. Volunteers teams from the University visited the institute and rendered help in terms of finances and human resource.

### **CSP ACTIVITY HELD AT IDARA AL KHAIR – 19**

Community Support Program conducted an activity for Software Engineering and Management Sciences Department. It was 4 days activity. there were 62 students in total who participated in various activities including teaching, played games with the children and provided health and hygiene awareness.

### **ACTIVITY HELD AT NAFEEES AKHTAR PUBLIC SCHOOL-19**

Student Support Centre in collaboration with Computer Science organized a CSP activity at Nafees Akhtar Public School. The main objective of this activity was to give awareness to the students and learn about the different issues faced by the school administration in running the school in slums as well as the issues faced by the people living in those areas. The students were assigned different tasks and performed different academic, intellectual, social and awareness activities and tasks with the students of the school.

### **CSP ACTIVITY HELD AT DAR- UL-SUKOON-19**

Student Support Centre in collaboration with Computer Engineering organized a CSP activity at Dar- ul- Sukoon. The main objective of this activity to awaken awareness in a society about disability and the importance of its acceptance.

### **AGA KHAN CANCER AWARENESS SESSION AND DONATION DRIVE IN BUKC-19**

An Awareness Session regarding Cancer Treatments was conducted at Al-Beruni Auditorium, Bahria University Karachi Campus. Under the umbrella of Pediatric Welfare Program, Aga Khan University's team delivered an awareness session to develop the sense of civic responsibility in students who would indicate positive effects involving philanthropy. The focal person of AKUH, Mr. Peter Lobo briefed audience about Pediatric Welfare Program.

### **BEACH CLEANING ACTIVITY-19**

Community Support Program BUKC held a beach cleaning project at Clifton Beach, Karachi. It was a glorious project which received a good response from all participants. The objectives of this project were to beautify the beach and to make it as tourist attraction.

### **Earth Day (Nafees Akhtar Public School) – 2019**

Community Support Program-Bahria University (CSP-BUKC) organized World Earth Day in support of the environmental protection and extracurricular activities for the children of Nafees Akhtar Public School, for the year 2019. Event was successful, School management was also satisfied with the CSP team's performance and encourages the similar activities in future.

### **EIDI distribution in BUKC lower staff & their children – 2019**

Director General of the Campus Rear Admiral Mukhtar Khan HI (M) distributed Eid Gifts to deserving employees (1-5 scale) of Bahria University along with gifts for their children.

### **IFTAAR Drive in BUKC – 2019**

Ramadan is a month of forgiveness and blessings. Each year, a group of individuals participate in many charitable causes especially in iftaar drives where they distribute food amongst the needy community. Students of BUKC gave iftaar party to the lower admin staff of BUKC in university.

### **Iftaar Drive In Disabled Welfare**

#### **Association – 2019**

Bahria University Karachi Campus, Community Support Program was organized at Disable Welfare Association (Saddar Branch located in Karachi) and encourage students to learn about the disabled people life, their problems and solutions. Initially the students were briefed about the working of the DWA and their activities (especially HANDS ILC Project) by DWA CEO and other senior executives.

### **Thalassemia Screening and Awareness**

#### **Seminar at Karachi Chamber of Commerce**

##### **- 2019**

Karachi Chamber of Commerce and Industry (KCCI) in collaboration with Help International Welfare Trust organized "Thalassemia Screening and an Awareness Seminar" at Karachi Chamber of Commerce auditorium. It was followed by a Theatre show on Thalassemia presented by HIWT. Students of Bahria University also participated in the activity.

### **CSP activity at Nafees Akhtar Public**

#### **School – 2019**

Community Support Program (SSC) conducted an activity for Management Sciences and Electrical Engineering Students at Nafees Akhtar public School. The main objective of this activity was to generate awareness in students. The students were assigned different tasks and performed different academic, intellectual, social and awareness activities.

### **CSP activity at Dar ul Sukoon - 2019**

Community Support Program (SSC) conducted an activity for Electrical Engineering students at Dar-ul-Sukoon. The main objective of this activity was to raise awareness in the

society about disability and the importance of its acceptance.

### **Pink Ribbon activity held at Bahria**

#### **University - 2019**

Community support program at Bahria University, Karachi Campus organized an event for breast cancer awareness named as Pink Ribbon Youth Program. Purpose of this activity was to spread breast cancer awareness amongst our youth and reduce the stigma of breast cancer by giving education about the symptoms and treatment of the deadly disease. It was also a source of fundraising for the breast cancer hospital. Theme of the event was "Pink", as Pink Ribbon is an International symbol for breast cancer awareness. BUKC students also decorated main foyer "Quaid Block" for Pink Ribbon Event with pink and white balloons and conducted CSP activities including Indoor Games, Mehndi Stall, Face Painting stall, Photo booth, Selfiee and props stalls, donation were collected and contributed to the breast cancer hospital.

### **CSP Plantation activity – 2019**

Community Service Program conducted a plantation activity. The purpose of the event was to create awareness for the importance of plants and trees in our day-to-day lives. The main motive of the activity was achieved by planting trees across Bahria University. Furthermore, the university foyer was heavily embellished with green floral decorations in order to celebrate the activity. Different activities were a part of this event such as games stalls and an awe-inspiring photo booth stall which had everyone luring around it, to get photographed. Different groups made detailed and beautiful 3D models which represented aspect of the benefits, and consequences of cutting trees.

### **Thalassemia awareness session held at**

#### **Al- Beruni Auditorium Bahria University –**

##### **2019**

Community Support Program, Bahria University organized an awareness session on Thalassemia at Fatima Jinnah Hall. Mr. Muhammad Iqbal Chairman of Kashif Iqbal Thalassemia Care Trust was the speaker of

the session. Students of all the departments took part in this seminar and learned about thalassemia and its spread. On blood donation drive camp chairman of thalassemia care trust center Mr. Muhammad Iqbal said most thalassemia major patients require transfusions every 2-4 weeks, depending on the individual's consumption of the infused cells. A blood drive camp was also conducted where students donated blood and got their screening tests done.

### BU Alumni Homecoming 2018

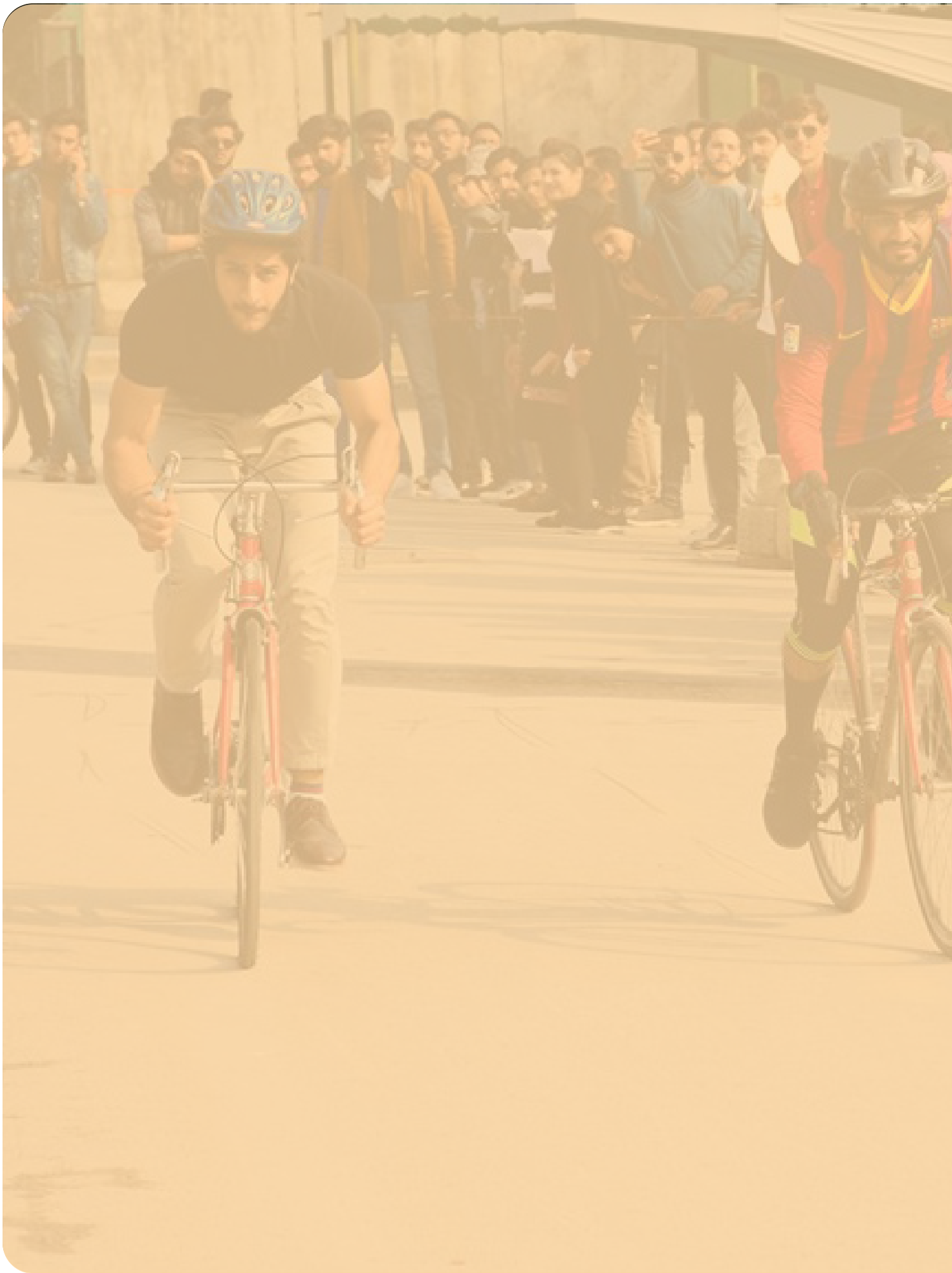
Student Affairs Directorate Bahria University organized the Alumni Homecoming'18. In this annual activity, Alumni from 1998 to 2017 batches were present for this dinner. Honorable Rector Bahria University Vice Admiral (Retd) Muhammad Shafiq HI(M) welcomed the Alumni.

Honorable Pro-Rector Rear Admiral (Retd) Nasir Mehmood HI(M) also shared note of thanks with the guests and also presented recognition shields to 4th Alumni Executive Committee. This is an initiative taken by the management to recognize and celebrate the achievements of Alumni who have brought honor to their institute. Event sponsor 5G properties presented a shield to Rector as an honorarium. The event ended with a group photo of all the participants.

