



**SZABIST**

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Yourself

**SZABIST**  
**ANNUAL**  
**REPORT**  
2018-2019

University  
Campuses



Shaheed Zulfikar Ali Bhutto Institute of Science & Technology

## Shaheed Zulfikar Ali Bhutto

Former Prime Minister of Pakistan  
January 5, 1928 - April 4, 1979



## THE VISION

SZABIST aims to be a globally recognized institute for excellence in education, research, development, and distinction in service.

## THE MISSION

SZABIST is committed to produce highly qualified professionals to:

- Meet national and global contemporary needs;
- Conduct cutting edge research and development;
- Provide hi-tech scientific and technological expertise;
- Meet current and future socio-economic challenges;
- Meet global citizenship responsibility.



## Shaheed Mohtarma Benazir Bhutto

Former Prime Minister of Pakistan  
and Founding Chancellor of SZABIST  
June 21, 1953 - December 27, 2007



*“It is the educated who think and it is the thinking who debate. And it is only those who debate can come to the right conclusion.”*

Address to the concluding session of the National Education  
Conference Islamabad, March 30, 1989



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# List of Acronyms and Abbreviations

AACSB	Association to Advance Collegiate School of Business	MA Edu	Master in Education
AAP	ASER-Alliance Pakistan	MAP	Management Association of Pakistan
ACCA	Association of Chartered Certified Accountants	MAP	Marketing Association of Pakistan
ACM	Association for Computing Machinery	MBA	Master of Business Administration
AIC	Accreditation Inspection Committee	MBA BandF	Master of Business Administration Banking and Finance
APQN	Asia Pacific Quality Assurance Network	MBC	Minimum Bactericidal Concentration Test
AQAIAW	Association of Quality Assurance Agency of Islamic World	MHRM	Masters in Human Resource Management
ASER	Annual Status of Education Report	MIC	Minimum Inhibitory Concentration Test
ASME	American Society of Mechanical Engineers	MISNA	Masters in Information Security and Networks Administration
AT	Assessment Team	MMR	Mass Miniature Radiology
AUF	Asia University Federation	MoA	Master of Advertising
BABS	Bachelor of Arts in Business Studies	MoU	Memorandum of Understandings
BASR	Board of Advanced Studies and Research	MPH	Master of Public Health
BBA	Bachelor of Business Administration	MPM	Masters in Project Management
BBS	Bachelor of Business Studies	MS Bio	Master of Science in Biosciences
B.Ed	Bachelor of Education	MS ELM	Master of Science in Educational Leadership and Management
BEME	Bachelor of Engineering in Mechatronics	MSCS	Master of Science in Computer Science
BMS	Bachelor of Media Sciences	MSDS	Master of Science in Development Studies
BoS	Board of Studies	MSMD	Master of Science in Media Studies
BoT	Board of Trustees	MSME	Master of Science in Mechatronics Engineering
BS Bio	Bachelor of Science in Biosciences	MSMS	Master of Science in Management Sciences
BS Biotech	Bachelor of Biotechnology	MSPM	Master of Science in Project Management
BSAF	Bachelors of Accounting and Finance	MSSE	Master of Science in Software Engineering
BSCS	Bachelor of Science in Computer Science	MSSS	Master of Science in Social Sciences
BSEnr	Bachelor of Science in Entrepreneurship	MTA	Medical Technical Assistants
BSSS	Bachelor of Science in Social Sciences	NBEAC	National Business Education Accreditation Council
BSSE	Bachelor of Software Engineering	NCEAC	National Computing Education Accreditation Council
CIEC	Chartered Inspection and Evaluation Committee	NGIRI	National Grassroots ICT Research Initiative
CILT	Chartered Institute of Logistics and Transport	NICT	National Information and Communication Technologies
CIR	Continuous Improvement Report	NRCMB	National Research Conference on Management and Business
CRER	Center for Renewable Energy Research	NTS	National Testing Service
CSR	Corporate Social Responsibility	NUST	National University of Sciences and Technology
DAI	Degree Awarding Institute	ORIC	Office of Research, Innovation and Commercialization
DC	Doctoral Committee	PAF	Pakistan Air Force
DERB	Departmental Ethics Review Board	PDA	Personal Digital Assistant
EDC	Executive Development Center	PhD Biosci	Doctorate of Philosophy in Biosciences
EMBA	Executive Master of Business Administration	PhD CS	Doctorate of Philosophy in Computing
ERFA	External Relations and Financial Assistance	PhD ELM	Doctorate of Philosophy in Educational Leadership and Management
FFT	Freshmen Futsal Tournament	PhD MS	Doctorate of Philosophy in Management Sciences
FUIW	Federation of the Universities of Islamic World	PhD SS	Doctorate of Philosophy in Social Sciences
GPA	Grade Point Average	PIFF	Pakistan International Film Festival
HEC	Higher Education Commission, Pakistan	PMBA	Professional Master of Business Administration
HOD	Head of Department	PT	Program Team
HRDN	Human Resource Development Network	QAA	Quality Assurance Agency
IAU	International Association of Universities	QEC	Quality Enhancement Cell
IBA	Institute of Business Administration	RandD	Research and Development
ICCI	Islamabad Chamber of Commerce	RC	Research Committee
ICRC	International Committee of the Red Cross	RCoS KM	Rotaract Club of SZABIST Karachi MidCity
IEEE	Institute of Electrical and Electronics Engineers	SAGA	SZABIST Alumni Global Association
IERB	Institutional Ethics Review Board	SAR	Self-Assessment Report
IMC	Intermediate College	SCBR	SZABIST Center for Biosciences Research
IoBM	Institute of Business Management	SDRC	Sustainable Development Research Center
IPE	Institutional Performance Evaluation	SEED	Social, Entrepreneurship and Equity Development
IQA	International Qualification Assessment	SES	SZABIST Entrepreneurial Society
IR	Institutional Research	SIGs	Special Interest Groups
IT	Information Technology	SMEDA	Small and Medium Enterprises Development Authority
ITVE	Institute of Technical and Vocational Education	SOAS	School of Oriental and African Studies
JISR	Journal of Independent Studies	SSC	SZABIST Student Council
JSTC	Job Skill Training Center	SUPARCO	Space and Upper Atmosphere Research Commission
KHDA	Knowledge and Human Development Authority	USAID	United States Agency for International Development
LLB	Bachelor of Law	VP	Vice President
LRBT	Layton Rahmatulla Benevolent Trust	ZABLIS	SZABIST Library Information System
LUMS	Lahore University of Management Sciences	ZABMUN	SZABIST Model United Nations





# Foreword

SZABIST Annual Report provides an insight about the contribution of this auspicious Institution in augmenting intellectual capabilities of young generation through their tertiary education. The Institute is recognized for providing advanced education in the fields of Life Sciences, Computing, Engineering Sciences, Social Sciences, Education, Management Sciences, Media Sciences and Law. SZABIST is well positioned and frequently providing the quality education to meet the objectives of its mission and make an impact on economic growth and sustainable development.

The SZABIST Annual Report 2018-2019 portrays the Institute's achievements during the year in each of its five campuses. The report depicts the decisions taken by the Management to increase the quality of education and to attain the vision of the Founding Chancellor, Shaheed Mohtarma Benazir Bhutto, i.e. to become globally recognized institute for research and education. Further, the report provides an overview of each campus under the dynamic leadership of Honorable Chancellor, Dr. Azra Fazal Pechuho, along with the continuous support of the Board of Trustees, Board of Governors, support and guidance of the President and Vice-Presidents, and dedication of faculty and staff. SZABIST has made exceptional progress and today it is considered one of the best tertiary education provider. In addition, the SZABIST Management along with external donors have made cost-effective quality education accessible to the students.

During 2018-2019, progress is evident from the significant growth in student enrollments, scholarships, CSR activities, and graduates. As per institutional plans, new programmes have been initiated and a number of seminars, guest speaker sessions, conferences and workshops have been organized whilst maintaining the premium quality standards. Further, SZABIST continuously devises trainings and developmental programs for strengthening the faculty's competence and proficiency.

The Institutional Research/Quality Enhancement Cell team have put in commendable effort in completing SZABIST Trust Annual Report 2018-2019 – University Campuses. In particular, work done by the editorial committee: Ms. Mahwash Imran, Ms. Anam Sami and Mr. Bashir Ahmad is highly appreciated.

# Chancellor's Message



SZABIST has a rich history since its inception in 1995 and now it has been almost 24 years serving the field of education. The Institute has grown extensively and is recognized both nationally and as well as on international platforms. The Annual Report 2018-2019 depicts SZABIST's exceptional progress in the academia. The achievements depicts academic progress, institutional improvements, building of new libraries, rise in student enrollment, new MOUs and agreements, and many other developments. I believe our continued commitment to quality education, strengthening research, and augmenting scholarly pursuits will significantly contribute to the development of Pakistan, as envisioned by our Founding Chancellor, Shaheed Mohtarma Benazir Bhutto.

SZABIST has worked on strengthening the existing programs and planning various new endeavors for the upcoming year. The institute is well equipped with digital classrooms in order to provide the students and faculty effective learning environment. Furthermore, the institute is planning to acquire new buildings in order to increase the number of the classrooms. The current infrastructure is being renovated as per requirement. Also, memberships with online journals and information firms such as Thomson Reuters have been acquired so as to provide students with the best possible technology for conducting research.

At SZABIST, we foster a multicultural environment in recognition of diverse perspectives, backgrounds, disciplines, and experiences of Faculty, Staff and Students. This endorses our institutional commitment towards pluralistic societal development.

In order to increase the quality of education imparted at Institute, SZABIST's Institutional Research/Quality Enhancement Cell (IR/QEC) department is continuously working towards enhancing the academic and administrative structures, policies, and procedures. In 2018-2019, the department was awarded 93.59% quantitative rating by Quality Assurance Agency, Higher Education Commission (QAA-HEC).

I would like to thank the Members of the Board of Trustees, Board of Governors, Senior Management, our Faculty and Staff whose competence and determination have strengthened SZABIST's market value. Also, constant efforts of Manager IR/QEC, Ms. Mahwash Imran, Institutional Research Officer, Ms. Anam Sami and Marketing Designer, Mr. Bashir Ahmed in the preparation of SZABIST Trust Annual Report 2018-2019 are highly appreciable.

The achievements highlighted in this report reflect SZABIST's potential for a successful future in the fields of education and research. SZABIST will continue to nurture the intellectual and professional skills of our students and assist them in discovering themselves!

**Dr. Azra Fazal Pechuho**  
Chancellor, SZABIST

# Vice-Chairman and Treasurer's Message



SZABIST Trust Annual Report 2018-2019 depicts hard work, dedication and passion of the management, faculty and staff. The institute has further strengthened its position in the field of education with continuous efforts and dedication. In the past two decades, SZABIST has expanded its network and is currently catering to over 18,000 students.

This report extensively reflects the overall achievements of the Institute at both National and International levels. In order to make the education affordable for everyone, the institute offers both merit and need based scholarships to its students. During 2018-2019, SZABIST made substantial financial contribution of approximately Rs. 374 million to support the academic journey of deserving students. Benefits of continuing education and financial support to offspring of employees have been streamlined.

Further, during the year 2018-2019, construction work is going on at a fast pace on the newly acquired building in Karachi with the aim of providing an opportunity for enhancement of knowledge opportunities and further expansion.

SZABIST is a multi-disciplinary institute with a wide range of academic opportunities for talented scholars, scientists, artists, aspiring entrepreneurs and others who have been drawn from all over Pakistan to teach, create and perform in a place where everyone belongs. This has greatly contributed towards materializing the vision of our Founding Chancellor, Shaheed Mohtarma Benazir Bhutto. It is a huge honor for me to be a part of SZABIST and its subsidiaries, recognized for its caliber in education, research and innovation. The report is the consolidation of curricular and co-curricular accomplishments of the year.

The Institute's competency promises exploring variant opportunities and achieving more milestones in every sphere of education in future. I would like to thank and praise Honorable Chancellor, Dr. Azra Fazal Pechuho, President, Ms. Shahnaz Wazir Ali, Members of the Board of Trustees and Board of Governors, management, faculty, staff and students for their dedication and devotion for the fruitful year.

**Mr. Aftab Shahban Mirani**  
Vice-Chairman and Treasurer  
Member of National Assembly  
Former Defence Minister of Pakistan  
Former Chief Minister of Sindh



## President's Message



SZABIST is a close-knit academic community led by committed professionals who are grooming and helping students identify true talent to achieve their greatest aspirations. The Institute strives for academic excellence in all of its programs. Our supremacy lies in nationally recognized academic programs with defined quality indicators. A strong team of highly qualified and experienced management and faculty along with dedicated staff deliver exemplary education.

I am pleased to share that SZABIST performed outstandingly this year as well. The efforts of our faculty and staff are documented in the SZABIST Trust Annual Report 2018-2019. The details provided in this report document the accomplishments as a result of extraordinary teamwork by the Institute's most important asset: the SZABIST community. These achievements are the result of continuous commitment to developing future leaders. The report also provides a distinctive picture of SZABIST's contribution in societal development to all stakeholders.

During the year 2018-2019, eight new programs were introduced in 4 campuses: MS Mechatronics Engineering, BS Biotechnology, PhD Biosciences and B. Ed (1.5 years) at Karachi campus, MS Data Sciences at Islamabad campus, Bachelor of Science in Accounting and Finance at Larkana campus, Bachelor of Science in Accounting and Finance and BS Software Engineering in Hyderabad campus.

Quality standards are meticulously implemented at SZABIST as evident through the association with International Quality Assurance Agencies namely APQN, IQA and Talloires. IR/QEC also scored 93.59% in the quantitative assessment by Quality Assurance Agency (QAA) – HEC, Pakistan for 2018-2019. Furthermore, SZABIST external relation portfolio was enhanced by signing multiple MoUs. The MoUs signed nationally included PSH-Pakistan Sweet Homes, Mistubishi Corporation, Pakistan, Aman Health Care Services, Mehergarh, International Centre for Chemical and Biological Sciences, University of Karachi, Gul Ahmed Textile mills to name a few. SZABIST membership with IAU, ACU, Coventry University, UK, University of London, UK, Chartered Institute of Logistics and Transport (CILT), UK will increase educational opportunities for our students.

In conclusion, I would like to appreciate the work of IR/QEC staff, Ms. Mahwash Imran (Manager IR/QEC) and Ms. Anam Sami (IRO), for preparing such a comprehensive annual report. I am sure that with such professional dedication, SZABIST will continue to impart top-tier education and produce adept and polished leaders.

**Ms. Shahnaz Wazir Ali**  
President, SZABIST

# Secretary Board of Trustees' Message



At SZABIST, we put emphasis on values, leadership and positivity. Delivering quality education, strengthening academic research, developing professionals, nurturing talent and encouraging diversity is our main focus which was anticipated by our Founding Chancellor, Shaheed Mohtarma Benazir Bhutto. Further, SZABIST is reimagining what it is to be a modern and advanced university both in Pakistan and internationally with pioneering research, exceptional teaching methods and a superior academic presence that fosters the globally interconnected perspective that is necessary in our present-day world. The achievements and commitment towards spreading quality education and improving society is published in SZABIST Trust Annual Report 2018-2019. Undoubtedly, it is an honor to present the said report.

SZABIST is following student-centered approach for the improvement of education and Honorable Chancellor Dr. Azra Fazal Pechuho's leadership has enhanced the standard of education and research activities. The institute is successfully operating all the mediums of education ranging from Montessori to Intermediate Colleges and from Vocational Training Institutes to University Campuses. The objectives are to empower youth, eradicate unemployment and poverty and to gather maximum benefits from limited resources. Once achieved, these goals will ultimately boost Pakistan's image internationally.

In addition, SZABIST has provided financial assistance to students in the form of merit and need-based scholarships which encouraged students in getting quality education. Institutional Research/ Quality Enhancement Cell (IR/QEC) of SZABIST has achieved a remarkable ranking of 93.59% by Quality Assurance Agency (QAA), Higher Education Commission (HEC) of Pakistan for the year 2018-2019.

In compliance with the plans to improve infrastructure facilities and further expansion, construction work on the newly acquired premises at 99 building is ongoing and is expected to complete in the coming year.

Finally, I would like to thank Honorable Chancellor, President, Board of Trustees, Board of Governors, management, faculty and staff for their commitment, dedication, trust and hard work. It is a great pleasure to be part of this renowned institution.

**Dr. M. Suleman Shaikh**  
Secretary Board of Trustees

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Vice President, Administration,  
Development and Finance Management  
Member

**Dr. M. Suleman Shaikh**  
Member/Secretary





# 1

CHAPTER

## A Brief Overview of the Activities of SZABIST Trust

# A Brief Overview of the Activities of SZABIST Trust

SZABIST is a manifestation of Shaheed Mohtarma Benazir Bhutto's vision that Pakistan should grow into a self-reliant and technologically advanced country. This journey dates back to 1993 and encompasses academic endeavors that go beyond the urban existence of SZABIST. The following milestones have punctuated the journey.

<p><b>1993</b></p> <p>Reflecting SZABIST Trust's focus on service to the society, it initiated a number of Corporate Social Responsibility (CSR) programs, such as, the Mass Miniature Radiology (MMR) program aimed at early detection of lung diseases amongst children. This program benefited nearly 22,167 children.</p> <p>Another CSR initiative was the SZABIST Medical Technical Assistants (MTA) program for girls. This initiative entailed a 16-month training program in Pharmacy, Pathology/Laboratory, Radiology, and Computer Literacy.</p> <p>The MTA program has graduated 3 batches and the model developed at SZABIST has been adopted by 24 hospitals in 17 districts of Pakistan. So far, SZABIST has issued 117 certificates to girls under this program.</p>	<p>operational again and offered BBA and MBA programs. MSMS, MSCS and MSSS program was initiated at the Islamabad Campus. EMBA was introduced at Dubai Campus.</p>	<p>Campus. Diplomas in Disaster Risk Management, Contract Management, and Project Management were launched at Islamabad Campus. SZABIST Larkana Campus launched MBA-36 Credit Hour program. MSMS was started at Dubai Campus.</p>
<p><b>1995</b></p> <p>SZABIST commenced studies at two campuses by offering degrees in Software Engineering (MSSE) and MBA at the Karachi Campus and BBA and MBA at the Larkana Campus.</p>	<p><b>2005</b></p> <p>BSMS program was launched at Karachi Campus. IMCs in Nawabshah and Mirpurkhas were opened. PhD-MS program was started at the Islamabad Campus.</p>	<p>To encapsulate, SZABIST, in addition to imparting higher education, has initiated programs to fulfill its broader responsibilities towards the society. Moreover, SZABIST inculcates continuous innovation and modernization in the field of academics and envisions Pakistan to be a self-reliant nation.</p>
<p><b>1998</b></p> <p>SZABIST Karachi Campus introduced BBA, Masters degrees and Doctorates in Management Sciences and Computer Sciences.</p>	<p><b>2006</b></p> <p>EMBA program was introduced at the Islamabad Campus.</p>	<p><b>2013</b></p> <p>MPM, BSCS and MSCS were launched at Dubai Campus and BSCS was initiated in Larkana Campus.</p>
<p><b>1999</b></p> <p>BSCS was launched at Karachi Campus.</p>	<p><b>2007</b></p> <p>Programs of BSSS and BABS were introduced at the Karachi Campus and BSSS, MBA-36 and MBA-72 were initiated at the Islamabad Campus.</p>	<p><b>2014</b></p> <p>Montessori and Junior School were established in Mirpurkhas. University of South Wales Top Up Program were introduced.</p>
<p><b>2000</b></p> <p>SZABIST launched Job Skill Training Centers<sup>1</sup> (JSTCs) in the cities of Larkana and Hyderabad. The purpose of these JSTCs is to equip manpower with the necessary skills required to meet market demands, reduce poverty, and empower individuals to generate sustainable income.</p> <p>The SZABIST Islamabad Campus was established with the offering of BSCS.</p>	<p><b>2008</b></p> <p>Programs of MPM, PMBA and PhD-CS were introduced at the Islamabad Campus and BSMS was launched in Dubai Campus.</p>	<p><b>2015</b></p> <p>Programs of MSPM, MS Bio, MPH, MS ELM and PhD ELM were introduced at the Karachi Campus. SZABIST Research Committee initiated its operations.</p> <p>Day Care and Junior School were inaugurated in Hyderabad.</p> <p>An ITVE was established in Khairpur (GAMBAT).</p>
<p><b>2001</b></p> <p>Masters degrees and Doctorates in Social Sciences were introduced at Karachi Campus.</p> <p>A JSTC was set up in Nawabshah. BBA program was initiated at the Islamabad Campus.</p>	<p><b>2009</b></p> <p>SZABIST invested substantial funds in state-of-the-art facilities for conducting cutting-edge research and development. These included the Center for Renewable Energy Research (CRER), the Stem Cell Research Center (SCRC), and a center for renewable energy policy research in Sustainable Development Research Center (SDRC).</p>	<p><b>2017</b></p> <p>Stone foundation ceremony of SZABIST School of Engineering and Applied Sciences took place at Gharo.</p> <p>Programs of BS Accounting and Finance, BS Entrepreneurship and MA Education were introduced at the Karachi campus.</p> <p>ITVE were established in Gharo-Thatta and Sehwan Jamshoro.</p>
<p><b>2002</b></p> <p>The external LLB program of University of London (UoL) commenced studies at Karachi Campus.</p>	<p><b>2010</b></p> <p>Further diversifying its portfolio, SZABIST offered BEME and MSMD at the Karachi Campus.</p> <p>BSAF, MSPM, and MHRM were launched at the Islamabad Campus. MBA-90 program was initiated at Larkana Campus.</p> <p>A JSTC was set up in Tando Mohammad Khan. SZABIST opened a Montessori and Pre-Primary School in Larkana.</p> <p>IR/QEC was established at Karachi Campus to maintain and monitor the quality of academic and non-academic departments of all the four campuses.</p>	<p><b>2018</b></p> <p>Accredited as a Training Provider by the Chartered Institute of Logistic and Transport International to impart one-year International Certificate Course in Logistic and Transport.</p>
<p><b>2003</b></p> <p>SZABIST pioneered Pakistan's first online research journal, Journal of Independent Studies (JISR). BS in Telecommunication was launched at the Islamabad Campus. The SZABIST Dubai Campus was established and offered BBA and MBA programs.</p>	<p><b>2011</b></p> <p>BS Bio and MBA BandF were launched at Karachi Campus.</p> <p>The SZABIST Hyderabad Campus was established and offered BBA, BSCS, MBA-36, MBA-72 and MBA-90 programs. Further, MBA-90 and MSDS programs were initiated at Islamabad Campus.</p>	<p><b>2019</b></p> <p>Further expanding its academic horizon, SZABIST offered MS Mechatronics Engineering, BS Biotechnology, PhD Biosciences and B.Ed (1.5 Years) Secondary at the Karachi Campus. MS Data Sciences was launched at Islamabad Campus.</p> <p>BS Accounting and Finance program was initiated at Larkana Campus.</p> <p>BS Accounting and Finance and BS Software Engineering were launched in Hyderabad Campus.</p>
<p><b>2004</b></p> <p>An Intermediate College (IMC) in Larkana was launched. In 2004, Larkana Campus became</p>	<p><b>2012</b></p> <p>MoA, MPM, and M TVP were launched at Karachi</p>	

\* JSTCs were renamed to ZABTech ITVE

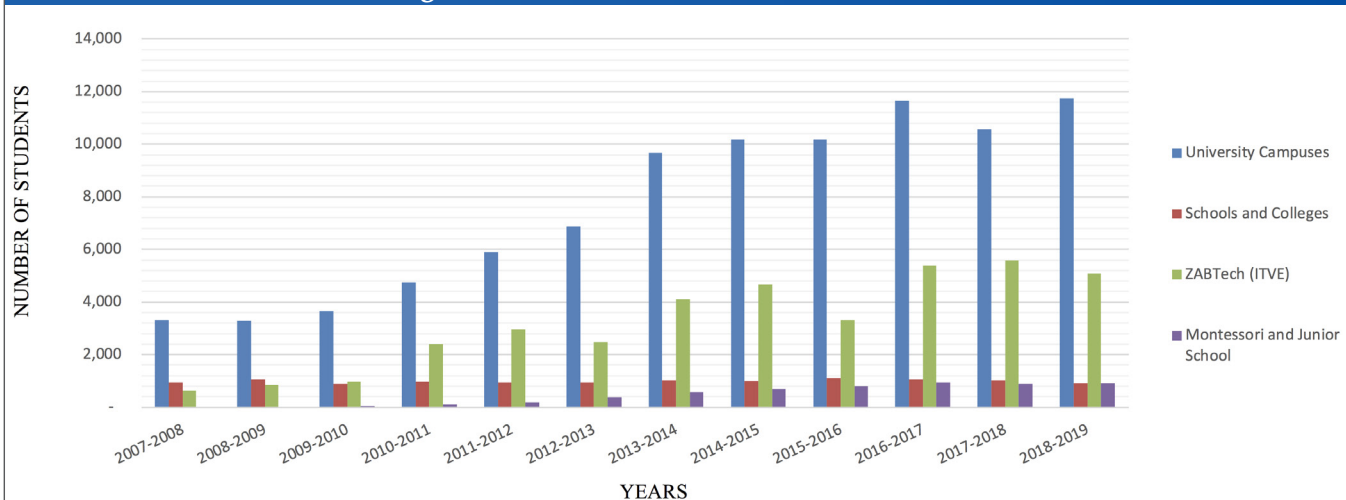
## SZABIST and its Subsidiaries

**Table 1.1 : SZABIST Growth in Enrollment**

Institutes/Schools and Colleges	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
<b>No. of Students</b>												
Karachi Campus	1,650	1,865	2,048	2,816	3,416	3,282	5,789	6,393	6,731	7,458	6,318	6,897
Islamabad Campus	624	913	1,132	1,454	1,507	2,277	2,336	2,127	1,638	2,196	2,069	2,517
Larkana Campus	94	101	114	175	308	387	420	434	449	493	524	574
Dubai Campus	958	426	360	309	404	433	462	488	483	582	531	428
Hyderabad Campus	-	-	-	-	266	504	676	727	870	926	1,113	1,317
<b>University Campuses</b>	<b>3,326</b>	<b>3,305</b>	<b>3,654</b>	<b>4,754</b>	<b>5,901</b>	<b>6,883</b>	<b>9,683</b>	<b>10,169</b>	<b>10,171</b>	<b>11,655</b>	<b>10,555</b>	<b>11,733</b>
Intermediate College Larkana	724	659	477	523	575	577	658	580	715	720	688	578
Intermediate College Benazirabad	78	277	256	279	278	167	89	-	-	-	-	-
Intermediate College Mirpurkhas	138	130	151	155	95	114	161	290	241	219	242	292
Intermediate College T. M. Khan	-	-	-	-	-	92	130	129	151	106	94	41
<b>Schools and Colleges</b>	<b>940</b>	<b>1,066</b>	<b>884</b>	<b>957</b>	<b>948</b>	<b>950</b>	<b>1,038</b>	<b>999</b>	<b>1,107</b>	<b>1,045</b>	<b>1,024</b>	<b>911</b>
ZABTech (ITVE) Hyderabad	215	388	365	759	1,115	883	1,156	1,459	947	1,308	1,079	956
ZABTech (ITVE) Larkana	175	195	243	619	804	796	1,350	1,545	857	1,456	1,872	917
ZABTech (ITVE) Benazirabad	236	278	198	644	679	384	936	1,045	696	1,090	1,013	855
ZABTech (ITVE) Tando M. Khan	-	-	150	-	345	416	662	423	747	895	421	439
ZABTech (ITVE) Khairpur	-	-	-	-	-	-	-	182	68	649	563	517
ZABTech (ITVE) Gharo-Thatta	-	-	-	-	-	-	-	-	-	-	469	573
ZABTech (ITVE) Sehwan Jamshoro	-	-	-	-	-	-	-	-	-	-	173	816
<b>ZABTech (ITVE)</b>	<b>626</b>	<b>861</b>	<b>956</b>	<b>2,382</b>	<b>2,943</b>	<b>2,479</b>	<b>4,104</b>	<b>4,654</b>	<b>3,315</b>	<b>5,398</b>	<b>5,590</b>	<b>5,073</b>
Montessori School and Pre-Primary School Larkana	-	-	44	111	195	373	521	622	680	770	740	733
Montessori School and Pre-Primary School Mirpurkhas	-	-	-	-	-	-	57	69	97	109	105	115
Day-Care and Junior School Hyderabad	-	-	-	-	-	-	-	-	32	49	52	60
<b>Montessori and Junior School</b>	<b>-</b>	<b>-</b>	<b>44</b>	<b>111</b>	<b>195</b>	<b>373</b>	<b>578</b>	<b>691</b>	<b>809</b>	<b>928</b>	<b>897</b>	<b>908</b>
<b>Total</b>	<b>4,892</b>	<b>5,232</b>	<b>5,538</b>	<b>8,204</b>	<b>9,987</b>	<b>10,685</b>	<b>15,403</b>	<b>16,513</b>	<b>15,402</b>	<b>19,026</b>	<b>18,066</b>	<b>18,625</b>

## SZABIST Growth in Enrollment

**Figure 1.1 SZABIST Growth in Enrollment**









# 2

CHAPTER

## SZABIST University Campuses

# SZABIST University Campuses

Presently, SZABIST has five university campuses: Karachi, Islamabad, Larkana, Hyderabad and Dubai (UAE).

## Hierarchy of University Campuses

The senior management of the campuses is as follows:

### Dr. Azra Fazal Pechuho

Dr. Azra Fazal Pechuho is a multi-talented personality. She is a medical doctor by profession, a politician by conviction, and a chancellor with a passion. She acquired her professional education from Dow Medical College and University of Karachi. After the tragic loss of our Founding Chancellor, Shaheed Mohtarma Benazir Bhutto, Dr. Pechuho took over the challenging task of being the Chancellor of SZABIST in 2008, a responsibility that she fulfills with great dedication and commitment. Dr. Pechuho was in the National Assembly of Pakistan from 2002 to 2018. Currently, she is an elected member of the Provincial Assembly of Sindh. In August 2018, she was made the Provincial Minister of Sindh for Health with the additional ministerial portfolio of Population Welfare. Under her leadership, SZABIST rededicated itself to its core mission while enhancing its effectiveness as an institution of higher education.



### Ms. Shahnaz Wazir Ali

Ms. Shahnaz Wazir Ali has an illustrious career as an education specialist, advisor to the Prime Minister, and member of National Assembly. Ms. Wazir Ali holds a Bachelor's degree in Mass Communication from American University, USA (1964) and Master's degree in Education from University of Arkansas, USA (1985). She has completed Diploma in Principal's Certification in Education from Harvard University, USA (1985) and Principal's Certification in Education Administration from Trenton College, USA (1988). She served as a senior specialist at World Bank; held the position of Minister of State for Education, Government of Pakistan; and is on the Board of a number of prestigious national and international organizations, trusts, councils, educational boards, and universities including SZABIST. Ms. Wazir Ali has



represented Pakistan at international conferences and seminars on education, health, women development, population, and poverty alleviation. She has been a champion of numerous social causes in Pakistan such as education for all, women's rights, polio eradication, and is the President of the Population Association of Pakistan. Also, she was honored with Sitara-e-Imtiaz. Currently, Ms. Wazir Ali is the President SZABIST and has been ensuring that the quality practices are further enhanced under her guidance.

### Dr. Altaf Mukati

Dr. Altaf Mukati, Vice-President Academics and Dean Computing and Engineering Sciences earned his B.E in Electronic Engineering in 1980, MS in Computer Engineering from Boston University USA in 1987 and Split PhD in Computer Engineering from USA/Pakistan. Dr. Mukati worked at SUPARCO for 17 years. He also has immense experience of National Projects such as Sounding Rockets and BADR-B Satellite. Moreover, Dr. Mukati worked for 8 years at Hamdard University as an HOD and 5 years as Professor and Dean of Engineering Sciences at Bahria University. Utilizing his vast knowledge and exposure, Dr. Mukati authored 4 Books and published 22 Research Papers. Additionally, he received a Gold Medal from South Asia Publications on one of his books published by Higher Education Commission (HEC), Pakistan in 2007. He is an HEC approved Research Supervisor and has also received the Best University Teacher Award 2010 by HEC. Dr. Mukati has been a member of several national and international committees and is a member and expert of Pakistan Engineering Council.



### Ms. Nasreen Haque

Ms. Nasreen Haque is currently the Vice-President Development and Finance at SZABIST. She has 38 years of experience as a government employee and retired from the position of Federal Secretary to the President of Pakistan. Ms. Haque holds a Bachelor's Degree in Law, Master's Degree in Defense and Strategic Studies, and has done her post-graduation in Transport Studies. She is a Fellow of the Chartered Institute of Logistics and Transport and has received numerous trainings at prestigious national institutes of which the most prominent have been John F. Kennedy School of Government, Harvard University, the Canadian Pacific Railways and the British Railways. Moreover, during her tenure, Ms. Haque has worked in key administrative positions managing multidimensional organizations such as Chairperson of the Karachi Port Trust, Managing Director Karachi Urban Transport Corporation,

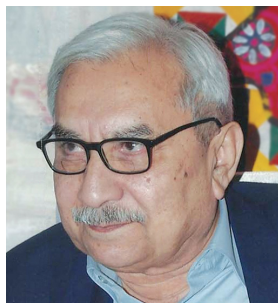




Secretary Board of Trustees Port Qasim Authority, Director General Export Promotion Bureau, Chief of Operations and Commercial Management Pakistan Railways.

#### **Dr. M. Suleman Shaikh**

Dr. Suleman Shaikh obtained his medical degree from Liaquat Medical College, Jamshoro and Post-Graduation from King Edwards Medical College, Lahore and earned MS from Karachi University and has worked for the Jinnah Post Graduate Medical Centre, Karachi. He has worked for numerous developmental and philanthropic causes and is a member of Pakistan Center for Philanthropy, Sindh Rural Support Organization, Pakistan Poverty Alleviation Fund, Sindhi Language Authority, and Sindh Education City Board. He has written a number of books in Sindhi and numerous articles on community development and poverty. Dr. Shaikh became the Secretary, Board of Trustees, SZABIST, in January 2000, and prior to that he was a member of the Board of Trustees.



#### **Mr. Khusro Pervaiz Khan**

Mr. Khusro Pervaiz Khan was appointed as Head of SZABIST Islamabad Campus in Fall 2015. He holds a Master degrees in Zoology and Economics, and has been trained in Public Policy and Administration from the Kennedy School of Government (USA) and the National Management College, Lahore. Previously, he served as the Additional Secretary Cabinet Division Government of Pakistan and was a senior civil servant. Mr. Khusro Pervaiz has vast experience of Administration and Management and has worked on important assignments as Director General National Commission for Human Development, Commissioner Lahore, Home Secretary Punjab, Secretary Tourism, Secretary Forest, Head of District Management Larkana, Khairpur, Karachi Central, Karachi East, Mianwali and Sheikhpura District.



#### **Dr. Zahida Abro**

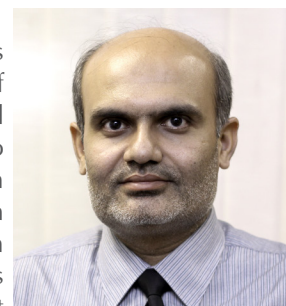
Dr. Zahida Abro was appointed as Head of Campus Larkana in Fall 2016. Dr. Abro acquired her MS and PhD degrees from SZABIST Karachi. She has been associated with SZABIST Larkana Campus since 1997. Previously, she worked as an Assistant Professor and BBA Program Manager (Management Sciences). In addition, she



is Head of Research Centre Larkana, Member BOS (SZABIST Karachi), Member of Faculty and Staff Selection Committees, Chair of various other Campus Committees and Senior Research Advisor for BBA and MBA research projects. She has a good number of publications in the field of Management Sciences.

