



SZABIST

SZABIST ANNUAL REPORT 2017-2018 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	MAP	Management Association of Pakistan
AAP	ASER-Alliance Pakistan	MAP	Marketing Association of Pakistan
ACCA	Association of Chartered Certified Accountants	MBA	Master of Business Administration
ACM	Association for Computing Machinery	MBA B&F	Master of Business Administration Banking and Finance
AIC	Accreditation Inspection Committee	MBC	Minimum Bactericidal Concentration Test
APQN	Asia Pacific Quality Assurance Network	MBI	Masters in Business Intelligence
AQAIIW	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
BEME	Bachelor of Engineering in Mechatronics	MS ELM	Master of Science in Educational Leadership and Management
BMS	Bachelor of Media Sciences	MSCS	Master of Science in Computer Science
BoS	Board of Studies	MSDS	Master of Science in Development Studies
BoT	Board of Trustees	MSMD	Master of Science in Media Studies
BS Bio	Bachelor of Science in Biosciences	MSMS	Master of Science in Management Sciences
BSAF	Bachelors of Accounting and Finance	MSPM	Master of Science in Project Management
BSCS	Bachelor of Science in Computer Science	MSSE	Master of Science in Software Engineering
BSEnr	Bachelor of Science in Entrepreneurship	MSSS	Master of Science in Social Sciences
BSSS	Bachelor of Science in Social Sciences	MTA	Medical Technical Assistants
CIEC	Chartered Inspection and Evaluation Committee	NBEAC	National Business Education Accreditation Council
CILT	Chartered Institute of Logistics and Transport	NCEAC	National Computing Education Accreditation Council
CIR	Continuous Improvement Report	NGIRI	National Grassroots ICT Research Initiative
CRER	Center for Renewable Energy Research	NICT	National Information and Communication Technologies
CSR	Corporate Social Responsibility	NRCMB	National Research Conference on Management and Business
DAI	Degree Awarding Institute	NTS	National Testing Service
DC	Doctoral Committee	NUST	National University of Sciences and Technology
DERB	Departmental Ethics Review Board	ORIC	Office of Research, Innovation and Commercialization
EDC	Executive Development Center	PAF	Pakistan Air Force
EMBA	Executive Master of Business Administration	PDA	Personal Digital Assistant
FFT	Freshmen Futsal Tournament	PhD CS	Doctorate of Philosophy in Computing
FUIW	Federation of the Universities of Islamic World	PhD ELM	Doctorate of Philosophy in Educational Leadership and Management
GPA	Grade Point Average	PhD MS	Doctorate of Philosophy in Management Sciences
HEC	Higher Education Commission, Pakistan	PIFF	Pakistan International Film Festival
HOD	Head of Department	PMBA	Professional Master of Business Administration
HRDN	Human Resource Development Network	PT	Program Team
IAU	International Association of Universities	QAA	Quality Assurance Agency
IBA	Institute of Business Administration	QEC	Quality Enhancement Cell
ICCI	Islamabad Chamber of Commerce	R&D	Research and Development
ICRC	International Committee of the Red Cross	RC	Research Committee
IEEE	Institute of Electrical and Electronics Engineers	RCoSKM	Rotaract Club of SZABIST Karachi MidCity
IERB	Institutional Ethics Review Board	SAGA	SZABIST Alumni Global Association
IMC	Intermediate College	SAR	Self-Assessment Report
IoBM	Institute of Business Management	SCBR	SZABIST Center for Biosciences Research
IPE	Institutional Performance Evaluation	SCRC	Stem Cell Research Center
IQA	International Qualification Assessment	SDRC	Sustainable Development Research Center
IR	Institutional Research	SEED	Social, Entrepreneurship and Equity Development
IT	Information Technology	SES	SZABIST Entrepreneurial Society
ITVE	Institute of Technical & Vocational Education	SIGs	Special Interest Groups
JISR	Journal of Independent Studies	SMEDA	Small and Medium Enterprises Development Authority
JSTC	Job Skill Training Center	SOAS	School of Oriental and African Studies
KHDA	Knowledge and Human Development Authority	SSC	SZABIST Student Council
LLB	Bachelor of Law	SUPARCO	Space and Upper Atmosphere Research Commission
LRBT	Layton Rahmatulla Benevolent Trust	USAID	United States Agency for International Development
LUMS	Lahore University of Management Sciences	VP	Vice President
M TVP	Master of TV Production	ZABLIS	SZABIST Library Information System
MA Edu	Master in Education	ZABMUN	SZABIST Model United Nations