### Iftar Cum Dinner for Support Staff

As a good will gesture, BUAA organized an iftar dinner for all the supporting staff on May 30, 2019 at Islamabad Campus. All funding was arranged by BUAA team and the gesture was appreciated by the university management.









Chapter 10  
**Sports**



Chapter 10

# Sports



## Sports

Sports are an important part of every society. Holistic development of a student is possible only when he is physically fit and emotionally balanced and this is achieved through sports. Bahria University encourages sporting activities and is striving to promote the physical and mental well-being of students.

### SPORTS ACHIEVEMENTS

#### **Bahria University wins 6<sup>th</sup> time in HEC Intervarsity Zonal Basketball Championship**

Bahria University (BU) won the HEC Inter University Basketball Men Championship (Zone C) 2019, held at COMSATS University Islamabad. There were 13 universities from Islamabad/Rawalpindi region which participated in the event. Throughout the event all teams showed tremendous sportsman's spirit and professionalism.

Bahria University and the host university qualified for the final, where Team Bahria defeated COMSATS with the score of 49-

31. This is the sixth consecutive time that BU has emerged as the champions in HEC Inter University Championship of Zone C. The team has accordingly qualified for All Pakistan HEC Basketball Championship at the national level. University appreciated the spirit and hard work of students.

Sports is an integral part of the extracurricular activities at Bahria University. The sports department at the varsity is providing state of the art facilities to its students along with a fully equipped gym associated with name of squash legend Jahangir Khan. Bahria University have actively participates in cricket, hockey, basketball, volleyball, football, table tennis and other indoor games both for male and female students.

#### **Sports activities at BU campuses/CU**

1. Departments/ interdepartmental activities.
2. Friendly matches with other universities/ clubs
3. Participation in sports events organized by other universities.
4. Events planned/ organized in Student week
5. To commemorate special occasions;

national days, HEC instructions, etc

### HEC ZONE 'C' SPORTS EVENTS

S.No	Tournament Title / Sports Title	Date	Location	Remarks
1	HEC Intervarsity Zone C Table Tennis Male Championship	26 to 28 Nov 18	UET Taxila	Participated
2	HEC Intervarsity Zone C Badminton Male Championship	11 to 13 Dec 18	UET Taxila	Participated
3	HEC Intervarsity Zone C Hockey Male Championship	20 to 22 Dec 18	FAST	2 <sup>nd</sup> position
4	HEC Intervarsity Zone C Football Male Championship	26 to 28 Dec 18	PEAS University	Participated
5	HEC Intervarsity Zone C Cricket Male Championship	17 to 20 Dec 18	COMSATS	Participated
6	HEC Intervarsity Zone C Volleyball Male Championship	01 to 03 Feb 19	UET Taxila	Participated
7	HEC Intervarsity Zone C Basketball Male Championship	09 to 12 Mar 19	COMSATS	1 <sup>st</sup> Position

### HEC ALL PAKISTAN LEVEL SPORTS EVENTS

S.No	Tournament Title / Sports Title	Date	Location	Remarks
1	All Pakistan HEC Intervarsity Hockey Male Championship	24 to 26 Dec 18	University of Karachi	Participated
2	All Pakistan HEC Intervarsity Badminton Female Championship	02 to 04 Feb 19	Benazir Bhutto University Peshawar	Participated
3	All Pakistan HEC Intervarsity Basketball Male Championship	06 to 09 Apr 19	GCU	Participated
4	All Pakistan HEC Intervarsity Volleyball Female Championship	01 to 04 May 19	Fatima Jinnah University	Participated
5	All Pakistan HEC Intervarsity Chess Female Championship	29 to 31 Jan 19	University of Karachi	Participated
6	All Pakistan HEC Intervarsity Baseball Female Championship	29 to 31 Jan 19	University Karachi	Participated

### SPORTS EVENTS AT BU CAMPUSES/ CUs

#### BU Karachi Campus

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

Month	Sports events/activities	Venue	Result / Remarks
Dec 18	Conducted sports week from 10 to 14 Dec 18 (basketball, Tug of war, volleyball, table tennis, throw ball, chess, futsal, cricket and badminton)	BUKC	Maximum students participated in sports week
Jan 19	Played in local cricket event (Khelokricket Master Oil T-10 inter university tournament), 16 Universities participated in the event	Hill Park Ground	qualified for the semifinal
Feb 19	Participated in local cricket event (Khelo Cricket Master Oil T-10 inter university tournament 2019), 16 Universities participated in the event.	Hill part ground	got 1 <sup>st</sup> position & Rs.100,000/- cash prize

Month	Sports events/activities	Venue	Result / Remarks
Feb 19	Participated in NUST- PNEC sports Olympiad 2019 for Boys / girls (21-24Feb), 32 universities participated	NUST- PNEC	Volleyball (boys) 2 <sup>nd</sup> position Table Tennis doubles (girls) 2 <sup>nd</sup> position Basketball (boys) qualify for semifinal Futsal (boys) qualify for semifinal
Feb 19	Organized 4 <sup>th</sup> Bahria Interuniversity T-20 Cricket (20 Feb to 3 Mar), 8 universities participated	Bahria College / IBA Karachi	BUKC qualified for semifinal
Mar 19	Participated in ZAB Olympics – 2019 from 1 to 3 March 2019, 22 universities participated in the event.	SZABIST University	BUKC qualified for the Semi Final
Mar 19	Participated in Spring Sports Festival 2019 from 18 to 21 March 2019, 28 universities participated.	Barrett Hodgson University	BUKC got 3 <sup>rd</sup> position
Mar 19	Conducted departmental sports week from 19 to 22 March 2019 for Management science, Maritime Science, Humanities & Social Science	BUKC	Maximum students participated in sports week
Mar 19	Conducted departmental sports week 22 to 28 March 2019 for Electrical Engineering, Software Engineering and computer engineering	BUKC	Maximum students participated in sports week
April 19	Participated in Pakistan University Cup 19 (Cricket)	Global Industries Intelligence	BUKC won the tournament.
April 19	Organized departmental sports week: CS and IT departments (10 to 16 Apr 19) E&ES, Media studies and IPP (16 to 19 Apr 19).	BUKC	CS and Media studies teams are winners
April 19	Conducted interdepartmental Sports (23-30 Apr 19)	BUKC	Management Sciences is winner

### BU Islamabad Campus

BUIIC organized following inter departmental / Open university championships.

Month	Sports events/activities	Venue	Result / Remarks
Nov 18	Played friendly matches of basketball, table tennis (men) with Dragon club, Ibd.		BU won the matches
Dec 18	Sports activities (cricket, futsal, badminton, table tennis, volleyball, basketball, tug of war) organized in student week	BUIIC gymnasium	Maximum students participated in sports week
Jan 19	Played friendly basketball and volleyball and cricket championships	"	"
Feb 19	Played friendly basketball matches (for zone-C championship preparation)	"	"

Month	Sports events/activities	Venue	Result / Remarks
April 19	Played friendly match badminton (male with COMSATS	..	BUIC team won the match
April 19	Played friendly matches volleyball (female) with COMSATS, NUST and FAST	..	BUIC teams won all the matches

### BU Lahore Campus

BULC organized following inter departmental / Open university championships.

Month	Sports events/activities	Venue	Result / Remarks
Nov 18	Sports activities held in student's sports week. Games includes; cricket, futsal, badminton, table tennis, tug of war, chess.	BULC	04 teams comprising of 90 to 100 students from MS & CS students, participated
Mar 19	Conducted interdepartmental Friendly Matches from 14 to 15 March 2019 between MS and CS department.	BULC	4 teams comprising of 30 to 40 students from MS and CS departments participated.

### BUM&DC

BUM&DC participated in DOW University sports competition:

Month	Sports events/activities	Venue	Result / Remarks
Jan 19	Held Interdepartmental badminton tournament 2019	BUM &DC	Medial college won against dental college
Feb 19	Participated in PNEC- NUST sports Olympiad tournament in cricket, chess, badminton and table tennis	PNEC- NUST	PNEC-NUST won Cricket and Badminton tournaments
April 19	Conducted interdepartmental chess tournament (18 to 25 April 19)	BUM &DC	Dental college won against Medical College

### First ever Inter-Departmental Badminton Tournament of badminton 2019 BUMDC

On Monday January 28, 2019 Bahria University Medical and Dental College (BUMDC) held a successful Inter-Departmental Badminton Tournament under the supervision of its Sports Club. The students were enthralled by the super exciting performances presented by the players in various categories of Boys' Singles, Girls' Singles, Boys' Doubles, Girls' Doubles and Mixed Doubles.

Dean Prof Dr. Asadullah Khan, Principal, Dental Prof Dr. Wabad Kadri and Vice Principal Dr. Ambreen Usmani, along with faculty members inaugurated the event .

All the students of MBBS, BDS, MLT and DPT participated in all classes of tournaments. It was a three-day tournament held from Jan 28-30, 2019.



In the Girls' Singles Leeza Tarrar brilliantly won the title. In Girls' Doubles Tooba Javaid and Leeza Tarrar emerged victorious. In Boys' Singles and Doubles Bilal Arshad and the pair of Faraz Shaikh and Tayab Shaikh won the title. Mixed doubles title was owned by Bilal Arshad and Iqra Ayaz.

At the end the shields and certificates were distributed by Prof. Khalida Nasreen, Prof. Nasim Kareem and Vice Principal Khalid Aziz among all winners in Ibn-e-Sina Auditorium.



### GAMBIT 2019 Chess Tournament

Bahria University Medical and Dental College GAMBIT 2019 Chess Tournament was held in the Reading Room of Bahria University Medical and Dental College from April 19-26, 2019, under the supervision of Dr. Lalarukh Munir and Dr. Shizma Junejo. Among 40 students, 20 were selected for the double elimination tournament bracket. They entered the loser's bracket and played against each other but if they lost while in the loser's bracket the player was finally eliminated from the tournament. Each winner played against each other in the next round, until the final match-up, whose winner became the tournament champion. The finalists were selected in this manner and they were: 1st Position: Muhammad Usman (Final Year MBBS) 2nd Position: Syed Ali Abbas (2nd Year MBBS) 3rd Position: Iqra Ayaz (4th Year MBBS). The prize distribution ceremony was held on May 6, 2019 in the Reading Room of the college. The event was organized under the supervision of Professor Dr. Hassan Ali (Program Officer / HOD Biochemistry), Dr. Afsheen Nazar (Assistant Program Officer) and Dr. Saifullah Sheikh (*Focal person sports club*).