#### **Mr. Jawad Khoso**

Mr. Jawad Raza Khoso was appointed as the Head of Campus of SZABIST Hyderabad in November 2013. Mr. Khoso post-graduated with an MBA in Finance and Marketing from University of Sindh, Jamshoro in 2000. Apart from having 10 years of teaching experience, at university level, he has remained at different managerial and executive positions in the banking and finance sector. As a professional banker, he has obtained prestigious professional qualifications of banking sector and is an Associate of Institute of Bankers Pakistan. During his tenure, he has improved the quality and standard of education and expanded the campus through his extraordinary leadership skills.



#### **Prof. Dr. Hummayoun Naeem**

Prof. Dr. Hummayoun Naeem took over the charge of Head of Campus of SZABIST Dubai in March, 2019. He is an Exeter University (UK) MBA, received his PhD in Management Science from Foundation University, Islamabad. He has also received his Post Doctorate from Turkey. During his PhD, he developed and empirically tested a Quality Management Model for Commercial Branch Banking Operations. The said research got acknowledged and recognized as an independent school of thought in Management Science by The Croatian Economics Research Journal. Apart from this, Dr. Naeem's research work, published in the journals of international repute, is being cited around the world. He has substantial exposure to industry (Commercial Banking) and academia at undergraduate and postgraduate level that strengthens his international standing as an Applied Business Researcher. He is an author of a book that has been published by Lambert Publishing, Germany. He has presented his research papers at reputed international forums and has received Best Research Paper Awards mainly from USA, Sweden, Thailand and Pakistan. During December 2013, Dr. Naeem received eighth award of his career i.e. UNESCO Best Teacher Award - 2013. He has been nominated for President's Civil Award in Pakistan during 2014.



# A SZABIST Karachi Campus

## I. Introduction

SZABIST Karachi Campus was established in 1995. The institute is diligently working to achieve the vision of the Founding Chancellor, Shaheed Mohtarma Benazir Bhutto, which is to be a world class institute recognized globally for its excellence in education, research, development and distinction in service.



Initially, only 2 degree programs were offered at the campus but today the institute is offering 31 degree programs in the fields of Management Sciences, Computer Sciences, Mechatronics Engineering, Social Sciences, Law, Media Sciences, Life Sciences and Education along with certificate courses and international programs.

During 2018-2019, 26 full-time faculty members including 6 PhDs were hired.



Given below are the summary statistics of the campus for 2018-2019:

**Table 2.1: SZABIST Karachi Campus-  
Students and Faculty 2018-2019**

Total Number of Students	6,897	
Total Number of Graduates (to date)	9,448	
Admissions 2018-2019	Applicants	Admitted
BBA	2,017	279
BSAF	439	87
BSEntr	70	42
MBA (Day and Evening)	727	361
MBA B&F	26	20
EMBA	52	28
MPM	80	42
MSPM	49	23
MSMS	39	20
PhD MS	26	6
BSCS	694	238
MSCS	66	28
PhD CS	3	0
BMS	250	104
MoA	36	27
MSMD	8	6
BSSS	238	120
MSSS	40	29
PhD SS	7	6
BEME	160	57
MSME	2	0
BS Bio	85	48
BS Biotech*	84	41
MPH	91	72
MS Bio	21	12
PhD Bio*	6	4
B.Ed (1.5 Years) Secondary*	8	7
MA Edu	46	34
MS ELM	37	17
PhD ELM	23	15
LLB (University of London)	191	100
BABS	120	77
Acceptance Rate (%)	34%	
Total Admissions	1950	
Full-Time Faculty	123	
Adjunct Faculty	14	
Biannual admissions were conducted for BS Biosciences, BS Biotechnology, B.Ed, MA Education, MS and PhD ELM.		
*New Programs introduced in Fall 2018.		

## II. Deans, Heads of Departments, Program Managers, and Senior Faculty

### Dr. Muhammad Altaf Mukati

Vice President (Academics)  
Dean Computing and  
Engineering Sciences



### Dr. Imran Amin

Head of Department  
Computer Sciences



### Dr. Adeel Ansari<sup>1</sup>

Program Manager  
PhD Computer Science  
and Editor JISR©



### Mr. Shahzad Haroon

Program Manager  
MS Computer Science



### Mr. Asim Riaz

Program Manager (Year 3 and 4)  
BS Computer Science



### Ms. Faria Jameel

Program Manager (Year 1 and 2)  
BS Computer Science



### Dr. Husnain Mansoor

Faculty Computing Sciences



### Dr. Faraz Junejo

Head of Department Mechatronics



### Mr. Aneel Ahmed

Program Manager  
BE Mechatronics



### Dr. Ahmad Hussain

Director ORIC  
Faculty Mechatronics



### Dr. Raza Akbar

Faculty Mechatronics



1- Dr. Adeel Ansari joined SZABIST in Fall 2018.



**Dr. Aamir Firoze Shamsi<sup>2</sup>**  
Dean Management Sciences



**Ms. Shehla Najib Siddiki**  
Program Manager  
BA in Business Studies



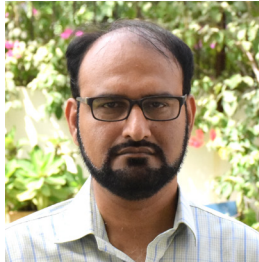
**Dr. Muhammad Kashif**  
Head of Department  
Management Sciences  
Editor and In-Charge  
Publications of Research Journals



**Ms. Wajeeha Fatima Javed**  
Head of Student Support Services  
Program Manager  
BBA (Year 3rd and 4th)



**Dr. Muhammad Aqil**  
Program Manager  
MS and PhD Management Sciences



**Mr. Fahad Zuberi**  
Program Manager  
BBA (Year 1 and 2)



**Mr. Jamil Ahmed**  
Program Manager  
EMBA



**Dr. Jawaid Ahmed Qureshi**  
Faculty Management Sciences  
Secretary BASR



**Mr. Vijay Kumar**  
Program Manager  
MBA (Evening)



**Dr. Manzoor Ali Isran**  
Faculty Management Sciences



**Mr. Masood Ahmed**  
Program Manager  
MBA (Day) / BBS (Day)/  
BS Accounting and Finance/  
BS Entrepreneurship



**Dr. Kamran Ahmed**  
Faculty Management Sciences



2- Dr. Aamir Firoze Shamsi replaced Dr Kaiser Bangli as Dean Management Sciences in Spring 2019.

**Dr. Hameed Akhtar**  
Faculty Management Sciences



**Dr. Riaz Ahmed Shaikh**  
Dean of Social Sciences and  
Education Department,  
Head of Department Social Sciences,  
Program Manager  
MS and PhD Social Sciences,  
Head of Doctoral Committee



**Dr. Salman Ahmed Shaikh**  
Faculty Management Sciences



**Mr. Syed Muhammad Ali Shah**  
Program Manager  
BS Social Sciences



**Dr. Syed Hasnain Alam Kazmi**  
Faculty Management Sciences



**Dr. Mehak Ejaz**  
Faculty Social Sciences



**Dr. Jameel Ahmed**  
Faculty Management Sciences



**Dr. Mudassar Aziz**  
Faculty Social Sciences



**Dr. Kaiser Bengali**  
Faculty Management Sciences



**Dr. Erum**  
Faculty Social Sciences



**Mr. Farhan Ahmed**  
Faculty Management Sciences  
Managing Editor JISR – MSSE



**Dr. Naheed P. Malbari**  
Faculty Social Sciences





**Dr. Sana Hussain**  
Faculty Social Sciences



**Dr. Najmonnisa**  
Head of Department Education



**Dr. Mian Muhammad Umair Rafiq**  
Faculty Social Sciences



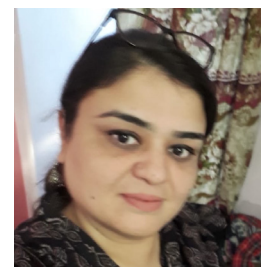
**Dr. Ghazala Rahman Rafiq**  
Director Sindh Abhyas Academy  
Faculty Education



**Dr. Alam Raza**  
Faculty Social Sciences



**Dr. Kiran Hashmi<sup>4</sup>**  
Faculty Education



**Dr. Saleem Raza Baig**  
Faculty Social Sciences



**Ms. Sadiya Azeem Durani**  
Faculty Education



**Dr. Bela Nawaz**  
Faculty Social Sciences



**Nadira Zaidi**  
Program Manager Languages



**Dr. Zafar Iqbal Zahid<sup>3</sup>**  
Faculty Social Sciences



**Mr. Taimur Suri**  
Acting Head of Department  
Media Sciences



03- Dr. Zafar Iqbal Zahid joined SZABIST in Fall 2018  
04- Dr. Kiran Hashmi joined SZABIST in Spring 2019

**Ms. Syeda Mehwish Zara Zadi**  
Program Manager  
BS Media Sciences



**Dr. Hamad Afzal Kayani**  
Program Manager  
MPH and MS Biosciences



**Mr. Baber Naeem Sheikh**  
Faculty Media Sciences



**Dr. Jaishri Mehraj**  
Faculty Biosciences



**Mr. Ghulam Us Suqlan Zaidi**  
Faculty Media Sciences



**Dr. Saira Yahya**  
Faculty Biosciences



**Mr. Irfan Kheiri**  
Faculty Media Sciences



**Dr. Mohammad Yawar Yakoob<sup>5</sup>**  
Faculty Biosciences



**Dr. Sara Wahid**  
Faculty Media Sciences



**Mr. Mehernosh Minoo**  
Faculty Member / Head of RTC



**Dr. Kashif Ali**  
Head of Department Biosciences,  
Head of Research Committee and  
Program Manager BS



05- Dr. Mohammad Yawar Yakoob joined SZABIST in Spring 2019



### III. Library and Computing Resources

The library and computing resources at Karachi campus are well maintained and frequently updated. The library contains approximately 15,234 printed books along with access to many online journals. The computer labs are equipped with 322 desktop computers with access to high-value licensed softwares.

Details of these resources are available in Tables 2.2 and 2.3 in the Tables Annexure B<sup>6</sup>.

### IV. Admissions, Orientation and Convocation 2018-2019

SZABIST Karachi campus conducts its admissions annually during May-July. However, biannual admissions are carried out for some programs. The admission process includes a computerized test, interview and orientation for successful candidates. The admission campaign for Fall 2018 was initiated in May 2018, followed by a test and interview in June-July 2018. While, the admission campaign for Spring 2019 was initiated in November 2018, followed by a test and interview in January 2019.

SZABIST's Student Orientation Program was held on August 29-30, 2018. The program was organized by SZABIST and facilitated and supported by Faculty, Staff members and SZABIST Student Council (SSC) c/o Department of Student Affairs Advisory. This year approximately 2,000 students were enrolled at SZABIST and welcomed at the Orientation Ceremony.

The two-day event included presentation sessions by Program Managers and Faculty members who introduced newly admitted students to their prospective degree programs and associated academic guidelines, norms and expectations. Students were also introduced to different departments at SZABIST including Student Affairs Advisory, Executive Development Centre (EDC), Finance, Office of Research, Innovation and Commercialization (ORIC), Sindh Abhyas Academy and External Relations and Financial Assistance (ERFA).

A campus tour was also held during which students were shown facilities such as media rooms, libraries, laboratories, auditoriums, cafeterias and other venues.

Many recreational activities were also organized for the students including game competitions, music corner and photo booth to encourage participation and familiarize students with SZABIST.



The 15<sup>th</sup> Annual Convocation of the Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST) Karachi was held on December 1, 2018 at the PAF Convention Centre. Chief Guest of the occasion was Mr. Hussain Dawood, Founder and Chairman of Karachi School of Business and Leadership. He also serves as Chairman of the Board of Engro Corporation and Dawood Hercules Corporation Limited.

Madam Chancellor, Dr. Azra Fazal Pechuho opened the Convocation and Vice President Academics Professor Dr. M. Altaf Mukati conferred 528 Bachelor degrees, 540 Masters



degrees and 1 PhD degree. BoT Member Ms. Aseefa Bhutto presented Memento of Appreciation to the Chief Guest. 11 Gold Medals, 9 Silver Medals were awarded and 93 students' names were placed on the "Chancellor's Honor List" for securing CGPA equal to or greater than 3.50.





# B SZABIST Islamabad Campus

## I. Introduction

SZABIST Islamabad Campus started its operations in 2000 with the offering of only 3 programs. The Campus has shown remarkable growth during its tenure and is currently offering 19 degree programs along with distinct diploma courses and executive programs in the disciplines of Management Sciences, Computer Science, Social Sciences, Media Science, Development Studies and Project Management. Up till now 5035 graduates have successfully completed their programs. Moreover, more than 2500 students have been enrolled at the campus.



During the year 2018-2019, the number of full time faculty members surged to 81 including 37 PhDs.

The statistics summary of the campus for 2018-2019 is stated below:

**Table 2.4: SZABIST Islamabad Campus – Students and Faculty 2018 - 2019**

Total Number of Students	2,517	
Total Number of Graduates (to date)	5,035	
Admissions 2018-2019	Applicants	Admitted
BBA	434	188
BSAF	129	68
BSCS	343	168
BSSS	173	101
BMS	168	95
BSSE	200	98
MBA-Day (36 Credit Hours)	84	45
MBA-Eve (36 Credit Hours)	116	73
MBA-Eve (72 Credit Hours)	45	18
EMBA (2-Year)	78	43
PMBA (1-Year)	8	1
MHRM	26	15
MPM	187	134
MSPM	304	211
MSCS	86	34
MSMS	97	55
MSSS	35	12
MSDS	24	19
MS Data Sci	88	47
MS Sociology	8	0
PhD CS	0	0
Phd MS	16	2
Acceptance Rate (%)	54%	
Total Admissions	1,427	
Full Time Faculty	81	
Adjunct Faculty	68	

## II. Program Managers and Senior Faculty

### Dr. Muhammad Asif Khan

Head of Department  
Program Manager  
MS (Management Sciences)



### Dr. Mehboob Ahmad

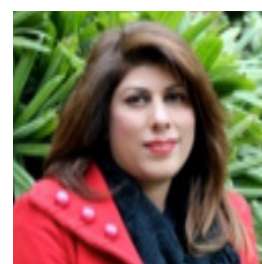
Program Manager  
PhD Management Sciences



**Mr. Amer Riaz Qureshi**  
Assistant Professor  
Program Manager  
MS Project Management



**Dr. Shazia Akhtar<sup>10</sup>**  
Program Manager  
EMBA and MHRM



**Mr. Ahmed Aslam**  
Program Manager  
MPM



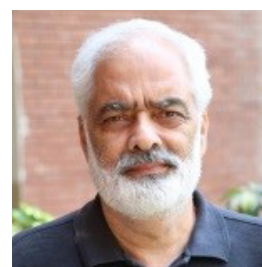
**Mr. Zeeshan Hamid**  
Program Manager  
BS Accounting and Finance



**Mr. Ali Moin**  
Program Manager  
MBA 36, 72 and 90 credit hours  
(Evening)



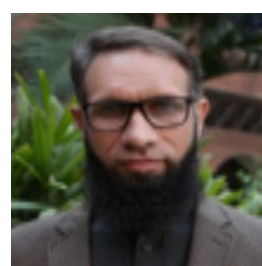
**Dr. M. Daniel Saeed Pirzada**  
Faculty Management Sciences



**Mr. Atif Bilal<sup>7</sup>**  
Program Manager  
MBA (Evening)



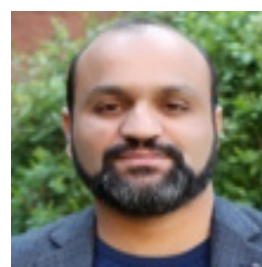
**Dr. Muhammad Zeb Khan<sup>11</sup>**  
Faculty Management Sciences



**Dr. Shumaila Zeb<sup>8</sup>**  
Program Manager  
BBA



**Dr. Amir Zeb Abbasi<sup>12</sup>**  
Faculty Management Sciences



**Mr. M. Nabeel Farooq<sup>9</sup>**  
Program Manager  
MBA (Day)



**Dr. Iffat Rasool<sup>13</sup>**  
Faculty Management Sciences



07- Dr Atif Bilal replaced Dr. Shahid Bashir Rasool and Mr. Ali Moin as Program Manager MBA Evening  
08- Dr. Shumaila Zeb replaced Dr. Khansa Zaman and Dr. Fuwad Bashir as Program Manager of BBA in Spring 2019.

09- Mr. Nabeel Farooq replaced Dr. Fuwad Bashir as Program Manager of MBA (Day) in Spring 2019.  
10- Dr. Shazia Akhtar was appointed as Associate Professor in Fall 2018. She replaced Dr. Atif Bilal as

Program Manager of EMBA and MHRM in Spring 2019.

11- Dr. Muhammad Zeb Khan appointed as Associate Professor in Fall 2018.

12- Dr. Amir Zeb Abbasi joined SZABIST as Assistant Professor in Fall 2018.

13- Dr. Iffat Rasool joined SZABIST as Assistant Professor in Fall 2018



**Dr. Ayesha Noor**  
Faculty Management Sciences



**Dr. Faryal Razzaq**  
Faculty Management Sciences



**Dr. Muhammad Naveed**  
Faculty Management Sciences



**Ms. Saima Saleem<sup>14</sup>**  
Faculty Management Sciences



**Ms. Khansa Zaman**  
Program Manager  
BBA (4<sup>th</sup> Year) / MBA 36 credit  
hours (Day)



**Mr. Bilal Ahmad**  
Faculty Management Sciences



**Dr. Fuwad Bashir Awan**  
Faculty Management Sciences



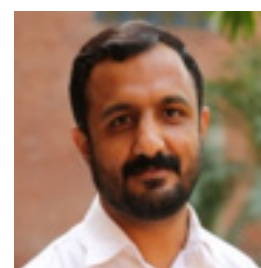
**Syed Shahwar Hussain**  
Faculty Management Sciences



**Mr. Sanaullah Ansari**  
Faculty Management Sciences



**Mr. Khalid Abdul Ghafoor**  
Faculty Management Sciences



**Mr. Ahmed Ali Qureshi**  
Faculty Management Sciences/  
Student Advisor



**Ms. Rubina Mazhar<sup>15</sup>**  
Faculty Management Sciences



14- Ms. Saima Saleem appointed as Lecturer in Fall 2018.

15- Ms. Rubina Mazhar appointed as Lecturer in Fall 2018.

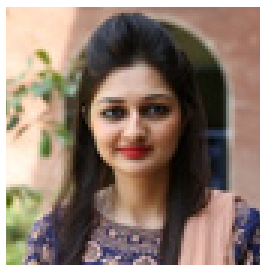
**Mr. Aziz Ahmed Chaudhry**  
Faculty Management Sciences



**Dr. Mobeen Ur Rehman**  
Faculty Management Sciences



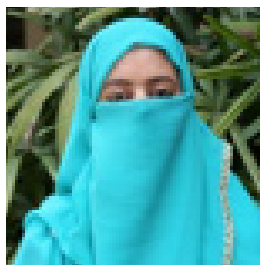
**Ms. Sana Mumtaz**  
Faculty Management Sciences



**Mr. Hassan Zada**  
Faculty Management Sciences



**Ms. Samina Islam**  
Faculty Management Sciences



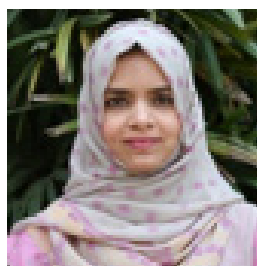
**Mirza Nasir Jahan Mehdi**  
Faculty Management Sciences



**Mr. Zohaib Khan<sup>16</sup>**  
Faculty Management Sciences



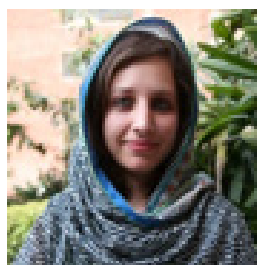
**Ms. Sundas Azeem**  
Faculty Management Sciences



**Dr. Shahid Bashir Rasool<sup>17</sup>**  
Faculty Management Sciences



**Ms. Nayyab Javed**  
Faculty Management Sciences



**Mr. Muddasar Ghani Khwaja**  
Faculty Management Sciences



**Dr. Muhammad Usman**  
Head of Computer Science  
Program Manager  
PhD Computing



16- Mr. Zohaib Khan was associated with SZABIST till Spring 2019.

17- Dr. Shahid Bashir was associated with SZABIST till Spring 2019.

**Dr. Azhar Mahmood<sup>18</sup>**  
Program Manager  
MS (Data Science)



**Mr. Shahzad Latif**  
Faculty Computer Science



**Dr. Muhammad Imran<sup>19</sup>**  
Program Manager  
MS (Computer Science)



**Dr. Naeem Ahmed Khan<sup>23</sup>**  
Faculty Computer Science



**Dr. Tazeen Athar<sup>20</sup>**  
Program Manager  
BS (Computer Science)



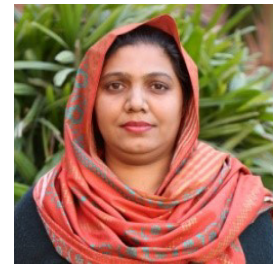
**Mr. Muhammad Nadeem Khokhar**  
Faculty Computer Science



**Syed Muhammad Usman<sup>21</sup>**  
Program Manager  
BS (Software Engineering)



**Dr. Saba Riaz**  
Faculty Computer Science



**Mr. Zubair Ahmed**  
Faculty Computer Science



**Ms. Farah Younas**  
Faculty Computer Science



**Dr. Mohammad Rashid Salaria<sup>22</sup>**  
Faculty Computer Science



**Mr. Irfan Azam**  
Faculty Computer Science



18- Dr. Azhar Mahmood became Program Manager of Data Science in Spring 2019.  
19- Dr. Muhammad Imran replaced Dr. Azhar Mahmood as Program Manager of MS (Computer Science) in Spring 2019.  
20- Dr. Tazeen Athar replaced Mr. Muhammad Nadeem Khokhar as Program Manager of BS (Computer Science) in Spring 2019.

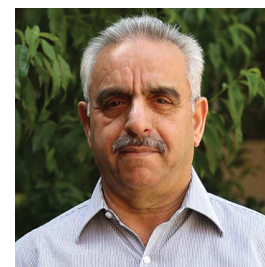
21- Syed Muhammad Usman became Program Manager of BS (Software Engineering) in Spring 2019.  
22- Dr. Mohammad Rashid Salaria was associated with SZABIST till Spring 2019.  
23- Dr. Naeem Ahmed Khan was associated with SZABIST till Spring 2019



**Ms. Uzma Bibi<sup>24</sup>**  
Faculty Computer Science



**Dr. Taraq Waheed**  
Head of Social Science  
Program Manager  
MS (SS)



**Dr. Danish Mehmood<sup>25</sup>**  
Faculty Computer Science



**Dr. Abdul Razzaq<sup>30</sup>**  
Program Manager  
MS (DS)



**Dr. Muhammad Bilal Qureshi<sup>26</sup>**  
Faculty Computer Science



**Ms. Aliya Abdul Hayee<sup>31</sup>**  
Program Manager  
BSSS



**Mr. Muhammad Usman Ali<sup>27</sup>**  
Faculty Computer Science



**Dr. Muhammad Farooq Solangi**  
Faculty Social Sciences



**Mr. Muhammad Qasim<sup>28</sup>**  
Faculty Computer Science



**Dr. Rashida Qureshi**  
Faculty Social Sciences



**Ms. Maryam Sajjad<sup>29</sup>**  
Faculty Computer Science



**Dr. Riffat Sardar**  
Faculty Social Sciences



24- Ms. Uzma Bibi was associated with SZABIST till Spring 2019.

25- Dr. Danish Mehmood appointed as Assistant Professor in Fall 2018.

26- Dr. Muhammad Bilal Qureshi appointed as Assistant Professor in Fall 2018.

27- Mr. Muhammad Usman Ali appointed as Lecturer in Fall 2018.

28- Mr. Muhammad Qasim appointed as Assistant Professor in Fall 2018.

29- Ms. Maryam Sajjad appointed as Assistant Professor in Fall 2018.

30- Dr. Abdul Razzaq replaced Dr. Taraq Waheed as Program Manager of MSDS in Spring 2019.

31- Ms. Aliya Abdul Hayee replaced Dr. Taraq Waheed as Program Manager of BSSS in Spring 2019.

**Dr. Abdur Rashid<sup>32</sup>**  
Faculty Social Sciences



**Mr. Wajid Zulqarnain**  
Program Manager  
Bachelor of Media Sciences



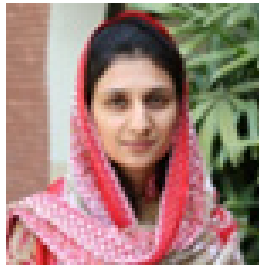
**Mr. Wajid Hussain**  
Faculty Social Sciences



**Ms. Iffat Ali Aksar**  
Faculty Media Science



**Ms. Sana Mukhtar**  
Faculty Social Sciences



**Ms. Amna Zareef**  
Faculty Media Sciences



**Mr. M. Abo ul Hassan Rashid**  
Faculty Social Sciences



**Mr. Naveed Ullah Hashmi**  
Faculty Media Sciences



**Syed M. Usman Masood**  
Faculty Social Sciences



**Ms. Huma Maqsood**  
Faculty Social Sciences



### III. Library and Computing Resources

SZABIST Islamabad Campus has effectively maintained and timely upgraded computer and library resources by adopting contemporary technology and be at the cutting edge of Information and Communications Technology (ICT). The library has over 15,402 books of various disciplines and the computer labs are well-equipped with 398 computers.

Details of the aforementioned resources are shown in Tables 2.5 and 2.6 in Annexure B<sup>33</sup>.

32- Dr. Abdur Rashid appointed as Assistant Professor in Spring 2019.  
33- See Annexure-B on Page #000



#### IV. Admissions, Orientation and Convocation 2018-2019

The admissions at SZABIST Islamabad campus take place biannually in June – July for Fall semester and January – February for Spring semester. Candidates have to go through a consistent and effective process including computerized admission test and interview. The Orientation Ceremonies were organized to welcome newly admitted students so that they can be familiarized with their respective program faculty, program managers and staff. Also, students are acquainted with SZABIST policies and procedures.



The Orientation Ceremony for Fall 2018 was held on September 3<sup>rd</sup> and 7<sup>th</sup>, 2018 at SZABIST Islamabad Campus. The Head of Campus along with Faculty and Staff welcomed 843 newly enrolled students of Bachelors, Masters, M. Phil and PhD level. The students met their respective Program Managers and discussed queries related to their respective programs.





The Orientation Ceremony for Spring 2019 took place on January 28<sup>th</sup> and February 2<sup>nd</sup>, 2019 at SZABIST Islamabad Campus in which 584 new students were welcomed. A brief introduction about SZABIST, its Programs, Faculty, Staff and about rules and regulations of the university were communicated to newly inducted students.

The 9<sup>th</sup> Convocation was held on March 26<sup>th</sup>, 2019 at Pak China Friendship Center, Islamabad. The Chief Guest of the event was Dr. Ayub Alvi. He congratulated the 555 graduates, presented 24 meritorious students with gold and silver medals, and encouraged students to exercise true potential and make Pakistan proud.







# C SZABIST Larkana Campus

## I. Introduction

SZABIST Larkana Campus is one of the growing campuses of SZABIST located at the center of the city. SZABIST Larkana offers degrees in two disciplines: Computing Sciences and Management Sciences. Under Management Sciences, the Campus offers BBA, BSAF and MBA programs whereas in Computing Sciences, it offers BSCS. These cutting edge programs offer latest knowledge in respected fields with emphasis on scientific research and intellectual stimulation.



In 2018-2019, the actual number of enrolled students was 574 and total 740 students have graduated since the campus' inception. Further, in Management Sciences Department, 3 faculty members were also recruited at Larkana campus during the year 2018-2019.

**Table 2.7: SZABIST Larkana Campus  
Students and Faculty 2018-19**

Total Number of Students	574	
Total Number of Graduates (to date)	740	
<b>Admissions 2017-2018</b>	<b>Applicants</b>	<b>Admitted</b>
BBA	181	98
BSAF	36	18
BSCS	76	42
MBA (90 Eve)	46	26
MBA (36 Eve)	23	11
<b>Acceptance Rate (%)</b>	<b>53.87%</b>	
<b>Total Admitted Students</b>	<b>195</b>	
Full-Time Faculty	20	
Visiting Faculty	34	

## II. Program Managers and Senior Faculty

**Dr. Zahida Abro**  
Head of Campus



**Mr. Naveed Anwer**  
Head of Department  
Management Sciences  
Program Manager MBA



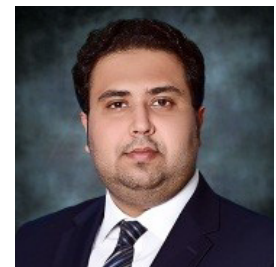
**Mr. Shoaib Ali Shah**  
Program Manager  
BBA



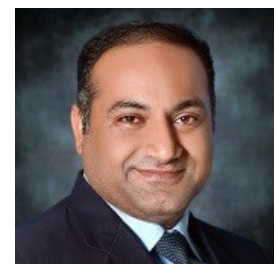
**Mr. Vickram Talreja**  
Faculty Management Sciences



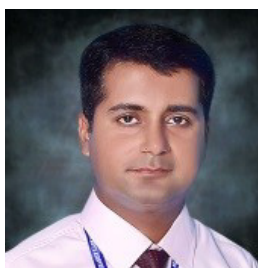
**Mr. Imran Khan Junejo**  
Faculty Management Sciences



**Mr. Jalil Ahmed Thebo**  
Faculty Management Sciences



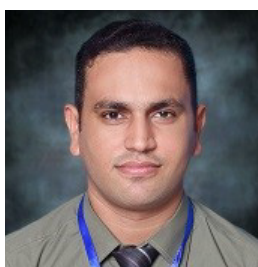
**Mr. Qasim Ali Shah**  
Faculty Management Sciences



**Ms. Aiman Rasheed**  
Faculty Management Sciences



**Mr. Jameel Ahmed Khan**  
Faculty Management Sciences



**Mr. Bisharat Chang**  
Faculty Management Sciences



**Ms. Urooj Aftab Mughal**  
Faculty Management Sciences



**Mr. Qasim Raza**  
Faculty Management Sciences



**Mr. Raza Ali**  
Faculty Management Sciences



**Mr. Moiz Karim Khan**  
Faculty Management Sciences



**Mr. Juned Ali Shah**  
Faculty Management Sciences



**Dr. Farooq Ahmed**  
Faculty Management Sciences



**Mr. Majid Hussain**  
Faculty Management Sciences



**Mr. Safeer Ahmed**  
Faculty Management Sciences





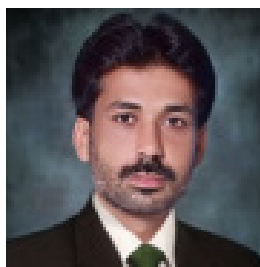
**Mr. Muhammad Bux Soomro**  
Head of Department Computer  
Science and Program Manager  
BSCS



**Mr. Maqsood Ali**  
Faculty Computer Science



**Mr. Abdul Khalique**  
Faculty Computer Science



**Mr. Iftikhar Ahmed Umrani**  
Faculty Computer Science



### III. Library and Computing Resources

Computing and Library resources of SZABIST Larkana campus are well-maintained and updated with latest books on a regular basis. The library of the campus is enriched with more than 3500 books, 4675 e-books, and 300 research reports. Moreover, the computer labs of the campus comprises of over 147 Desktop computers. In order to enhance students' learning experience and improve quality education additional labs have been established and Internet service has been made accessible at the campus.

Details of the resources have been given in Table 2.8 and 2.9<sup>34</sup>.

### IV. Admissions, Orientation and Convocation 2018-2019

At SZABIST Larkana Campus, admissions are held bi-annually i.e. in August (Fall semester), and in January (Spring semester), respectively. The admission process comprises of computerized test, interview and orientation. The first bi-annual Orientation (Fall 2018) was organized on September 1<sup>st</sup>, 2018. The Head of Campus, Dr. Zahida Abro spoke to students about SZABIST values and urged students to work hard in their new scholastic journey with SZABIST Larkana.

The second bi-annual Orientation (Spring 2019) was held on February 2<sup>nd</sup>, 2019 at the Campus. The Head of Campus, HoDs, Program Managers, Faculty and Staff welcomed new students. The Head of Campus Dr. Zahida Abro, spoke to students about SZABIST policies and culture. She enlightened the new intake about SZABIST vision, mission and core values.



Under the leadership of Dr. Zahida Abro, Larkana campus successfully planned, organized and executed the 13<sup>th</sup> Convocation on March 1<sup>st</sup>, 2019. In total, 89 students graduated in this convocation and more than 500 guests participated along with the members of press and media.



Admissions Open  
Apply Before: 5<sup>th</sup> January 2019

"Scholarships Are Available"

Contact:  
074-4752890-3



# D SZABIST Hyderabad Campus

## I. Introduction

SZABIST Hyderabad Campus was established in 2011. Over several years, the campus has been growing, in both capacity and number of students. The campus is recognized by Higher Education Commission (HEC), Pakistan. Further, BSCS program is accredited by NCEAC-National Computing Education Accreditation Council. The campus offers 6 programs in two major disciplines; Management Science and Computer Science. Until now, 579 graduates have successfully completed their degrees and the campus has 1317 enrolled students.



During the year 2018-2019, the number of full-time faculty members increased to 29 including 7 PhDs. The campus has 41 skilled and capable staff members who are supporting different academic activities.