Foreword

SZABIST Annual Report provides an opportunity to reflect Institute's contributions in augmenting intellectual capabilities of young generation through their tertiary education. The Institute is recognized for providing contemporary education in the faculties of Biosciences, Computing and Engineering Sciences, Social Sciences and Education, Management Sciences, Media Sciences and Law. SZABIST is well positioned to meet the objectives of its mission and make an impact on economic growth and sustainable development.

The SZABIST Annual Report 2017-2018 depicts the Institute's achievements during the year in each of its five university campuses. The report reflects decisions taken by the Management to attain the vision of the Founding Chancellor, Shaheed Mohtarma Benazir Bhutto, i.e. becoming a globally recognized institute for education and research. 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 tremendous progress and now 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 2017-2018, progress is evident from the significant growth in student enrollments, scholarships, CSR activities, and graduates. Moreover, the Institute plans to introduce more programs and organize a number of seminars, guest speaker sessions, conferences and workshops in the upcoming year 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 2017-2018 – University Campuses. In particular, work done by the editorial committee: Ms. Mahwash Imran, Ms. Maria Ali Shamsi, Ms. Sadia Gondal, and Mr. Bashir Ahmad is highly appreciated.

Chancellor's Message



SZABIST has come a long way since its inception in 1995. The institute has grown extensively and is recognized both nationally and internationally. The Annual Report 2017-2018 depicts the substantial progress of SZABIST in academia. The achievements reflect academic progress, growth in enrollment, improvements in infrastructure facilities, mutually supportive and rewarding MOUs and agreements and many other developments. I believe that our continuous 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.

At SZABIST, our students, faculty, alumni and staff stand out for their commitment to academic excellence, entrepreneurial spirit, diversity, vibrancy and creative innovation. This endorses our institutional devotion towards pluralistic societal development.

During 2017-2018, SZABIST has employed latest state-of-the-art technologies for effective delivery of curriculum and is currently planning various new endeavors for the upcoming year. Plans to acquire new buildings are in place for establishing more classrooms and facilities for faculty and students. The current infrastructure is being renovated as per variant requirements. In addition, SZABIST also has alliances and memberships with well-reputed international organizations, quality assurance agencies, online journals and information firms, such as Thomson Reuters, to bring a global perspective to all its programs and activities. Moreover, the Office of Research, Innovation and Commercialization (ORIC) was established at SZABIST to facilitate in matters pertaining to research, innovation, inventions, commercialization, and research publications.

Further, to ensure the delivery of premium quality education, SZABIST's Institutional Research Department/Quality Enhancement Cell (IR/QEC) works toward augmenting the academic and administrative structures, policies, and procedures. The department maintains 93.90% quantitative rating by Quality Assurance Agency, Higher Education Commission (QAA-HEC) to date.

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 enhanced SZABIST's market value. Also, constant efforts of Manager IR/QEC Ms. Mahwash Imran, Institutional Research Officers, Ms. Maria Ali Shamsi and Ms. Sadia Gondal, and Marketing Designer, Mr. Bashir Ahmed in the preparation of the SZABIST Trust Annual Report 2017-2018 are highly appreciated.

The achievements highlighted in this report reflect SZABIST's potential for further growth and expansion. 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 2017-2018 reflects hard work, dedication and passion of the management, faculty and staff. With continuous dedicated efforts, the Institute has further strengthened its position in the field of education. In over two decades, SZABIST has expanded its network and is currently catering to over 18,000 students. I am grateful to be part of such an esteemed and prestigious Institute.

The report depicts the achievements of the Institute at both National and International levels. I believe, education must be made affordable for everyone. Consequentially, SZABIST offers both need, as well as, merit-based scholarships. During 2017-2018, SZABIST made substantial financial contribution of more than Rs. 90 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, two state-of-the-art libraries were constructed along with successfully acquiring another property at Karachi Campus, with the aim of providing an opportunity for enhancement of knowledge and further expansion.