### **PNEC Nust Sports Olympiad Tournament**

The students of BUMDC participated in PNEC NUST tournament, which was held on February 21-24, 2019. The students participated in the sports

including Cricket, Chess, Badminton and Table Tennis. In the 2nd match of cricket held on February 22, 2019. The female students of BUMDC won in Badminton, Girls Single with IBA and also won Table Tennis Girls Singles.





Chapter 11

# University Building Leadership

Chapter 11

**University  
Building  
Leadership**

# University Building Leadership

School of Leadership visited Bahria University, Islamabad to give Young Leaders Conference Information Session. The one-hour engaging session discussed the common problems faced by the students and how YLC enables individuals to overcome these problems and tailor their own future, hence tailoring the future of Pakistan.

## Har Lehza hai Momin

“Har Lehza Hai Momin” is a guest lecture series initiated by LDC for wisdom and mental well-being of students of Bahria University. LDC invited renowned trainers and public orators to engage with learners in a series of dialogues.

LDC also invited Dr. Ghulam Dastgeer in the first session of “Har Lehza hai Momin”. Dr. Ghulam Dastgeer to speak on “Islamic Laws for Personal Development” Dr. Ghulam Dastgeer is a renowned researcher, corporate trainer and International speaker.

LDC invited Shykh Tauqeer Chaudhary Director of “Nurul Ilm Institute” to hold a dialogue session with students. He spoke about the importance of “character building” in the context of the contemporary age.

In the third session of the dialogue series

“Har Lehza Hai Momin”, Mr. Abid Iqbal Khari was invited to have Power Talk with Bahria University Students. Mr. Abid Iqbal Khari provided valuable insight on Allama Muhammad Iqbal beliefs and logical framework of Nation Building. Mr. Abid Iqbal Khari is a social activist and attitudinal trainer.

Moreover, LDC invited Mr. Khurram Ellahi to “Har Lehza hai Momin” dialogue series. Mr. Khurram Ellahi is an academician, public orator and motivational speaker. He gave a talk about “Moral Universe”

## Seminar on Water Conservation

LDC, in cooperation with Pakistan Petroleum Limited, held a two-hour session on «Water Conservation» for Earth and Environmental Science Students in the Global Month of the Environment. The guest speaker spoke about Pakistan’s water scarcity and how water can be preserved in ways.

## Graduation Ceremony of Quran Course 2.

Bahria University Islamabad and LDC Islamabad Campus in collaboration with Alfalah Manzil Trust conducted the graduation ceremony on successful completion of Quran Course (QC-1). Mr. Arshad Iqbal Malik conducted the course. Director LDC Mr. Khalid Mumtaz distributed prizes among the participant and while concluding he added that for students such courses should be compulsory subjects.



## **Seminar on Islamic Banking and Financing ideas**

Together with Al Baraka Bank, LDC held a 2-hour session for MBA / MS Finance students. Mufti Muhammad Ahmad Khan spoke about a better comprehension of Islamic Banking and Financing ideas, background and the principles of Islamic Finance linked to Shariah.

## **Workshop on How to choose a Research Topic**

Dr. Haider Ali Shah conducted a training on how to choose a research topic. He discussed, how to generate ideas that will help in the choice of a suitable research topic. He also discussed how to turn research ideas into research project that have clear research questions and objectives.

## **NCMPR Researchers visit to Coastal Areas**

National Institute of Maritime Affairs (NIMA) and National Centre for Maritime Policy Research (NCMPR) Karachi, a constituent unit of Bahria University are engaged in maritime research activities. The researchers undertook visit to coastal areas from March 21-31, 2019. The visit was aimed to familiarize the NIMA/NCMPR researchers with the coastal areas of Pakistan to undertake meaningful applied research in maritime fields. The delegation visited Ormara, Pasni, Pasni Fish Harbour, Astola Island, Gwadar and Jiwani. The researchers also participated in Gwadar Expo and visited various maritime organizations/ stakeholders at Gwadar.

## **Two Days International Conference - ECODE 2018 AT BAHRIA UNIVERSITY**

A two days International Conference on `Emerging Challenges for Organizations in Developing Economies` has been organized by Bahria University Islamabad Campus. The aim of this conference was to provide an International forum for academia, research organizations and industry to share their knowledge, experience, and contributions. The event provided a unique platform to discuss latest innovations and challenges, local as well as global, in the fields of Economy, Business and Management Sciences as general. The conference had technical sessions, talks by eminent speakers along with panel discussions.

Mr. Shafqat Mehmood, Federal Minister for Federal Education and Professional Training, graced the occasion as the Chief Guest. While speaking to the audience, he said that it is heartening to know that the ECODE conference has attracted a good number of researchers from all around the globe and had high number of submissions. He appreciated BU efforts in organizing this International conference and highlighted important aspects concerning creative and innovative business ventures which needs an initial investment.

Earlier in his address, Honorable Rector of Bahria University, Vice Admiral (R) Muhammad Shafiq HI (M) expressed his gratitude to the Chief Guest for his presence in the ceremony. He said that Bahria University thrives on the unrelenting passion to promote and sustain research culture in Pakistan, nurturing scholars both academically and pragmatically.

The conference was divided into different themes covering challenges and opportunities for organizations in developing economies. The key note speakers of the conference, Mr. Patchamuthu Illango, Country Director World Bank, Dr. Aron Ahuwa from Michigan University USA, Dr. Ercan Gegez from Altinbas University Turkey, Dr. Sander Schroevers from Amsterdam University of Applied Sciences Netherlands and Dr. Maria Crummet Coleman Research Group shed light on various factors on developing economies.

Topics such as Responsible Entrepreneurship, Overcoming Financial Obstacles to Development, Technology Implementation in Public and Private Sector Organization's - Issues and Advancements and New ways of managing business and its environment were also covered. Prominent distinguished speakers from USA, Turkey, Netherlands and Pakistan participated in the conference.

## **Bahria University Organized Seminar to Pay Tribute to Allama Iqbal.**

Bahria University organized an event to pay tribute to great poet Allama Iqbal. Theme of the event was to inculcate the philosophy of Allama Muhammad Iqbal in the upcoming generations, specifically in students of Bahria University under the title of `Zara Num ho tou Ye Matti Bari Zarkhaiz Hai Saqi`.

The Chief Guest of the event was Iqbal's Grandson, Mr. Muneeb Iqbal. He shed light

on the domestic and professional life of his grandfather. The Guest of Honor Mr. Sherali Jononov (Ambassador Tajikistan) shared his emotional attachment with the teachings and philosophy of Allama Muhammad Iqbal. He stated that entire Pakistan can be transformed as Gosha e Iqbal. Rector Bahria University Vice Admiral (R) Muhammad Shafiq HI (M) eloquently expressed that Bahria University has established 'Iqbal Chair', a body which specifically focusing on objective to implement teachings of Iqbal among BU students in an organized manner. Bahria University has already taken the initiative under the guidance of the Iqbal Chair Professor Dr. Fateh Muhammad Malik, a celebrated scholar on Iqbal.

Various competitions were also held to pay homage to the National poet and highlighted different aspects of his life and teachings. Students were motivated by the Allama Iqbal poetry. A large number of faculty members, officials and students participated in the event.

## **SUMMER & WINTER SCHOOLS**

### **Winter School: Transforming A Thesis**

#### **Dissertation or Research Study**

Dr. David Rowland, Senior Researcher and Psychologist at Valparaiso University, conducted a Winter School at IPP titled, "Transforming A Thesis Dissertation or Research Study into A Publishable Document in Internationally Rated Journals" from January 21-25, 2019. The Winter School was attended by senior students and faculty members from Bahria university and other universities.

### **Summer School at Turbat University**

Ms. Naima Fatima Shariff, Senior lecturer and Clinical In-Charge, IPP and Prof. Dr. Zainab F. Zadeh, Dean and Director, IPP conducted a two days Summer School at Turbat University titled, "The Journey towards Mental Wellness" on August 1-2, 2018. The two-day workshop was attended by the students of the university.

### **Summer School: Neurochemistry and Psychology of Substance Use and Addiction**

International Office Bahria University, Institute of Professional Psychology and Fulbright Program jointly organized a summer school on «Neurochemistry and Psychology

of Substance Use and Addiction. The Summer School was facilitated by Prof. Dr. David Rowland, Fulbright specialist and former Dean, Valparaiso University. The five-day training from July 30 2018 to August 3, 2018 trained participants with the latest developments in treatment of substance abuse issues. It combined theory and practice in addressing this issue in Pakistan by equipping mental health professionals with the requisite skills to diagnose and treat cases of addiction.

### **Summer School: Community Wellness - Psychotherapy and Social Change Process**

The Institute of Professional Psychology and International Office at Bahria University organized a five-day summer school, Community Wellness - Psychotherapy and Social Change Process from August 6-10, 2018. The Summer School was facilitated by Dr. Patricia Omidian, co-founder World Wide Movement of Community Wellness Focusing and was attended by more than 50 participants. The training gave participants an opportunity to design and evaluate programs for community's mental health and wellness. Participants worked under supervision of trained expert to build and analyze participatory programs for mental health and contribute to the development of a stigma free society.

### **Direct Implementation of Behavior**

#### **Analysis**

A six-day Summer Course on "Behavior Analysis" was held at the Institute of Professional Psychology from October 6-21, 2018. The course trained participants to work in applied settings for management and treatment of various behaviors in Individuals with special needs. The course comprised of behavior intervention techniques and strategies that are most essential for treatment. The course was conducted by Ms. Afshaan Fatema who is working as a registered behavior technician in the United States.

### **Basic Counselling and Assessment Skills.**

A four-day short course on Basic Counselling and Assessment Skills was conducted by Ms. Naima Fatima Shariff for participants belonging to allied fields of psychology. The course trained participants on utilizing various interviewing, therapy and assessment skills in order to become effective counsellors. It

provided the participants an opportunity to get practical hands on experience of the field along with developing an understanding of the key principles of the ethical use of counselling and assessment in professional settings.