**Table 2.10: SZABIST Hyderabad Campus - Students and Faculty 2018-2019**

Total Number of Students	1,317	
Total Number of Graduates (to date)	579	
<b>Admissions 2018-2019</b>	<b>Applicants</b>	<b>Admitted</b>
BBA	437	255
BSAF	28	20
BBS	15	7
BS Computer Science	97	57
BS Software Engineering	69	50
MBA (36) + Continuation	61	47
MBA (72)	23	12
<b>Acceptance Rate (%)</b>	<b>61.36%</b>	
<b>Total Admissions</b>	<b>448</b>	
Full-Time Faculty	29	
Visiting Faculty	30	

## II. Program Managers and Senior Faculty

**Mr. Jawad Raza Khoso**

Head of Campus  
Faculty Management Sciences



**Mr. Rashid Ahmed Qureshi**

Program Manager  
MBA



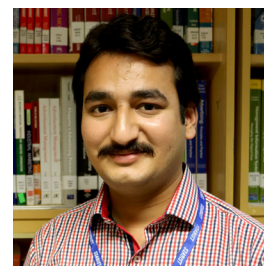
**Mr. Rajnesh Shahani**

Faculty Management Sciences  
Program Manager  
BBA



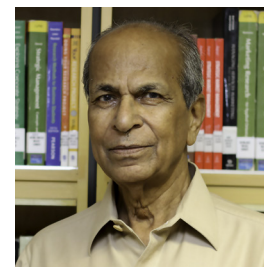
**Mr. Afzal Khan Memon**

Program Manager  
BBA



**Dr. Asandas Manwani**

Faculty Management Sciences



**Dr. Noor Ahmed Shaikh**

Faculty Management Sciences



**Dr. Muhammad Arshad Haroon**  
Faculty Management Sciences



**Ms. Murk Khero**  
Faculty Management Sciences



**Dr. Abdul Ghafoor Kazi**  
Faculty Management Sciences



**Mr. Amir Ali Khushk**  
Faculty Management Sciences



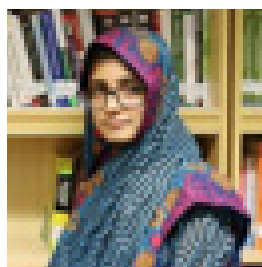
**Mr. Muhammad Saleh**  
Faculty Management Sciences



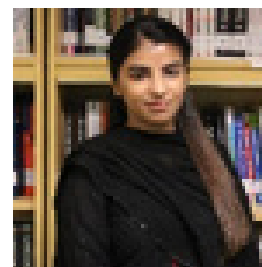
**Mr. Jan Muhammad Sohu**  
Faculty Management Sciences



**Ms. Maryam Qureshi**  
Faculty Management Sciences



**Ms. Aiza Aziz Qureshi**  
Faculty Management Sciences



**Mr. Ikramuddin Junejo**  
Faculty Management Sciences



**Ms. Murk Fatima Panhwar**  
Faculty Management Sciences



**Ms. Tooba**  
Faculty Management Sciences



**Ms. Pooja Pohwani**  
Faculty Management Sciences



**Mr. Umair Jamil Ahmed**  
Program Manager  
BS Computer Science



**Mr. Muhammad Ahsan Memon**  
Faculty Computer Science



**Dr. Amir Hassan Pathan**  
Faculty Computer Science



**Mr. Anjum Khaliq Bhatti**  
Faculty Computer Science



**Dr. Aijaz Ahmed Siddiqui**  
Faculty Computer Science



**Mr. Syed Samiullah Shah**  
Faculty Computer Science



**Dr. Khizar Hayat Khuhawar**  
Faculty Computer Science



**Mr. Aijaz Ali**  
Faculty Computer Science



**Ms. Sumbul Ghulamani**  
Faculty Computer Science



**Ms. Shahira Mukhtar**  
Faculty Computer Science



**Mr. Saqib Saeed Panhwar**  
Faculty Computer Science



### **III. Library and Computing Resources**

SZABIST Hyderabad Campus possesses a well-structured library, which contains 3254 books of diverse disciplines and multiple computer laboratories are equipped with 169 computers.

Details of library and computing resources are given in Tables 2.11 and 2.12 in the Tables Annexure B<sup>35</sup>.

35- See Annexure-B on Page #000





#### IV. Admissions, Orientations and Convocation 2018-2019

The admissions at SZABIST Hyderabad Campus were held bi-annually i.e. in May (Fall semester) and December (Spring semester).



The Orientation Ceremony was held on August 13<sup>th</sup>, 2018 and January 17<sup>th</sup>, 2019 for Fall 2018 and Spring 2019 respectively at the campus. The Program Managers, Faculty and Staff members welcomed new students.



The 6<sup>th</sup> Annual Convocation 2019 of SZABIST Hyderabad was held at Qasim Banquet, Hyderabad on February 9<sup>th</sup>, 2019. A total of 153 graduates (79 from BBA, 15 from BSCS and 59 from MBA Program) were conferred with degrees. The Merit Gold Medal was awarded to 2 students and 1 student was awarded with Merit Silver Medal. 12 BBA graduates and 9 MBA graduates were enumerated under the Chancellors honor roll in 6<sup>th</sup> Annual Convocation 2019.







# E SZABIST Dubai (UAE) Campus

## I. Introduction

SZABIST established its first off-shore campus in Dubai Academic City and started its operations in 2003. SZABIST was the only Pakistani tertiary education institute that has an international presence. Currently, the campus offers 6 degree programs i.e. BBA, BSCS, MBA, EMBA, MPM and MSCS in the faculty of Management Sciences and Computing and Engineering Sciences.



The details of students and full-time Faculty members for 2018-2019 are summarized in the following table:

**Table 2.13 : SZABIST Dubai Campus - Students and Faculty 2018-2019**

Total number of Students	428	
Total number of Graduates (Fall 2018, Spring 2019 and Summer 2019)	112	
Admissions 2018-2019	Applicants	Admitted
BBA	58	44
MBA	15	10
EMBA	17	13
MPM	11	08
BSCS	45	34
MSCS	21	16
Acceptance Rate (%)	74%	
Total Admissions	125	
Full-Time Faculty	13	
Adjunct Faculty	19	

## II. Program Managers and Senior Faculty

**Dr. Hummayoun Naeem<sup>36</sup>**

Head of Campus  
Program Manager  
Weekend Programs



**Mr. Irfan Ali Larik**

Manager Operations



**Ms. Nabila Arif**

Program Manager  
BBA (Morning)



**Dr. Naveed Ahmed Shaikh**

Faculty Management Sciences



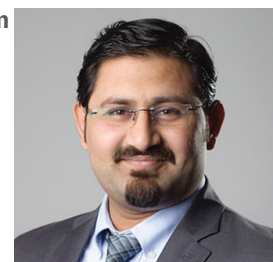
**Dr. Nasreen Suhail Khan**

Faculty Management Sciences



**Mr. Syed Muhammad Zubair Azam**

Faculty Management Sciences



36- Dr. Hummayoun Naeem took over the charge of Head of Campus in March, 2019.



**Mr. Ahamad Amani**  
Program Manager  
Computer Sciences



**Mr. Muhammad Ali Awan**  
Faculty Computer Science



**Ms. Rukhshanda Jabeen**  
Faculty Computer Science



**Ms. Rabiya Malik**  
Faculty Computer Science



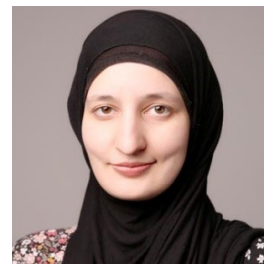
**Ms. Sumaira Osmani**  
Program Manger Media Sciences/  
Management Sciences Evening  
Staff and Student Advisor



**Mr. Muhammad Imran**  
Faculty Media Sciences



**Ms. Shafaq Zehra**  
Faculty Media Science



### III. Library and Computing Resources

SZABIST Dubai Campus owns an updated and well maintained library and computing resources. Currently, the campus has 3,118 printed books and an online library service for the students, faculty and staff. Moreover, the computer labs are equipped with 132 desktop computers including 3 Macs and 1 iMAC.

More details about library and computing resources are mentioned in Tables 2.14 and 2.15<sup>37</sup>.







#### IV. Admission, Orientations and Convocation 2018-2019

Biannual admissions are held at SZABIST Dubai Campus in July-August (for Fall semester) and December-January (for Spring semester). For availing the admissions, the students have to submit an online application or admission form, appear and clear assessment test and pass interview. Further, students are encouraged to attend orientation ceremony. The Orientation Ceremony for Fall 2018 was conducted on September 15<sup>th</sup>, 2018 and on February 9<sup>th</sup>, 2019 for Spring 2019 at SZABIST Dubai Campus. The Head of Campus, Program Managers, Faculty and Staff welcomed new entrants.

SZABIST Dubai 5<sup>th</sup> Convocation was held at Crowne Plaza Dubai on March 9<sup>th</sup>, 2019. Mr. Muhammad Abdullah, Managing Director of Dubai Knowledge Park and DIAC was the Chief Guest at the ceremony. Madam Chancellor Dr. Azra Fazal Pechuho, Madam President Ms. Shahnaz Wazir Ali, Vice- President Academics Dr. Altaf Mukati, and BoT Members Ms. Bakhtawar Bhutto Zardari and Ms. Aseefa Bhutto Zardari graced the ceremony.



# F Research and Development

SZABIST believes in identifying and developing new intellectual avenues. Therefore, it facilitates research and development programs. The main objective is to provide resources for sustainability and success of research and development projects. Also, to promote a culture of research and development, the Institute has made considerable investments, developed state-of-the-art scientific and technological research laboratories, and hired highly qualified personnel.

## I. SZABIST'S Center for Biosciences Research (SCBR)

### i. Introduction

SZABIST's Center for Biosciences Research (SCBR) is a platform where researchers and academicians from various biological fields are provided with an opportunity to perform basic and applied research related to biology and allied fields. The center is multidisciplinary in terms of research interests and has a dedicated qualified team of young professionals.

### ii. Aim and Purpose of the Research

The research and innovation activities of SCBR are aimed to:

- Promote methods and applications of biological sciences to enhance human wellbeing.
- Discover new avenues of biological sciences to respond to the key themes of current international agendas.
- Maintain excellence in interdisciplinary biological research by advocating independent and original work and training future academic leaders through education and research.
- Encourage cross-disciplinary research initiatives focused on the unique plant and microbial species.

### iii. Infrastructure and Facilities

SCBR is fully equipped with the instruments needed to perform the prescribed research. It also has full access to high quality chemicals, reagents, and/or kits required to implement researches. The center is in the process of continuous improvement with respect to acquiring more equipment and chemicals related to added research interests such as enzyme isolation, metabolite fingerprinting, bioactivity profiling, and biomarkers identification. The center has developed 3 new state-of-the-art laboratories for starting research in the areas of stem cells, applied microbiology and immunology, and natural product chemistry.

### iv. Research Output

The SCBR is currently working on the following projects and their findings will be shared in the next report.

- Plant tissue culture of Papaya plant.
- Antibigram of clinical isolates of *Pseudomonas* sp.
- Inducing drug resistance in probiotics.
- Antibiofilm activity of natural plant extract.

### v. Future Plans

SCBR will start using animal models (rabbits and rats) for various pharmacological studies and enhance the research profile in the area of medical biochemistry. The team is also planning to expand its research related to multi-drug resistance in microbes.

## II. Sustainable Development Research Center (SDRC)

### i. Introduction

The Sustainable Development Research Center (SDRC) was established on January 5<sup>th</sup>, 2010. In the wake of global commitments on Sustainable Development Goals (SDGs), it was revamped in September 2017 with a view to align it with contemporary agenda of SDGs. Since then, it has been actively engaged in research and organizing research seminars and lecture sessions on relevant topics.

### ii. Aim and Purpose of the Research

The major objectives of SDRC are dedicated to:

- Expanding knowledge on Sustainable Development Goals (SDGs) through publishing research and conducting seminars at different platforms.
- Providing research based policy analysis on different areas of SDGs, specifically on poverty, family planning, nutrition and gender equality.
- Providing support in development of linkages with other partners i.e. public sector, private sector and international development partners, in terms of exploring options for future consultancy work for SDRC.

### iii. Trainings/Conference/Seminars

#### (a) Trainings

SDRC has organized number of events during 2018-2019. Details of these are mentioned below:

- A Memorandum of Understanding (MoU) between SZABIST and Research and Training Wing, Planning and Development Department (P and DD), Government of



Sindh, Karachi was signed on February 21, 2019. Accordingly, SZABIST has undertaken to conduct a series of trainings for the Government of Sindh officials. The trainings were conducted in collaboration between SDRC and Faculty of Management Sciences (FMS).

- The first 3-day training session on “Result Based Monitoring and Evaluation Management” was conducted at Karachi campus on March 25<sup>th</sup> –27<sup>th</sup>, 2019 for 11 P and DD officers (Grades 17 and 18) along with 2 administrative officials of SZABIST. The focus of training was tracking and evaluation of organizational performance because government officials are increasingly challenged to provide evidence for whether their projects or policies are achieving clearly defined outcomes and impacts. The training was conducted by Mr. Jahanzeb Asim, Ms. Farhat Fatima and Dr. Kaiser Bengali.
- The second 4-day training session on “Survey Data Analysis” was conducted at Karachi campus on April 9<sup>th</sup> –12<sup>th</sup>, 2019 for 12 Statistical Officers (Grade 17) of the Sindh Bureau of Statistics. The focus of training was to give knowledge of basic concepts of statistics and the ability to analyze quantitative survey data using special statistical software SPSS. The training was conducted by Dr. Salman Ahmed Shaikh and Ms. Mehak Younus.
- The third 4-day training session on “Survey Data Analysis” was conducted on April 16<sup>th</sup>–19<sup>th</sup>, 2019 at Larkana Campus for 10 Statistical Officers (Grade 17) of the Sindh Bureau of Statistics. The training was conducted by Dr. Salman Ahmed Shaikh and Ms. Mehak Younus.



#### (b) Conference

- An Education Conference on “Right to Education without Discrimination” was organized in collaboration with Faculty of Social Sciences and Education and Centre for Social Justice on April 8<sup>th</sup>, 2019. The session was addressed by Dr. Riaz Sheikh-Dean of Social Sciences and Education; Peter Jacob-Executive Director-CSJ; Anis Haroon- Women’s Right Activist; Justice (R) Majida Rizvi-Chairperson Human Rights Commission, Government of Sindh and Rana Asif Habib-President of Initiator Human Development Foundation.

#### (c) Seminar

- A lecture session on “Global Economic and Ecological Crisis: An Eco-socialist Perspective” was organized in collaboration with Faculty of Social Sciences on April 24<sup>th</sup>, 2019. The session was addressed by Prof. Pritam Singh.







### iv. Future Plans

SDRC team is planning to arrange various seminars, guest speaker sessions, workshops and conferences to significantly aid and motivate general public contributions towards social welfare and development.

Plans to restructure SDRC are also in progress.

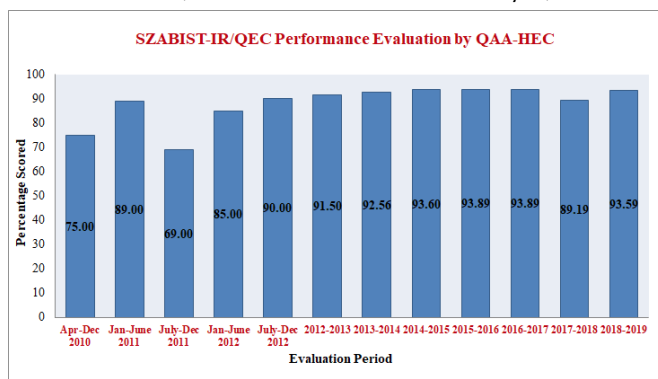
## III. Institutional Research/Quality Enhancement Cell (IR/QEC)

### i. Introduction

The Institutional Research/Quality Enhancement Cell (IR/QEC) was established in 2010 at SZABIST, under the directives of Quality Assurance Agency (QAA) of Higher Education Commission (HEC) Pakistan. The department ensures that the Institute abides by its ideology of providing quality education and competitive advantage to the students. In order to sustain and nurture the high academic standards, various reviews, analysis, and assessments were prepared and conducted by IR/QEC in 2018-19. This achievement is the result of vigorous and persistent efforts of the QEC staff at SZABIST.

As per the quantitative assessment conducted by QAA-HEC annually, IR/QEC's score has inclined from 89.19% in 2017-2018 to 93.59% in 2018-2019. This further endorses the Institute's dedicated approach in delivering quality education.

### SZABIST-IR/QEC Performance Evaluation by QAA-HEC



### ii. Quality Assurance Measures Taken at SZABIST

The IR/QEC department works systematically on the assignments divided into: Academic Operations, Policies, and Outreach.

#### 1. Academic Operations

In order to inspect and enhance the quality of academic operations, the department undertook the following assignments:

#### a. Strengthening the Institutional Research-Self Assessment Report (SAR)

The IR/QEC organizes and manages the Self-Assessment process of all academic programs being offered at all campuses of SZABIST. The process results in generating Self-Assessment Report (SAR) of a program. The SAR is a combination of Program Team (PT) Report, Review by IR/QEC, and Assessment Team (AT) Report. It assesses the level of accomplishment of instructive targets (i.e. objective) and results (i.e. outcome) by the programs, give input to quality affirmation of the system, enhance scholastic benchmarks, and upgrade students' learning procedure.

- The SAR Process (1<sup>st</sup>/2<sup>nd</sup>/3<sup>rd</sup> cycle) of Karachi campus was initiated for 26 programs namely; BS BIO, MS BIO, BS SS, MSSS, PhD SS, BSCS, MSCS, PhD CS, MA EDU, MS ELM, PhD ELM, MoA, BMS, MS Media Studies, BBA, BABS, BS Accounting and Finance, BS Entrepreneurship, MBA 36, MBA 72, MBA Banking and Finance, EMBA, MPM, MSPM, MSMS and PhD MS.
- In 2018-2019, IR/QEC initiated SAR Process (2<sup>nd</sup> SAR Cycle) of 4 programs offered at Larkana Campus i.e. BSCS, BBA, MBA 36, MBA 90. The PT reports were reviewed and feedback was provided for revision.
- Further, for Islamabad campus, the SAR PT report process has been completed for all programs and AT process has been initiated. During 2018-2019, the IR/QEC department reviewed the PT and AT reports of MSCS and MSSS programs.



IR/QEC staff briefing PT members about SAR Process



**Meeting of IR/QEC staff with PT members**



**SAR PT Meeting at IR/QEC Room**

#### **b. Preparing and Improving the Quality of Publications**

Publications assist in enlightening stakeholders and profiling progress of an institute. The IR/QEC staff members meticulously work to enhance the quality of SZABIST's publications. In 2018-2019, IR/QEC team compiled, reviewed, and edited the following:

- SZABIST Trust Annual Report 2017-2018
- SZABIST Course Catalogue 2018
- SZABIST Course Catalogue 2019 (Initiated)

#### **c. Institutional Research Studies**

The IR/QEC staff members conduct research studies with the aim of enhancing the department's portfolio and enabling the Senior Management in developing competitive strategies, reviewing policies and overcoming identified shortcomings. In 2018-2019, the department conducted the following research studies:

- Cost-benefit Analysis on the usefulness of all the memberships acquired by IR/QEC Department and SZABIST in general. It included: Asia-Pacific Quality Network (APQN), International Association of Universities (IAU), Association of Commonwealth

Universities (ACU), Association to Advance Collegiate Schools of Business (AACSB), Federation of the Universities of the Islamic World (FUIW), Management Association of Pakistan (MAP) and The Talloires Network. The tabular analysis was shared with VP Academics and President.

- Consolidated Staff Survey Analysis 2018-2019
- Consolidated Faculty Survey Analysis 2018-2019

#### **d. Institutional Support to Other Campuses**

In order to standardize and improve academic policies and operating procedures, IR/QEC performed various tasks throughout the year and provided institutional support to all campuses. In 2018-2019, IR/QEC particularly assisted Dubai campus for UQAIB- Program Approval:

- Took follow-up from Management Sciences BS A and F Program Managers with reference to decisions made in BoS meetings.
- Provided a Quality Report related to Exam Audit of Islamabad campus to Dubai campus for UQAIB - BS A and F program approval.
- Prepared responses for UQAIB and submitted to Dr. M. N. Brohi, Dubai Campus for review.

IR/QEC provided trainings to the QEC staff of other campuses and other universities regarding the different processes of quality measurements.



**Larkana QEC Officer - Mr. Sartaj Ahmed Sangi was provided training at IR/QEC Karachi office for one week**





Ms. Mahwash Imran, Manager IR/QEC briefing Mr. Sartaj Ahmed Sangi at IR/QEC Karachi office



Larkana QEC Officer - Mr. Rasool Bux Junejo was provided a briefing session to familiarize with IR/QEC tasks and assignments via video conferencing on April 5, 2019 by Ms. Mahwash Imran, Manager IR/QEC SZABIST Karachi



FAST QEC member - Shaista Maqbool was provided training by Ms. Mahwash Imran, Manager IR/QEC SZABIST Karachi on Institutional Performance Evaluation (IPE) Standards on April 25, 2019.

## 2. Policies

The IR/QEC implemented the following quality assurance measures to further reinforce SZABIST's policy framework.

### a. Surveys

To improve the quality of education being imparted at SZABIST, the IR/QEC elicits feedback from various collaborators (teacher and course evaluation, graduating students, alumni, full-time faculty, and employers) through surveys. The solicited responses were meticulously analyzed to assist Senior Management in overcoming policy and procedural limitations to augment smooth operations of SZABIST's academic and administrative departments. The following surveys had been conducted in the academic year: Staff, Full-time Faculty, Alumni, Graduating Students' and Employers'.

#### i. Graduating Student Survey

In order to understand the needs of our graduates, SZABIST conducts Graduating Student Survey (GSS) on annual basis. The IR/QEC engages in analysis of GSS which helps SZABIST Management to identify and rectify shortcomings and add value in the programs being offered. The survey solicits graduates' feedback on the effectiveness of various aspects of their respective programs and several factors contributing towards students' overall educational experience.

This year department-wise graphical reports of GSS 2018 were prepared by IR/QEC. As a step towards digitalizing surveys, 32 Graduating Students Survey Forms were reviewed, revised and uploaded on ZABDESK with the collaboration of ZABSolutions for final semester graduating students.

#### ii. Alumni Survey

As per regular practice, the Alumni Survey is conducted annually by the Executive Development Centre (EDC) and data is shared with IR/QEC for analysis. The Alumni Survey focuses on issues related to students' professional careers upon completing their degrees. In particular, this survey aims at determining whether SZABIST has been successful in producing quality graduates who have been successful in getting jobs matching their field of study. In addition, it aims to mobilize alumni to strengthen their bond with the Institute, and stimulate a sense of responsibility of promoting the alma-mater in their respective organization. Moreover, the survey results help the institute strengthen and expand its professional network, gain insights on changing market trends, and assist the Management in formulating strategies accordingly.



IR/QEC completed graphical report of Alumni Survey 2018 this year. Further, a discussion is underway with EDC for the revision of Alumni Survey form 2019.

### iii. Full-time Faculty Survey

The IR/QEC initiated the Faculty Survey in 2010 to determine the full-time faculty's satisfaction level at SZABIST. Further, the main purpose of conducting the survey is to cater the needs of faculty and provide them a conducive working environment for augmenting research productivity. Also, at SZABIST, the top management greatly values the opinion of its faculty members for enhancing their effectiveness and professionalism. The results of the survey are also incorporated in the respective program's Self-Assessment Report.

Over the course of year 2018-2019, the form for Full-time Faculty Survey was reviewed and revised by PhD Faculty of SZABIST with the approval of Vice-President Academics, Dr. M. Altaf Mukati. IR/QEC staff conducted meetings with HoD Management Sciences and other senior faculty to refine the survey tool for productive feedback. A consolidated draft report of the Faculty Survey 2018-2019 was prepared and submitted to the Senior Management for further action.

### iv. Employers Survey

As per regular practice, the Employer Survey is conducted by the Executive Development Centre (EDC) and data is shared with IR/QEC for analyzing it. The employers' feedback enables SZABIST to identify factors such as graduate market worth, graduate employability, employers' expectations and preferences, and employers' satisfaction level. In addition, the survey results assists EDC to identify available opportunities in the job market, developing plans and devising strategies to subsequently increase placement and internship prospects for the graduates.

In 2018-2019, the EDC department proposed amendments in the Employer Survey form. The form will be soon shared with senior faculty and PhD scholars for review.

### v. Staff Survey

In higher education institutes, staff is considered as the operational backbone because they ensure timely coordination between all stakeholders such as regulatory bodies, senior management, faculty, staff, and current and prospective students. The IR/QEC conducts Staff Survey during Fall Semester. The main purpose of this survey is to gauge employee satisfaction level with policies and procedures being practiced by SZABIST to improve staff efficiency level and effectiveness.

Staff survey was initiated with a revised questionnaire during 2018-2019. As per research guidelines, the survey tool was shared with senior faculty and PhD scholars for review and correction. Upon approval of Vice-President Academics, the survey was conducted and a consolidated Staff Survey report was prepared from the collected responses.

### b. Internal Academic Audit

The IR/QEC department has been established to bring standardization to all academic and non-academic activities. Hence, the department regularly explores ways to further strengthen the quality of education being imparted to students. Following the department's philosophy, IR/QEC initiated a new project called Internal Academic Audit in January 2018. The project was undertaken with the aim of identifying discrepancies in the marks awarded to the students.

#### ● Karachi Campus

The IR/QEC department conducted the audit for Summer 2018. Exam copies of Karachi campus were assessed on the basis of the grading scheme implemented at SZABIST and evaluators' checking style. The report was shared with Registrar and VP Academics for further action.

#### ● Other Campuses

Furthermore, audits were initiated for summer courses in Islamabad, Larkana, Hyderabad and Dubai campus and Phase 1 and 2 were completed.

#### ● KHDA

In 2018-2019, IR/QEC conducted the exam audit for SZABIST Dubai Campus. The report was also submitted to KHDA in January 2019.

## 3. Outreach

### a. Relations with HEC and other Regulatory Bodies

The IR/QEC maintains close working relations with HEC and other regulatory bodies, along with undertaking assignments to enhance SZABIST's education standard. This includes: fulfillment of information provision requests, and compilation and submission of documentation. The department regularly submits information required by HEC-QAA, Chartered Inspection and Evaluation Committee (CIEC), and Knowledge and Human Development Authority (KHDA), UAE. Moreover, to acquaint staff members with latest quality assurance practices, civic and social responsibilities followed around the world, the department maintains membership with Asia Pacific Quality Assurance Network (APQN), Association of Quality Assurance Agency of Islamic World (AQAAIW) and Talloires Network.

## i. Review Visits



### ● Institutional Performance Evaluation (IPE) Self-Review

The Institutional Research/Quality Enhancement Cell (IR/QEC) of Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST), Karachi organized a Self-Institutional Performance Evaluation Visit on June 18<sup>th</sup>-19<sup>th</sup>, 2019. The Review Panel Members were Dr. Arshia Samin Naqvi, Director QEC, Ziauddin University, Karachi; Ms. Naila Shah, Manager External Relations and Financial Assistance and Ms. Mansoor Ahmed, Controller Academics from SZABIST, Karachi Campus.



### ● MS and PhD Programs Self-Review

The Institutional Research/Quality Enhancement Cell (IR/QEC) of Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST), Karachi organized a Self-Review Visit of Ph.D. and MS/Equivalent Programs at the Karachi campus on June 26<sup>th</sup>, 2019. Manager IR/QEC, Ms. Mahwash Imran and her team assisted the Review Panel throughout the visit and provided the necessary evidences when required. The efforts of IR/QEC team were appreciated by the Senior Management.

Sixteen programs were reviewed by an expert committee comprised of internal and external members. The Committee included Dr. Riaz Ahmed Shaikh, Dr. Aamir Firoz Shamsi, Dr. Muhammad Kashif, Dr. Kashif Ali, Dr. Imran Amin, Dr. Najmonnisa, Mr. Taimur Ahmed Suri, Dr. Muhammad Aqil, Dr. Hammad Afzal Kayani, Dr. Syed Hasnain Alam Kazmi, Dr. Adeel Ansari, Dr. Alam Raza, Dr. Sarah Wali Qazi, Dr. Sara Wahid from SZABIST, Karachi Campus and Dr. Naeem Ahmed from Karachi University.

## ii. Reports

As one of the core objectives of IR/QEC is reporting to the Higher Education Commission of Pakistan as and when required, the department prepares and submit Yearly Progress Report to HEC QAA every year. During the year 2018-2019, the department prepared and submitted YPR 2017-2018 to HEC QAA showcasing the work progress of department in the said year.

### iii. Accreditation Bodies

Fulfilling the mission of IR/QEC to provide support in streamlining processes, the department supported:

- Management Sciences department during NBEAC Visit by providing related evidences.
- Mechatronics department during PEC Visit by providing related evidences and responding to the queries of Visit Team.

## b. Conferences/Workshops/Seminars

For attaining an improved knowledge of QEC policies and goals, IR/QEC staff attended the following trainings arranged by different universities during 2018-2019:







- An awareness seminar on July 12<sup>th</sup>, 2018 on “Significance of Feedback of the Stakeholders focusing on Employers and Alumni” was organized by Indus University Gulshan-e-Iqbal Campus. Dr. Muhammad Abdul Wahid Usmani, Consultant Quality Assurance, King Saud University Riyadh, Saudi Arabia conducted the seminar with an aim to inculcate Outcome Based Learning and improve formal and informal assessments.



- A workshop on “Designing Quality in Business Management Programs” organized by Institute of Business Management held on October 19<sup>th</sup>, 2018. Dr. Zaki Rashidi, Director Quality Learning and Innovation (QLI), Iqra University, conducted the seminar.



- A seminar on “Factors Influencing Quality Culture at Post Graduate Level” organized by Quality Enhancement Cell of Dow University of Health Sciences (DUHS) on March 21<sup>st</sup>, 2019. The session was conducted by Ms. Ambreen Asif Qureshi, Director QEC, Dadabhoy Institute of Higher Education (DIHE), Karachi.



- Manager IR/QEC attended a 4-day international conference on “Quality Assurance in the Asia-Pacific Region: Insight into the Future” in Colombo, Sri Lanka from March 28<sup>th</sup>-31<sup>st</sup>, 2019.





- Manager IR/QEC attended a training workshop on “Institutional Performance Evaluation and MS/M.Phil. and Ph.D. Program Review” held in Islamabad on April 16<sup>th</sup>, 2019. The workshop was arranged in connection with HEC’s aim of improving quality of the education being imparted through MS/M.PHIL and Ph.D. Programs.

### QEC Activities at other Campuses

SZABIST has QEC offices set up in all campuses which ensure standardization in the academic and administrative services across all SZABIST campuses. The establishment of QEC offices assists in improving the quality of the academic programs by identifying and monitoring the difference between SZABIST curriculum and respective market require-

ments to propose initiatives in order to reduce the gap and strengthen the current offerings. Thus, QEC personnel across all campuses are engaged in the execution and completion of Self-Assessment Reports (SARs) of their respective programs, conducting various surveys and facilitating visits of HEC and other regulatory bodies in their campuses.

### 1. Islamabad Campus

The QEC department at Islamabad campus was established in September 2012. However, due to certain pitfalls, the department’s operations were suspended. The department became functional in January 2015. Since then it has been working effectively to maintain quality standards at Islamabad Campus.

During 2018-2019, QEC Islamabad has launched the second phase of Self-Assessment Reports (SARs) in which SARs of all programs were initiated through multiple meetings with Program Teams. Further, Program Teams submitted the PT reports that have been reviewed by QEC department as per SAR process. These SARs have completed the Assessment Team phase and are now in the completion process.





QEC Islamabad attended a one-day seminar on “Quality Assurance at Higher Education and University Ranking” organized by Foundation University Rawalpindi Campus. The guest speaker was Dr. Riaz Ahmed, Director QA, NUST. The purpose of the seminar was to promote the quality culture in Higher Education Institutes by implementing the guidelines provided by Higher Education Commission and role of QEC in HEI’s. 20 participants from different universities located in major cities of Pakistan attended this seminar.

## 2. Larkana Campus

Quality Enhancement Cell (QEC) at Larkana campus started its operations in January 2015 and since then it is responsible for assessing, improving the quality of academic and administrative operations at the campus. QEC Larkana has been working and updating the Self-Assessment Reports (SARs) of BBA, BSCS and MBA programs.

Following are the various activities undertaken by the Quality Enhancement Cell (QEC) during the year 2018-19:

- i. Self-Assessment (SAR) Report
- ii. Faculty Conference with QEC/IR Office, Karachi
- iii. Faculty and Staff Survey
- iv. Students Survey
- v. Graduate Survey
- vi. Prospective Students Survey

## 3. Hyderabad Campus

SZABIST Hyderabad Campus established the Institutional Research/Quality Enhancement Cell (IR/QEC) in February 2015. In order to actively promote IR/ QEC’s primary function of bringing standardization to academic programs in line with the guidelines enunciated by the Higher Education Commission (HEC), the following events were conducted at the campus:



- On October 26<sup>th</sup>, 2018 Dr. Ahmed Hussain, Director (ORIC) SZABIST conducted a training and activity session on National Research Programme for Universities (NRPU).



- Pakistan Engineering Council organized One-Day CPD course on “Green Building Technology” at SZABIST Hyderabad Campus on November 28<sup>th</sup>, 2018.

## 4. Dubai Campus

The Quality Enhancement Cell (QEC) at SZABIST Dubai was launched under the direction and guidance of the QEC at the Home Campus. The QEC Dubai was launched in 2014 under Professor Dr. Hummayoun Naeem who is currently the Head of Campus. The QEC at SZABIST Dubai works in collaboration with QEC at the Home Campus and is constantly involved in supporting its basic function i.e. to foster Institutional Effectiveness (IE) to support research, planning, policy formation, streamlining processes, decision making and critical academic initiatives of strategic importance for SZABIST.

Activities of QEC Dubai during 2018-2019 are as follows:





- As part of its Community Development program, SZABIST organized a 2-day Free of Cost workshop on "Data Analysis, Reporting and Presentation using MS Excel 2016" for alumni and industry professionals on January 1<sup>st</sup>, 2019.



- SZABIST Dubai Campus in partnership with #PakistanisInDubai organized a successful seminar on Impression Management on July 20<sup>th</sup>, 2019. The seminar was conducted by Mr. Zubair Azam.

### Future Plans

In 2019-2020, IR/QEC will be concentrating on the AT Process of initiated SARs of various programs offered by SZABIST, providing support to accreditation and regulatory bodies including HEC, NBEAC, PEC, NCEAC and others, conducting and analyzing surveys, Trend analysis of different surveys, engaging in various admission or program analyses, preparing and strengthening SZABIST publications and reports. The department also plans to participate and conduct QA workshops nationally and internationally and to produce research papers. Revamping of the Survey portal is also intended. MS programs review, PhD programs review, and Institutional Performance Evaluation visits by HEC are also expected in coming year.

## IV. Board of Advanced Studies and Research (BASR)

SZABIST leadership encourages and nurtures a research-oriented culture at the Institute. Board of Advanced Studies and Research (BASR) committee was established in 2015 with the approval of Board of Trustees. The committee comprises of eminent academicians and researchers developing, reviewing and revising the policies, procedures and structure of programs and research activities at postgraduate level for the advancement of research and development. The decisions taken by Doctoral Committee (DC) and Research Committee (RC) are brought to BASR for deliberation and ratification.

### i. Doctoral Committee (DC)

Doctoral Committee (DC) was formed in April, 2016. The DC functions under BASR in campuses where MS and/or PhD programs in any discipline are offered. The purpose of this committee is to ease numerous functions and accelerate the decision making process in every campus. It will send recommendations which are subsequently be approved by the BASR.

DC monitors and evaluates the semester-wise progress of individual students of MS and PhD programs. It handles students' issues such as satisfactory and unsatisfactory performance, semester freezing, provision of approved supervisors and co-supervisors to them, getting their theses and dissertations evaluated and examined by internal and external evaluators domestically or academically advanced countries, time bar extensions, cancellation of admission (mainly due to time bar issues), releasing notifications for award of degrees, appointing Advisory Committee and so on. DC has a huge pool of approved foreign evaluators which keeps on updating as per requirements from different countries such as United Kingdom, Germany, Turkey, Malaysia, China and America for student foreign evaluation. In addition, DC focuses on the emerging HEC policies and guidelines for compliance and accreditation of various MS and PhD programs.







**Institutional Ethics Review Board (IERB)**

As a part of the Doctoral Committee (DC), The Institutional Ethical Review Board (IERB) is an administrative body established to protect the rights and welfare of human research subjects recruited to participate in research activities conducted under the auspices of the SZABIST.

The IERB is charged with the responsibility of reviewing, prior to its initiation, all research involving human participants. The IERB is concerned with protecting the welfare, rights, and privacy of human and other living thing subjects. The IERB has the authority to approve, disapprove, monitor and require modifications in all research activities that fall within its jurisdiction as specified by both the federal regulations and SZABIST policy. The IERB is composed of Legal Advisor, Ethical Professional and other members in order to provide complete and adequate review of human research and its institutional, legal, scientific, and social implications. The Board also include at least one member who is not affiliated with the institution and one member who is not a specialized in that aspect.