### **5 day Training session on Introduction to Reading Process and Impairments**

A 5 day training session on Introduction to Reading Process and Impairments (Issues, Symptoms, Identification, Assessment and Remediation) was organized from May 5th-10th, 2018 by the Institute of Professional Psychology, Bahria University in collaboration with the University of Groningen, Netherlands. The training was simultaneously conducted in Islamabad and Karachi by connecting the trainer, in Netherlands with both campuses through VLC. The Training was conducted by Ms. Sana-e-Zehra Haidry, Scientific Researcher at the University of Groningen, Netherlands and Honorary Postdoctoral Associate at Macquarie University, Australia. The training incorporated theory and practice and included field visits to help participants in the assessment and treatment of reading impairments.

## **SEMINARS AND SYMPOSIUMS**

### **Substance use Problems in Youth: Treatment and Prevention Options**

Dean and Director Institute of Professional Psychology, Prof. Dr. Zainab F. Zadeh sharing her views as a Panelist on substance use at the Awareness Seminar, "Substance Use Problems In Youth: Treatment and Prevention Options". The seminar was organized by the Institute of Clinical Psychology in collaboration with Higher Education Commission on September 26, 2018.

### **Expressing Through Arts – Therapeutically**

The scholars of PhD under the supervision of Dr. Kiran Bashir Ahmad, organized a seminar on "Expressing Through Arts" on Dec 28, 2018. The scholars presented their analysis of casework conducted during the semester, integrating theory in practice for treatment of clinical problems. The presentations included a diverse number of topics such as Word Modality, What You See is What You See, Art Work – Exploration and Catharsis, Self-Exploration, Self-Exploration Through Painting and Sound Modality.

### **Young People and Mental Health in a Changing World**

The students of MS Clinical Psychology under the supervision of Ms. Naima Fatima Shariff organized a seminar on "Young People and Mental Health in a Changing World". This seminar also marked the Opening of the Mental Health Awareness Week, 2018. The seminar emphasized on the increase in mental health issues in the youth during current times and was instrumental in shedding light on the treatment and prevention of these issues. It comprised of psychodramas, short films and videos along with guest speaker sessions to highlight and prevent this prevalent issue.

### **First Departmental Symposium on Educational Psychology**

The Institute of Professional Psychology organized its first Departmental Symposium on "Educational Psychology" under the supervision of Ms. Sidra Shoaib. The session was chaired by Dr. Amena Zehra Ali, Associate Professor, Department of Psychology, University of Karachi. The papers presented covered the themes of scope of educational Psychology and evidence based practices in the field.

### **USEFP Visit to Bahria University**

The team of United States Education Foundation Program with representatives of nine US Universities visited Bahria University to share higher education opportunities for the students. Their visit comprised of two parts where in the first visit an orientation of the program along with various universities was provided whereas the second visit comprised of the application and resume building process. The visit was organized by the Institute of Professional Psychology and was Instrumental in opening doors for higher education opportunities for the students of the University

### **Bahria University conducting free courses to understand Quran with meaning**

Bahria University initiated the noble cause of offering classes for understanding the words of Holy Quran. The course was open for Bahria University students, faculty, staff and their family members. The course was conducted by the Leadership Development Center at Bahria University with the collaboration of Dr. Ghulam Dastagir from Alfalah Manzil, a well-known reputed organization in the field.

## WORKSHOPS, TRAININGS AND GUEST SPEAKER SESSIONS

### Awareness Lecture for Students of NUST

Ms. Naima Fatima Shariff, Clinical In-charge and Senior Lecturer, IPP conducted a session on Psychological well-being for PNEC students of NUST University. The Students visited Umeed e Nau on March 5, 2019 as part of their course requirement and were provided an orientation of psychological services offered by IPP.

### Training Workshop on Child Psychology in Class Rooms

A training session was conducted for teachers of different DHA schools at Defence Authority Public School, Phase VIII on July 13, 2019 on psychological issues children may have in classes. The training was titled as "Be Aware" and it aimed at shedding light on child psychology in class rooms. Ms. Fareeha Kanwal delivered this session to a total of 30 participants.

### Expressive Arts Therapy Workshop

A one-hour workshop on topic of "Empowering Self" was conducted by Fareeha Kanwal and Shiza Farooq on November 22, 2018 as part of mental health activities. The purpose of this workshop was to create self-reliance in the participants which was done by conducting various activities. These activities helped people acknowledge and tap into their internal resources leading to a sense of empowerment.

### Music, Songwriting and Therapy

A session on "Music, Song Writing and Therapy" was conducted on Oct 15, 2018 by Sheikh M. Yousuf for the PhD Scholars studying Expressive Arts Therapies.

### Self-Discovery through Songwriting

A session on "Self Discovery through Songwriting" was conducted on by Safwan Subzwari for the PhD Scholars studying Expressive Arts Therapies.

### The Cultural Perspectives of a Japanese Pakistani Muslim

Shahroze Suzuki of Japanese-Pakistani heritage and an alumnus of IPP-BUKC was the Guest Speaker for BS Psychology students studying the course of the "Psychology of Cross

Cultural Differences" on December 12, 2018. Students studying the course benefitted from the exposure to the cross cultural adjustment areas highlighted by the Guest Speaker.

### Always the Guest

Wendy Marijnessen, a Belgian photographer and curator gave an exclusive talk on her book

"Always the Guest". The talk was attended by faculty members of IPP, and PhD scholars studying the course of Expressive Arts Therapies and was organized by Dr. Kiran Bashir Ahmad.

### Improving Psychosocial Support and Services for Vulnerable Children

Prof. Panos Vostanis, Professor of Child mental health at Leicester University and Founder of World Awareness for Children in Trauma (WACIT), conducted a workshop on Improving Psycho-social support and services for vulnerable children for the post graduate students of the Institute of Professional Psychology on September 8, 2018. The workshop revolved around planning and training participants to improve the quality of life of vulnerable children by making services accessible at a greater level.

### Purple Day for Epilepsy Awareness

Students of Neurological Basis Of Behavior under the supervision of Dr. Aisha Noorullah , celebrated «Purple Day « in the support of Epilepsy Awareness, They displayed educational posters highlighting epilepsy; its causes, symptoms and treatments across the institute.

### Poster Presentation for Mental Health

#### Awareness:

Students of the fifth semester under the supervision of Dr. Aisha Noorullah organized a poster presentation as part of their course on "Mental Health" and "Psychopathology".

The posters highlighted the importance of various factors which have an impact on the mental health of human beings globally and in our society.

### Experimental Gala

Students of BS conducted an Experimental Gala on May 14, 2019 under the supervision of Miss Sidra Shoaib. Various experimental researches were presented in the gala related to different fields of psychology.







Chapter 12

**University Governance**



Chapter 12

# University Governance

# University Governance

Bahria University is one of the leading public sector universities of Pakistan. The university has campuses, research institutes across Pakistan which work towards grooming today's youth into becoming tomorrow's leaders.

## Naval Chief chairs Bahria University 39<sup>th</sup> Board of Governors Meeting (BOG)

The 39th scheduled meeting of the Board of Governors of Bahria University was held on July 16, 2018 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 in academic disciplines, infra-structure enhancement and budget etc. Chairman BOG appreciated the efforts of the university for focusing on students grooming through academic teachings and BU core values of integrity creativity and excellence. He also appreciated the academic benchmarks being raised in the university aligned with its strategic vision and mission.

The chairman and the Board of Governors also welcomed newly appointed Rector vice admiral (Retd) Muhammad Shafiq HI (M) in his first BOG meeting and extended their best wishes for his vision of achieving excellence in education and research.

Naval Chief chairs Bahria University's 40<sup>th</sup> Board of Governors (BOG) Meeting The 40th scheduled meeting of the Board of Governors of Bahria University was held on February 7, 2019 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. A detailed briefing was given on the progress of various ongoing projects, with special reference to growth of academic domains, new infrastructure, research activities and budget.

Bahria University is one of the leading public sector universities of Pakistan with presence in Islamabad Lahore and Karachi, working towards grooming the youth. Naval Chief appreciated the efforts of the University at the BOG meeting for focusing on students' development through academic teachings and BU core values of integrity, creativity and excellence. He also appreciated the academic benchmarks being raised in the university aligned with its strategic vision, plans for future growth and being included in top 400 universities of the Asian QS ranking.



39th BoG Meeting held on 16 July 2018



39th BoG Meeting held on 16 July 2018



40th BoG Meeting held on 07 February 2019



40th BoG Meeting held on 07 February 2019

## LIST OF BOG MEMBERS AND ATTENDEES

### 39<sup>th</sup> BoG Meeting of BU – 16<sup>th</sup> July 2018

#### List of Attendees

1.	Admiral Zafar Mahmood Abbasi NI (M) Chief of the Naval Staff	-	Pro-Chancellor & Chairman BoG
2.	Vice Admiral Kaleem Shaukat HI (M) Vice Chief of Naval Staff	-	Member
3.	Vice Admiral Abdul Aleem HI (M) Chief of Staff (Personnel)	-	Member
4.	Vice Admiral (Retd) Muhammad Shafiq HI (M) Rector, Bahria University	-	Member
5.	Vice Admiral (Retd) Khawaja Ghazanfer Hussain HI (M) Director General Karachi Campus (Through Video Link)	-	Member at Karachi
6.	Mr Arif Ahmed Khan Secretary Ministry of Finance	-	Member
7.	Ms Yasmin Masood Secy Ministry of Science & Technology	-	Member
h.	Prof Dr Muhammad Qasim Jan HI Advisor, COMSTECH Secretariat	-	Member
8.	Prof Dr Misbah-Ud-Din Shami SI Founding Member, Islamic World Academy of Sciences	-	Member
9.	Rear Admiral Muhammad Fayyaz Gilani HI(M) Deputy Chief of Naval Staff (Training & Evaluation )	-	Member
10.	Rear Admiral Asif Khaliq HI(M) Commander Karachi (Through Video Link)	- -	Member at Karachi
11.	Rear Admiral Abdul Basit Butt SI(M) Director General Naval Intelligence	-	Member
12.	Rear Admiral (Retd) Shahid Saeed HI(M) Pro-Rector/DG Islamabad Campus	-	Member

University Governance

13. Rear Admiral (Retd) Imtiaz Ahmad HI(M) Director General BUM&DC, Karachi (Through Video Link)	-	Member at Karachi
14. Rear Admiral (Retd) Mukhtar Khan HI(M) DG IMA (Institute of Maritime Affairs)	-	Member
15. Commodore Sheikh Imran Nasir SI(M) Commander North	-	Member
16. Cdre (Retd) M Amjad Zaman SI(M) Director BU Lahore Campus (Through Video Link)	-	Attend on the instruction of the Chairman
17. Cdre (Retd) Muhammad Hisham SI(M) Registrar/Secy BoG	-	Secretary
18. Surg Captain Shaikh Hussain PN Rep of DG MS (Navy)	-	Member
19. Captain Aamer Rasheed Malik PN Director Naval Education	-	Member
20. Prof Dr Asad Ullah Khan Dean Faculty of Health Sciences (Through Video Link)	-	Member at Karachi
21. Prof Dr Farooq-e-Azam Cheema Dean Faculty of Management & Social Sciences (Through Video Link)	-	Member at Karachi
22. Prof Dr Muhammad Najam-ul-Islam Dean Faculty of Engineering Sciences	-	Member
23. Prof Dr Zainab F Zadeh Dean Faculty of Psychology (Through Video Link)	-	Member at Karachi
24. Rana Abdul Ghafoor Khan (FA (Navy))	-	in attendance

**40<sup>th</sup> BoG Meeting of BU – 7<sup>th</sup> February 2019****List of Attendees**

1. Admiral Zafar Mahmood Abbasi NI (M) Chief of the Naval Staff	-	Pro-Chancellor & Chairman BoG
2. Vice Admiral Kaleem Shaukat HI (M) Vice Chief of Naval Staff	-	Member
3. Vice Admiral Abdul Aleem HI (M) Chief of Staff (Personnel)	-	Member
4. Admiral Asif Khaliq HI (M) Commander Karach Through Video Link	- -	Member at Karachi
5. Vice Admiral (Retd) Muhammad Shafiq HI (M) Rector, Bahria University	-	Member
6. Rear Admiral Nasir Mahmood HI (M) Pro-Rector/DG Islamabad Campus	-	Member
7. Surg Rear Admiral Najam-us-Saqib T.Bt Director General Health Services	-	Member
8. Rear Admiral Zahid Ilyas HI(M) SBt Deputy Chief of Naval Staff (Training & Evaluation)	-	Member
9. Surg Rear Admiral Ch M Qamar UI Haq Noor Director General Medical Services (Navy)	-	Member
10. Rear Admiral Abdul Basit Butt SI (M) Director General Naval Intelligence	-	Member
11. Ms Yasmin Masood Secy Ministry of Science & Technology	-	Member
12. Prof Dr Misbah-Ud-Din Shami SI Founding Member Islamic World Academy of Sciences	-	Member
13. Prof Dr Muhammad Qasim Jan HI Advisor, COMSTECH Secretariat	-	Member

University Governance

14. Muhammad Bilal Financial Advisor (Cabinet/HEC) Rep of Secretary Ministry of Finance	-	Member
15. Rear Admiral (Retd) Imtiaz Ahmad HI (M) Director General BUM&DC, Karachi Through Video Link	-	Member at Karachi
16. Rear Admiral (Retd) Mukhtar Khan HI (M) Director General Karachi Campus Through Video Link	-	Member at Karachi
17. Commodore Sheikh Imran Nasir SI (M) Commander North	-	Member
18. Cdre (Retd) M Amjad Zaman SI (M) Director BU Lahore Campus Through Video Link	-	Attended on the instruction of the Chairman
19. Cdre (Retd) Muhammad Hisham SI (M) Registrar/Secy BoG	-	Secretary
20. Captain Aamer Rasheed Malik PN Director Naval Education	-	Member
21. Prof Asad Ullah Khan Dean Faculty of Health Sciences Through Video Link	-	Member at Karachi
22. Dr Farooq-e-Azam Cheema Dean Faculty of Management & Social Sciences Through Video Link	-	Member at Karachi
23. Dr Muhammad Najam-ul-Islam Dean Faculty of Engineering Sciences	-	Member
24. Dr Zainab F Zadeh Dean Faculty of Psychology Through Video Link	-	Member at Karachi



## 19th Foundation Day of Bahria

Bahria University was established by Pakistan Navy through a presidential ordinance on February 7, 2000. Every year, we celebrate this milestone across all campuses. The 19th foundation day was celebrated at BUMDC on February 7, 2019 followed by cultural 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.

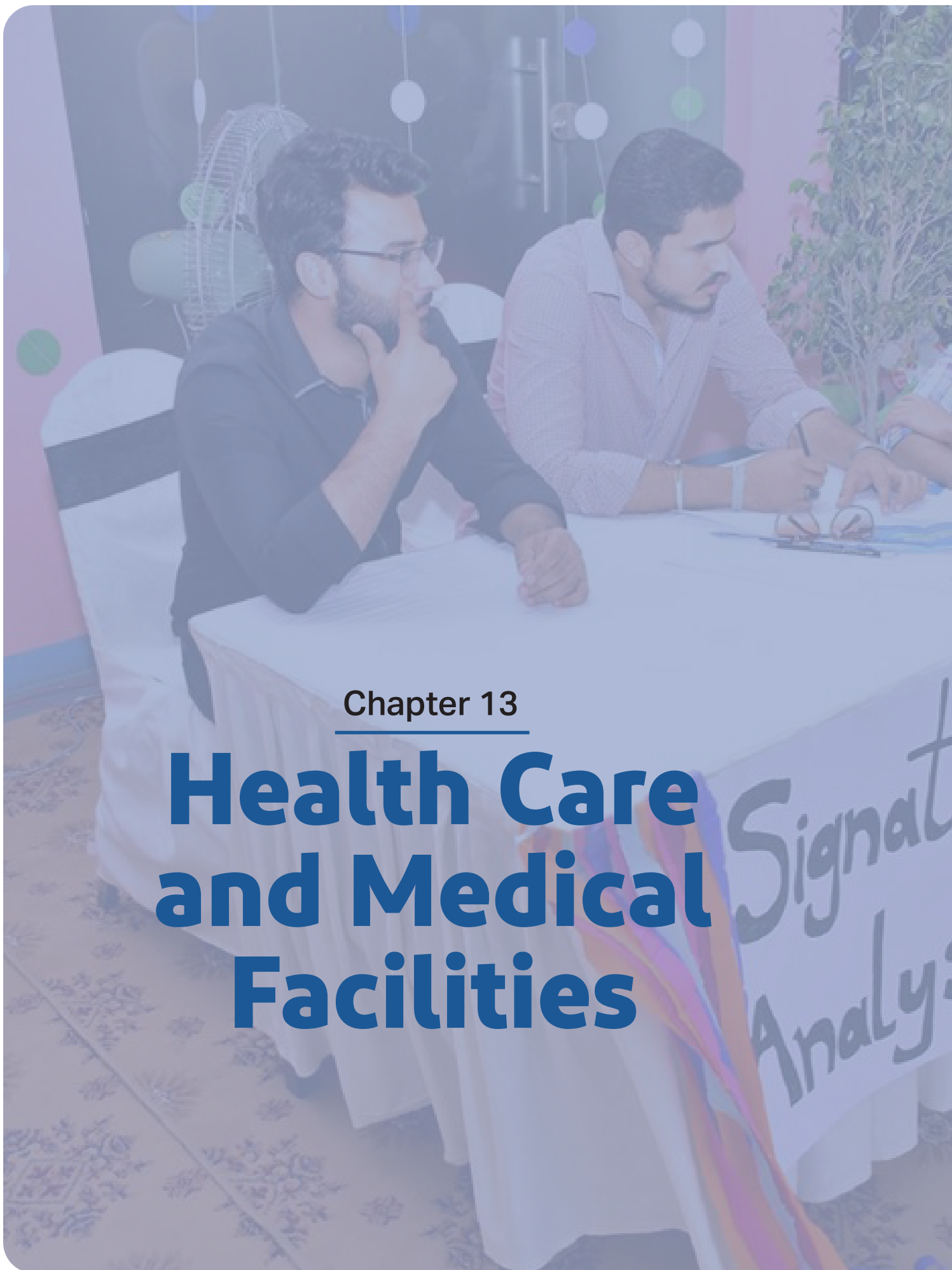






Chapter 13

# Health Care and Medical Facilities



Chapter 13

# Health Care and Medical Facilities



## Health Care and Medical Facilities

Bahria University is one of the prominent institutions where students, officers, staff and faculty receive medical / emergency first aid and counseling support services. Medical consultation and free medication 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 are also working in collaboration with the Medical Care Unit.

In order to provide medical facilities to all, 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's mobile application can be downloaded 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 are available on BU website.

### Bahria University Employees Health Care Services

Bahria University has always been conscious of providing every possible facility to its employees. Provision of healthcare coverage to BU employees is one of such initiatives. Health cover can relieve the employees and their families from the worries of unexpected diseases/ailments, surgery and out patients care. The healthcare is introduced to compensate expenditure incurred by the university employees on treatment of diseases / ailments. To provide better medical facilities and ensure cost effectiveness of the scheme, health coverage is mandatory for all employees (optional for ex- armed forces officers).

The coverage under the scheme is given below:

S.No	Insurance coverage	Remarks
i.	Employee	Up to 70 years
ii.	Dependents	
	i. Spouse	70 years, unless otherwise extended in writing
	ii. Children	
	(1) Male	up to 25 years (non-employed and un married)
	(2) Female	till they get married
iii.	Life insurance (Death Compensation)	until attaining age of 65 years. Employees above 65 years' age are to forward duly filled Health questionnaire & Insurance application form to avail life insurance facility

Health policy cover provides Hospital and Related Services (H & R)/ Hospitalization Expense Benefit. This benefit covers all eligible expenses incurred by an insured for non-pregnancy related hospitalization and surgical procedure due to any sickness or injury, subject to pre-determined limits of each category of employees. Coverage includes In-Patient (hospitalization), Maternity and Out Patient benefits. Healthcare policy details/ scope of services is given on the BU web site (in down load section) for information/ quick access of all employees.