## ii. Research Committee (RC)

Research Committee nourishes the research eco-system across campuses. It devises policies to incentivize research

publications (in papers, books, conference papers, etc.). Recently, it has established a Plagiarism Committee across campuses to tackle the complex matters of research ethics. It has also reset the honoraria for publications and participation in national and international conferences. In addition, various endeavors are undertaken at departmental level for establishment of research centers and committees, and special interest groups (SIGs), attainment of research grants and preparation of formal document of research policy.

## V. Office of Research, Innovation, and Commercialization (ORIC)

### i. Introduction

The ORIC office at SZABIST has been initiated by VP(Academics) in March, 2018 to provide end to end services for all matters about research and development, innovation, Inventions, commercialization, patents, collaborations, arranging seminars/ colloquia/ symposium/ conferences/ workshops, etc. and research publication honorarium. ORIC is helping its researchers to do high-quality research that will shape futures, solve real-life problems, change policies, and influence practice, all to the benefit of the people of Pakistan. ORIC wants our researchers to represent the many different viewpoints and voices of our dynamic, diverse society to ensure inclusivity and a better future for all. We want our research efforts to be sustainable so that our research community is constantly being replenished with new perspectives and skills, underpinned by an unswerving commitment to sound research ethics.

ORIC welcomes opportunities to collaborate with like-minded researchers, research managers, and administrators, and our doors are open to postgraduate students seeking a research home where quality counts. The ORIC is trying to establish a good working relationship with other higher learning institutions, industries, and donor agencies especially HEC, PSF, and other universities in Pakistan in the activities that can enhance entrepreneurship, academic, and research excellence.

### ii. Mission and Objectives

The mission and objectives of ORIC comprise:

- Raise fund for research
- Provide information to faculty about various available research grants
- Link faculty and students with relevant industry
- Help and guide on patent filing and licensing
- Interface between faculty and the commercial sector
- Work with patent counsel to assess patentability/licensing
- Evaluate markets for commercialization of inventions
- Identify potential licensees

- Negotiate terms of licenses
- Assist with negotiating problematic sponsored research agreements
- Help faculty start companies

### iii. Aim and Purpose of the Research

The research and innovation activities of ORIC are aimed:

- To drive high impact innovation, applied research and entrepreneurship
- To transform Pakistan from the platform of SZABIST into a knowledge-based economy dependent upon innovation and entrepreneurship
- To link research and commercialization of SZABIST with emerging and existing firms across Pakistan and around the world
- To encourage work closely with the researchers and on-campus Incubators and S and T Park

### iv. Facilities

ORIC provides the following facilities:

#### a. Commercialization

ORIC intends to facilitate the faculty, students and staff in commercializing their products through:

#### Patent Filing and Licensing

ORIC has established links with the legal team that provides support in patent filing, licensing and copyrighting.

The patent for the following publication has been approved during 2018-2019:

- HIGH PERFORMANCE MINI-PUMP FOR LIQUIDS, United States Patent Application Publication, Pub. No.: US 2017/0184122 A1 Online 22<sup>nd</sup> January 2019.

#### b. Plagiarism

ORIC provides critical support to the faculty through advice on plagiarism matters. Director ORIC chairs the Plagiarism Standing Committee. The committee is in process of finalizing a new draft on Plagiarism Policy for SZABIST. The aim of this policy is to apprise students, teachers, researchers and staff about plagiarism and how it can be avoided. It is also aimed at discouraging plagiarism by regulating and authorizing punitive actions against those found guilty of the act of plagiarism.

#### c. Copyrights for ZABSOL Products

The ZABDESK and ZAB CMS are in-house designed software for students, staff and faculty. The copyright applications were submitted in September 2018 and approved on August 8<sup>th</sup>, 2019 from copyright IPO Office.



## v. Research Output/Achievement

### a. Peridot Research Program

PERIDOT is the Franco-Pakistani Hubert Curien Partnership (PHC) Program providing opportunities to Pakistani and French researchers to interact through joint research activities. The Ministry of Foreign Affairs and International Development (MAEDI) and the Ministry of Higher Education and Research (MESRI) implement the program in Pakistan by the Higher Education Commission (HEC) and in France, jointly. The objective of this program is to develop new scientific and technological cooperation between French and Pakistani higher education institutions/research laboratories by supporting the mobility of researchers from both sides.

ORIC conducts orientation sessions and briefing talks to share information on the call for proposals formally with SZABIST faculty.

### b. National Research Programme for Universities (NRPU)

NRPU is a flagship Research Programme of HEC for funding research grants on competitive merit for high-level and promising scientific research projects that demonstrate strategic relevance and impact to local industry and society. To provide financial support for basic and applied research for researchers across Pakistan, NRPU has been serving the nation for more than a decade to provide a platform for academicians to win grants for basic and applied research.

The main focus of this program is to competitively select research projects that will address national priorities through supporting basic and applied research as well as translational research/experimental and transformative research to push research to do country-specific, problem based having an impact on society. HEC intends to stimulate partnerships between academic researchers and end-users.

ORIC organizes highly focused sessions and table talks across SZABIST to spread awareness to the faculty members for all disciplines.



#### c. Ignite – National Technology Fund

SZABIST final year projects won Ignite funding, Ignite funds startups and innovative projects that utilize fourth industrial wave tech to solve local problems and target global opportunities in health, education, energy, agriculture, telecom, finance, and other verticals. Ignite, the national network of incubators across Pakistan nurtures startups and engages them with investors and corporations. Ignite has launched a program to prepare one million people for the future of work.

SZABIST participated in National Grassroots ICT Research Initiative (NGIRI) 2019. Among many FYP(Final Year Projects), total eleven (11) projects have been a win for funding from different campuses of SZABIST, i.e. Islamabad, Hyderabad, and Karachi.

Team Lead	Project Code	Project Title
Duaa Batool	NGIRI-2019-345	Smart warehouse solutions
Hafiz Mansoor Ahmed	NGIRI-2019-1318	Paper Currency Bacteria Removal Processing Machine
Haroon Rasheed	NGIRI-2019-588	Design and Fabrication of Energy Harvesting Lat pull-down Machine
Hassan Qureshi	NGIRI-2019-1152	Courier Management System with Intelligent Cost Estimation
Malik M. Haris	NGIRI-2019-1878	Buffliating Machine
M. Usama Zaid Nasir	NGIRI-2019-1159	Object Sorting Arm
Mujtuba Hasan	NGIRI-2019-2741	Restaurant Order Taking System
Pardeep Kumar	NGIRI-2019-293	Smart Drip Irrigation Controlling System
Shah rukh ali	NGIRI-2019-1157	Android Application for Anemia detection
Syed Minhaj Ali	NGIRI-2019-1265	Garden Tech
Wajid Alam	NGIRI-2019-1383	Android and web based Smart Grocery System

#### d. Technology Development Fund (TDF)

ORIC SZABIST encourage faculty to apply for grants and Funds programs. The Technology Development Fund (TDF) was awarded to Dr. Wajid Zulqarnain, Department of Media Sciences, SZABIST, Islamabad for the project titled “Showcasing R and D efforts in Pakistan with special reference to positive image building of the Higher Education Institutions” by HEC in May 2019. The project was awarded a funding of PKR 14 Million for two years. During the last one-year, Dr. Wajid and his team has made a number of documentaries, which will be online soon. Media personnel and other imminent personalities have reviewed the documentaries and they have highly appreciated the work.

#### E. The National Center in Big Data and Cloud Computing (NCBC)

**Smart Manufacturing Lab:** The Smart Manufacturing Lab at SZABIST is a part of the initiative taken by the Higher Education Commission (HEC), Pakistan under the program titled “Establishment of National Center for Big data and Cloud Computing (NCBC)”. To address these challenges, Smart Manufacturing Lab focuses on the implementation of Industry 4.0 concepts in local industries and act as a platform that enables close collaboration between students, researchers, and practitioners

**Predictive Analytics Lab:** Predictive Analytics Lab (Islamabad) was established under the National Center for Big Data and Cloud Computing, sponsored by the Higher Education Commission of amount Rs. 81.24 Million. The main objectives of NCBC are to carry out research in big data and cloud computing, solve local problems using technology, and provide services to academia and industrial partners. Predictive Analytics lab fulfills these objectives by carrying out Big Data and Cloud Computing research on 5 healthcare programs, i.e. NSP, EPI, MNCHP, LHWP, and NTP. The client of this project is the Government of Sindh and the solutions provided by PA Lab will be used for the improvement and policy assistance in these programs. The project duration is 3 years extendable to 5 years.

#### vi. Activities/Training/Workshop

##### • YES Club Inauguration

Inauguration ceremony of YOUNG ENTREPRENEUR SOCIETY- YES Club held on April 30, 2019. The basic aim for the society is to encourage young entrepreneurs and help them in their startups, provide facilities and industrial linkages.





## • YES Club Inauguration - Hyderabad Campus

ORIC department in SZABIST Hyderabad campus has conducted an inauguration ceremony of YES club (Young Entrepreneurs Society).

Team ORIC (Office of Research Innovation and Commercialization) went to Hyderabad to inaugurate YES club and publicize the ORIC activities.

The students filled the YES club membership form and shared amazing startup ideas. Three best startup ideas won the gift as a token of appreciation. Overall there were 60 students who attended the ceremony.

ORIC is in coordination with other campuses to launch YES club in all the SZABIST campuses. The Institute aims to support and promote maximum number of Entrepreneurs.



## • YES Club- Activities and Official Oath Taking Ceremony

YES SZABIST has taken oath to get fully charged with the sense of responsibility for the year 2019-20. The basic theme working behind YES activities is the **“THE RISE OF ENTREPRENEUR”**.

The oath was formally given by Dr. Altaf Mukati, Vice President Academics. TDAP’S Executive Mr. Salahuddin was invited as chief guest at the event. Madam Shahnaz Wazir Ali, President SZABIST also graced the event to encourage the young entrepreneurs.



## • Online Streaming of a Workshop from Larkana Campus

The workshop titled "How to Publish in High Impact Factor Journals" was organized in SZABIST Larkana Campus followed by a colloquial session for the students of HRM Electives on Latest research trends of Human Resource Management. ORIC arranged online streaming of that workshop to facilitate Karachi Campus to attend that informative session.

## • Journal Publications and Conference Participation By ORIC Staff

ORIC Staff also conducts research activities and have produced various papers in 2018-2019. Details of these publications are inserted in Annexure A: Knowledge Creation and its Dissemination<sup>00</sup>.

## vii. Future Plans

ORIC is planning to compile the data and research work of SZABIST PhD faculty / researchers profile to highlight the research progress in all campuses of SZABIST. The department plans to setup the incubation center in SZABIST targeting maximum number of funded projects and research support grants. Many other projects and programs are also under progress.

# G New Education Initiatives

SZABIST aims to be a globally recognized institute for excellence in education, research, development, and distinction in service. Therefore, the Institute strives to continuously impart quality education in business and allied sciences. The Institute is determined to cater dynamic industry requirements by expanding its academic horizon. To comply with these intentions, new initiatives are being taken regularly. During the year 2018-2019, SZABIST launched the following new programs:

- i. MS Mechatronics Engineering, BS Biotechnology, PhD Biosciences and B.Ed (1.5 Years) Secondary at the Karachi Campus
- ii. MS Data Sciences at Islamabad Campus
- iii. BS Accounting and Finance at Larkana Campus
- iv. BS Software Engineering and BS Accounting and Finance at Hyderabad Campus

## MS Mechatronics Engineering at Karachi Campus

The broad objectives of the Master's program in Mechatronic Engineering are to instill in its students a solid foundation of mathematical, scientific and engineering knowledge in addition to developing the intellectual skills essential for prosperity and success in their careers. The program is structured in such a manner that the students are provided a firm theoretical foundation with opportunity to strengthen their knowledge through research assignments, practical training and projects.

## BS Biotechnology at Karachi Campus

SZABIST Karachi launched Bachelor of Science in Biotechnology (BS Biotech) in Spring 2018. BS Biotechnology aims to prepare students for careers in private and public sectors, research and development for the advancement of agriculture, industrial, healthcare domains.

## PhD Biosciences at Karachi Campus

SZABIST Karachi launched Doctor of Philosophy in Biosciences (PhD Bio) in Fall 2018. PhD Biosciences aims to prepare students for the application of knowledge and skills learned in Biosciences program to the greater good of society.

## B.Ed (1.5 Years) Secondary at Karachi Campus

The Bachelor of Education (B.ED, Secondary) 1.5 years program at SZABIST is intended to help pre-service and in-service teachers develop the required knowledge and skills to enter the educational sector as a competent and

knowledgeable teacher with a grip on teaching different subjects in secondary grades in public and private sector. The proposed program has been specifically designed for students from non-educational background who want to now shift to serving and getting a degree in education. After the program completion, students will be eligible to apply for the MS/MPhil in Education.

## MS Data Sciences at Islamabad Campus

MS Data Sciences program is offered by the faculty of Computing and Engineering Sciences. The amount of data is increasing at a rapid scale. Also, it has an important significance in the emerging societal setups such as the pervasive Internet. Both Big Data Analytics and pervasive computing hinge on the principle axis of data analytics. MS (Data Science) program is going to be relevant in terms of jobs creation and artisanal smart business generation. Graduates from this program are likely to avail the early-bird advantage.

## Bachelor of Science in Software Engineering (BSSE) at Hyderabad Campus

SZABIST Hyderabad launched Bachelor of Science in Software Engineering (BSSE) in Fall 2018. The program is aimed at equipping students with the skills that are widely applicable and yet highly demanded. The program intends to provide a firm foundation for students who are aiming for a career in Software Industry. It focuses on analysis, design, architecture, development, and testing and maintenance technique to produce high-quality software systems.

## Bachelor of Science in Accounting and Finance (BSAF) at Hyderabad and Larkana Campuses

SZABIST Hyderabad launched Bachelor of Science in Accounting and Finance (BSAF) in Fall 2018. The BSAF program is a specialized study for students aiming for Accounting and Finance career. The degree aims at providing a firm foundation for graduate-level study and as a profession in the area of Accounting and Finance. On completion of the BSAF program, students will get an exemption in ACCA modules from F1 to F9.



# H Students' Activities and Educational Achievements

## I. Students' Activities and Educational Achievements-Karachi Campus

SZABIST in conjunction with providing quality education to students, give them an opportunity to participate in a variety of activities because the Management believes that these activities give students a chance to develop their social skills, meet new friends and become more confident communicating in groups. Real-life skills acquired through these activities aid them a lot in their professional and personal lives.

### I-Students' Remarkable Achievements

In the year 2018-2019, students of SZABIST participated in a number of competitions and won variant positions, awards and prizes on their exceptional performance. Some of the achievements are stated below:

- Saim Adnan represented SZABIST in FAST NU Festival that took place at FAST University, and won Gold Medal in table tennis at the sports festival.
- SZABIST participated in Futsal, Volleyball, and Table Tennis at the NUST Olympiad held on March 7-10, 2019. SZABIST teams made their way to the semi-finals in Futsal and Volleyball while Saim Adnan won the gold medal in Table Tennis doubles.
- Saim Adnan represented SZABIST as a private candidate in IoBM Enblaze (March 15<sup>th</sup>-17<sup>th</sup>, 2019) and won Table Tennis single.
- In IBA Olympiad, SZABIST was represented by teams like Futsal, Volleyball, Tabletennis, and Basketball. Saim Adnan and Shah Uzair won the Table Tennis doubles category, with Saim Adnan winning the singles category in the same.
- SZABIST Dubai Media Science department participated in the Short and Sweet Festival with 2 short plays "Urdu ki Yaad Main" and "Cindellala" on April 30<sup>th</sup>, 2019. Cindellala won the "Best Play" at the Short and Sweet Festival in Dubai. The students worked under the guidance of Ms. Shafaq Zehra who won the "Best New Talent Award" at the Festival as well.

## II-Students' Activities

Following is a glimpse of Students' activities at all SZABIST Campuses.

## i. Karachi Campus

### Student Society Events and Field Trips

Under the umbrella of SZABIST Student Council (SSC), a number of clubs and societies have been created to explore young talent and provide opportunities for scientific thought and leadership. Various students participated in a number of clubs and student societies which are managed by SZABIST Student Council (SSC). These societies include:

1. ACM Association of Computing Machinery (SZABIST Karachi, ACM Chapter)
2. AIESEC Student Exchange Program Facilitation
3. ASME American Society of Mechanical Engineers
4. SCS SZABIST Cultural Society
5. IEEE-SSB Institute of Electrical and Electronics Engineers-SZABIST Student Branch
6. KSCLC Karachi SZABIST Campus Lions Club
7. RCoSKM Rotaract Club of SZABIST Karachi Midcity
8. SBS SZABIST Biosciences Society
9. SES SZABIST Entrepreneurial Society
10. SLS SZABIST Law Society
11. SOS SZABIST Oratory Society
12. SSSS SZABIST Social Sciences Society
13. SSS SZABIST Sports Society
14. ZABLITS SZABIST Literary Society
15. ZABMUN Zulfiqar Ali Bhutto Model United Nations
16. ZABPAS SZABIST Performing Arts Society

The events organized by these societies groom students professionally by practical implementation of their learning. Details of student societies' events are categorized under five thematic pillars: Leadership, Sports, Community Service, Art and Culture and Technical.

### a. Leadership

- ZABIST ASME arranged a seminar "Who we are and What can we do for Pakistan" on December 5<sup>th</sup>, 2018. Mr. Jibran Nasir and Mr. Waseem Badami were the guest speakers. The two enthusiastic speakers kept the audience active throughout the session.





## Students' Activities and Educational Achievements - Karachi Campus

- Shaheed Zulfikar Ali Bhutto Model United Nation (ZABMUN) organized ZABMUN X-Annual Conference from December 7<sup>th</sup>-9<sup>th</sup>, 2018 at Regent Plaza. This year the theme of the conference was based on cooperation over rivalry in the New World Order. Social Events like Gatsby, Comedy night and an eventful Qawwali night were enjoyed by all participants.



- International Student Convention and Expo was held on December 12<sup>th</sup>-13<sup>th</sup>, 2018. Notable people from the Punjab Education Department, Higher Education Commission, Professors and Lecturers from various institutes attended the event. Representatives from the Hungary

Embassy talked about Stipendium Hungaricum Scholarship and encouraged the audience to apply for it. 11 students from SZABIST Karachi attended simultaneous sessions on inclusion and minorities, youth and media, entrepreneurship, photography workshops and IELTS along with visits to various stalls of universities and institutes.



- SZABIST Social Sciences Society members attended the Jinnah awards held on December 15<sup>th</sup>, 2018.





## Students' Activities and Educational Achievements - Karachi Campus

- The 2<sup>nd</sup> International Students Convention was held in Lahore, Pakistan from April 16<sup>th</sup>-19<sup>th</sup>, 2019 and was attended by a seven-member team from SZABIST Karachi. The team was led by Muneeb Baig, Former Vice President SSC.



- SZABIST SSC organized LEAD Convention'19 from April 19<sup>th</sup>-21<sup>st</sup>, 2019 at SZABIST and Pearl Continental Hotel Karachi. The Convention endowed participants with the right direction to become leaders in their relevant fields, to uphold tolerance in the face of radical narratives, and to instill a sense of ownership and social innovation within society.

This year's LEAD Convention involved a series of diverse and engaging sessions ranging from a Town Hall Session, Dialogue, Panel Talks and individual Speaker Sessions that were conducted by the valued partner organizations of SZABIST. Mr. Zubair Habib, Chief CPLC graced the event as Guest of Honour.



- SZABIST SES organized an advertisement making competition titled ADWar on May 3<sup>rd</sup>, 2019 in collaboration with Ms. Shumaila Kashif and the Advertising students. 18 teams participated in the competition.





### b. Sports

- RCoSKM organised The Amazing Race on September 27<sup>th</sup>, 2018 in which participants were divided into teams and asked to find the clues which were to be completed within a designated time frame. This event allowed the freshmen to explore the depths of SZABIST's various campuses and to interact with fellow students from various other programs and semesters.



- Futsal tournament was arranged by SZABIST Sports Society SSS on October 13<sup>th</sup>, 2018 for all SZABIST students particularly the freshmen.



- A friendly Soap Soccer Competition was organized by SZABIST Sports Society SSS in collaboration with Karachi Campus SZABIST Lions Club. The event took place at SZABIST on October 17<sup>th</sup>, 2018.





## Students' Activities and Educational Achievements - Karachi Campus



- On October 18<sup>th</sup>, 2018, SZABIST Sports Society organized an E-gaming competition. Counter Strike 1.6 was installed in all the computers and the groups comprising of 5 players were permitted to go up against one another.

- Inter-Societies Cricket Mix tournament was organized by SZABIST Sports Society SSS on November 3<sup>rd</sup>, 2018.





- A 3-day Women Sports Fest was organized by SZABIST Sports Society SSS on December 3<sup>rd</sup>-5<sup>th</sup>, 2018. Different educational institutes took part in the festival.



- SZABIST Football Team participated in HEC Football Tournament held on December 25<sup>th</sup>, 2018 at Korangi Baloch Football Stadium.



- ZabOlympics'19 was organized from February 28<sup>th</sup>-March 3<sup>rd</sup>, 2019 at Vital Five Academy and Sindh Sports Board Complex simultaneously. All the athletes from Karachi were invited to participate in ZabOlympics 2019 organized by SZABIST Sports Society SSS. Cricket, hardball, futsal, volleyball, throw ball, badminton, table tennis, basketball, and e-gaming were amongst the games which were played.

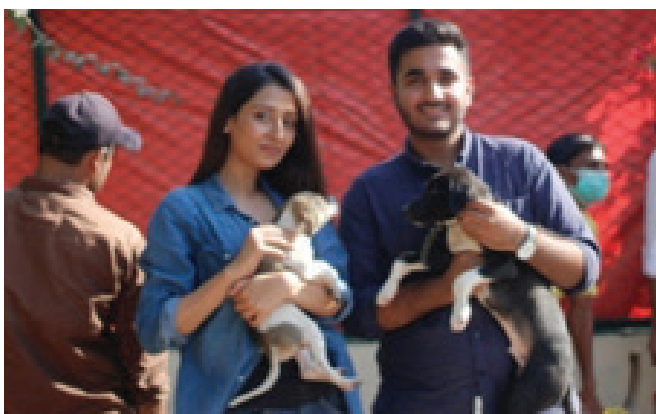






### c. Community Service

- The Karachi SZABIST Campus Lions Club KSCLC arranged a trip to Ayesha Chundrigarh Foundation, Malir on October 6<sup>th</sup>, 2018 to spend time with the animals there and provide monetary help for veterinary purposes and food supplies.



- A seminar on breast cancer awareness was organized by SSC on October 29<sup>th</sup>, 2018 in which survivors spoke about their journey through the affliction and raised awareness.



- A Beach clean-up drive was organized by AIESEC along with Dettol, Pakistan on October 13<sup>th</sup>, 2018 at Clifton Beach, Seaview. KSCLC members represented SZABIST and helped out in cleaning the beach.



- The EB represented SZABIST Karachi Lions Club upon invitation at a plantation drive hosted at Mazar-e-Quaid on October 29<sup>th</sup>, 2018.



- The LIONS Club collaborated with Meal Donate-an NGO that helps provide food for people in impoverished areas and collected donations in SZABIST. On November 18<sup>th</sup>, 2018, the members went to the designated areas to distribute meals to the inhabitants.





## Students' Activities and Educational Achievements - Karachi Campus

- The members of SSC volunteered at the Special Olympics Youth Academy Program at DEWA Academy held on November 24<sup>th</sup>, 2018 to assist the children who were either autistic, slow learners or afflicted with Down syndrome etc. It was an interactive session where members were directly involved with the children and played games with them, aiding towards their rehabilitation and skill development.



- A Winter Clothing Drive was initiated by SZABIST Lions Club by setting up a stall for 3 days to gather donations. The members then went to the designated locations for distributing the collected clothing items to the needy.



- SZABIST Lions Club collaborated with K7 Fitness and Kickboxing Academy for organising a Self Defense workshop on December 4<sup>th</sup>-5<sup>th</sup>, 2018 to give SZABIST students a chance to dabble in the art of kickboxing and learn a few moves for themselves. The students spent a 90 minute session with the trainers from the academy who covered various aspects of kickboxing.





- Karachi SZABIST Campus Lions Club members volunteered at NOWPDP One Window Special CNIC Camp from January 7<sup>th</sup>-11<sup>th</sup>, 2019 where they were assigned duties at different stations. All members helped in guiding the crowd and other members at their post. The camp was successful in granting CNICs to 701 persons with disabilities and certifying 1157 people.



- SZABIST Lions Club volunteered at the Lakson Investments 4th SOP Unified Marathon 2019 held on February 17<sup>th</sup>, 2019. Members were assigned duties of managing the registrations desk, ushering the runner, distributing colored bands based on kilometers covered, time keeping, and providing security and doing photography.



- The members of Lions Club volunteered at the KDSP Carnival held on February 24<sup>th</sup>, 2019 at Moin Khan Academy. Karachi Down Syndrome Program (KDSP) is an organization that works for the welfare of people with Down syndrome.



### d. Arts and Culture

- "Halloween Scream Screen" was arranged by the SZABIST Literary Society on November 6<sup>th</sup>, 2018, screening 'The Autopsy of Jane Doe' at 154 Media Studio.



## Students' Activities and Educational Achievements - Karachi Campus



- A team comprising of senior and junior members of the SZABIST Performing Arts society (ZABPAS) traveled to Lahore to participate and perform at LUMS drama festival. They performed a play named Juloos in front of a live audience on November 11<sup>th</sup>, 2018.



- SSC organized a beach party at Cape Monze on November 11<sup>th</sup>, 2018. The annual SZABIST Student Council beach trip was arranged mainly as a part of Freshmen Induction Week.



- Music heads Salman and Saqib from SZABIST Performing Arts Society represented SZABIST at IBA Karachi's Got Talent organized by IBA on December 6<sup>th</sup>, 2018 and won first prize. The fields of participation were wide including singing, dancing, poetry, art, magic, comedy etc.



- A tour to the historical State Bank Museum was arranged by SZABIST SSC on December 7<sup>th</sup>, 2018. The guide and the documentary provided a detailed timeline of inventions and changes in the economy of the region. The students were also shown the paintings by the renowned painter Sadequain.





- SZABIST Literary Society organized an open mic night called "Purani Jeans and Guitar" on December 13<sup>th</sup>, 2018 in 153 Garden. Musicians, Beat Boxers, Story Tellers, Stand-up Comedians and Poetry Reciters lit up the stage with their talented performances.



- SZABIST Performing Arts Society organized ZABTHEATRE'19 on February 13<sup>th</sup>-14<sup>th</sup>, 2019 at the Pakistan Arts Council, Karachi. Famous celebrities, representatives from NAPA and Provincial Minister Saeed Ghani attended the event. A total of 7 teams from different schools and universities participated in the event. Various performances and Talent Hunts were set up to entertain the audience during the event by PAS members.



- SZABIST Performing Arts Society organized ZABANADGE II first part of which was held on February 27<sup>th</sup>, 2019 at the Media Studio, SZABIST. A total of 5 music bands performed and competed against each other to qualify for the finals. The finals were held on March 16<sup>th</sup>, 2019. The finals included performances by the competing bands and also by celebrities Abdullah Sheikh, Anna Salman and Jason Anthony.



- Annual Concert was organized by the SZABIST Student Council SSC on March 21<sup>st</sup>, 2019 at the National Sailing Centre where one of the renowned pop rock bands of Pakistan "Strings" acclaimed for their stringed rhythms and melodious poetic songs were invited to perform.





- On April 19<sup>th</sup>, 2019, the SZABIST Performing Arts Society organized a theatrical play 'Refuge' in collaboration with the National Academy of Performing Arts (NAPA). The play was an outcome of the workshops NAPA conducted at SZABIST throughout the year. The play was written and directed by the NAPA instructor Kashif Hussain.



### e. Technical

- On October 18<sup>th</sup>, 2018 a setup of VR Screening was arranged at SZABIST Karachi. The game was developed by a student of SZABIST. Students and Faculty members tried out the VR free of cost. The setup team did great work and was there to guide every person who tried the VR.



- SZABIST ACM Society arranged a FOP workshop on October 19<sup>th</sup>, 2018 for first year BSCS students who usually face issues during programming courses. The session was led by 2 third year students who have a very thorough understanding of the code and logic building. Dr. Adeel Ansari also conducted the session and guided the students on how to get better at programming and logic building while coding.





## Students' Activities and Educational Achievements - Karachi Campus

- FOP workshop was organized by SZABIST ACM Society on December 7<sup>th</sup>, 2018 for the BSCS students. Mr. Fareed Ahmed Khan from the organization Vector 3 led the workshop and helped the students with their confusions and queries.



- A 2-day workshop was organized by the ACM society on February 28<sup>th</sup> - March 1<sup>st</sup>, 2019. The workshop allowed students to develop 2D games and portray their skills.

- The ACM society organized a competition titled Project Scala on December 7<sup>th</sup>, 2018. The students were tested on their MVC ASP.Net skills.



- IBM Artificial intelligence workshop was arranged by SZABIST ACM Society on December 10<sup>th</sup>, 2018 to introduce the students to this field. The instructors were Mohammad Ali and Mike Ashley from IBM. They showed their new AI technology and helped the students in creating a chat bot.



### II. Students' Activities and Educational Achievements-Islamabad Campus

SZABIST Islamabad Campus motivates students to participate in student activities and competitions that lead to their professional development. During 2018-2019, students organized various events and trips. The details of the student activities are given below:

- PEMRA team visited SZABIST Islamabad Media Department on October 25<sup>th</sup>, 2018.



- On November 19<sup>th</sup>, 2018, Representatives of Chinese Universities visited SZABIST Islamabad, Media Sciences Department.



- A seminar on Stress Management was organized for students on November 19<sup>th</sup>, 2018.



## Students' Activities and Educational Achievements - Islamabad Campus



- A music program in Media Sciences Department was organized on November 29<sup>th</sup>, 2018.



- An Essay Writing Competition was organized for the students of BBA on November 20<sup>th</sup>, 2018.





## Students' Activities and Educational Achievements - Islamabad Campus

- Gilgit Baltistan Day was celebrated at Islamabad Campus on December 4<sup>th</sup>, 2018.



- Madam Azra Fazal Pechuho, Chancellor SZABIST visited SZABIST Media Science Department, Islamabad on December 5<sup>th</sup>, 2018.



- Sindhi Topi and Ajrak Day was celebrated at Islamabad Campus on December 6<sup>th</sup>, 2018. BoT Chairperson Mr. Bilawal Bhutto Zardari, Mr. Farhat ullah Babar, Mr. Raja Pervaiz Ashraf, Ms. Sherry Rehman, Mr. M Nawaz Khokhar and Mr. Sardar M. Umar Gorgaij graced the celebration with their presence.







- ZAB Extravaganza was organized on December 6<sup>th</sup>, 2018.



- Social Awareness Campaign was carried out through different Plays and Poster competitions on December 10<sup>th</sup>, 2018.

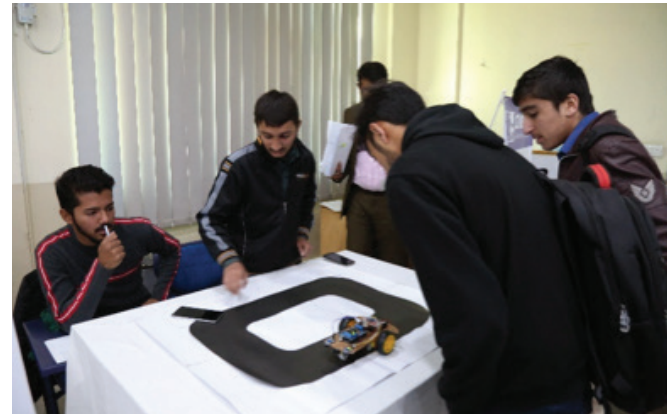


- 2<sup>nd</sup> Inter University Three Minute Thesis (3MT<sup>TM</sup>) Competition 2018 was organized on December 11<sup>th</sup>, 2018.





## Students' Activities and Educational Achievements - Islamabad Campus



- 6<sup>th</sup> Media Festival was organized on December 18<sup>th</sup>, 2018.



- SZABIST students participated in 2<sup>nd</sup> Inter-University Computer Hardware Projects Exhibition and Competition held on December 15<sup>th</sup>, 2018.





## Students' Activities and Educational Achievements - Islamabad Campus



- 1<sup>st</sup> Bilingual National Debate Competition was held on February 6<sup>th</sup>, 2019.

- SZABIST Islamabad students visited Rawalpindi Chamber of Commerce and Industry on February 13<sup>th</sup>, 2019.





## Students' Activities and Educational Achievements - Islamabad Campus

- On February 21<sup>st</sup>, 2019, Book Fair at SZABIST Library Islamabad Campus was organized.



- A Sufi Night was organized on February 28<sup>th</sup>, 2019.



- Japanese Deputy Ambassador visited SZABIST Islamabad on March 3<sup>rd</sup>, 2019.



- Women's Day ceremony organized at National Police Academy, Islamabad on March 3<sup>rd</sup>, 2019 was attended by SZABIST students.





## Students' Activities and Educational Achievements - Islamabad Campus



- A seminar titled Characteristics of Graduates for Employability was organized by inviting Telenor Director HR on March 6<sup>th</sup>, 2019.



- Sports Week 2019 was celebrated at SZABIST Islamabad during March 25<sup>th</sup>-29<sup>th</sup>, 2019.



- Seminar by IG POLICE Islamabad on Drugs Free Islamabad was organized on March 20<sup>th</sup>, 2019.





## Students' Activities and Educational Achievements - Islamabad Campus



- SZABIST Islamabad students visited METRO Cash n Carry on April 4<sup>th</sup>, 2019.



- ZAB Extravaganza 2019 was organized on April 4<sup>th</sup>, 2019.



- Clean and Green Pakistan Walk was organized by SZABIST Islamabad on April 11<sup>th</sup>, 2019.



- SZABIST Islamabad students visited HATAR INDUSTRIAL ESTATE on April 20<sup>th</sup>, 2019.





## Students' Activities and Educational Achievements - Islamabad Campus

- Job Fair was organized by EDC on April 29<sup>th</sup>, 2019. President SZABIST-Madam Shahnaz Wazir Ali visited the job fair.
- Pakhtoon Culture Day was celebrated at SZABIST Islamabad on April 30<sup>th</sup>, 2019.





### III. Students' Activities and Educational Achievements-Larkana Campus

At Larkana campus, substantial consideration is given to develop both professional and personal skills of students. The Campus management encourages its students to organize, participate and engage in activities that significantly improves the professional attributes. The highlights of activities organized at SZABIST Larkana Campus are distributed in students' achievements, events, educational tours and field trips and Corporate Social Responsibility (CSR) initiatives. The details of these activities are given below:

#### a. Students Achievements

- SZABIST Larkana students participated in All Pakistan Bilingual Declamation Contest 2018 held on August 8<sup>th</sup>, 2018 at Shaheed Mohtarma Benazir Bhutto Medical University Larkana.



- BBC team organized BBC She Event at SZABIST Larkana on November 9<sup>th</sup>, 2018. Anchorperson Ms. Shumayla Jafferi along with Faran Rafi (Field Producer, BBC World Service) Islamabad, Pakistan conducted the event. Female students participated and few of them had given interviews regarding their achievement and their fight against societal taboos and norms. Two students namely Rehab Shaikh and Rabia Brohi wrote a blogpost for BBC regarding Women and their role in media.



- SZABIST Larkana students organized an activity of storytelling on November 23<sup>rd</sup>, 2018. The activity was designed by the students to unfold the suspense that was hidden in the stories they presented. This activity inculcated curiosity, critical thinking and analytical ability in students. The activity was aimed to enhance and stimulate the logic and critical thinking via reasoning.



- ZAB YOUTH TALKS 2018 under the theme of IQBALIYAT was held on November 26<sup>th</sup>, 2018. It was organized by students of BBA and BSCS. It was open to all university students. Faculty member, IMC Larkana Mr. Fazal Hussain majors in teachings of Iqbal joined as a Guest Speaker.



- Business Plan Competition was organized by students of BBA and MBA on December 6<sup>th</sup>, 2018. Total 12 groups participated in the poster presentations; they were evaluated by faculty members. Finally, prizes and certificates were distributed among the participants.





## Students' Activities and Educational Achievements - Larkana Campus

- An Event titled “Digital Image Processing, OOP, Data Structure and Algorithm” was organized on April 11<sup>th</sup>, 2019.



- Student of BSCS, Yasir Altaf, participated in National Training Conference organized by Together for Tolerance Powered by Carnelian Pvt Ltd. on April 12<sup>th</sup>-14<sup>th</sup>, 2019 at Islamabad.



- Video Recording and Promotion competition was held on April 22<sup>nd</sup>, 2019 amongst the students of Media Management subject. The students recorded a voice over video to showcase the beauty of Larkana City on Social Media platforms. The purpose of performing such an activity was to engage the students in practical work.



- NTS based test was held at SZABIST Larkana Campus on April 23<sup>rd</sup>, 2019, in which students of BBA and MBA participated. The objective of this kind of test was to prepare students for job-related examinations.



- Programming Competition was organized on May 3<sup>rd</sup>, 2019 to bring together skillful and talented students from Computer Science Department to compete with spirit and fun. The competition was aimed to test their programming skills and problem-solving ability.





## Students' Activities and Educational Achievements - Larkana Campus

### b. Events

- BBA students carried out Go Green activity on September 15<sup>th</sup>, 2018 in experiential marketing subject which engaged students and other people at the campus. The purpose was to put classroom learning into practice and create awareness.



- BBA students conducted an activity HORROR SHOW on October 2<sup>nd</sup>, 2018 related to experiential marketing to engage consumers and to involve them into some fun filled activities.



- A free seminar on the preparatory classes for CSS / PCS aspirants under the supervision of qualified faculty was organized on November 14<sup>th</sup>, 2018 at SZABIST Larkana. The renowned CSP's of Larkana and nearby vicinity have participated in the session.



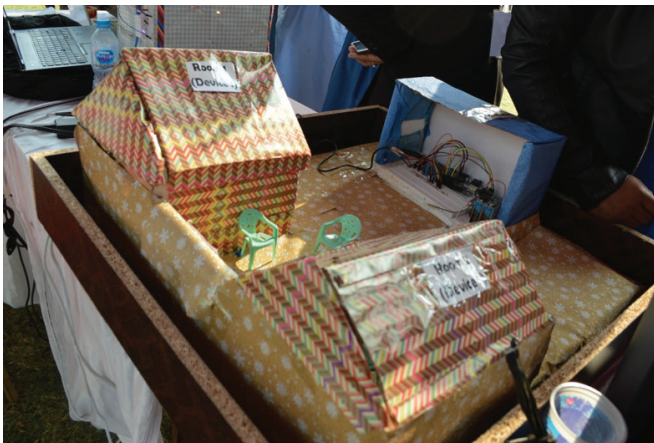
- An event titled Ronaq-e-Saqafat was organized on November 30<sup>th</sup>, 2018 by SZABIST Larkana students to give cultural exposure to the students where they showed off the different norms and rituals of 1000 years old Sindhi civilization.



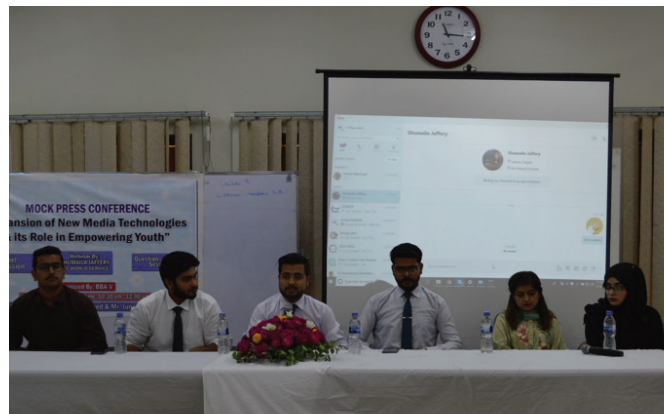


## Students' Activities and Educational Achievements - Larkana Campus

- On January 1<sup>st</sup>, 2019, Computer Science Department of SZABIST Larkana organized a Software and Hardware Exhibition for two days at Sir Shah Nawaz Bhutto Memorial Library, Larkana.



- A Mock Press Conference on "The Expansion of New Media Technologies and its Role in Empowering Youth" was organized on April 10<sup>th</sup>, 2019.



- Team Pakistan Navy conducted an awareness session at SZABIST Larkana on April 10<sup>th</sup>, 2019. The purpose of this session was to interact with the students of Business Management and Computer Sciences to let them know more information about Pakistan Navy Career Opportunities related to them.



## Students' Activities and Educational Achievements - Larkana Campus



- Team SZABIST Larkana participated in the second edition of L.E.A.D Convention'19 organized by SZABIST Karachi from April 19<sup>th</sup>-21<sup>st</sup>, 2019 which aimed to highlight issues like youth radicalization, youth leadership whilst keeping in mind the role of social innovation to bring about a positive change.



### c. Educational Tours and Field Trips

- A study trip to State Bank of Pakistan was arranged for the students of BBA on December 7<sup>th</sup>, 2018. Students were briefed about the various functions of central bank's operational arm, they were taken to different departments and their roles were accordingly briefed.

- A study trip to Pepsi Co was arranged on April 27<sup>th</sup>, 2019. The students from Marketing Management and Project Management subjects were given an opportunity to visit the production facility of the Pepsi Co at Sukkur city.



### d. Corporate Social Responsibility (CSR) Initiatives

- The Head of Campus Dr. Zahida Abro conducted a very successful motivational session on "Community Policing and Behavioral Change Bridging the Police Public Trust Gap" with Larkana's top brass Police officials and newly appointed policemen and policewomen on January 2<sup>nd</sup>, 2019 at Police Training Center Larkana.





- SZABIST Larkana observed Earth day by planting 1000 trees. This activity enlightened the students of SZABIST Larkana that how important is plantation and its impact on saving planet earth for future generation as responsible citizens and inhabitant of mother earth.



- Students and employees of SZABIST Larkana campus actively participated in the drive EIDI Sab K Liye. It was a campaign that aimed to spread happiness by sharing goodies and gifts to the needy and poor people of Larkana to help them celebrate Eid.



### IV. Students' Activities and Educational Achievements-Hyderabad Campus

SZABIST Hyderabad Campus motivates students to participate in student activities and competitions that lead to their professional development. During 2018-2019, students organized various events and trips. The details of the student activities are given below:

- SZABIST Student Council arranged Azaadi ke Rang Fresher ke Sang for fresh students of SZABIST under the supervision of student advisor on August 16<sup>th</sup>, 2018.



- SZABIST Student Council arranged Treasure Hunt 2018 for students of all programs under supervision of student advisor on August 31<sup>st</sup>, 2018.





## Students' Activities and Educational Achievements - Hyderabad Campus

- A brief Award Ceremony for USAID Scholars was organized by EDC on September 4<sup>th</sup>, 2018 where Head of Campus delivered Cash Cards and Bank Letters to students.



- Painting for Peace competition was organized by SZABIST Student Council under supervision of student advisor on September 25<sup>th</sup>, 2018.



- SZABIST Oratory Society arranged a Book Club Session in Seminar Hall on September 17<sup>th</sup>, 2018.



- SZABIST Oratory Society organized "Mushair-e-Aman" on September 26<sup>th</sup>, 2018 on account of Peace Week under supervision of society mentor.

- SZABIST Student Council organized "Log kya kahange-Season2" under the supervision of student advisor on September 12<sup>th</sup>, 2018.



- SZABIST Entrepreneur Society organized "Peace Flag Competition" in continuation of celebration of Peace Week under supervision of society mentors on September 27<sup>th</sup>, 2018.

- SZABIST BBA-4B organized training session in OB Course named "Drive for Diversity" on September 14<sup>th</sup>, 2018 under supervision of Mr. Amir Ali Khushk.



## Students' Activities and Educational Achievements - Hyderabad Campus



- SZABIST Student Council arranged a trip named “Splish Splash” to Dreamworld Resort, Karachi for students on September 30<sup>th</sup>, 2018.



- Cultural Day was celebrated by BBA students under the supervision of student advisor on November 20<sup>th</sup>, 2018.



- “Learnfest Reloaded 2018” Inauguration Ceremony was held with the collaboration of all SZABIST Societies on November 2<sup>nd</sup>, 2018.



- SZABIST Finance Society arranged a session on “Coding for Business and Finance” on November 22<sup>nd</sup>, 2018. The guest was Mr. Ahsan Memon, Lecturer CS Department.

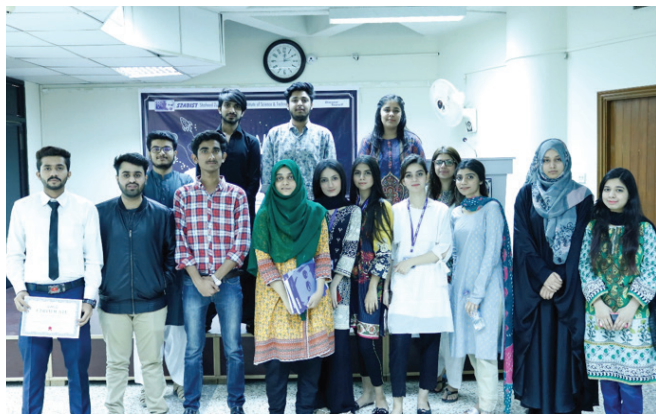


- SZABIST Student Council organized Annual Dinner for all SZABISTIANS at Pearl Banquet Latifabad, Hyderabad on December 1<sup>st</sup>, 2018.





- Ms. Shahira Mukhtar, Lecturer at MS department organized a public speaking competition titled "Story of My Life" for the students of SZABIST Hyderabad on March 1<sup>st</sup>, 2019.



- Mr. Afzal Khan Memon, Lecturer and Program Manager of MS department organized a training session for his subjected students of HRM BBA 6A and 6B on March 4<sup>th</sup>-5<sup>th</sup>, 2019.



- A debate competition titled WAR OF WORDS was organized by Mr. Bilal Khatri among BSCS and BSSE foundation students on April 12<sup>th</sup>, 2019.



### V. Students' Activities and Educational Achievements-Dubai Campus

SZABIST Dubai Campus motivates students to participate in student activities and competitions that lead to their professional development. During 2018-2019, students organized various events and trips. The details of the student activities are given below:

- A workshop on Fundamentals of Business Finance was conducted by Mr. Suleman Punjwani, an ACCA and ACMA qualified, on July 6<sup>th</sup>, 2018 for the students.





## Students' Activities and Educational Achievements - Dubai Campus

- SZABIST Dubai organized a 9-Day (July 15th-30th, 2018) workshop titled "IT tools for Teachers" for the faculty and staff of Pakistan Islamia Higher Secondary School, Sharjah. This comprehensive workshop consisted of 3 modules where 3 days were reserved for each module. The aim of workshop was to equip faculty and staff of Pakistan Islamia Higher Secondary School with IT skills like document writing, editing, referencing, presentation and data analysis using various MS Office applications.



- 71<sup>st</sup> Independence Day of Pakistan was celebrated at SZABIST Dubai on August 14<sup>th</sup>, 2018.
- A guest speaker session on Human Resource Management was organized on August 31<sup>st</sup>, 2018. Ms. Waheed Sitwat who has over 20 years of experience in Management- HRM was invited as the speaker.



- Mr. Farrukh Nazeer was invited as a guest speaker at SZABIST Dubai on September 30<sup>th</sup>, 2018 to talk about Banking Industry Practices and how do Banks Make Strategies to better serve the Customers in UAE.



## Students' Activities and Educational Achievements - Dubai Campus



- SZABIST Dubai Management Science Students visited Al Rawabi Dairy Farms with Dr. Nasreen, Dr. Naveed and Mr. Zubair in October 2018.



- Halloween event for the morning and evening programs was organized by the SZABIST Students Council SSC in October 2018.



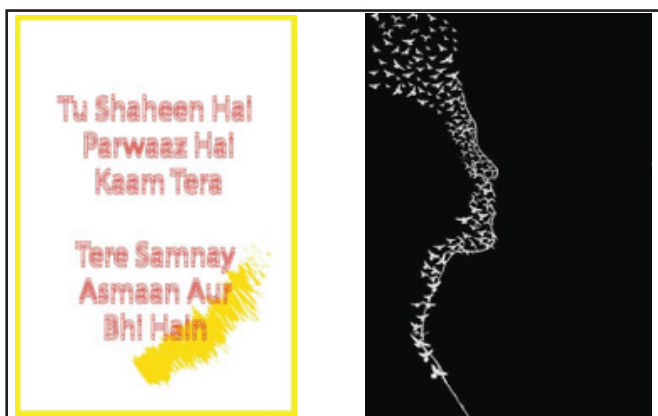
- SZABIST Media Science students visited 106.2 Big FM with Ms. Shafaq Zehra on October 9<sup>th</sup>, 2018.







- A project on Design for Social Change was organized by media students of SZABIST Dubai on October 30<sup>th</sup>, 2018. It was designed to focus on our surroundings.



- Students of media science department worked as a part of production team at the Play "Enter Macbeth" at The Junction from November 1<sup>st</sup>-3<sup>rd</sup>, 2018. The play was directed by Meghana Mundkar and produced by Asad



- An event 'Urdu meri Zaban' was organized by Ms Shafaq Zehra and media science students on November 13<sup>th</sup>, 2018.



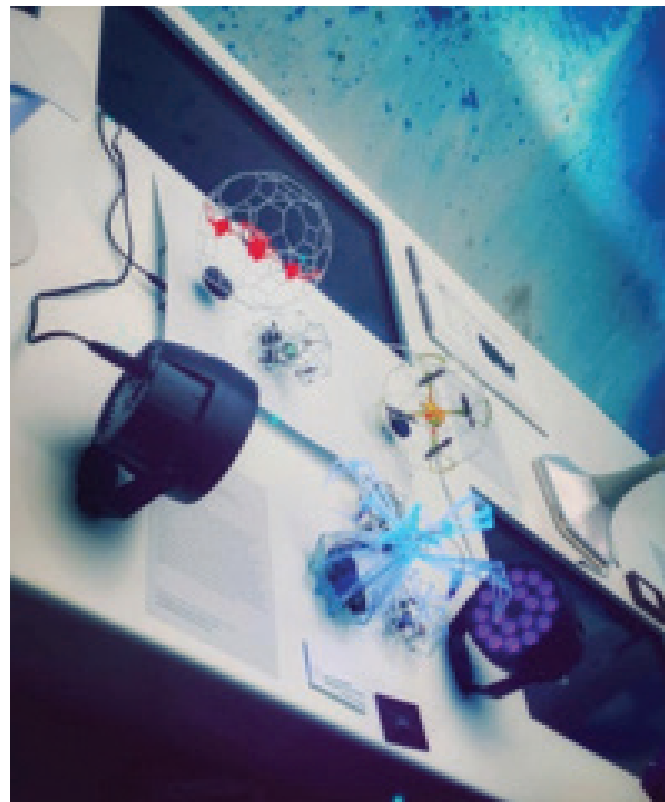
- An educational trip was organized for the students to Falaj Al Mualla museum on November 26<sup>th</sup>, 2018.



## Students' Activities and Educational Achievements - Dubai Campus



- SZABIST Dubai Cricket team participated in the BITS Cricket Tournament and won the runners up trophy on November 29<sup>th</sup>, 2018. The team was coached by Mr. Muhammad Ali Awan.



- On December 9<sup>th</sup>, 2018, an Art and Design Exhibition was organized by Media students supervised by Mr. Imran.



- BSCS students visited Dubai Design District with Ms. Rukhshunda and Mr. Zaeem Baig on December 4<sup>th</sup>, 2018.



## Students' Activities and Educational Achievements - Dubai Campus



- Media Science students visited Pulse Radio 95.0 for the show "AFTERNOON KARAK WITH ABDUL KARIM" on December 12<sup>th</sup>, 2018.



- Media Science students with Mr. Imran participated in "Own an Hour" Program by PAD on December 13<sup>th</sup>, 2018.



- BSCS students, under the supervision of Ms. Rakhshunda organized IT Innovation Day on December 15<sup>th</sup>, 2018.





## Students' Activities and Educational Achievements - Dubai Campus

- A workshop on Google AdWords and Analytics was conducted by Ms Sadaf Kamran, Marketing Director who leads digital marketing department at propertynetwork.ae, on December 15<sup>th</sup>, 2018.



- On February 28<sup>th</sup>, 2019 SZABIST cricket team won silver medals in Manipal Inter University Cricket Tournament 2019.



- A recreational trip to Bin Majid Resort was organized by SZABIST Student Council on December 17<sup>th</sup>, 2018.



- IEEE SZABIST Dubai Council organized "Lets get Romantech", an interesting live social experiment on campus supervised by Ms. Rabiya Malik on March 10<sup>th</sup>, 2019.





## Students' Activities and Educational Achievements - Dubai Campus

- SZABIST Dubai organized a workshop on March 15<sup>th</sup>, 2019 for students at Pakistan Islamia Higher Secondary School Ajman on Microsoft Excel. Certificates were distributed to the participants at SZABIST Dubai Campus.



- SZABIST Dubai campus arranged a seminar on ACCA (Association of Chartered Certified Accountants) Qualifications for students on April 25<sup>th</sup>, 2019.



- SZABIST Dubai Media Science department participated in the Short and Sweet Festival with 2 short plays "Urdu ki Yaad Main" and "Cindellala" on April 30<sup>th</sup>, 2019. Cindellala won the "Best Play" at the Short and Sweet Festival in Dubai. The students worked under the guidance of Ms. Shafaq Zehra who won the "Best New Talent Award" at the Festival as well.

- An event was organized by Computer Science students on May 12<sup>th</sup>, 2019 under the supervision of Ms. Rukhshunda Kamran to display projects showcasing Human Computer Interaction.



- The students of BSCS with CS faculty Ms. Rabiya Malik had an opportunity to visit the state-of-the-art Smart Police Station located at La Mer Dubai on May 12<sup>th</sup>, 2019. The site operates completely free from any human intervention and demonstrates the application of software and computer engineering.

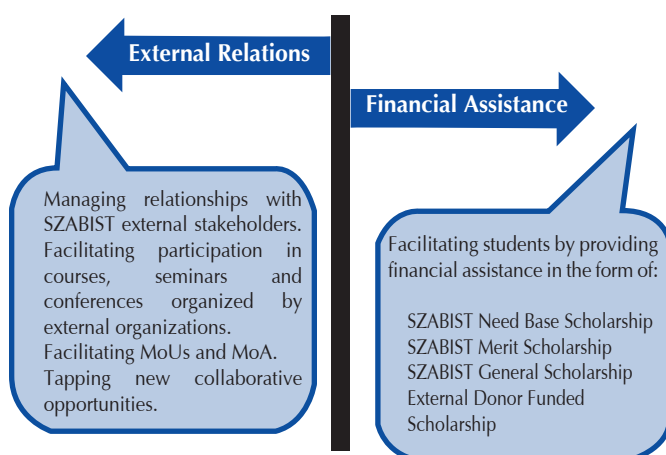




# I External Relations and Financial Assistance

The ERFA department core functions include:

- Liaising with national and international academic stakeholders.
- Reviewing, developing, and implementing MoUs/ MoAs
- Consolidating and diversifying national and international linkages.
- Facilitating participation in external organized courses, seminars, workshops and conferences.
- Providing financial assistance to students through SZABIST resources, foundations, corporate and government scholarships.



## External Relations

One of the central aim of SZABIST is to explore new opportunities and strengthen its national and international linkages with academic and corporate organizations. The linkages emphasis is to provide industry specific education, international learning opportunities and international recognition for SZABIST students and the faculty.

## MoUs signed in the year 2018-19

This year SZABIST has signed MoUs, articulation, and agreements with the following national and international organizations:

Organization Name	Objective of MoU	Date
Pakistan Sweet Homes (PSH), Islamabad	To share resources and provide internship opportunities to SZABIST students	August 9 <sup>th</sup> , 2018
Istanbul Medipol University, Turkey (Appendix)	To provide scholarship for MS/PhD programs in IMU	August 30 <sup>th</sup> , 2018

Mitsubishi Corporation, Pakistan	To provide financial aid to SZABIST students	September 18 <sup>th</sup> , 2018
Aman Health Care Services (Addendum)	To engage students in producing short videos on various themes of family planning	September 19 <sup>th</sup> , 2018
JS Bank Limited, Prime Minister Youth Business Loan PMYBL	To provide loan facility for entrepreneurship through PMYBL	September 26 <sup>th</sup> , 2018
Centre for Policy and Management Research (CPMR)	To collaborate mutually to provide capacity-building opportunities in the field of Human Resource Development	December 3 <sup>rd</sup> , 2018
Higher Education Commission (HEC)	To organize joint International and National Seminars/Conferences/ community development ideas	January 15 <sup>th</sup> , 2019
International Center for Chemical and Biological Sciences, University of Karachi, Pakistan	To provide a framework for mutually beneficial cooperation between the two parties through different activities and research projects	January 29 <sup>th</sup> , 2019
Planning and Development Department P&D, Government of Sindh	To provide trainings directed towards capacity building of professionals of P&D	February 21 <sup>st</sup> , 2019
Mehergarh	To offer internship opportunities to students and act as a change agent	March 7 <sup>th</sup> , 2019
Pakistan Centre for Philanthropy (PCP), Islamabad	To provide opportunities to students to voluntarily join the community development initiatives of PCP	March 27 <sup>th</sup> , 2019
IBA Karachi	To establish collaboration for establishing entrepreneurial center at SZABIST Larkana	April 29 <sup>th</sup> , 2019
Gul Ahmed Textile Mills, Karachi	To plant million trees at SZABIST	June 28 <sup>th</sup> , 2019
Sukkur IBA University	To fortify a long term relationship which will not only facilitate knowledge sharing but will also provide various avenues to enhance quality education in the region	July 23 <sup>rd</sup> , 2019

## External Relations and Financial Assistance



MoU signing with JS Bank on September 26<sup>th</sup>, 2018 for “Prime Minister Youth Business Loan”.



MoU signed with Pakistan Sweet Homes (PSH) and SZABIST Islamabad Campus on August 9<sup>th</sup>, 2018 for sharing mutual resources.



SZABIST Islamabad signed an MoU with Centre for Policy and Management Research (CPMR) on December 3<sup>rd</sup>, 2018 for collaborating to provide capacity-building opportunities to the people of Pakistan in the field of Human Resource Development.







MoU signing with Higher Education Commission (HEC) on January 15<sup>th</sup>, 2019 for organizing joint International and National Seminars / Conferences / Community Development Ideas through EDUTV.



An MoU was signed with Mehargarh: A Center for Learning on March 7<sup>th</sup>, 2019 for working on mutual social responsibility projects.



MoU with P&D Department of Sindh signed on February 21<sup>st</sup>, 2019 for "Research & Training to P&D staff".



SZABIST Islamabad signed an MoU with Pakistan Centre for Philanthropy (PCP) on March 27<sup>th</sup>, 2019 for providing opportunities to students to voluntarily join the community development initiatives of PCP.





MoU signing with Gul Ahmed Textiles – June 28<sup>th</sup>, 2019 for “*Million trees plantation drive*” for all Campuses of SZABIST in Sindh.



MoU between SZABIST and Sukkur IBA University was signed on July 23<sup>rd</sup>, 2019 to fortify a long term relationship for enhancing quality education in the region.

## National & International Linkages

SZABIST believe that international collaboration is central to achieving our mission of building a better world through higher education. By collaborating, SZABIST helps to advance knowledge, promote understanding, and broaden minds of the students. With the national and international linkages our students and faculty are provided with various benefits such as, grants, fellowships, residency programs, workshops, seminars, and access to their research journal. SZABIST is a registered member of the following international and national associations:

1. International Association of Universities (IAU), Paris.
2. Association of Commonwealth Universities (ACU), London.
3. Asia-Pacific Quality Network (APQN), People's Republic of China.
4. Coventry University, UK.
5. University of London, UK.
6. The Talloires Network, USA .
7. The Chartered Institute of Logistics and Transport (CILT), UK.
8. The Association to Advance Collegiate School of Business (AACSB), Singapore.
9. Management Association of Pakistan (MAP), Karachi.
10. Marketing Association of Pakistan (MAP), Karachi
11. Human Resource Development Network (HRDN), Islamabad .

## Seminars, Workshops & Academic Events in collaboration with ER

In collaboration with national and international stakeholders, during the academic year 2018-2019 following informative seminars, conferences, and lectures were organized by the ERFA department.

### SZABIST Study visit to Turkey

Study visit was organized in the academic year 2018-19. During the 10 days trip, students were taken to top Istanbul universities to explore International Postgraduate Degree Options and experience student-life in Turkey. Below is the list of universities visited during the study visit tour:

- Sabanci University
- KOC University
- Istanbul Bilgi University
- Bahcesehir University





SZABIST Study Visit to Turkey - August 2<sup>nd</sup>, 2018

### South Asia Tour – United States Education Foundation Pakistan (USEFP)

International guest speaker session from top US Universities in association with USEFP was organized, dedicated to helping students to discover the numerous educational opportunities available in the United States by connecting them with representatives from accredited U.S. colleges and universities. Final year students of all the departments

participated and applied on the spot for admission in the US universities. Following US universities representatives participated in the event:

- Western Kentucky University
- Ohio University
- University of Colorado Boulder
- New York Film Academy
- New York Institute of Technology



USEF – South Asia Tour at SZABIST – February 11<sup>th</sup>, 2019

### US Fulbright Scholarship - United States Education Foundation Pakistan (USEFP)

An interactive session with United States Education Foundation for last semester students of undergraduate programs and faculty was conducted at SZABIST Karachi Campus. USEF Education Advisors from Karachi and Islamabad; Mr. Faraz Hussain and Ms. Katherine Aziz guided students on applying for US Fulbright scholarship.



Fulbright Scholarship in USA - United States Education Foundation Program – April 3<sup>rd</sup>, 2019

### Workshop on Digital Marketing in 2019 and beyond - how to stay relevant

ERFA facilitated participation of faculty members in the Digital Marketing trends workshop organized by the Marketing Association of Pakistan.

### Consolidating and diversifying linkages

- ERFA Manager participated in British Council event organized by Study UK Team, "Ulster University Orientation Program" on March 21<sup>st</sup>, 2019. The session was focused on exclusive information about higher education opportunities at Ulster University and in Northern Ireland-UK for students from Pakistan. The session was conducted by Country Manager-Pakistan, Ulster University at British Council Library.



Study UK Program Meeting at British Council on March 21<sup>st</sup>, 2019

- A delegation of U.S. Consulate General Karachi visited SZABIST Larkana on Wednesday, April 17<sup>th</sup>, 2019 and addressed the students regarding the Scholarships & Exchange Opportunities.

The main discussion points during the visit were as follows:

- Women Education and Empowerment in Pakistan through cultural ties
- Planning and promotion of underprivileged students
- Opportunities for students to visit the USA and for study trips and internships
- Opportunities to facilitate students of underprivileged areas such as educational institutions in interior Sindh
- Opportunities for the advancement of democracy, peace, security, and economic development in Pakistan and in the region
- The challenges of socio-economic development in interior Sindh
- Providing training and orientation sessions related to different academic and professional exchange programs
- Providing free after-school classes and intensive learning activities to provide youth with practical skills that help equip them for today's job market





### Financial Assistance

As part of its social responsibility, SZABIST has developed a robust financial assistance program which is bifurcated into Merit and Need based scholarships.

Scholarships cover full or partial tuition fee, however, in some cases scholarships also cover books, boarding, transportation, monthly stipend and admission fee. A fair and transparent process is adopted to select the students for these scholarships. The process entails short listing of candidates on the basis of objective criteria, followed by a panel interview to assess the candidates' financial eligibility. In case of scholarships funded by external donor agencies, the selection process also includes physical verification of student's information prior to award of the scholarship.

### Financial Assistance Provided by SZABIST

Scholarships are funded by means of the institute's funds, these include;

- **SZABIST Need-Based Scholarship**

- ◆ **Criteria**

- Annual family income should be lower than PKR 900,000.
    - Student should have a minimum GPA of 2.5.

- **SZABIST Merit-Based Scholarship**

- ◆ **Criteria**

- Student should have a minimum GPA of 3.7 to be eligible.
    - Scholarship is awarded to the student with highest GPA in section.

### Financial Assistance Provided by External Donor Agencies

In addition to the internal financial aid provided by the institute, SZABIST has collaboration with various external agencies which help in providing scholarships for SZABIST students such as: -

- United States Agency for International Development (USAID)
- HEC Indigenous PhD 5000 Fellowship Program
- Sindh Endowment Fund
- Chief Minister Merit & Need base Scholarship
- Baluchistan Endowment Fund
- National ICT R&D Fund
- Ihsan Trust (Interest Free Loan Facility)
- Mitsubishi Corporation Scholarship
- Hilton Pharma Pvt. Limited Scholarship

To meet the specific criteria stipulated by each agency, candidates are thoroughly evaluated through in-depth interviews.





SZABIST Scholarship Interviews – August 2018



Following statistics indicate the scholarships and fee concessions provided in 2018-2019:

<b>Table 2.16: SZABIST All Campuses-Financial Assistance 2018-2019</b>			
<b>S.No.</b>	<b>Financial Assistance</b>	<b>No. of Scholarships</b>	<b>Amount (Rs. in millions)</b>
<b>A.</b>	<b>SZABIST Funded Scholarships</b>		
1	General - (10%, 25%, 30% and 50%)	9,154	333.70
2	SZABIST Need-Based	235	13.04
3	SZABIST Merit-Based	281	28.60
4	SZABIST Board of Trustees	2	0.10
5	SZABIST Employee Continuing Education	23	1.54
6	SZABIST Employee's Children Fee Concession	10	0.62
7	Sindh Police Shaheed Quota Scholarship	8	1.24
	<b>Total Internal Financial Assistance</b>	<b>9,713</b>	<b>379</b>
<b>B</b>	<b>External Donor Agencies</b>		
1	Pak-USAID Merit and Need-Based Scholarships Program – Phase II	106	14.968537
2	Sindh Endowment Fund	74	10.456474
3	Chief Minister Merit & Need-Based Scholarship Program	20	4.40492
4	HEC-Indigenous PhD 5000 Fellowship Program (All)	7	1.99
5	HEC Travel / Research Grant /Seminar & Conference (All)	17	3.64
6	HEC-Indigenous PhD 5000 Fellowship Program grant for Supervisor	1	0.05
9	National Grassroots ICT Research Initiative	13	0.188
10	NTS Need-Based Scholarship Program	-	
11	Minority Scholarships	-	
13	Ihsan Trust Qarz-e-Hasna Facility	60	2.95
14	Mitsubishi Corporation Scholarship Program	2	0.29
15	Nizamuddin Community Based Scholarship (Financial Assistance)	4	0.27
16	Sana Fame Scholarship	4	0.47
17	United Memon Jamat Scholarship	4	0.27
	<b>Total External Financial Assistance</b>	<b>312</b>	<b>39.94</b>
	<b>Total Financial Assistance</b>	<b>10,025</b>	<b>419</b>

Figure 2.2: All Campuses - Financial Assistance 2018-19

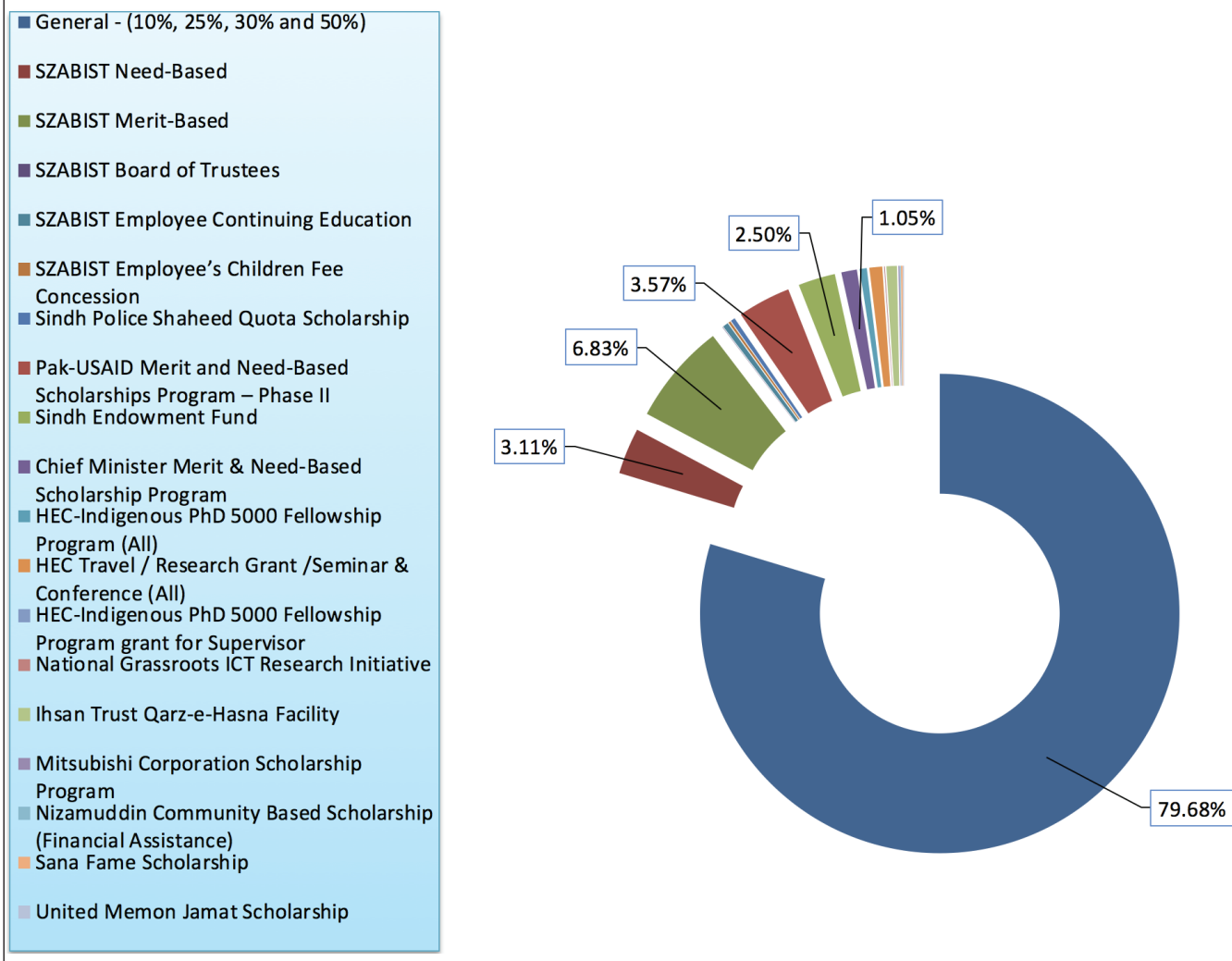
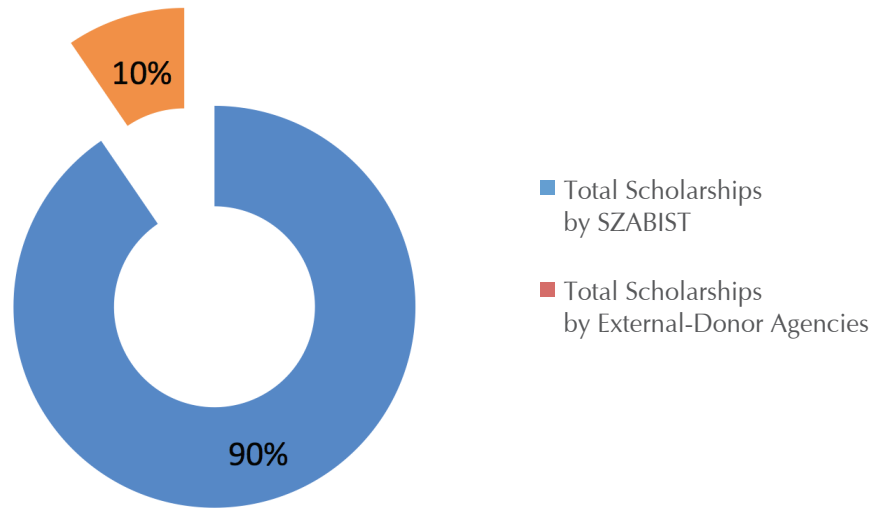




Figure 2.3: All Campuses-Financial Assistance 2018-2019 break-up between SZABIST and External-Donor Agencies



# J Executive Development Center Karachi Campus

The Executive Development Center (EDC) at SZABIST contributes towards professionally developing business, social, legal, media, life sciences, information technology and engineering students. The department facilitates SZABIST students and alumni in all their academic and professional ventures making it easier to reach their career ladder successfully.