S.No	Benefits Description	Remarks
a	Hospitalization (In-patient) expenses benefit Daily room charges Hospital Miscellaneous Expenses Surgical Expenses Dread Disease Expense Benefits Congenital Hepatitis, Rabies Day Care Surgery Expenses	
b	Pre & post hospitalization expense benefit	i. Entitlement/ schedule of benefits is at BU website
c	Maternity expense benefit	ii. Hospitalization benefits includes coverage in panel & non panel hospitals
d	Pre & post-natal expense benefit	iii. Panel hospital list (approved by the insurance company) is at BU website
e	Out Patient Expense Benefit	given at BU website
f	Specialized Investigations Outpatient expense benefit	
g	Additional limits benefit (Gel Money)	
h	Death Compensation	
i	Value added services (discount at designated laboratories for tests, X-ray, etc)	
j	Policy Exclusions ( treatments/ healthcare not covered in policy)	

To facilitate the employees in availing the healthcare benefits, mobile healthcare application (launched by M/s JGI) is available and can be downloaded by the employees (on smart phones). The key features of healthcare insurance app are:

- Panel hospital location. (mobile location mode should be ON)
- Discount centers (labs) location
- List of employee insured and dependents
- IPD & OPD claim status (by clicking on employee name in insured person list)
- Complaint (employee can write compliant against service provided)

Healthcare services also makes the employee eligible for discounts at various designated outlets all over Pakistan (detail is given at BU website) where employees enjoy savings on the following services:

- (1) Consultations
- (2) Labs
- (3) Diagnostics

Health care policy 2018 completed was on December 31, 2018. The contract for 2019 policy is accordingly concluded for continuance of healthcare services to the employees. Healthcare coverage was extended to 1712 employees in 2018. Detail is as under.

Total lives insured	Employees	Spouse	Children
5686	1712	2692	1282

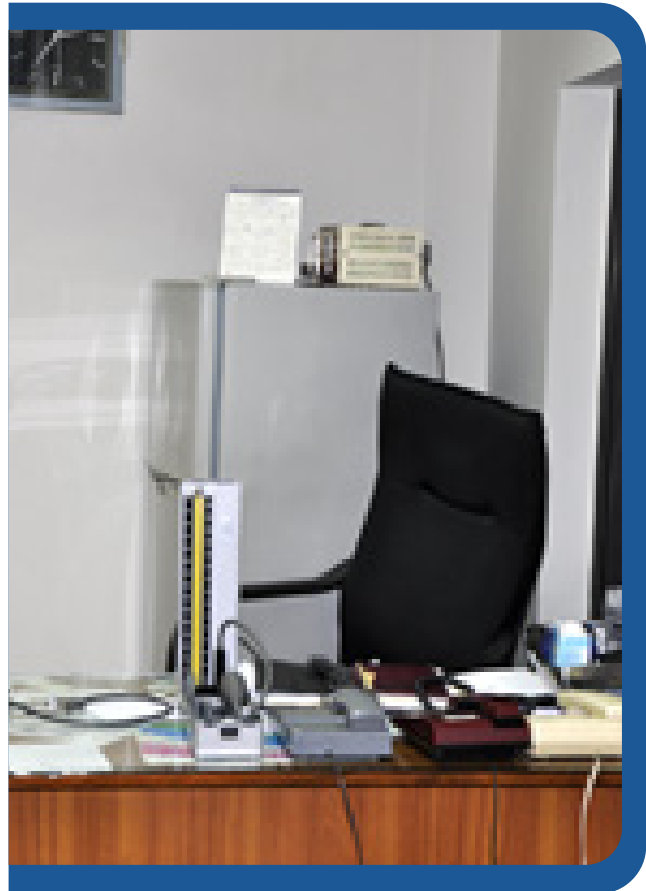
Health coverage facility is also extended to the parents of employees' (married & unmarried) subject to payment of additional premium by interested employees.

- OPD - from entitled limits, without any additional premium
- IPD - entitlement Rs 2 lacs, age limit 70

years (additional premium @ 1050 per month).

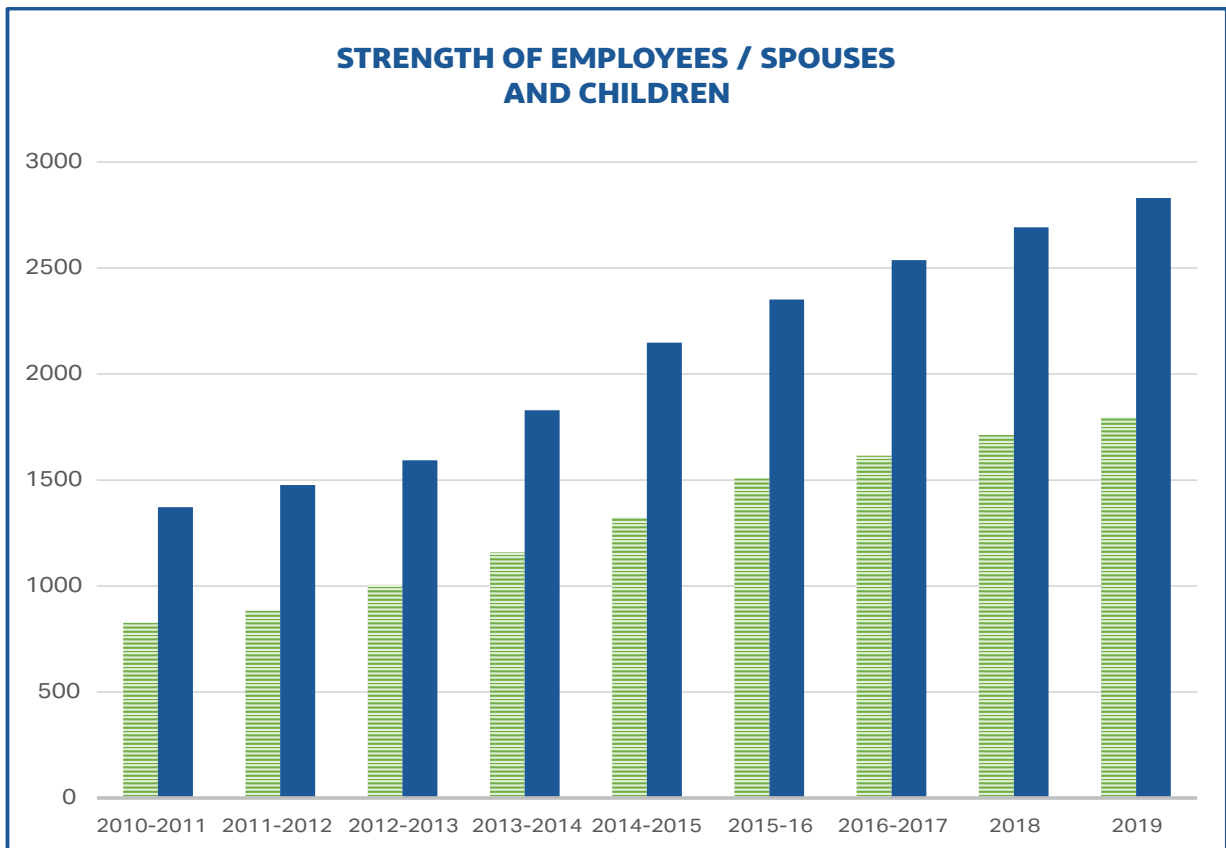
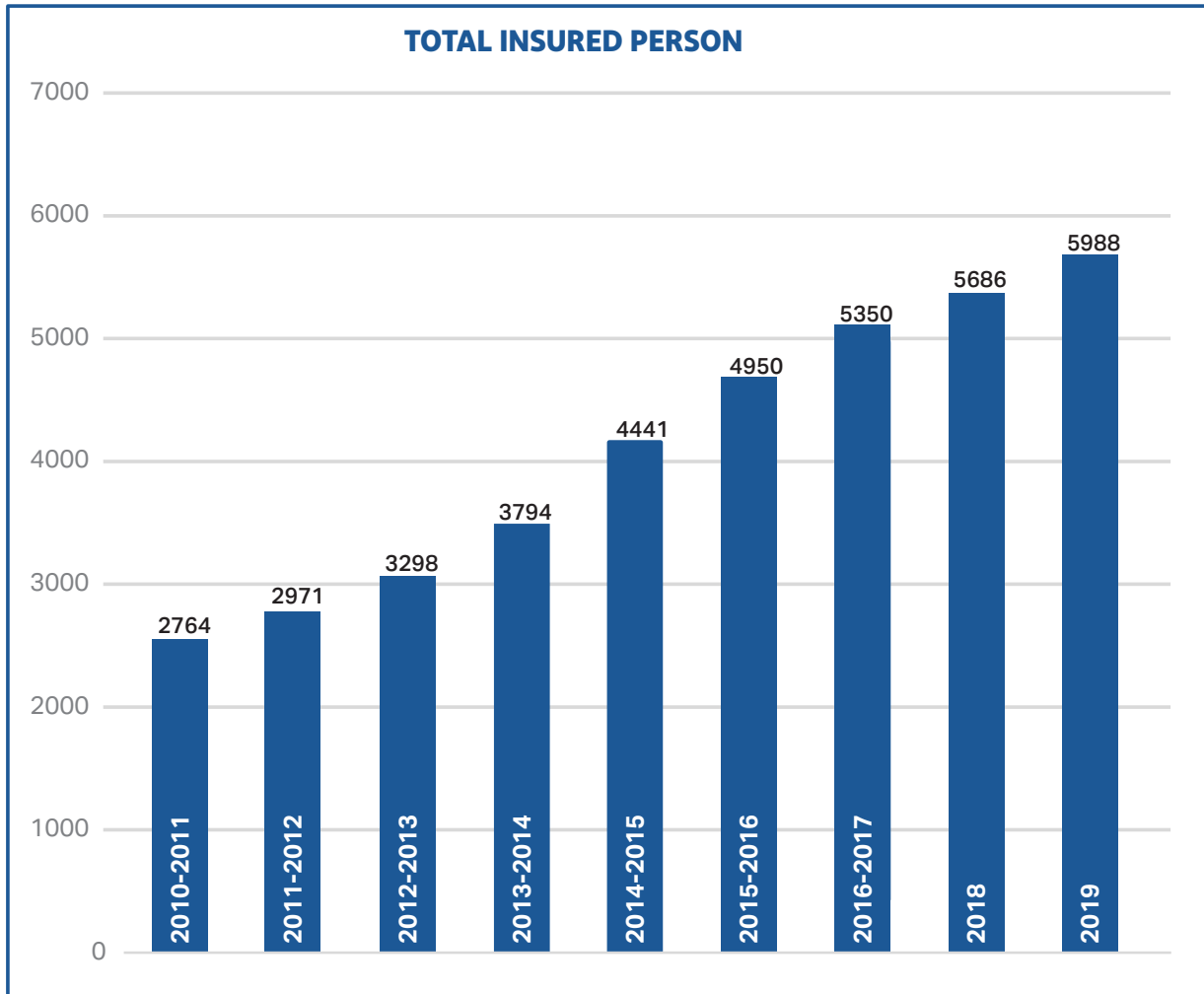
The following facilities were added on the health care scheme.