During the period 2018-2019, EDC has performed the following activities:

**Table 2.17: SZABIST Karachi Campus- EDC Activities Summary July 2018 - June 2019**

Events and Activities	Number
On-Campus Corporate Events (Recruitment Drives)	35
Jobs and Internships Posted	3721
Total Placements Facilitated	789
Mock Interviews Conducted	117
Career Fair Participation (companies)	67
Career Fair Participation (students)	1800
Trainings and Workshops Conducted	9
Graduate Directories Distributed	154
Corporate Visits	76
Ambassador show & Testimonial Published	22


## I. Job and Internship Placements

EDC facilitates graduates in their quest for viable career options by ensuring students have timely access to information on latest jobs and internship opportunities. EDC also acts as a liaison between the students and the industry by inviting the most coveted organizations for **On-campus Recruitment Drives, Graduate Trainee Programs, Corporate Finesse Workshop, Mock Interview Week** as career related seminars, **Employer Branding Sessions/ Talent Drive** and also **HR Networking Meetup** along with offering comprehensive career counseling and advice.











**SZABIST**


Discover Yourself


MOCK INTERVIEW WEEK 2018


**DRESS APPROPRIATELY**


**ARRIVE IN GOOD TIME**


**BODY LANGUAGE**


**EXPECT THE UNEXPECTED**


**ASK QUESTIONS**






Don't Miss this Opportunity to Participate in Mock (Practice) Interviews with Employers from Various Fields.

Get Interview Tips from Professionals. Refine your Interviewing Skills and Receive Valuable Feedback.

Get Registered with EDC by Clicking on the Link Below!

Criteria:  
Final year students - open for all programs!

**Date: Nov 13<sup>th</sup> - 16<sup>th</sup> 2018**

Shahzad Zulfikar Ali Bhutto Institute of Science & Technology



## Executive Development Center - Karachi Campus



**SZABIST**

### CORPORATE FINESSE WORKSHOP

10<sup>th</sup> October to 17<sup>th</sup> October 2018

 <b>Corporate Social Responsibility</b> Ms. Hira Wajahat (Stimulus Pvt Ltd) October 10, 2018 Time: 12:00 pm	 <b>To Learn Imaginative, New Ways to Find Solutions to Tough Challenges or Issues</b> Ms. Mehreen Shoaib (Stimulus Pvt Ltd) October 11, 2018 Time: 3:30 pm
 <b>Career Development and Winning Interviews</b> Mr. Mishah Qasi (Pakistan State Oil) October 12, 2018 Time: 3:30 pm	 <b>How to Use Social Media to Market Your Skills</b> Ms. Samia Khan (Daraz Pvt Ltd) October 13, 2018 Time: 3:30 pm
 <b>Challenging Imagination</b> Mr. Zeeshan Khan (Funverks Global Pvt Ltd) October 15, 2018 Time: 3:30 pm	 <b>The Role of Body Language</b> Mr. Fiyaz Sheikh (Unilever Pakistan) October 16, 2018 Time: 3:30 pm
 <b>To Resolve Workplace Conflict and Improve Morale</b> Mr. Zain Gopiani (Funverks Global Pvt Ltd) October 17, 2018 Time: 12:00 pm	 <b>Time Management</b> Ms. Uzma Zaidi (Systems Limited) October 17, 2018 Time: 3:30 pm

**At 90 Campus Auditorium**

[f/szabistofficial](#)
[t/szabistkarachi](#)
[i/szabistofficial](#)
[t/szabistofficial](#)
[/hi.szabist.edu.pk](#)

\*For registration click on the following link <http://info.szabist.edu.pk/event.asp?Id=199>  
 \*Registration Fee Rs. 200 (Charged to Student Accounts) | \*Mandatory for Final Year Students | \*Uninformed absence will result in penalty of Rs. 5000







During July 2018- June 2019, Career Fair 2019 was organized at SZABIST on February 19<sup>th</sup>, 20<sup>th</sup> and 21<sup>st</sup>, 2019. **Career Fair** is an annual event hosted by EDC which presents a great opportunity for our students & alumni to connect with employers from diverse industries and businesses. A large number of applicants were offered jobs and internships on the spot.

Manager EDC engages with prospective employers showcasing the various academic programs at SZABIST and briefing them on how EDC can help fulfill their resource requirements. The **SZABIST Graduate Directory** is distributed to all employers of repute, a soft copy of which is also available online to serve as an effective hiring tool for employers. Feedback on the graduates is periodically sought from the employers through an **Employer Survey**.

Following are illustrations representing the internships and employment opportunities by programs 2018-2019:

Figure 2.4: SZABIST Karachi Campus- Program-wise Internship Placement 2018 - 2019

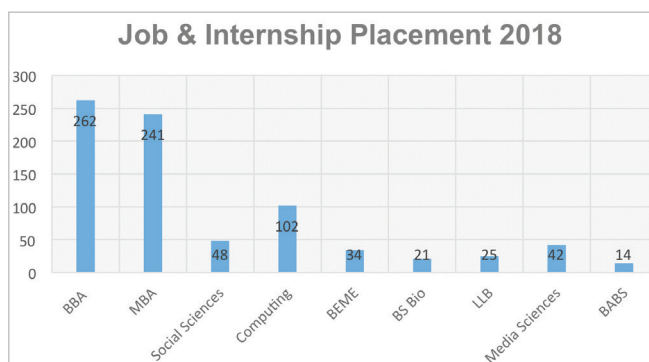
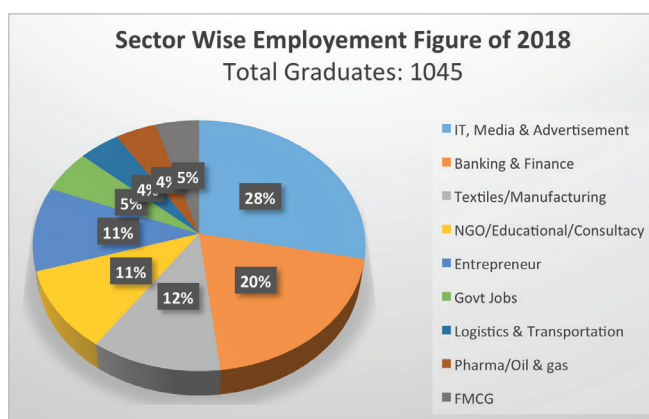


Figure 2.5: SZABIST Karachi Campus- Sector-wise Internship Job Placement 2018 - 2019



## II. Alumni Engagement

SZABIST alumni are invited to participate in various EDC activities and events. They are invited as guest speakers in **Ambassador Shows** on **ZAB FM 106.6**, as motivational speakers in **Workshops**, **Corporate Advisory Body** Alumni share their success stories on SZABIST website in the section **Alumni in Focus**. SZABIST also recognizes its alumni by presenting them **Alumni Awards** for national/international achievements.

EDC hosts an **Annual Alumni Reunion** for SZABIST alumni to maintain and strengthen relationship, provide an opportunity for socializing and making contacts. During 2018-2019, the Annual Alumni Reunion was hosted on September 30<sup>th</sup> 2018 at Arts Council Karachi and April 30<sup>th</sup>, 2019 at Carlton Hotel Karachi. The highlight of Alumni Reunion 2018 was theatre show where as ghazal night was organized in 2019, both events were followed by Dinner. **Alumni Survey** is also conducted to elicit alumni feedback regarding their market standing and the knowledge skill set attained at SZABIST.

## Executive Development Center - Karachi Campus



In addition, **SZABIST Alumni Global Association (SAGA)** is working with the prime objective to promote the welfare of the alumni and strengthen their networks.

- **Alumni Portal:** EDC is working for a separate portal to maintain the Alumni Data base and alumni will also have access to update their information through this portal. Portal is on its finalizing stage and soon it will be online for alumni.
- **SZABIST Alumni Global Association (SAGA):** SAGA has been successfully registered and following are the facilities EDC is planning to add for the Alumni Card Holders:

- Access to SZABIST library
- Computer lab
- Discounts (Retail and Restaurant)





## K Publications, Conferences and Seminars

SZABIST puts great emphasis on academic research as it enables an individual to analyze complex issues, develop analytical skills, synthesize, criticize, support and expand the ability to solve problems. Various avenues and forums are present to promote and encourage the pursuit of research at SZABIST. In addition, seminars and conferences are conducted on important topics and prominent speakers from all over Pakistan are invited to participate.

SZABIST produces two bi-annual journals; Journal of Independent Studies and Research (JISR)-Management, Economics and Social Sciences jointly by the Management and Social Sciences Departments, and Journal of Independent Studies and Research (JISR)-Computing by the Computer Sciences Department. SZABIST JISR-MESS Volume 16, Number 2 (July-December 2018) and Volume 17, Number 1 (January-June 2019) and JISR-C Volume 16, Number 1 (January-June 2018), Volume 16 Number 2 (July-December 2018) and Volume 17 Number 1 (January-June 2019) were published during the year 2018-2019.

SZABIST Islamabad and PMI Islamabad jointly hosted 7<sup>th</sup> PMI International Conference at Serena Hotel, Islamabad on October 13<sup>th</sup>, 2018.



Management Sciences Department of SZABIST Larkana organized its 1<sup>st</sup> National Research Conference on Business & Management (NRCoBM) at SZABIST, Larkana Campus on February 23<sup>rd</sup>-24<sup>th</sup>, 2019. The theme of the conference was "Emerging Trends, Opportunities & Challenges in Business".

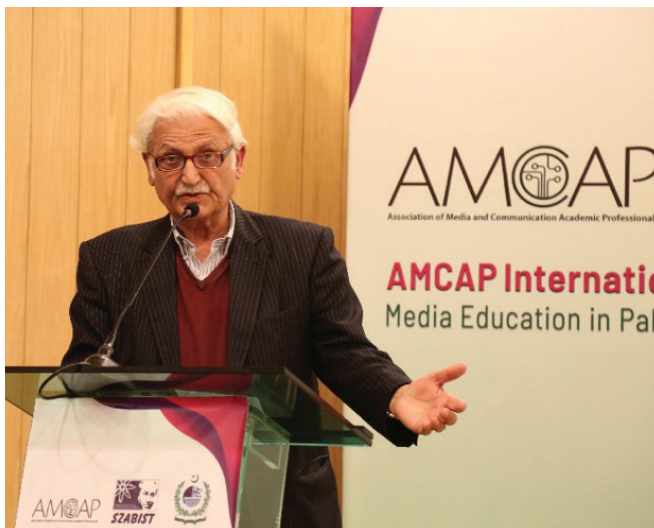




## Publications, Conferences and Seminars



SZABIST Media Sciences Department, Islamabad organized 1<sup>st</sup> International Media Conference on "Media Education in Pakistan: Challenges and Opportunities" in collaboration with AMCAP and Higher Education Commission of Pakistan at SZABIST Islamabad Campus on February 28<sup>th</sup>, 2019.



21<sup>st</sup> International Research Conference on "Knowledge Economy: A way to Entrepreneurial, Inclusive & Sustained Growth" was organized by SZABIST Islamabad on April 23<sup>rd</sup>-24<sup>th</sup>, 2019.







All campuses of SZABIST have contributed to the institution's research efforts. Detailed campus-specific information of these efforts and its output is given in Knowledge Creation and Dissemination, Annexure A.







# A

## ANNEXURE

# Knowledge Creation and its Dissemination

# Knowledge Creation and its Dissemination-Karachi Campus

## i. Journal Publications

Authors	Title	Published in
Dr. Saiqa Tabassum, Saida Haider	Extensive but not Limited Repeated Trials in Passive Avoidance Task Induce Stress-like Symptoms and Affect Memory Function in Rats	Neuroscience,371:495-505, 2018 DOI: 10.1016/j.neuroscience.2017.12.022
Dr. Saim Ahmed	Fault Tolerant Control using Fractional-order Terminal Sliding Mode Control for Robotic Manipulators	Studies in Informatics and Control (SCI), 55-64, March 2018
Sana Zaidi, Naveed R. Khan, Najmunnisa Khan	Organizational Factors, Teachers' Professional Development and Teaching Practices: Findings from Female Elementary School Teachers	International Journal of Experiential Learning & Case Studies vol. 3(1), Pages 84-96 (2018)
Ghazala Rahman Rafiq	Sindh Studies: An Experiment in Peaceful Plurality	"The Bulletin" The Magazine of The Association of Commonwealth Universities (Bulletin 194 August 2018)
Dr. Saiqa Tabassum	Administration of 5-HT-1B agonist ameliorates pseudodementia induced by depression in rats	Pakistan Journal of Pharmaceutical Sciences Vol.31, No.5(Suppl), pp.2179-2184, September 2018
Dr. Salman Ahmed Shaikh	Intertemporal Consumption Behaviour in OIC Countries	International Journal of Islamic and Middle Eastern Finance and Management, 11(4), 529-552 - November, 2018
Dr. Salman Ahmed Shaikh	Making sense of our existence: the scientific and religious worldview	International Journal of Ethics and Systems, 34(4), 593 – 607
Dr. Saiqa Tabassum	Impact of 1-day and 4-day MWM training techniques on oxidative and neurochemical profile in rat brain: A comparative study on learning and memory functions	Elsevier Neurobiology of Learning and Memory, Volume 155, Pages 390-402 November, 2018
Farhan Uddin Raja, Dr. Najmonnisa Khan	Comparing Traditional Teaching Method and Experiential Teaching Method using Experimental Research	Journal of Education and Educational Development Vol 5, No 2 - page 276-288, 2018
Sarmad Hameed, Muhammad Hamza Khan, Muhammad Bilal Taak, Adeel Azfar Khan, Muhammad Faizan Kazim	Smart Patient Room	Indian Journal of Science and Technology Volume 11, Issue 46, Pages 1-8, December, 2018
Rehman, Butt, Khwaja and Kashif	Analyzing the Link Between Accounting Sensitive NonDebt Tax Shields and Investment Opportunity Set	Public Finance Quarterly, State Audit Office of Hungary, vol. 63(4):549-566



# Knowledge Creation and its Dissemination-Karachi Campus

Authors	Title	Published in
Dr. Shehla Najib Sidiki	Student Protests in Universities: Exploring the Model for Crisis Management, Crisis Leadership and Organizational Learning	ILMA journal, 2018
Dr. Imran Omer	An Empirical Evidence of Overreaction Hypothesis on Karachi Stock Exchange (KSE)	Asian Economic and Financial Review, 8(4), 449-465, 2018
Dr. Imran Omer	Are Stock Prices a Random Walk? An Empirical Evidence of Asian Stock Markets	Etikonomi, 17(2), 237-252, 2018
Dr. Saqlain Raza	Entrepreneurial Network Towards Small Firm Performance Through Dynamic Capabilities: The Conceptual Perspective	Academy of Entrepreneurship Journal. 24(4).1-9. ABDC & Scopus Q3, 2018
Dr. Saqlain Raza	Dissection of Small Businesses in Pakistan: Issues and Directions	International Journal of Entrepreneurship. 22(4).1-13. ABDC & Scopus Q3, 2018
Dr. Mustansar Hayat	Impact of Managerial and Institutional Ownership on Capital Structure: A Comparison Between China & USA	European Journal of Business and Management, Vol.10, No.24, 2018
Dr. Mustansar Hayat	Impact of FDI on Economy: A Comparative Study of China and Latvia	Journal of Economics and Sustainable Development, Vol.9, No.16, 2018
Dr. Salman Ahmed Shaikh	Towards an Integrative Framework for Understanding Muslim Consumption Behaviour	Emerald Humanomics, 2018, Volume 33, Issue 2
Dr. Muhammad Saeed Shahbaz	Theoretical Framework Development for Supply Chain Risk Management for Malaysian Manufacturing	International Journal of Supply Chain Management, 7(6), 325-338, 2018
Dr. Muhammad Saeed Shahbaz	Stakeholders' Management Approaches in Construction Supply Chain: a New Perspective of Stakeholder ' S Theory	International Journal of Sustainable Construction Engineering & Technology, 9(2), 16-26, 2018
Dr. Sarah Wali Qazi	Labelling them is negating them: A phenomenological study of stereotypes and followers' experiences about women leadership in Pakistan	Management Research Review.(Emerald), 2018, Volume 42, Issue: 3, Page:391-411, International Journal of E-Business Research (IJEER), 15(1), 75-88, 2019
Dr. Sarah Wali Qazi	Phenomenological Experiences and Perception of Women through Microcredit Programs: Steps towards the Empowerment	NICE Research Journal of Social Science. ISSN: 2219-4282, Vol. 11(2) pp. 200-222, 2018
Dr. Adeel Ansari	Performance Analysis of MultiACK-SFAMA for Underwater Acoustic Networks	Springer US, Wireless Personal Communications, 2018

# Knowledge Creation and its Dissemination-Karachi Campus

Authors	Title	Published in
Dr. Adeel Ansari	Skin depth verification of the electromagnetic waves for hydrocarbon detection,	International Journal of Applied Electromagnetics and Mechanics, pg 1-16, 2018
Dr. Mudassar Aziz	Intimate Partner Violence And Psychological Distress: Mediating Role Of Stockholm Syndrome	Pakistan Journal of Psychological Research, 33(2), 541-557, 2018
Dr. Saim Ahmed	Model-free control using time delay estimation and fractional-order nonsingular fast terminal sliding mode for uncertain lower-limb exoskeleton [J]	Journal of Vibration and Control (SCI), 24(22): 5273–5290, 2018
Dr. Salman Ahmed Shaikh	Exploring Dynamics of Private Giving as Income Support Institution for Endowment Deficient Consumers	Journal of Islamic Economics, Banking and Finance, 14(1), 146 – 167, 2018
Dr. Salman Ahmed Shaikh	Role of Islamic banking in financial inclusiveness in Pakistan: promise, performance and prospects	International Journal of Financial Services Management, 9(1), 88 – 102, 2018
M ul Hassan, Kumar, S., Kumar, H., Kumar, K., Hameed, S., & Fatima, K.	Real Time Water Quality Monitoring Boat	Multidisciplinary Digital Publishing Institute Proceedings, 2(20), 1279., 2018
Dr. Saiqa Tabassum	Acute aluminum chloride toxicity revisited: Study on DNA damage and histopathological, biochemical and neurochemical alterations in rat brain	Elsevier Volume 217, Pages 202-211, 15 January 2019
Dr. Saiqa Tabassum	Neurobehavioral and biochemical effects of magnesium chloride (MgCl <sub>2</sub> ), magnesium sulphate (MgSO <sub>4</sub> ) and magnesium-L-threonate (MgT) supplementation in rats: A dose dependent comparative study	Pakistan Journal of Pharmaceutical Sciences Vol.32, No.1(Suppl), pp.277-283, January 2019
Tabinda Naeem & Dr. Najmonnisa	Practices of teachers regarding gender friendly classroom at primary level: A qualitative investigation	International Journal of Academic Pedagogical Research (IJAPR) ISSN: 2643-9123 , Volume3 (1) Pages 1-8
Rabia Aslam & Dr. Najmonnisa	Perceptions and practices of science teachers about professional development at secondary school level: A phenomenological study	International Journal of Academic Pedagogical Research (IJAPR)ISSN: 2000-004X Vol. 3 Issue 1, Pages: 9-15 January, 2019
Ushaque Ahmed & Dr. Najmonnisa	English Language Learning Anxiety: A case study of secondary government school's student of District Larkana, Sindh	International Journal of Academic Pedagogical Research (IJAPR) ISSN: 2000-004X Vol. 3 Issue 1, Pages: 16-21 January – 2019



# Knowledge Creation and its Dissemination-Karachi Campus

Authors	Title	Published in
Mr. Farhanuddin Raja	Perspective of Management Science Students Towards the Usage and Importance of Business English at a Private Sector Business School	Pakistan Business Review, 20 (4), 936-951.
Dr. Muhammad Aqil	Factors Influencing the Profitability of Heavy Vehicle Industry: A Case of Pakistan	MONTENEGRIN JOURNAL OF ECONOMICS. 1800-584. Vol 15 pp 61-72, March 2019
Dr. Salman Ahmed Shaikh	Cross Section of Stock Returns on Shari'ah Compliant Stocks: Evidence from Pakistan	Emerald International Journal of Islamic and Middle Eastern Finance and Management, Volume 12(Issue 2), 282-302 - April 2019
Dr. Husnain Mansoor Ali	Swarm of Unmanned Aerial Vehicles Communication Using 802.11g and 802.11n	IJCSNS International Journal of Computer Science and Network Security, VOL.19 No.4, April 2019
Dr. Husnain Mansoor Ali	A Study of Mobility Models for UAV Communication Networks	3C Tecnología. Glosas de innovaciyn aplicadas a la pyme. Special Issue, pp. 276-297, May 2019
Dr. Naeem Akhtar	Testing ERE Cycle in Teaching Business Communication Courses: Experiential Learning Strategies	Journal of Education & Educational Development (JOED), Vol 6, Issue 1, June, 2019
Dr. Shehla Najib Sidiki	CPEC: Threat or Opportunity Protecting Local Industry through Infant Industry Theory Framework	Asian Social Science and Education, 2019, Online Published: Vol. 15, No. 10; 2019 September 29, 2019
Dr. Saiqa Tabassum	Alleviation of diazepam-induced conditioned place preference and its withdrawal-associated neurobehavioral deficits following pre-exposure to enriched environment in rats	Elsevier Physiology & Behavior Volume 208, 1, 112564, September 2019
Mr. Farhanuddin Raja	Novice Students' Perspective towards the usage and importance of Business English at a private sector university	Pakistan Business Review. 20(4), 2019
Muhammad, G., Shamsi, A. F.,	A Valid and Reliable HR Audit Research Scale Development	International Journal of Future Generation Communication and Networking, Vol. 12, No. 5, pp.25-34. (ESCI), 2019
Khan, M., N., Shamsi, A., F., Azia, A	Impact of Human Resources and Its Interventions on Competency Based Employee Performance in Pakistan	International Journal of Future Generation Communication and Networking Vol. 12, No.5, pp.46-60. (ESCI), 2019
Dr. Kamran Ahmed Soomro, Dr. Muhammad Aqil	Impact of Perceived Authentic Leadership on Employees' Positive Emotions during Organizational Change	Journal of Organizational Behavior Research, 4(1). 186-198, (2019)

# Knowledge Creation and its Dissemination-Karachi Campus

Authors	Title	Published in
Dr. Sahar Awan	Priming in Behavioral Public Administration: Methodological and Practical Considerations for Research and Scholarship	International Public Management Journal, Volume 23, Issue 1, Page 113-137, 2019
Dr. Imran Omer	Analysis of Size Portfolios and Risk Factor Loadings of Asset Pricing Models-Threshold Regression Approach	Academy of Accounting and Financial Studies Journal, 23(1), 1-14,2019
Dr. Saqlain Raza	The Impact of Entrepreneurial Business Networks on Firms' Performance Through a Mediating Role of Dynamic Capabilities.	Sustainability, 11(11), 3006.SSCI, JCR & Scopus Q2,2019
Dr. Saqlain Raza	Employee Creativity: A Mechanism for Closing Research Lacunas in the High Performance Work System (HPWS)-Firm Non-Financial Performance Nexus:	International Journal of Innovation Management, 2050052. ESCI, ABDC, ABS & Scopus Q2,2019
Dr. Saqlain Raza	The employment paradox to improve women's empowerment in Pakistan	Cogent Social Sciences, 1707005. ESCI & Scopus,2019
Dr. Muhammad Aqil	Horizons of Neuromarketing in Consumer Behavior	European Online Journal of Natural and Social Sciences, 2019. Vol 8, No 3(s) pp 99-107. ISSN 1805-3602
Dr. Muhammad Aqil	Determinants of Causality in the Prices of Crude Oil	International Journal of Energy Economics and Policy, Vol 9. No.4. pp 298-304. 2019
Dr. Mustansar Hayat	Determinants of Corporate Cash Holdings in Tranquil and Turbulent Period: Evidence from an Emerging Economy	Financial Innovation, Vol.5, No.3, 2019
Dr. Salman Ahmed Shaikh	Comparative Analysis of Shari'ah Compliant Portfolios: Evidence from Pakistan.	Emerald Journal of Islamic Accounting and Business Research, 2019
Dr. Muhammad Saeed Shahbaz	A Novel Classification of Supply Chain Risks: Scale Development and Validation	Journal of Industrial Engineering and Management, 12(1), 201-218, 2019
Dr. Muhammad Saeed Shahbaz	The Impact of Supply Chain Collaboration on Operational performance: Empirical Evidence from Manufacturing of Malaysia. Religion	Journal of Social Sciences and Humanities, 4(17), 59-73, 2019
Dr. Muhammad Saeed Shahbaz	A proposed conceptual action plan for identification, assessment and mitigation of supply chain risks	International Journal of Advanced Operations Management, 12(1):65-80 2019



# Knowledge Creation and its Dissemination-Karachi Campus

Authors	Title	Published in
Dr. Sarah Wali Qazi	Nurturing Women Empowerment? An Exploratory Study of the linkages between Women, Micro entrepreneurship and Access to Microcredit	Journal of Management Sciences, Vol. 5(2) pp. 3-21, 2018
Dr. Adeel Ansari	Capability Maturity Model Integration within the Admission Processes of Academic Institutions in Pakistan	Journal of Independent Studies and Research-Computing (JISR-C), 2019
Dr. Mudassar Aziz	Cross-Cultural Exploration of Honor: Perception of Honor in Germany, Pakistan, and South Korea	Psychological Studies, 64(2), 147-160. (Springer link ), 2019
Dr. Mudassar Aziz	Role of organizational culture in psychological needs satisfaction and work engagement	IBA Business Review. 14(1), p81-96, 2019
Dr. Mudassar Aziz	Achievement Goals and Academic Achievement: The Mediating Role of Learning Strategies	Foundation University Journal of Psychology. 3(1), 1-23, 2019
Dr. Mudassar Aziz	The Role Of Fulbright Program in Building Positive Perception and Ally Image Of The U.S Among Pakistani Scholars	Pakistan Journal of Psychological Research. 34(1), 01-23, 2019
Dr. Saim Ahmed	Adaptive High-order Terminal Sliding Mode Control Based on Time Delay Estimation for the Robotic Manipulators with Backlash Hysteresis [J]	IEEE Transactions on Systems, Man, and Cybernetics: Systems (SCI), 2019
Dr. Saim Ahmed	Robust Adaptive Fractional-Order Terminal Sliding Mode Control For LowerLimb Exoskeleton [J]	Asian Journal of Control (SCI), 21(1), 473-482, 2019
Dr. Saim Ahmed	Robust Adaptive Control of Robotic Manipulator with Input Time-Varying Delay [J]	International Journal of Control, Automation and Systems (SCI), Issue 9/2019
Sarmad Hameed,Naqi Jafri, Dania Rashid,Fabiha Shoaib	Arduino based radar system	3c Technologia, 8(2), 157-166, 2019
Dr. Saiqa Tabassum	Prevention of cadmium-induced neurotoxicity in rats by essential nutrients present in nuts	Acta Neurobiologiae Experimentalis, Volume 79, Issue 2 : Page 169–183, 2019
Dr. Jameel Ahmed	What monetary discretion can and cannot do under boom and bust cycles? Evidence from an emerging economy.	Journal of Economic Studies, Vol. 46(6), 1224-1240, 2019
Salman Bin Sami	A neuro-fuzzy modeling for the hydrological time series of floods of River Indus of Pakistan	Med Crave International Journal of Hydrology Volume 3 Issue 2 - 2019

# Knowledge Creation and its Dissemination-Karachi Campus

Authors	Title	Published in
Kashif, M., Saad, S., Chhapra, I.U., Ahmed, F.	An Empirical Evidence of Overreaction Hypothesis on Karachi Stock Exchange (KSE).	Asian Economic and Financial Review, Vol. 8, (4): 449-465
Lohano.K, Kashif, M	Testing Asset Pricing Models on the Pakistan Stock Exchange	IBA Business Review, 13(2) 1-19
Chhapra, Dr. Imran Omer, Kashif, M.	Higher Co-Moments and Downside Beta in Asset Pricing	Asian Academy of Management Journal of Accounting and Finance. 15(1):129-155 , 2019
Ghazala Rahman Rafiq	Shah Latif's Sassui: The Geography and Poetry of her Path from Bhanbhore in Sindh to Kech in Baluchistan."	SAARIJ
Dr. Sarah Wali Qazi	Innovative user engagement and playfulness on adoption intentions of technological products: evidence from SEM-based multivariate approach	Economic Research-Ekonomska Istraživanja, 32(1), 555-577, 2019
Dr. Sarah Wali Qazi	Fueling Women Empowerment?: A Phenomenological Study of Women Experiences with Micro-Credit and Status of Branch-less Banking in Pakistan	International Journal of E-Business Research (IJEER), 15(1), 75-88, 2019
Dr. Mehak Ejaz	Application of Fan Chart Approach to Debt Sustainability Analysis in Pakistan	The Lahore Journal of Economics, Forthcoming 24(2):1-23
Najmonnisa., Ulhaq, M.A., Raja, F.U. (n.d.)	Cooperative Learning, Academic, and Social Gain: Mediating Role of Teacher's Feedback	Bulletin of Education and Research
Nida Shabbir & Dr. Najmonnisa	Integrating ICT as a teaching tool in the ELT classroom at Higher Education Level: A Descriptive study	Journal of Social Sciences and Media Studies, 3(1), 37-46 JOSSAMS
Dad Shah Baloch & Dr. Najmonnisa	Barriers and obstacles faced by working females of Balochistan on the part of customs and government: A Phenomenological Qualitative Approach	International Journal of Academic Pedagogical Research (IJAPR) ISSN: 2000-004X Vol. 3 Issue 1, Pages: 22-28 January – 2019
Ahmad Hussain, Faraz Junejo, Muhammad Nauman Qureshi, Afzal Haque	Hydrodynamic and combustion behavior of low grade coals in the riser of a circulating fluidized bed combustor	NUST Journal of Engineering Sciences (NJES), Vol. 11, No.1, pp 1-11, 2018
Maaz Akhtar, Sayyad Zahid Qamar, Syed Murtuza Mehdi, Ahmad Hussain	Diffusion-based swelling in elastomers under low- and high-salinity brine	Journal of Elastomers & Plastics, First Online, Volume: 51 issue: 1, page(s): 75-84, 9 September 2018
Shamoon Jamshed, Shafiq Rehman Qureshi, Aqueel Shah, Ahmad	Investigation of entropy generation rate and its minimization in helical grooved tubes	Journal of Mechanical Science and Technology, First Online: Volume 32, Issue 10, pp 4983–4991, 23 October 2018



# Knowledge Creation and its Dissemination-Karachi Campus

Authors	Title	Published in
Hussain Ahmad Hussain, Syed Murtuza Mehdi, Amjad Ali, Muhammad Adeel, Mohammed Hassan Jabal, Farid Nasir Ani	Investigation of tribological characteristics of castor oil with mineral oil blends	Journal of Engineering and Applied Sciences (JEAS), Vol 37 No 1 (HEC Recognized X – Category Journal), 2018
Farhad Ali, Ahmad Hussain, Yasmin Nergis, Mughal Sharif, Sadaf Faryal Shah	Impact of Eutrophication on Shallow Marine Water near Karachi Coast, Pakistan, Proceedings of the Pakistan Academy of Sciences	Life and Environmental Sciences (2018) 55 (2): Page27–36

## ii. Conference Proceedings/Book Chapters

Authors	Title	Published in
Syed Hasnain Alam Kazmi	Rise of Digital Media to Triumph Brand Loyalty	International Conference on Intelligent Human-Machine Systems and Cybernetics (IHMSC), Vol. 1, No. 10 : pp. 297-300, August 26, 2018
Sarmad Hameed, Faraz Junejo, Mehtab Anwar Yousuf Zai, Imran Amin	Prediction of Civilians Killing in the Upcoming Drone Attack	5th International Conference on Engineering Technologies and Applied Sciences (ICETAS) (pp. 1-5) IEEE, November, 2018
Syed Hasnain Alam Kazmi	A Study of Big Data for Business Growth in SMEs: Opportunities & Challenges	International Conference on Computing, Mathematics and Engineering Technologies – iCoMET 2018
Hameed Sarmad and Imran Amin	Detection of Weed and Wheat Using Image Processing	5th International Conference on Engineering Technologies and Applied Sciences (ICETAS). IEEE, 2018.
Tanzila Younas, Sarmad Hameed, Saud Sattar, Syed Ahmer Hussain Quadri, Usman Saeed, Ali Asghar Modi	Enrichment of Uranium	5th International Conference on Engineering Technologies and Applied Sciences (ICETAS) (pp. 1-4). IEEE., 2018
Syed Qaiser Hussain	Motivation in Learning and Using English Language by Administrative and Non-Teaching Staff of a Private Sector University at Workplace	1st International Conference on Theoretical and Applied Linguistics – ICTAL 2019
Nadira Hyder Zaidi	Language Teaching	ICTAL 2019 at LUAWMS International Conference on Theoretical And Applied Linguistics
Imran Amin, M.Atif	5.10 Wireless Technologies in Energy Management	Book: Comprehensive energy systems, vol 1. [Book ISBN: 9780128095973]
Syed Hasnain Alam Kazmi	Role of Green Information System and Information Cycle in Environmental Performance	Proceedings of the Twelfth International Conference on Management Science and Engineering Management (pp.465-476) 2019

# Knowledge Creation and its Dissemination-Karachi Campus

Authors	Title	Published in
Lubna Khalid, Ahmad Hussain	From Theory to Practice: Classroom Application of Outcome-Based Education in SZABIST Schools at Larkana, Pakistan	3rd International Social Sciences and Humanities Berlin Conference, Berlin, 02-05 May, 2019

## iii. National and International Conference/Seminar/Workshop Attended/Participated

Participants	Title	Date
Mr. Farhanuddin Raja	Guest speaker session on Critical Thinking	October 18, 2018
Mr. Farhanuddin Raja	Seminar on Writing, A tool for Self-Expression	November 15, 2018
Dr. Najmunnisa	Seminar on Culture Day "Importance of Culture in Regional & Global Scenario"	November 10, 2018
Nadira Hyder Zaidi, Mr. Farhanuddin Raja	Seminar on Writing Effectively, Q&A and Readings	April 15, 2019
Nadira Hyder Zaidi	Talk on Pakistan, Afghanistan and Tajikistan-The New Trio	April 15, 2019
Dr. Najmunnisa	Workshop on Sharing the results of the Early Grade Reading Assessment (EGRA) endline survey of the USAID/Pakistan-funded Sindh Reading Program (SRP)	April 24-25, 2019
Ms. Sadiya Durrani	Training Session: Diversity, IT Integration and Active Learning	April 25-27, 2019
Ms. Sadiya Durrani	Training on Mentoring and Feedback	May 15-17, 2019
Dr. Najmunnisa	Training program entitled with "IBA Mothers Entrepreneurship Camp (MEC), 2019"	October 25-27, 2019

## iv. Conferences/Workshop/Seminar Organized

Title	Organized by	Instructor/Speaker	Date
Symposium on Celebrating Teachers' Role in 21st Century: Discussing Right to Education Article 25 and SDG 4-Implementation in Sindh.	Dr. Najmunnisa & Ms. Sadiya Durrani	Dr. Ismail Saad, Prof. Dr Altaf Mukati, Abbas Hussain, Lubna Panjwani, Rafia Azmat, Pervez Seeher, Dr. Bella Jamil, Sadiqa Sajjad, Dr. Sajid Ali	October 5, 2018



# Knowledge Creation and its Dissemination-Karachi Campus

Title	Organized by	Instructor/Speaker	Date
Symposium on Information & Communication Technology(ICT) and "Redefining the role of Education Technology in the 21st century Learning Partnership for Rethinking Education"	Dr. Najmunnisa & Ms. Sadiya Durrani	Jibran Jamshed, Dr. Imran Amin, Naheed Shah Durrani, Sarah Peng, Ain Shah, Aftab Nizamani, Isfandyar Inayat	November 17, 2018
Symposium on Reframing the How's and why of Leadership and Exploring the Existing Practice in Education	Dr. Najmunnisa & Ms. Sadiya Durrani	Dr. Farhat Agha	December 20, 2018
Data Analysis and Interpretation	Dr. Najmunnisa & Ms. Sadiya Durrani	Mr. Adnan Butt	April 12, 2019
Workshop on Test Item Construction	Dr. Najmunnisa	Mr. Aftab Ahmed Khushk	April 20, 2019
Seminar on STEAM Education: Developing 21st Century Problem Solvers	Dr. Najmunnisa & Dr. Kiran Hashmi (Facilitator)	Ms. Ramla Hoozaifa, Ms. Narjis Haider, Ms. Sana, Ms. Saira Bazuka, Mr. Raheel Tajjudin Lakhani	May 4, 2019
Report Writing in Monitoring and Evaluation	Dr. Kiran Hashmi	Ms Kiran Shahnawaz, Ms Azka Anwar	May 5, 2019

## v. Guest Speaker Sessions

Topic	Speakers	Date
Why Teachers Write-Tools for Effective Writing	Nadira Hyder Zaidi	September 15, 2018
Understanding Socratic Questioning	Mr. Asadullah Lashari	October 8, 2018
Inquiry based Education in Science	Dr. Nelofer Halai	October 15, 2018
Making Impactful PPTs for Teacher Education	Mr. Nooruddin Qureshi	November 18, 2018
Book Review Poster Symposium	Mr. Ghulam Nabi	November 23, 2018
Mixed Ability Classroom Management	Ms. Huma Thavar	December 7, 2018
SPSS Software Basics of Quantitative Analysis	Mr. Ali Gohar Qazi	December 8, 2018
Micro and Macro policy and governance perspectives of Education	Mr. Ali Gohar Chang	December 8, 2018
Strategies for Teaching Practice and Enhancing Observational Skills The Role of Student Teachers in the Teaching learning Process	Ms. Lubna Hoth & Ms. Syeda Nazish Hasan	March 13, 2019

# Knowledge Creation and its Dissemination-Karachi Campus

Topic	Speakers	Date
Usage of Technology in Education and the promotion of Virtual Teaching	Mr. Zeeshan Manzoor	April 3, 2019
Organizational Development-Becoming a Successful OD consultant	Mr. Shahbaz Ali Baig	April 5, 2019
Curriculum Development and Policy making in the Light of 18th Amendment	Ms. Hafsa Alvi & Ms. Rana Hussain	April 6, 2019
Systems Prevailing in Private Schools of Karachi in Terms of Performance Appraisal of Staff	Ms. Rakia Rizwan	April 8, 2019
Entrepreneurship in Education: A Case Study of Activity Hour	Ms. Ayesha Amir	April 9, 2019
Mentor Matching Session	Mr. Nasir Zaidi, Mr. Adeel Durvesh, Mr. Kanwal Masroor, Ms. Ayesha Ameer, Mr. Syed Azfar Hussain, Mr. Yousuf Ikram, Mr. Arsalan Farooqi, Mr. Raheel Akhtar	April 16, 2019
Use of Gamification and Educational Technology for inclusive Education and Therapy	Mr. Muhammad Waqas	April 23, 2019
Diversity in Educational Setting son	Ms. Raazieh Fatima	April 24, 2019
Conducting Effective Meetings	Mr. Syed Qaiser Hussain	April 25, 2019
Transforming Public School in Pakistan Through Quality Teacher Education	Ms. Maliha Hyder	April 26, 2019

## vii. Workshops/Trainings Conducted

Workshop Title	Speakers/Trainers	Date
An International Perspective to Educational Standards	Ms. Sadiya Durrani	August 2, 2018
Urdu Short Story Writing	Nadira Hyder Zaidi	September 2018
Personality Development	Ms. Sadiya Durrani	November 16-18, 2018
Test Item Construction	Dr. Najmunnisa	January 19, 2019
Entrepreneurship: A 21st Century Skill	Dr. Najmunnisa	April 27, 2019
Outcome Based Education	Dr. Najmunnisa, Ms. Sadiya Durrani	July 3, 2019
5 days training program for Early Years Teachers (Training Program for Early Years Teachers)	Dr. Najmunnisa, Ms. Sadiya Durrani	July 22-26, 2019
Using SPSS: A Data Analysis Software	Dr. Mujtaba Asad	2019



# Knowledge Creation and its Dissemination-Karachi Campus

## viii. Conference Paper Presentation

Authors	Title of Paper	Presented at
Nadira Hyder Zaidi	Determining Positive Learning Outcomes of Undergraduate Students through Role-Play activity	ICORE 2018, Punjab University
Dr. Najmunnisa	Impact of Technology Based Teaching on Students` Learning Motivation: An Experimental Study	3rd International Conference on Experiential Learning (ICEL 2018), Institute of Business Management
Dr. Najmunnisa & Ms. Sadiya Durrani	Using Reflection as a Tool for Assessment: A Case Study of a Private Sector University	6th International Conference on Research in Education (ICORE 2018), University of Punjab
Dr. Najmunnisa	Integrating ICT as A Teaching Tool in the Classroom in an ELT Context: A higher education study	6th International Conference on Research in Education (ICORE 2018), University of Punjab
Dr. Altaf Mukati	Green Computing & Engineering Technologies	4th International Conference on Green Computing and Engineering Technology 2018 (ICGCET®- 2018), organized by Aalborg University Niels Bohrs Vej 8 Esbjerg Denmark
Dr. Najmunnisa	Teachers Perceptions, Understanding and Practices about Professional Standards: A Perceptual Study	3rd NACTE National Conference, "Rethinking Teacher Education in Pakistan" Quetta, 2018
Dr. Najmunnisa	Teaching young Children: Happiness or Havoc	1st International Conference on Emerging Trends and Innovation in Education, IBA Sukker University, 13-14 Nov 2018
Dr. Najmunnisa	Impact of Technical and Vocational Education on Students Career Productivity	National Symposium for research in Education, Iqra University Karachi, 16-17 Feb 2019
Dr. Najmunnisa	Developing the Entrepreneurship Skills among Young Learner through Play: A Perceptual Study	4th International Entrepreneurship Educators Symposium (IEES) 2019, IBA Karachi
Mr. Farhanuddin Raja	Improving writing skills of EFL learners studying in an ESL context with the help of scaffolding technique	1st International Conference on Theoretical and Applied Linguistics at LUAMWS, Balochistan

# Knowledge Creation and its Dissemination- Islamabad Campus

## i. Journal Publications HEC "W" Category Journals

Authors	Title	Published in
Dr. Shahid Bashir	A Holistic Understanding of the Prospects of Financial Loss to Enhance Shopper's Trust to Search, Recommend, Speak Positive and Frequently Visit an Online Shop	Journal of Retailing and Consumer Services, Volume No. 42(1), PP. 169-174, 2018
Dr. Mobeen Ur Rehman	Determining the predictive power between crypto currencies and real time commodity futures: Evidence from quantile causality tests	Resources Policy, Volume 61, PP 603-616, 2018
Dr. Mobeen Ur Rehman	Portfolio Diversification Opportunities Within Emerging and Frontier Stock Markets: Evidence from Ten Asian Countries	Buletin Ekonomi Moneter Dan Perbankan, Volume No.21(1), PP 1-22, 2018
Dr. Mobeen Ur Rehman, Khamis Al Yahyaee, Walid Mensi	Time-frequency co-movements between oil prices and interest rates: Evidence from a wavelet-based approach	The North American Journal of Economics and Finance, 2018
Mr. Hassan Zada, Dr. Mobeen Ur Rehman	Application of Fama and French Five Factor Model of Asset Pricing: Evidence From Pakistan Stock Market	International Journal of Economics, Management and Accounting, Volume No. 26(1), PP. 1-23, 2018
Dr. Atif Bilal	How Patient-Perpetrated Workplace Violence Leads to Turnover Intention Among Nurses: The Mediating Mechanism of Occupational Stress and Burnout	Journal of Aggression, Maltreatment & Trauma, Volume No. 27(1), PP. 96-118, 2018
Mr. Mudassar Ghani Khuwaja, Dr. Mobeen Ur Rehman	Analyzing the Link Between Accounting Sensitive Non-Debt Tax Shields and Investment Opportunity Set	Public Finance Quarterly, Volume No. 63(4), PP. 549-566, 2018
Dr. Mobeen Ur Rehman	Do oil shocks predict economic policy uncertainty?	Elsevier Physica A: Statistical Mechanics and its Applications Volume No. 498, PP. 123-136, May 2018
Dr. Mobeen Ur Rehman	Is CAPM a Behavioral Model? Estimating Sentiments from Rationalism	Journal of Behavioral Finance, Volume No. 19 (4), PP. 442-449, 2018
Dr. Mobeen Ur Rehman	Do Energy Prices Affect US Investor Sentiment?	Journal of Behavioral Finance, Volume No. 19(2), PP. 125-140, 2018
Dr. Mobeen Ur Rehman	Supply and demand driven oil price changes and their non-linear impact on precious metal returns: A Markov regime switching approach	Energy Economics, Volume No. 73, issue C PP. 108-121, 2018
Dr. Mobeen Ur Rehman	Risk Transmitters and Receivers in global Currency markets	Finance Research Letters, Volume No. 25, PP. 1-9, 2018



# Knowledge Creation and its Dissemination-Islamabad Campus

Authors	Title	Published in
Dr. Mobeen Ur Rehman	Extreme dependence and risk spillovers between oil and Islamic stock markets	Emerging Markets Review, Volume No. 34, PP. 42-63, 2018
Dr. Mobeen Ur Rehman	Analyzing the link between accounting policy changes, accounting sensitive non-debt tax shields and investment opportunity set	Public Finance Quarterly, State Audit Office of Hungary, vol. 63(4), pages 549-566, 2018
Dr. Mobeen Ur Rehman	Commonalities between financial and market integration and equity return co-movements in emerging and frontier markets	Aestimatio, The IEB International Journal of Finance, Volume No. 17, PP. 184-203, 2018
Dr. Mobeen Ur Rehman	Application of Fama and French Five Factor Model of Asset Pricing: Evidence from Pakistan Stock Market	International Journal of Economics, Management and Accounting, Volume No.26 (1),PP. 1-23, 29th June 2018
Dr. Atif Bilal, Dr. Hafiz Mushtaq Ahmad, Shazia Mushtaq, Dr. M. Ali Saeed, Amna Faheem	Influence of Networking on Female Entrepreneurship in Patriarchal Societies: Empirical evidence regarding Role of Cultural effect as moderator	Transylvanian Review, Volume No. 26(2), PP. 759-760, 2018
Ms. Sana Mumtaz	Expatriate adjustment through transformation of social identity changes in Chinese expatriates in Pakistan	Cross Cultural and Strategic Management, 2018
Ms. Sana Mumtaz, Fozia Mubarak	The Impact Of Workplace Bullying On Project Success As Mediated Through Individual Organizational Citizenship Behavior: A Study In Pakistan	Cogent Business & Management, Volume 5 Issue 1, 19th Oct 2018
Dr. Danish Mahmood,Zahoor Ali Khan,Syed Irtaza Haider,Muhammad Awais,Nadeem Javaid,Khursheed Aurangzeb	Towards Effective and Efficient Energy Management of Single Home and a Smart Community Exploiting Heuristic Optimization Algorithms with Critical Peak and Real-Time Pricing Tariffs in Smart Grids	Energies, MDPI, Open Access Journal, Volume No. 11(11), PP. 1-30, November 2018
Ms. Uzma Bibi	Cost Aware Resource Selection in IaaS Clouds	International Journal of Advanced Computer Science and Applications(IJACSA), Volume 9(8), 2018
Dr. Amir Zaib Abbasi	Buying Luxury Brands Online: The effect of money-back guarantee on perceived risk and purchase intention. International Journal of Marketing, Communication and New Media	International Journal of Marketing, Communication and New Media. ISSN: 2182-9306. Special Issue 4 – Luxury Marketing, 2018
Mr. Sajid Ali Khan	An effective framework for driver fatigue recognition based on intelligent facial expressions analysis	IEEE Access, Volume No. 6, PP. 67459-67468, 2018

# Knowledge Creation and its Dissemination-Islamabad Campus

Authors	Title	Published in
Dr. Shumila Zeb, Abdul Rashid	Systemic Risk in Financial Institutions of BRICS: Measurement and Identification of Firm-Specific Determinants	Springer Link Risk Management Vol. 21(4), pages 243-264, 21st January 2019
Ms. Sundas Azeem	Psychosocial safety climate, safety compliance and safety participation: The mediating role of psychological distress	Journal of Management & Organization, Volume No. 35, PP. 1-16, 2019
Dr. Muhammad Naveed	How financial leverage differs between conventional and Islamic banks: A dynamic model perspective of banking sector of Pakistan	Journal of Islamic Business Management, Volume No. 9 (2), Page 272-293, 2019
Dr. Danish Mahmood	A Thermal Aware & Energy Optimized Routing Protocol for Wireless Body Area Networks	Sensors 19(15), 327519(15), 3275, March 2019
Dr. Muhammad Naveed	Dynamic Modelling of Systemic Risk and Firm Value: A Case of Pakistan	Cogent Business and Management, 2019
Dr. Muhammad Usman	Predictive aspect-based sentiment classification of online tourist reviews	International Journal of Information Science, 45(3), 341-363, June 2019
Dr. Danish Mahmood, Ghufuran Ahmed, Saiful Islam	Thermal and energy aware routing in wireless body area networks	International Journal of Distributed Sensor Networks, June 2019
Dr. Muhammad Usman	Multi aspect-based opinion classification model for tourist reviews	Expert Systems, e 12371, 36(2), 2019
Dr. Azhar Mahmood	A Context-Aware Accurate Wellness Determination (CAAWD) Model for Elderly People Using Lazy Associative Classification	Sensors Journal, Volume No. 19, PP. 1613, 2019
Dr. Shahid Bashir	Impact of Organizational learning Factors on Organizational learning Effectiveness through Mobile Technology	Quality-Access to Success Journal, Volume No. 20 (171), PP. 114-119, 2019
Dr. Danish Mahmood	Student Academic Performance Prediction using Supervised Learning Techniques.	International Journal Of Emerging Technologies In Learning (IJET), Volume No. 14 (14), PP. 92-104, 2019
Dr. Muhammad Bilal Qureshi	Cost efficient resource allocation for real-time tasks in embedded systems	Sustainable Cities and Society, Volume No. 48, 2019
Dr. Mobeen Ur Rehman	Can alternative hedging assets add value to Islamic-conventional portfolio mix: Evidence from MGARCH models	Resources Policy, Volume No. 61, PP. 210-230, June 2019



# Knowledge Creation and its Dissemination-Islamabad Campus

Authors	Title	Published in
Dr. Amir Zaib Abbasi	An empirical validation of consumer video game engagement: A playful-consumption experience approach. Entertainment Computing: A playful-consumption experience approach	Entertainment Computing, Volume No. 29, PP. 43-55, 2019
Dr. Wajid Hussain	Deconstructing the Discursive Construction of Environmental Colonialism in Native America: A Study of Leslie Marmon Silko's Ceremony and Almanac of the Dead	International Journal of English Linguistics; Volume. 9, No. 3; Published by Canadian Center of Science and Education, PP. 365-372, 2019
Dr. Wajid Hussain	Ascertaining the Discursive Construction of the Cosmopolitan Identity: An Analysis of Bharati Mukherjee's Jasmine	International Journal of English Linguistics; Volume. 9, No. 5; Canadian Center of Science and Education, PP. 292-299, 2019
Dr. Wajid Hussain	Disrupting the Discourse Behind the Zoning of the Native Americans: Linda Hogan's Mean Spirit in the Environmental Racist Perspective	International Journal of English Linguistics; Vol. 9, No. 4; Canadian Center of Science and Education, PP. 358-365, 2019
Dr. Wajid Hussain	The Dialectic of Dialectical Materialism and Discourse: A Scrutiny of Aravind Adiga's The White Tiger	International Journal of English Linguistics; Vol. 9, No. 2; Canadian Center of Science and Education, 394-401, 2019.
Dr. Mobeen Ur Rehman	Commonalities of Equity Market Fundamentals and Return Comovements: An Emerging and Frontier Market Perspective	RevistaEvidencia3roCont6bil & Finanzas, Volume No. 7(1), PP 133-151, 2019

## HEC "X" Category Journals

Authors	Title	Published in
Dr. Shumila Zeb	Determining Systemic Risk of Banks, Financial Services, and Insurance Firms of Pakistan, Journal of Independent Studies and Research-Management	Social Sciences and Economics, Volume No. 16(1), PP. 45-62, 2018
Ms. Aliya Abdul Hayee	The development of a scale to measure reverse culture shock in fresh foreign degree holders	Pakistan Journal of Psychological Research, Volume No. 33(1), PP. 257-276, 201
Dr. Shumila Zeb	Credit Risk, Capital, and Inefficiency: An Empirical Analysis of SAARC Banking Sector	South Asian Journal of Management Sciences, Volume No. 13(1), PP 41-55, 2019
Dr. Atif Bilal	Impact of Team Goal Orientation and Information Exchange on Creativity and Innovation in Advertising Creative Teams of Pakistan	Business & Economic Review, Volume No. 11(1), Pages 145-160, 2019

# Knowledge Creation and its Dissemination-Islamabad Campus

Authors	Title	Published in
Dr. Muhammad Zeb Khan	The effect of structural factors on managerial autonomy of public organizations: A study of agencification in Pakistan	Business and Economic Review, Volume No. 11 (3), Pages 143-160 , 2019
Dr. Iffat Rasool	Development and revalidation of corporate humane Sustainability	Pakistan Business Review, Volume No. 21(2), 2019
Dr. Muhammad Asif Khan	Self-Regulation Impairment Source of Abusive Supervision Leading to Employees' Turnover Intentions with Moderation of Resilience in Pakistani Service Industry	The Dialogue, Volume No. 14,(2),PP. 113-124, 2019
Dr. Atif Bilal	Impact of Team Goal Orientation and Information Exchange on Creativity and Innovation in Advertising Creative Teams of Pakistan	Business & Economic Review, Volume No. 11(1) Pages 145-160 , 2019
Dr. Shazia Akhtar	Antecedents of Careerism: A Mediated-Moderated Model	Global Social Sciences Review, Volume No. 4(3), PP. 48 – 55, 2019

## Other Publications

Authors	Title	Published in
Dr Faryal Razzaq	Patterns of learning styles through E-learning in Pakistan	International Research Journal of Arts and Humanities, Volume No. 46(46), Pages 109-119, 2018
Dr. Atif Bilal	Examining the Relationship between Consumption of Counterfeit Apparel and Construction of Self-Identity: A Study on Pakistani Women	Pakistan Journal of Women Studies, Volume No. 25(2), PP. 37-58, 2018
Dr. Atif Bilal	How Formalization Impedes Employee Creativity and Organizational Innovation: A Case of Advertising Agencies in Pakistan	NUML International Journal of Business & Management, Volume No. 13(1), PP. 66-78, 2018
Mr. Hassan Zada	Forecasting Stock Prices through Univariate ARIMA Modeling	NUML International Journal of Business & Management Volume No. 13 (2), P P 130-143, 2018
Dr. Atif Bilal	The Impact of emotional intelligence on job satisfaction and performance in the healthcare sector of Pakistan	Journal of Managerial Sciences, 12(3), 2018
Dr. Shahid Bashir	A Research Framework for Antecedents to Interpersonal Trust Development from Organizational Perspective	Sukkur IBA Journal of Management and Business, Volume No 4(1), PP.103-117, 2018



# Knowledge Creation and its Dissemination-Islamabad Campus

Authors	Title	Published in
Dr. Muhammad Naveed, Hasan Hanif	Modeling Systemic Risk in a Developing Economy: Application of Marginal Expected Shortfall	Journal of Managerial Science, Volume 12 Issue 3, 2018
Dr. Shahid Bashir, Mirza Nasir Mehdi	Capital Investment Decision Making and Risk Management Methods: Evidence From Listed Companies on Pakistan Stock Exchange	Review of Economics and Development Studies, Volume No. 5(2), PP. 291-301, May 2019
Mirza Nasir Jahan Mehdi, Shahid Bashir, Anjum Ihsan	Capital Investment Decision Making and Risk Management Methods: Evidence From Listed Companies on Pakistan Stock Exchange	Review of Economics and Development Studies CSRC Multidisciplinary Volume No. 5, No. 2, PP, 291-302, 2019
Dr. Muhammad Asif Khan	Customer Orientation of service employees an enabler of creativity and innovativeness: A case of ICT sector of Pakistan	Journal of Research in Social Sciences – JRSS, Volume No 7, 2019
Dr. Khansa Zaman	Globalization, Market Space, and Religiosity: A study of non-alcoholic Perfumes	Pakistan Journal of Social Sciences, Volume No. 39(1), Page 33-47, 2019
Dr. Iffat Rasool	Micro Corporate Social Responsibility: A Person-centric approach for meeting the grand challenges	Journal of Research in Social Sciences (JRSS), Volume No.7(2), 2019
Dr. Shahid Bashir	Paradigm for the Foreign Direct Investors in the Virtual Market of Pakistan	University of Wah Journal of Management Sciences, Volume No. 3(1), PP.28-38, 2019
Dr. Muhammad Naveed	Modeling Systemic Risk in a Developing Economy: Application of Marginal Expected Shortfall	Journal of Managerial Science, Volume No. 12(3), 2019
Dr. Shahid Bashir	Impact of Transformational Leadership and Employee Commitment on Organizational Reputation	University of Wah Journal of Management Sciences, Volume No. 3(1), PP. 39-55, 2019

## ii. Conference Proceedings/Book Chapters

Authors	Title	Published in
Dr. Muhammad Usman Ms. Aunsia Khan	Early Diagnosis of Alzheimer's Disease Using Informative Features of Clinical Data	In Proceedings of the International Conference on Machine Vision and Applications (ICMVA), pp 56-60, 2018
Dr. Muhammad Naveed	New Insights into Dividend Policy: A Customized and Dynamic Sectorial Analysis	Oxford Conference Series, University of Oxford UK, 2018

# Knowledge Creation and its Dissemination-Islamabad Campus

Authors	Title	Published in
Dr. Muhammad Naveed	Economic Activities are Beneficial for Economies but Challenges for Environment: An Empirical Investigation on the Background of China-Pakistan Economic Corridor	Oxford Conference Series, University of Oxford UK, 2018
Dr. Muhammad Bilal Qureshi	Prediction-based resource allocation model for real-time tasks	5th IEEE International Conference on Engineering Technologies and Applied Sciences (IEEE ICETAS), Bangkok, Thailand, 22-23 November, 2018
Dr. Muhammad Naveed	Customized Corporate Investment Modeling across Developed and Developing Countries: A Nested Testing Analysis of US and Pakistan	Proceedings of 6th Asia Pacific Conference on Advanced Research 2-4th Melbourne, Australia, 2018
Ms. Sana Mumtaz	The impact of big five personality traits on knowledge sharing behavior: moderating role of extrinsic rewards	7th International Business Research Conference, Capital University of Science and Technology (CUST), Islamabad, Pakistan, 2018
Dr. Iffat Rasool	An Empirical Investigation Of Impact Of Green HRM On Organizational Citizenship Behavior Of Employees For Environment	4th ASIA International Conference (AIC 2018), Langkawi International Convention Center, Langkawi, Malaysia, 8-9 December, 2018
Dr. Mobeen Ur Rehman	Sensitivity of economic policy uncertainty to investor sentiment: evidence from Asian, Developed and European markets	International Congress on Banking, Economics, Finance, and Business, Sydney, Australia, December 17-19, 2018
Ms. Aliya Abdul Hayee	Positive effects of playing multiplayer games	Proceedings of 7th International Conference on Positive Psychology: Developing a Flourishing Community. Quaid-i-Azam University Islamabad, Volume No. 350, 2018
Mr. Mudassar Ghani Khuwaja	Pakistani Hotels Industry: A New Paradigm to Investigate Visitors' Decision-Making Process	Asia Proceedings of Social Sciences, Volume No. 2(3), PP. 219-223, 2018
Dr. Shahid Bashir	A Fresh Insight into Visitors' Decision-Making Process in Hotels Industry of Pakistan	4th Asia International Conference at Langkawi, Malaysia, 2018
Ms. Sana Mumtaz	Impact of Perceived Risk on Consumers' Purchase Intentions: A study in Pakistan	3rd International Conference on Business and Management Perspectives in the Asian Context, Lahore Business School, University of Lahore, Pakistan, 2018
Dr. Shumaila Zeb	Systemic Risk Drivers of banks, financial services, and Insurance firms	2nd International Conference of Business and Management Sciences, Maltepe University, Turkey, 2018



# Knowledge Creation and its Dissemination-Islamabad Campus

Authors	Title	Published in
Dr. Shumaila Zeb	Financial Regulations and Insolvency risk of Commercial Banks of Pakistan	3rd Academic International Conference on Business, Economics, and Management, St. Anne's College, University of Oxford, 2018
Dr. Shumaila Zeb	Does Islamic Banking Exist in Theory Only? A Comparison of Islamic Banking System and Conventional Banking System	7th Asian Management Research and Case Conference (AMRC), 2018
Dr. Shumaila Zeb	Major determinants of systemic risk: An empirical evidence of BRICS and Pakistan	3rd International Conference on Business and Management Perspectives in the Asian Context, University of Lahore, 2018
Ms. Sana Mumtaz	Impact of Job characteristics on Turnover intentions of employees with the moderating effect of context satisfaction in Pakistan	3rd International Conference on Business and Management Perspectives in the Asian Context, Lahore Business School, University of Lahore, Pakistan, 2018
Mr. Mudassar Ghani Khuwaja	Investigating Social Media Marketing Impacts on the Consumer Behaviors with the Moderating Effects of Negative Viral Marketing: Empirical Evidences From Emerging Market	10th Malaysian International Conference on Languages, Literature and Cultures, 2018
Dr. Khansa Zaman	Impact of Job stressors and service recovery performance on employee performance	Applied Research International Conference on Business and Social Sciences, Oxford, UK, 2018
Dr. Riffat Sardar	Governance and the Right to Information Laws in Pakistan: A Gender Perspective	Pakistan Administrative Review, Volume 2, No. 2, PP. 254-266, 2018
Dr. Amir Zaib Abbasi	Modeling Consumers' Observational Learning in Digital Gaming: A Conceptual Model	International Conference on Serious Games (pp. 159-168). Springer, Cham, 2018
Ms. Sana Mumtaz	Impact of team commitment, team coordination and teamwork quality on project success in defense R&D projects with mediating effect of team performance	8th International Conference on Global Restructuring of the Global Economy (ROGE), Said Business School, University of Oxford, UK, July 2018
Mr. Mudassar Ghani Khuwaja	Determining the Role of Quality Management Practices on Organizational Performance using Balanced Scorecard Approach with the Moderating Effects of Culture in the Beverages Industry of Pakistan	GSOM Emerging Markets Conference- St. Petersburg, Russia, October 4-6, 2018
Mr. Mudassar Ghani Khuwaja	Is Electronic Word of Mouth (eWOM) the future of modern marketing? Empirical evidences from the emerging markets	Shapes of Futures- Interdisciplinary Conference, , University of Bielsko-Biala, Poland, 1-2 March 2019

# Knowledge Creation and its Dissemination-Islamabad Campus

Authors	Title	Published in
Dr. Shazia Akhtar	Behavioral Adaption in response to Hetrogeneous Social Media Posting: A Study using Cognitive Dissonance Theory	21st International Conference on Knowledge Economy: A Way to Entrepreneurial, Inclusive& Sustained Growth Islamabad, 2019
Dr. Shazia Akhtar	Influence of Narcissism on Counterproductive Work Behaviors: Moderation of Ethical Climate	21st International Conference on Knowledge Economy: A Way to Entrepreneurial, Inclusive& Sustained Growth Islamabad, 2019
Dr. Shazia Akhtar	The Relationship of Transformational Leadership with Project Success: Mediating role of Team-building	21st International Conference on Knowledge Economy: A Way to Entrepreneurial, Inclusive& Sustained Growth Islamabad, 2019
Dr. Shazia Akhtar	Relationship of IT Governance and Project Governance with Project Performance: Mediation of Teamwork	21st International Conference on Knowledge Economy: A Way to Entrepreneurial, Inclusive& Sustained Growth, Islamabad, 2019
Dr. Shazia Akhtar	The Relationship of Workplace Bullying, Self-Management Ability and Insomnia: A Mediated-Moderated Model	21st International Conference on Knowledge Economy: A Way to Entrepreneurial, Inclusive& Sustained Growth, Islamabad, 2019
Dr. Shazia Akhtar	Dispositional and Environmental Antecedents of Knowledge Sharing: A TBP Perspective	21st International Conference on Knowledge Economy: A Way to Entrepreneurial, Inclusive& Sustained Growth, Islamabad, 2019
Mr. Mudassar Ghani Khuwaja	Investigating the Effects of Social Presence on Purchase Intentions in the Emerging Market: An Empirical Investigation	SIBR-Thammasat Conference on Interdisciplinary Business & Economics Research, 2019
Dr. Muhammad Bilal Qureshi, Muhammad Shuaib Qureshi, Hameed Hussain	Traffic load balancing based on routing algorithms for Content-Centric networking	Chapter 8 in book: Advanced Security Issues of IoT based 5G Plus Wireless Communication for Industry 4.0, Nova Science Publishers, INC, USA, 2019, ISBN: 978-1-53615-538-9, 145-163, 2019

### iii. Seminars

Topic	Speakers	Date
PMI IPC's 184th Monthly Seminar; Turnaround Management and Role of PMI	Mr. Tahir Mahmood Chaudhry	August 28, 2018
Anti-Harassment Awareness Session	Mr. Ahmed Ali Qureshi	September 7,17 and 19, 2018



# Knowledge Creation and its Dissemination-Islamabad Campus

Topic	Speakers	Date
Green Supply Chain Management	Professor Dr. Syed Shoaib Raza & Mr. Saad Tahir	October 10, 2018
Personal Management for Competitive Advantage	Mr. Raja Zia ul Haq	October 11, 2018
Challenges and Opportunities for Media strategies of Business in Digital Age	Mr. Imad Hussain	November 8, 2018
Strategies to Change the Mindset of a Person to Become an Entrepreneur	Mr. Humayun Shuja	November 12, 2018
Ethics and Values for the Professional World	Ms. Afia Mansoor	November 16, 2018
Seminar cum Interactive Session on Stress Amongst Students and Management Techniques	Ms. Rabia Khan	November 17, 2018
Thought Leaders Forum on Risk Management in Financial Digital World SZABIST Telecom Sector (ZONG)	Dr. Muhammad Naveed	November 19, 2018
Talent Management	Ms. Saima Sayyed	November 19, 2018
Block Chain and Crypto Currency	Mr. Sajjeed Aslam	November 28, 2018
Contemporary HR practices	Mr. Adnan Latif	November 28, 2018
Modern Era for an Entrepreneur	Ms. Ayesha Ali	March 20, 2019
Leadership in Digital Era	Mr. Uzair Afridi & Ms. Karishma Veljee	April 5, 2019
Stigma about Single Mothers	Ms. Zara Qasim & Mr. Saud	April 29, 2019
Leadership and Innovation in 21st Century	Mr. Nouman Ali	May 3, 2019
Effective Risk Management Practices and Implementation of Basel Accords in Banking	Mr. Waqar Ali	May 7, 2019
Consent in Marriage	Ms. Tooba Syed	May 8, 2019
Intergroup Tolerance	Mr. Arshad Warsi	May 9, 2019

# Knowledge Creation and its Dissemination-Islamabad Campus

## iv. Guest Speaker Sessions

Topic	Speakers	Date
A Talk "Mauritius – A Case of Peaceful Cohabitation"	Mr. Rashidally Soobadar	May 8, 2019

## v. Workshops

Workshop Title	Trainers	Date
Project Management Professional (PMP)	Faculty of Project Management	July 14-15, 21-22, 2018 September 29-30, 2018 October 6-7, 2018
Outcome Based Education	Department of Social Sciences Department of Computer Science	October 25, 2018
2nd Inter-Universities 3 Minutes Research Thesis (3MT) Competition	Department of Computer Science	November 30, 2018
Android Application Development	Ms. Farah Yonus & Mr. Anus Ahmed	December 4, 2018
One Day Training on Human Resource Development in Collaboration with Center for Policy and Management Research	Mr. Najeeb Ullah Malik	December 6, 2018
iOS Application Development	Computer Science Department	December 13, 2018
NVIVO workshop	-	December 13, 2018
AMOS Workshop	Mr. Muddasar Ghani Khwaja	March 30, 2019
NVIVO workshop	-	April 6, 2019
Moderation and Mediation Analysis using SPSS	Mr. Mudassar Ghani Khuwaja	May 9, 2019
Scrum framework	Mr. Irfan Hanif	May 11, 2019



# Knowledge Creation and its Dissemination-Larkana Campus

## i. Journal Publications

Authors	Title	Published in
Dr. Zahida Abro	Antecedents and Consequences of Employee Engagement: A Case Study of Business School Faculty in Pakistan	Pakistan Business Review Vol. 20, Issue 3, 2018
Mr. Bisharat Chang	Impact of exchange rate volatility on the US exports: A new evidence from multiple threshold nonlinear ARDL model	Journal of International Commerce Economics and Policy, Vol. 10, No. 02, 1950009, 2019
Mr. Raza Ali (3rd Author)	Monetary Policy Shocks to Commodity Prices: Evidence from Pakistan	Jurnal Ilmu Ekonomi Volume 8 (1), March 2019: 37 - 50 P-ISSN: 2087-2046; E-ISSN: 2476-9223