Inclusion of pharmacies and optics to provide medicines and eye glasses on subsidized rates to BU employees.

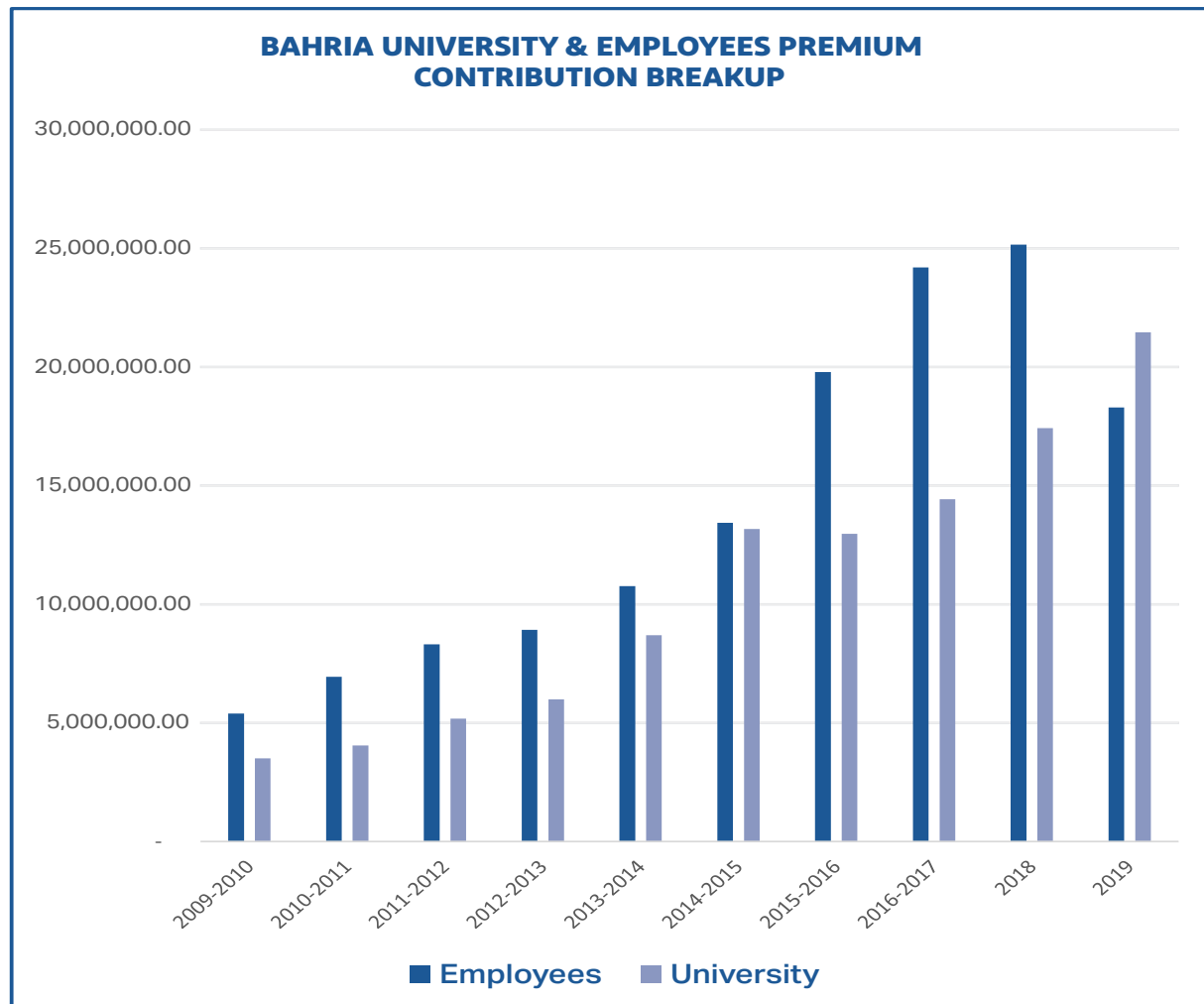
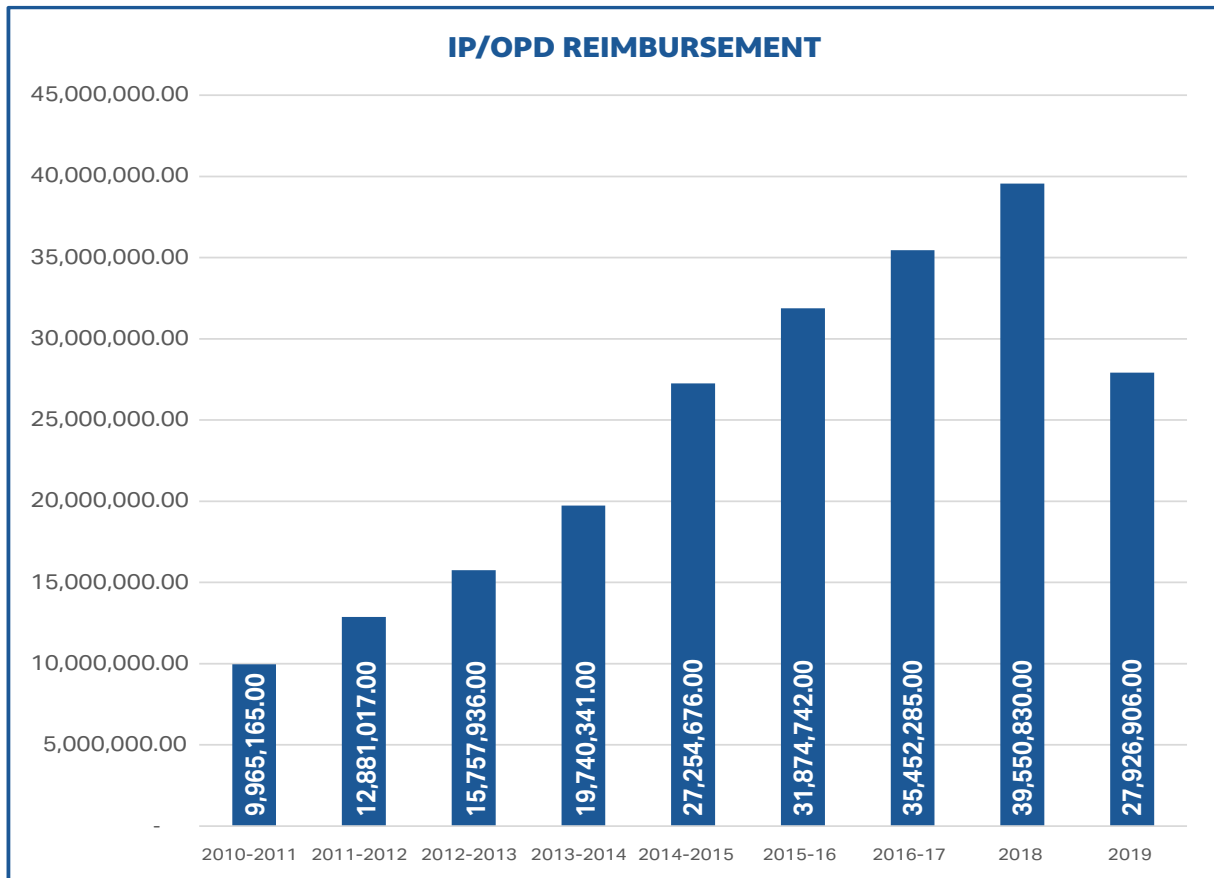


- Enhancement of room entitlement limit in hospitals under IPD coverage to cater high medical cost.
- Increase in the death compensation claim limit for the employees.
- Enhancement in the age limit of employees for life insurance coverage to 65 years from 60 years.

Discount description	Discount Center	Discount Percentage
Spectacles (Eye glasses)	Shabbir Optics, Crystal Square, F-8 Markaz, Islamabad	20%
Lab test	Islamabad Diagnostic Centre	15 - 25 %
Medicines	Al Akram Pharmacy, Alladad Plaza G-8 Markaz, Islamabad	10%



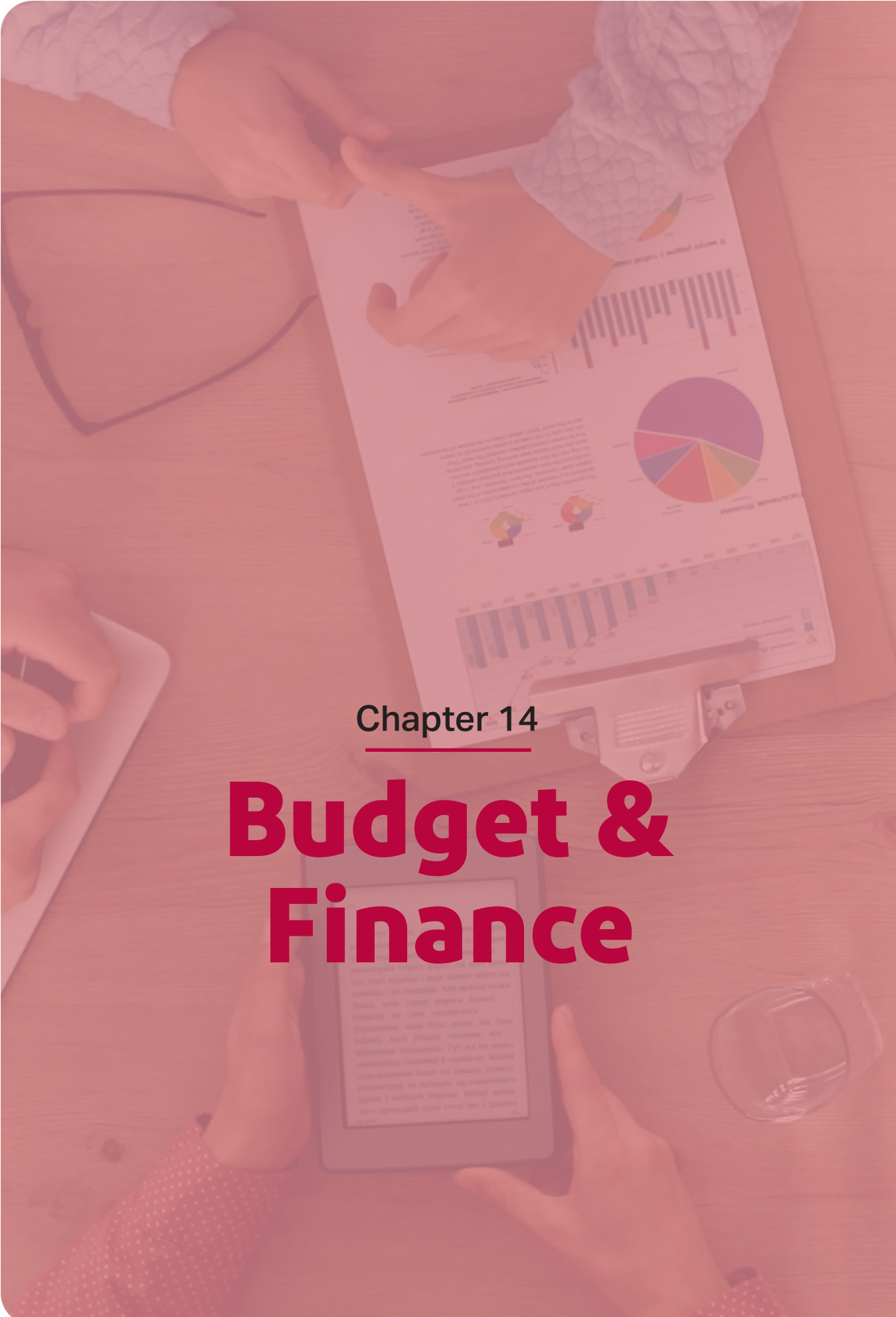






Chapter 14

# Budget & Finance



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 programs, spend on development of new infrastructure to carry these programs, and sustain these initiatives with continuous provision of resources. The statement of Financial position as at June 30, 2019, Statement of Cash-flows for the year ended June 30, 2019, and Income and expenditure statement for the year ended June 30, 2019 are as follows:

## BAHRIA UNIVERSITY STATEMENT OF FINANCIAL POSITION AS AT 30 JUNE 2019

	NOTE	2019 Rupees	2018 Rupees
<b>ASSETS</b>			
<b>NON-CURRENT ASSETS</b>			
Property and equipment	4	2,770,213,523	2,145,648,459
Long term investment	5	10,116,977	10,010,317
Long term deposits		9,991,410	9,764,410
		<u>2,790,321,910</u>	<u>2,165,423,186</u>
<b>CURRENT ASSETS</b>			
Advances	6	51,958,202	52,910,860
Prepayments		-	5,930,938
Other receivables	7	46,228,996	37,624,911
Short term investments	8	941,400,000	313,799,956
Cash and bank balances	10	662,227,422	1,027,474,841
		1,701,814,620	1,437,741,507
		<u>4,492,136,530</u>	<u>3,603,164,693</u>
<b>TOTAL ASSETS</b>			
<b>FUND, RESERVE AND LIABILITIES</b>			
<b>FUND AND RESERVE</b>			
General fund		3,857,993,274	3,171,700,497
Fair value reserve		116,977	10,317
Total fund and reserve		<u>3,858,110,251</u>	<u>3,171,710,796</u>
<b>NON-CURRENT LIABILITIES</b>			
Deferred credit - grants	9	145,334,526	85,292,956
Student's security deposits	11	259,298,407	210,869,702
Gratuity payable		5,855,060	-
		410,487,993	296,162,658
<b>CURRENT LIABILITIES</b>			
Current portion of student's security deposits	11	20,078,104	18,763,745
Other payables	12	203,460,182	116,527,494
		223,538,286	135,291,239
		634,026,279	431,453,897
<b>TOTAL LIABILITIES</b>			
<b>CONTINGENCIES AND COMMITMENTS</b>			
	13		
<b>TOTAL FUND, RESERVE AND LIABILITIES</b>			
		<u>4,492,136,530</u>	<u>3,603,164,693</u>

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

**BAHRIA UNIVERSITY**  
**STATEMENT OF CASH FLOWS**  
**FOR THE YEAR ENDED 30 JUNE 2019**

	NOTE	2019 Rupees	2018 Rupees
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>			
Surplus for the year		695,866,214	480,884,497
<b>Adjustments for:</b>			
Depreciation	4	344,912,722	446,035,166
Gain on disposal of operating fixed assets		(3,031,924)	(2,196,442)
Amortization of grants		(445,896,980)	(286,526,653)
Profit on bank deposits		(72,319,609)	(49,209,360)
		(176,335,791)	110,102,711
		<b>519,530,423</b>	<b>590,987,208</b>
<b>Changes in:</b>			
Advances		952,658	(10,012,129)
Prepayments		5,930,938	(572,356)
Other receivables		(8,604,085)	(27,469,576)
Increase in accrued and other liabilities		86,932,688	8,705,841
		85,212,199	(29,348,220)
		<b>604,742,621</b>	<b>561,638,988</b>
<b>Cash generated from operations</b>			
Long term deposits		(227,000)	(13,400)
Student's security deposits		49,743,064	19,355,520
		49,516,064	19,342,120
		<b>654,258,685</b>	<b>580,981,108</b>
<b>Net cash generated from operating activities</b>			
<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>			
Capital expenditure on property and equipment		(970,557,337)	(739,485,921)
Proceeds from sale of property and equipment		4,111,475	24,725,583
Profit on bank deposits received		68,494,591	47,209,360
Short term investments made		(627,600,044)	(9,250,960)
Long term investment made		106,660	-
<b>Net cash used in investing activities</b>		<b>(1,525,444,654)</b>	<b>(676,801,938)</b>
<b>CASH FLOWS FROM FINANCING ACTIVITIES</b>			
Grants received		505,938,550	141,819,609
<b>Net cash from financing activities</b>		<b>505,938,550</b>	<b>141,819,609</b>
<b>Net (decrease) / increase in cash and cash equivalents</b>		<b>(365,247,419)</b>	<b>45,998,779</b>
<b>Cash and cash equivalents at the beginning of the year</b>		<b>1,027,474,841</b>	<b>981,476,063</b>
<b>Cash and cash equivalents at the end of the year</b>	10	<b>662,227,422</b>	<b>1,027,474,841</b>

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

**BAHRIA UNIVERSITY**  
**INCOME AND EXPENDITURE ACCOUNT**  
**FOR THE YEAR ENDED 30 JUNE 2019**

	NOTE	2019 Rupees	2018 Rupees
<b>INCOME</b>			
Fee income	14	3,151,000,968	2,798,617,878
Amortization of grants	9	445,896,980	286,526,653
Other income	15	210,390,682	166,511,521
		<b>3,807,288,630</b>	<b>3,251,656,052</b>
<b>EXPENDITURE</b>			
Salaries, wages and other benefits		2,146,548,026	1,755,667,372
Traveling expenses		20,846,335	16,886,467
Repair and maintenance		89,721,830	89,524,684
Workshops and conferences		19,965,667	11,346,267
Utilities and communication		95,941,050	90,403,291
Professional services		7,967,435	1,649,225
Patients Consultation Fee		421,980	645,681
Security Services Charges		26,124,859	21,846,946
Audit fee		249,000	249,000
Equipment operation		9,726,342	9,444,846
Donation		11,478,757	11,217,619
Student expenses		35,525,889	43,352,393
Entertainment expenses		6,521,950	7,448,790
Newspaper and periodicals		11,098,791	10,393,556
Printing and stationery		26,577,679	23,011,635
Insurance		2,028,776	1,984,975
Postage and courier expenses		27,077,631	2,374,807
Renewals, registration and licenses		10,411,941	10,272,079
Scholarships		60,178,076	50,692,403
Advertisement and publicity		7,023,886	6,651,754
Rent, rate and taxes		56,123,906	35,838,751
Affiliated examination expenses		1,076,900	37,010,000
Research and development		47,452,527	46,248,203
Depreciation	4.1	344,912,722	446,035,166
Bank charges		731,286	584,714
Hostel expenses		12,172,630	11,555,308
Sports activities		1,906,787	1,324,765
New intake expense		19,976,020	18,563,377
Gardening, cleaning and garbage expenses		2,558,409	2,499,441
Miscellaneous		9,075,329	6,048,040
		<b>3,111,422,416</b>	<b>2,770,771,555</b>
<b>SURPLUS FOR THE YEAR</b>		<b>695,866,214</b>	<b>480,884,497</b>

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









**BAHRIA UNIVERSITY HEAD OFFICE**

Directorate of Quality Assurance  
Shangrilla Road, Sector E-8, Islamabad - Pakistan  
Ph: +92-51-9263190 | Twitter: Official\_BU  
Email: dqa@bahria.edu.pk | Fb: OfficialBU



**BAHRIA UNIVERSITY ISLAMABAD CAMPUS**

Shangrilla Road, Sector E-8, Islamabad - Pakistan  
Ph: +92-51-111-111-028  
Web: www.bahria.edu.pk | Email: dgisb@bahria.edu.pk



**BAHRIA UNIVERSITY LAHORE CAMPUS**

47-C Civic Center Johar Town Lahore  
Ph: +92-42-99233404, 99233408-15,  
Email: director.bulc@bahria.edu.pk



**BAHRIA UNIVERSITY KARACHI CAMPUS**

13 Stadium Road, Karachi 75260 - Pakistan  
Ph: +92-21-99240002  
Email: dg.bukc@bahria.edu.pk



**INSTITUTE OF PROFESSIONAL PSYCHOLOGY**

13 Stadium Road, Karachi 75260 - Pakistan  
Ph: +92-21-99240002 Ext: 261/262  
Fax: +92-21-9920065  
Email: dean.ipp@bahria.edu.pk



**BAHRIA UNIVERSITY MEDICAL AND DENTAL COLLEGE**

13 Stadium Road, Karachi 75260 - Pakistan  
Ph: +92-21-111-111-028  
Email: principal.bumdc@bahria.edu.pk



**NATIONAL INSTITUTE OF MARITIME AFFAIRS  
BAHRIA UNIVERSITY HEAD OFFICE**

Shangrilla Road, Sector E-8, Islamabad - Pakistan  
Ph: +92-51-9263438  
Email: dnima@bahria.edu.pk



www.bahria.edu.pk



OfficialBU



Official\_BU



www.bahria.edu.pk