## ii. Conference Proceedings

Authors	Title	Published in
Mr. Imran Khan Junejo	Does Sleep Deprivation Really Matter to Occupational Performance?	8th Asian Management Research & Case Conference (AMRC) at University Al-Ain, UAE, March, 2019

## iii. National and International Conferences Attended/Participated

Participants	Conferences	Date
Mr. Muhammad Iftikhar	ICET 2018	November 21-22, 2018
Dr. Zahida Abro	9th International Women Leader Summit at Movenpick Karachi	January 24, 2019
Dr. Zahida Abro	iCoMET 2019	January 30-31, 2019
Mr. Naveed Anwer	iCoMET 2019	January 30-31, 2019
Mr. Shoaib Ali Shah	iCoMET 2019	January 30-31, 2019
Mr. Imran Khan Junejo	8th Asian Management Research & Case Conference (AMRC) 2019 at University Al-Ain, UAE	March 24-26, 2019
Dr. Zahida Abro	4th IBA International Entrepreneurship Educators Symposium	August 3-4, 2019
Mr. Naveed Anwar	4th IBA International Entrepreneurship Educators Symposium	August 3- 4, 2019

# Knowledge Creation and its Dissemination-Larkana Campus

## iv. Seminars

Topic	Speakers	Date
Small and Medium Enterprise SME Financing	Mr. Muzzafar Ali Shah (Assistant Chief Manager, State Bank of Pakistan BSC)	November 19, 2018
Banking Operation	Mr Ifzal Qureshi (AVP, HBL, and Regional Office Larkana	April 10, 2019
Cyber Security and Top Trends in Technology	Engineer Nouman Hussain (Manager Information Security Audit, Askari Bank, HQ Islamabad)	May 2, 2019
Machine Learning	Engineer Adnan Ali Memon (Co-Chairperson and Lecturer (Software Engineering Department, BUIEMS Quetta)	May 4, 2019

## v. Guest Speaker Sessions

Topic	Speakers	Date
Functions of SBP and security features of newly created currency notes	Mr. Abdul Hakim Abro, Assitant Chief Manager, SBP (BSC-Sukkur)	November 17, 2018
Trends, Challenges and Opportunities (Web Design & Development)	Mr. Shahzeb Soomro, (Software Engineer)	November 17, 2018
Role of HRM in Banking Sector	Ms. Sumera Sarwar, (HR Officer, MCB)	November 24, 2018
Science of Where-GIS	Mr. Abdul Razak, (Computer Programmer, Dept. Of Defense, Govt. of Pakistan	December 1, 2018
The Role of HR in developing the strong organizational society	Dr Muhammad Asif Qureshi, University Utara Malaysia (PhD-HRM)	April 1, 2019
Financial Inclusion and Development: The role of Islamic Banking	Dr. Salman Ahmed, Assistant Professor, SZABIST Karachi	April 16, 2019
Big Data Analytics	Mr. Javed Ahmed, (Assistant Professor/ Training Coordination Officer, Pakistan Navy School of Management, Karachi	April 20, 2019

## vi. Workshops

Workshops Title	Trainers	Date
Leadership	Ms. Rizwana Halephoto and Zahid Ahmne Qazi (Engro Foods)	November 16, 2018
Data Science and Analytics	Mr. Ghulam Mustafa Shaikh (Assistant Professor, University of Sindh)	December 1, 2018



# Knowledge Creation and its Dissemination-Larkana Campus

Workshops	Trainers	Date
Adobe Photoshop	Mr. Muhammad Bux Soomro (HoD Computer Science Department)	March 11-12, 2019
Econometrics	Mr. Syed Qasim Raza (Lecturer-SZABIST) and Mr. Bisharat Chang (Lecturer-SZABIST)	April 3, 2019
Research Techniques and Scientific Skills	Ghulam Ali Arain (Professor), UAE	April 22, 2019

# Knowledge Creation and its Dissemination-Hyderabad Campus

## i. Journal Publications

Authors	Title	Published in
Ali Akbar Shah, Bhawani Shankar Chowdhry, Anjum Khaliq Bhatti	Resonance Frequency Detection Using Accelerometer of a Test Bridge	International Journal of Latest Engineering and Management Research (IJLEMR) ISSN: 2455-4847 (Print) Volume 03 - Issue 07 PP. 72-74, July 2018
Maqsood Khatoon Rattar	Sindhi-English Bilingual Parallel Ontological Dictionary	Sindh University Research Journal. Vol.50 (002) 265-268, 1st July 2018
Ikramuddin Junejo, Ahmed Ali	Motivational Factors Those Enforce Business Students For Become Entrepreneur: A Case Study Of Sindh, Pakistan	International Journal of Academic Research in Business and Social Sciences ISSN: 2222-6990 (Print)Pg. 835-850 Volume 8, Issue 09. DOI: 10.6007/IJARBS/v8-i9/4658, September 2018
Ikramuddin Junejo, Jan Muhammad	An Exploration Of Factors Affecting The Motivation Of Post-Graduate Research In Sindh: Students' Perception	Journal of Management Information ISSN -2313-3376, 1st October 2018
Mr. Jawad Raza Khoso, Mr. Ikramuddin	Impact of Electricity Crisis on Industrial Growth in Pakistan: A Multiple Regression Analysis Approach	International Journal of Academic Research in Business and Social Sciences ISSN:2222-6990 (E-Journal) Volume 8, Issue 10. DOI: 10.6007/IJARBS/v8-i9/4659, 15th October-2018
Ikramuddin Junejo, Afzal Khan, Memon, Jan Muhammad	Current Practices In Higher Education Institutes Pakistan And Gap Reduction Between Industry And Academia: A Systematic Literature Review Approach	International Journal of Contemporary Education ISSN(e): 2617-1252 Vol. 2, No. 2, 173-181.DOI: 10.18488/journal.137.2018.22.173.181, November 2018
Ikramuddin Junejo, Fakhar Gohar, Lavisha, Nazish Rubab	Impact of Internal Corporate Social Responsibility on Faculty Job Satisfaction in Selected Private Schools in Hyderabad, Sindh, Pakistan	International Journal of Entrepreneurial Research Vol 1 No 1, 13th November, 2018
Rashid Ali Ahmed Mohamed Al Ali, Rosman Md Yusoff, Abdul Ghafoor Kazi, Fadillah Binti Ismail	The Mediating Effect of Job Performance on the Association between Training and Employees' Productivity in Public Organizations in UAE	International Journal of Entrepreneurial Research ISSN: 2663-7588 (E-Journal) Vol 1 No 1, 13th November 2018
Abdul Ghafoor Kazi, Muhammad Asad Arain, Payal Devi Sahetiya	Corporate Governance and Firm Performance Nexus: A Case of Cement Industry of Pakistan	International Journal of Entrepreneurial Research ISSN: 2663-7588 (E-Journal) Vol 1 No 1, 13th November 2018
Rashid Ali Ahmed, Mohamed Al Ali, Rosman Md Yusoff, Fadillah Binti Ismail, Abdul Ghafoor Kazi	The Effect of Training on Employees' Productivity in Public Organizations in UAE	International Journal of Entrepreneurial Research ISSN: 2663-7588 (E-Journal) Vol 1 No 1, 13th November 2018
Ikramuddin Junejo, Fatima Talpur, Bushra Mughal, Arishba Aftab	Measuring Economic Cost Of Corruption: Empirical Evidence From Pakistan	Journal of Economic Info (JEI) ISSN: 2313-3376 (E-Journal), January 2019



# Knowledge Creation and its Dissemination-Hyderabad Campus

Authors	Title	Published in
Murk Qadir Khero & Murk Fatima Panhwar	Factors Impacting the Student's Loyalty: An Empirical Investigation of Higher Education Sector in Pakistan	International Journal of Entrepreneurial Research (IJER) ISSN: 2663-7588 (E-Journal) <a href="https://doi.org/10.31580/ijer.v1i2.475">https://doi.org/10.31580/ijer.v1i2.475</a> , 2nd February, 2019
Muhammad Saeed Shahbaz, Abdul Ghafoor Kazi, Bestoon Othman, Mudaser Javaid, Khawar Hussain, Raja Zuraidah RM Rasi	Identification, Assessment and Mitigation of Environment Side Risks for Malaysian Manufacturing	Engineering, Technology & Applied Science Research ETASR Vol. 9 No. 1, 16th February 2019 ISSN: 1792-8036 (E-Journal)
Dr. Khizer Hayat, Haya Shah	Social Problems Due To Unemployment	Journal of Marketing and Information Systems 1(2):8-9 ISSN: 0167-8116 (Print), 27th February 2019
Kamran Khowaja, Siti Salwah Salim, Adeleh Asemi, Sumbul Ghulamani, Asadullah Shah	A systematic review of modalities in computer-based interventions (CBIs) for language comprehension and decoding skills of children with autism spectrum disorder (ASD)	Universal Access in the Information Society, Springer ISSN: 1615-5297 (E-Journal) <a href="https://doi.org/10.1007/s10209-019-00646-1">https://doi.org/10.1007/s10209-019-00646-1</a> 4th March, 2019
Abdul Ghafoor Kazi, Rushna Hussain Memon, Muhammad Yousif Zubedi, Adil Ansari	Factors Affecting Impulse Purchase Behavior in Hyderabad-Marketing Perspective	International Journal of Entrepreneurial Research VOL 2 NO 1, March 23, 2019 ISSN: 2663-7588 (E-Journal)
Ikramuddin Junejo, Jan Muhammad Sohu, Farhan Hussain	The Impact of Corruption on Exchange Rate: Empirical Evidence from Panel Data	Sukkur IBA Journal of Management and Business Vol 6 No 1, June 2019
Ikramuddin Junejo, Jawad Raza Khoso	The Impact of Climate Change on Pakistan's Agriculture sector: Evidence from OLS Regression & Co-integration	Journal of Economic Info 6(4): 1-4, November 2019

## ii. Conference Proceedings

Authors	Title	Published in
Ali Akbar Shah	Development of Intelligent Instrumentation for the Detection of Damage in a Test Bridge	5th IT4D Kathmandu, Nepal International conference, 3rd -4th August 2018
Mr. Ikramuddin, Jawad Raza Khoso	Impact Of Climate Change On Agriculture Sector: Evidence From Pakistan 2000-2015	3rd International conference on Experiential Learning (ICEL 2018) at IoBM (Institute of Business Management), Karachi, 20th October 2018
Ikramuddin Junejo, Jawad Raza Khoso, Afzal Khan Memon	Impact Of Insufficient Electricity Supply On Pakistan's Agriculture Sector: Evidence From OLS Regression Analysis	5th International conference on Energy, Environment and Sustainable Development 2018 held at Mehran University, November 2018

# Knowledge Creation and its Dissemination-Hyderabad Campus

Authors	Title	Published in
Ikramuddin Junejo	Impact of Education Expenditures on Primary School Enrollment: Empirical Evidence from Pakistan	1st International Conference on Education IBA Sukkur, 13th November 2018
Ali Akbar Shah	Design of Low Cost Smart Cat's Eye Reflector Device for Damage Identification of a Bridge	6th Global Wireless Summit International Conference Mae Fah University, Chiang Rai, Thailand, 25th November 2018
Murk Qadir Khoro & Murk Fatima Panhwar	Factors Impacting the Student's Loyalty: An Empirical Investigation of Higher Education Sector in Pakistan	3rd International Conference on Business & Management, Perspectives in the Asian context, Lahore Business School, The University of Lahore, 27th Nov 2018
Kapil Kumar, Sumbul Ghulamani	A Game Based Strategy to Overcome Stress Using Brain-Computer Interface	2nd International Conference on Innovation in Computer Science & Software Engineering (ICONICS), 5th December 2018
Ahsan Memon	A Robust Sampling Technique to Reduce Classification Time for Human Activity Recognition	4th International Conference on Recent Trends in Computer Science and Electronics University of Hawaii, USA, 3rd-6th Jan 2019
Pooja Pohwani	Impact of Foreign Aid on Economic Growth of Pakistan	1st National Conference SZABIST Larkana, 23rd February 2019
Ali Akbar Shah	A Novel Approach for Identifying the Effect of the Damage in a Test Bridge System Using Frequency Analysis	2nd International Multi-Topic Conference on Engineering and Science (IMCES) Mauritius, 5th - 7th May 2019

## iii. Seminars

Topic	Speakers	Date
Technology Development Fund (TDF)	ORIC SZABIST	July 18, 2018
Today's Generation Problems	Dr. Mehmood Mughal	October 25, 2018
Islamic Banking	State Bank of Pakistan	February 11, 2019
Book Club 3.0	Oratory Society	March 4, 2019
CSR Activities and Internships awareness	AIESEC	April 23, 2019
Big Data	Mr. Saad Shah	May 2, 2019



# Knowledge Creation and its Dissemination-Hyderabad Campus

## iv. Workshop

Workshop Title	Trainers/Organizers	Date
Talent Grooming	HEC USAID MNBSP	August 29-30, 2018
ZABOFFICE	IEEE SZABIST-Hyd	September 9, 2018
Peachtree	Mr. Feroz Aziz	November 30, 2018
Corporate Finesse	EDC SZABIST-Hyd	April 11, 2019
SPSS for Research Scholars	Mr. Ikramuddin	April 13, 2019
Time Management, Personal Branding and Conflict Management	EDC SZABIST-Hyd	April 18, 2019
MS Excel Training/Workshop	EDC SZABIST-Hyd	April 20, 2019

# Knowledge Creation and its Dissemination-Dubai Campus

## i. Journal Publications

Authors	Title	Published in
Bilal Ahmad Khan and Dr. Hummayun Naeem	The Impact of Strategic Quality Orientation on Innovation Capabilities and Sustainable Business Growth; Empirical Evidence from the Service Sector of Pakistan	International Journal of Quality and Reliability Management, Vol. 35, No.8, 2018
Bilal Ahmad Khan and Dr. Hummayun Naeem	Measuring the impact of soft and hard quality practices on service innovation and organizational performance	Total Quality Management, Routledge, Taylor and Francis Group. Vol. 29, No. 12, pp. 1402-1426, 2018
Ms. Rukhshunda Kamran	Designing a hybrid cloud for a supply chain network of Industry 4.0: A Theoretical Framework	Emerald Benchmarking: An International Journal 18th Feb, 2019
Ms. Rukhshunda Kamran	Multi-Dimensional Regression Host Utilization algorithm (MDRHU) for Host Overload Detection in Cloud Computing	Springer Journal of Cloud Computing Volume 8, Article number: 8 , 13th June 2019
Dr. Nasreen Sohail Khan and Ms. Sameera Rehman	Exploring the Relationship Between Work-Family Enrichment and Constructive Deviance: Applying Social Exchange Theory (SET)	International Review of Management and Business Research (IRMBR) Volume. 8, Issue. 2 Part 1, June 2019

## ii. Conference Proceedings/Book Chapters

Authors	Title	Published in
Mirza Zaeem Baig	Bridging the industry-academia collaboration gap: a focus towards final year projects	HP3C Proceedings of the 2nd International Conference on High Performance Compilation, Computing and Communications, Hong Kong March 2018
Naeem, H. and Tahir, M.	The Impact of Emotional Intelligence on the Transformational Leadership: An Evidence from the IT Industry of UAE	The Clute International Conference, San Francisco, USA Aug 5-8, 2018
Ms. Shafaq Zehra	Exploring and experiencing the state of euphoria	4th World Conference on Media and Mass Communication, Vol. 4, Issue 2, pp. 8-23, 2018



# Knowledge Creation and its Dissemination-Dubai Campus

## iii. Guest Speaker Sessions

Topic	Speakers	Date
Fundamentals of Business Finance	Mr. Suleman Punjwani	July 6, 2018
Human Resource Management	Ms. Waheed Sitwat	August 31, 2018
Banking Industry Practices and how do Banks Make Strategies to better Serve the Customers in UAE	Mr. Farrukh Nazeer	September 30, 2018
Customer Services Excellence at DEWA	Ms. Sana Arif	October 21, 2018
Women Empowerment in Pakistan from Islamic Perspective	Ms. Samia Mehmood	November 17, 2018
Financial Planning for Students	Abu Dhabi Islamic Bank	March 4, 2019
Auditing and regulatory scenario in UAE	Mr. Khalid Mehmood	March 20, 2019
ACCA (Association of Chartered Certified Accountants) Qualifications.	Mr. Hamid Khan	April 23, 2019

## iv. Workshops/Trainings Conducted

Workshop Title	Trainers	Date
Workshop on Google Ad words and Analytics	Ms. Sadaf Kamran	December 15, 2018
Data Analysis and Presentation using MS Excel 2016	Mr. Zubair Azam	January 25-26, 2019
Workshop on Empowering for Growth	SZABIST Dubai Student Placement Cell	April 15, 2019
Web Development Workshops	Mr. Zain Mehmood	May 5, 2019

## v. Publication of Books

Authors	Title	Published in
Dr. Naveed Ahmed Shaikh, Imtiaz Ahmed Pirzada, Parveen Shah	Economic Impacts of the 2010 Floods in North Sindh: A Hicksian Compensating Variation Approach	ISBN 978-605-2132-84-5, KSP Books, Turkey URL: <a href="http://books.ksplibrary.org/978-605-2132-84-5/">http://books.ksplibrary.org/978-605-2132-84-5/</a>

# Knowledge Creation and its Dissemination-Dubai Campus

## vi. Seminars

Title	Speakers	Date
Empirical study of Growth and Trade Patterns in Pakistan and Southeast Asian Countries (India, China, South Korea and Malaysia): Cointegration approach using ARDL Model	Dr. Naveed Shaikh and Mr. Kewal	August 16, 2018
Cost of Production, Technology and Credit Response to Per Acre Yield of dates in Pakistan: An Empirical Study	Dr. Naveed Shaikh and Mr. Zulfiqar Ali Shaikh	August 16, 2018
Value Added Tax(VAT) System in Japan : Lessons for Pakistan	Dr. Naveed Shaikh and Mr. Shahid Hussain	August 16, 2018
China- Pakistan Relations and Its Impact on Economic Growth of Pakistan [Time Series Analysis(1980–2015)]	Ms Faiza Murk	August 21, 2018

## vii. Papers Presented

Authors	Title of Paper	Presented at
Dr. Nasreen	Does Training & Employee Commitment Predict Employee Retention?	International Conference on Management and Information Systems (ICMIS-18) Conference, Chitkara University, Bangkok, September 21-22, 2018
Dr. Hummayoun Naeem	The Impact of Participative Leadership on emotional Exhaustion; an Evidence from the Banking Sector	7th Applied Psychological Research Conference in Middlesex University Dubai on 28th February 2019





# B

ANNEXURE

# Tables

# Tables

**Table 2.2: SZABIST Karachi Campus – Library Resources 2018-2019**

No.	Particulars	Quantity
<b>1</b>	<b>Printed Form</b>	
	<b>A. Books</b>	<b>15,234</b>
	a. Management Sciences	3,659
	b. Computer Sciences	3,045
	c. Media Sciences	393
	d. Social Sciences	2,594
	e. Economics	683
	f. Engineering	1,475
	g. Law	1,569
	h. Bioscience	406
	i. English	504
	j. Education	375
	k. Reference Collection	531
	<b>B. Reports</b>	<b>2,144</b>
	a. Independent Study	461
	b. Project	1,270
	c. Thesis	413
	<b>C. Journal/Magazines (Subscribed)</b>	<b>54</b>
	<b>D. Newspapers (Daily)</b>	<b>07</b>
<b>2</b>	<b>Digital Form</b>	
	<b>A. Computers</b>	<b>10</b>
	a. Digital library	06
	b. Counter Use	04
	<b>B. E-Books (SZABIST DIGITAL LIBRARY)</b>	<b>50,000</b>
	<b>C. E-Books (Ebrary HEC)</b>	<b>213,324</b>
	<b>D. CD's</b>	<b>777</b>
	a. Books Related	715
	b. General	72
	<b>D. DVD's</b>	<b>110</b>
	<b>E. Audio/Video Cassettes</b>	<b>133</b>
	<b>F. Journal/Magazines (Online)</b>	<b>8,500</b>
	<b>G. Access to Online Journals</b>	<b>Yes</b>
	1. Ebscohost	Yes
	2. Institute of Electronic and Electrical Engineering	Yes
	3. Jstor	Yes
	4. Emerald	Yes
	5. Taylor and Francis	Yes
	5. Project Muse	Yes
	6. Ebrary	Yes
	7. Wiley Blackwell	Yes
	8. ProQuest Dissertation & Theses	Yes
	9. Institute for Operations Research and the Management Sciences (INFORMS)	Yes
	10. SIAM	Yes
	11. ACM	Yes
	12. ASTM	Yes
	13. Springer Link	Yes



# Tables

**Table 2.3: SZABIST Karachi Campus – Computing Resources 2018-2019**

No.	Particulars	Quantity
<b>1</b>	<b>Servers</b>	<b>26</b>
	a. IBM	10
	b. HP Proliant	04
	c. Hawaii	03
	d. Acer	01
	e. Dell	08
<b>2</b>	<b>Desktop Computers</b>	<b>322</b>
	a. Pentium Core i7	26
	b. Pentium Core i7	46
	c. Pentium Core i7	180
	d. Dell Laptops	70
<b>3</b>	<b>Video Conferencing Facilities</b>	<b>01</b>
<b>4</b>	<b>Color Scanners</b>	<b>10</b>
<b>5</b>	<b>Printers</b>	<b>80</b>
	a. Color Laser	30
	b. Monochrome Laser	50
<b>6</b>	<b>Multimedia Projectors</b>	<b>50</b>
<b>7</b>	<b>License Softwares</b>	<b>04</b>
	a. KasperSky Antivirus	01
	b. Anti-plagiarism Check	01
	c. MS Office 2010 (200 User Lic.)	01
	d. Oracle Academy	01
	e. MSDN Academic Alliance (Unlimited access on all Microsoft educational softwares)	Campus License
<b>8</b>	<b>Digital Library Access</b>	<b>01</b>
<b>9</b>	<b>Premium CIR Bandwidth with PERN2 Access</b>	<b>128 MB</b>
<b>10</b>	<b>Fibre Link Internet Access (backup)</b>	<b>100 MB</b>

# Tables

**Table 2.5: SZABIST Islamabad Campus-Library Resources 2018-2019**

No.	Particulars	Quantity
<b>1</b>	<b>Printed Form</b>	
	<b>A. Books</b>	<b>15,402</b>
	a. Management Sciences	8,566
	b. Computer Sciences	3,828
	c. Media Sciences	198
	d. Social Sciences	1,533
	e. Miscellaneous	1,277
	<b>B. Reports</b>	<b>5,757</b>
	a. Independent Study	3,669
	b. Project	790
	c. Thesis	1,032
	d. Practicum	266
	<b>C. Current Journals/Magazines(subscribed)</b>	<b>22/8</b>
	<b>Newspapers (Daily) / Urdu Magazines</b>	<b>12/10</b>
<b>2</b>	<b>Digital Form</b>	
	<b>A. E-Books (SZABIST Digital library)</b>	<b>28,750</b>
	<a href="http://192.168.0.238/article_statistics.jsp">http://192.168.0.238/article_statistics.jsp</a>	
	<b>B. Books (Ebrary HEC)</b>	<b>142,000</b>
	<b>C. CD's</b>	<b>4,574</b>
	a. Research (IS) Related	3,522
	b. Books Related	852
	<b>A. DVD's (Video Lectures)</b>	<b>200</b>
	<b>B. Journal/Magazines (Online)</b>	<b>5,880</b>
	a. Emerald	Yes
	b. Springer Link	Yes
	c. Jstore	Yes
	d. Ebscohost	Yes
	e. Taylor and Francis	Yes
	f. Project Muse	Yes
	g. Ebrary	Yes



# Tables

**Table 2.6: SZABIST Islamabad Campus-Computing Resources 2018-2019**

No.	Particulars	Quantity
<b>1</b>	<b>Servers</b>	
	a. IBM Blade Center	03
	b. Dell Power Edge	07
	c. HP ProLiant	01
	d. Compaq	01
<b>2</b>	<b>Desktop Computers</b>	
	a. HP PRO Desk 600 Core i7	50
	b. HP PRO Desk 400 G5 Core i7	30
	c. HP PRO Desk 400 MT Core i7	104
	d. HP Elite Desk 800 Core i7	20
	e. HP and Dell Core (i3,i5)	32
	f. Dell OptiPlex 330	65
	g. Apple iMac Core i3, i5	16
	h. HP Compaq 2310	60
	i. Dell OptiPlex Core 2 duo	21
<b>3</b>	<b>Video Conferencing Facility</b>	<b>01</b>
<b>4</b>	<b>Color Scanners</b>	<b>04</b>

# Tables

**Table 2.8 : SZABIST Larkana Campus-Library Resources 2018-2019**

No.	Particulars	Quantity
<b>1</b>	<b>Printed Form</b>	
	<b>A. Books</b>	<b>3,546</b>
	a. Management Sciences	1,889
	b. Computer Sciences	851
	c. Literature	806
	<b>B. Reports</b>	<b>1,294</b>
	a. Project	420
	b. Internship reports	571
	c. Thesis (Management Science)	296
	d. Thesis (Computer Science)	07
	<b>C. Periodical Material</b>	<b>18</b>
	a. Magazines	09
	b. Newspapers (Daily)	09
<b>2</b>	<b>Digital Form</b>	<b>7,943</b>
	<b>A. E-Books</b>	<b>4,675</b>
	<b>B. CD's ( Books Related)</b>	<b>135</b>
	<b>C. CD's ( Students Thesis )</b>	<b>133</b>
	<b>D. Journal/Magazines (Online)</b>	<b>3,000</b>



# Tables

**Table 2.9 : SZABIST Larkana Campus-Computing Resources 2018-2019**

No.	Particulars	Quantity
<b>1</b>	<b>Servers Machines</b>	<b>07</b>
	a. Power Edge R720	02
	b. Core i7 Server TMG	03
	c. Core i5 Server Data Base	02
<b>2</b>	<b>Desktop Computers</b>	<b>147</b>
	a. Core i7	35
	b. Core i5	48
	c. Core i3	54
	d. Core 2 Duo, Dual Core, P-D	10
<b>3</b>	<b>Color Scanners</b>	<b>03</b>
<b>4</b>	<b>Printers</b>	<b>11</b>
	a. Color LaserJet M200	01
	b. HP LaserJet	10
	c. License Software	50+
	d. Multimedia Projectors	17
	e. Video Conferencing Facilities	01
	f. DC Power Supply	03
	g. Digital Meter	03
	h. Digital Storage Oscilloscope	03
	i. Logic Trainer	03
	j. Function Generator	02
	k. Micro Controller Trainer Kit	03
	l. Logic Probe & Pulsar	03
	m. Intelligent Counter	01
	n. Logic Trainer	03
	o. Digital Hand Held Multimeter	03
	p. Rasberri Pi 2 model B 1GB	01

# Tables

**Table 2.11: SZABIST Hyderabad Campus-Library Resources 2018-2019**

No.	Particulars	Quantity
<b>1</b>	<b>Printed Form</b>	
	<b>A. Books</b>	<b>3,254</b>
	a. Business Studies	1,859
	b. Computer Sciences	872
	c. General/Mixed	523
	<b>B. Reports</b>	
	a. Final year research Project/Report	32
	b. Thesis/Project	243
	<b>C. Journal/Magazines (Subscribed)</b>	<b>41</b>
	<b>D. Newspapers (Daily)</b>	<b>03</b>
	<b>E. Case Studies</b>	<b>127</b>
<b>2</b>	<b>Digital Form</b>	
	<b>A. E-Books</b>	<b>2,000</b>
	<b>B. CD's (Books Related)</b>	<b>200</b>
	<b>C. Journal/Magazines (Online)</b>	<b>4,589</b>
	<b>D. EBSCO host (Online)</b>	<b>05</b>
	<b>E. E-Journals</b>	<b>365 Articles</b>

# Tables

**Table 2.12: SZABIST Hyderabad Campus-Computing Resources 2018-2019**

No.	Particulars	Quantity
<b>1</b>	<b>Servers</b>	<b>02</b>
	A. Intel Xeon Dual Processor	02
<b>2</b>	<b>Desktop Computers</b>	<b>169</b>
<b>3</b>	<b>Video Camera with codec box and DSB</b>	<b>01</b>
<b>4</b>	<b>Color Scanners</b>	<b>03</b>
<b>5</b>	<b>Printers</b>	<b>19</b>
	A. Colored	02
	B. Laser Printer Black	17
<b>6</b>	<b>Multimedia Projectors</b>	<b>21</b>



# Tables

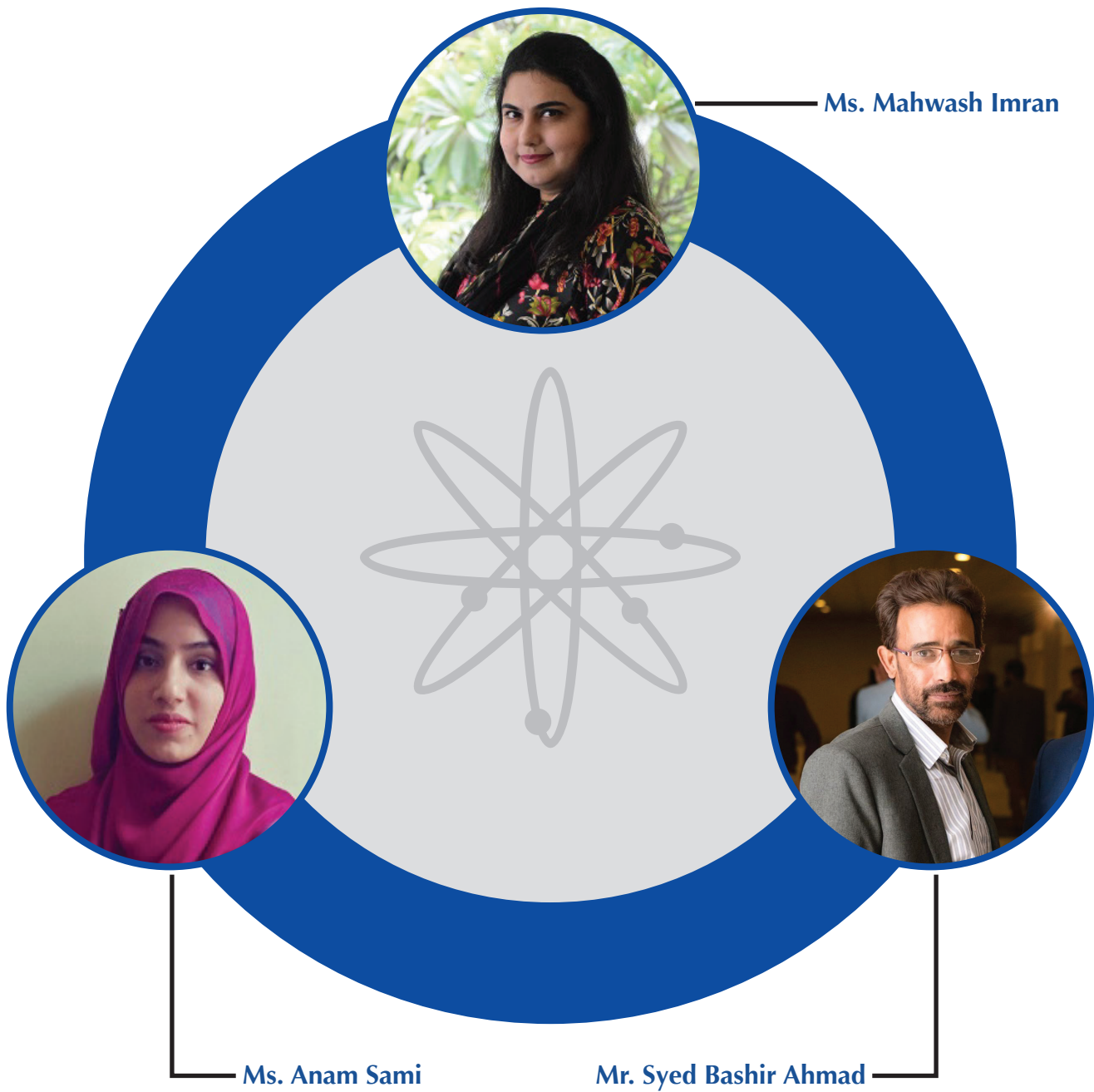
Table 2.14 : SZABIST Dubai Campus-Library Resources 2018 -2019		
No.	Particulars	Quantity
1	<b>Printed Form</b>	
	<b>A. Books</b>	<b>3,118</b>
	a. Management Sciences	1,515
	b. Computer Sciences	751
	c. Media Sciences	354
	d. Economics	498
	<b>B. Reports</b>	<b>154</b>
	a. Independent Study	07
	b. Project	93
	c. Thesis	54
	<b>C. Journal/Magazines (Subscribed)</b>	<b>06</b>
	<b>D. Newspapers (Daily)</b>	<b>02</b>
2	<b>Digital Form</b>	
	<b>A. CD's</b>	<b>122</b>

# Tables

**Table 2.15 : SZABIST Dubai Campus-Computing Resources 2018-2019**

No.	Particulars	Quantity
<b>1</b>	<b>Servers</b>	<b>07</b>
	HP ProLiant	06
	DELL R320	01
<b>2</b>	<b>Desktop Computers</b>	<b>132</b>
	Core i7 Dell 7040	05
	Core i7 Dell 9020	03
	Core i5 3.2 GHz	25
	Pentium Core 2 Duo	34
	Pentium Dual Core	19
	Pentium-IV	42
	MAC Pro	03
	iMAC MK462 5K	01
<b>3</b>	<b>Virtual Desktop Infrastructure Enabled Computer Lab</b>	<b>19</b>
<b>4</b>	<b>Video Conferencing Facilities</b>	<b>01</b>
<b>5</b>	<b>Printer with Scanner</b>	<b>13</b>
	Color Laser	03
	Multifunction (Scanner/Printer/Copier)	02
	Monochrome Laser	08
<b>6</b>	<b>License Softwares</b>	<b>119</b>
	Microsoft Dreamspark Subscription	
	Win Server 2012 All Version – Through Microsoft Dreamspark Subscription	unlimited
	Win Server 2008 All Version – Through Microsoft Dreamspark Subscription	unlimited
	Windows 10 All version - Through Microsoft Dreamspark Subscription	unlimited
	Windows 8 All version - Through Microsoft Dreamspark Subscription	unlimited
	Windows 7 All version - Through Microsoft Dreamspark Subscription	unlimited
	MS-Visual Studio 2015 - Through Microsoft Dreamspark Subscription	unlimited
	MS-Visual Studio 2012 - Through Microsoft Dreamspark Subscription	unlimited
	MS-Sql Server 2014 -Through Microsoft Dreamspark Subscription	unlimited
	MS-Sql Server 2012 -Through Microsoft Dreamspark Subscription	unlimited
	MS-Sharepoint Server 2012 - Through Microsoft Dreamspark Subscription	unlimited
	MAC Snow leopard OS	03
	MAC Snow leopard OS	03
	OS X El Capitan	01
	SPSS 17 Student Edition	06
	Adobe Master Collection CS4 WIN IE	02
	Adobe CS2	10
	MS-office Professional 2007	50
	MS-office XP	30
	MS-Project 2003	01
	Microsoft windows 7 pro 64- bit OEM	10
	Visual Basic.Net 2003	06
<b>7</b>	<b>Multimedia Projectors</b>	<b>16</b>

# Editorial Committee



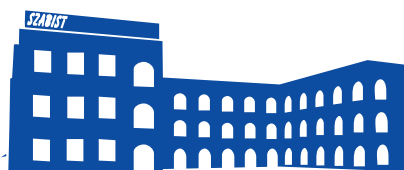


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