SZABIST is a multi-disciplinary institute with a range of academic opportunities for talented scholars, scientists, artists aspiring entrepreneurs and others who have been drawn from all over Pakistan to teach, create, perform and study 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 2017-2018. 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, three new programs were introduced: Bachelor of Science in Accounting and Finance, Bachelor of Science in Entrepreneurship and Master in Education. In addition, BE Mechatronics and MS/PhD ELM were granted accreditation status from PEC and NACTE, respectively. Another milestone was achieved with the initiation of Office of Research, Innovation and Commercialization (ORIC) at the Institute. The department intends to promote research culture and provide assistance related to innovation, research and development.

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 93.90% in the quantitative assessment by Quality Assurance Agency (QAA) – HEC, Pakistan. Furthermore, SZABIST external relation portfolio was enhanced by signing multiple MoUs. The MoUs signed nationally included ASER – Alliance Pakistan, Sindh Judicial Academy, Social, Entrepreneurship and Equity Development (SEED), and Pakistan International Film Festival (PIFF). MoUs signed internationally included Pak-China International Education System and Chartered Institute of Logistics and Transport (CILT), UK. These developments will increase educational opportunities for our students.

In conclusion, I would like to appreciate the work of IR/QEC 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 2017-2018. 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 promote democracy and to gather maximum benefits from limited resources. Once achieved, these goals will ultimately ameliorate Pakistan's image internationally.

In addition, SZABIST has enhanced quality of education by providing financial assistance to students in form of merit and need-based scholarships. Institutional Research/ Quality Enhancement Cell (IR/QEC) of SZABIST has achieved a remarkable ranking of 93.90% by Quality Assurance Agency (QAA), Higher Education Commission (HEC) of Pakistan.

In order to expand quality education in the year 2017-2018, SZABIST Karachi Campus has built two state-of-the-art libraries at 79 and 99 buildings with further plans to invest in new premises which will benefit education and students in the long run. Furthermore, SZABIST established Directorate of Schools and Colleges which launched three Montessori and Primary Schools at Larkana, Mirpurkhas and Hyderabad. The Intermediate Schools and Colleges were established at Larkana, Mirpurkhas and Tando Mohammad Khan. SZABIST ZABTech (iTVE) also introduced the Technical and Vocational Centers at 7 Districts offering around 16 Technical and Vocational trades to engage the unemployed youth.

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

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Secretary Board of Trustees



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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>1993</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>offered BBA and MBA programs.</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>1995</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>2004</p> <p>An Intermediate College (IMC) in Larkana was launched. In 2004, Larkana Campus became 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>2012</p> <p>MoA, MPM, and M TVP were launched at Karachi 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>1998</p> <p>SZABIST Karachi Campus introduced BBA, Masters degrees and Doctorates in Management Sciences and Computer Sciences.</p>	<p>2005</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>1999</p> <p>BSCS was launched at Karachi Campus.</p>	<p>2006</p> <p>EMBA program was introduced at the Islamabad Campus.</p>	<p>2013</p> <p>MPM, BSCS and MSCS were launched at Dubai Campus and BSCS was initiated in Larkana Campus.</p>
<p>2000</p> <p>SZABIST launched Job Skill Training Centers (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>2007</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>2014</p> <p>Montessori and Junior School were established in Mirpurkhas.</p>
<p>The SZABIST Islamabad Campus was established with the offering of BSCS.</p>	<p>2008</p> <p>Programs of MPM, PMBA and PhD-CS were introduced at the Islamabad Campus and BSMS was launched in Dubai Campus.</p>	<p>University of South Wales Top Up Program were introduced.</p>
<p>2001</p> <p>Masters degrees and Doctorates in Social Sciences were introduced at Karachi Campus.</p>	<p>2009</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>2015</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>A JSTC was set up in Nawabshah. BBA program was initiated at the Islamabad Campus.</p>	<p>Programs of BSMS, MBI and MISNA were introduced at the Islamabad Campus.</p>	<p>Day Care and Junior School were inaugurated in Hyderabad.</p>
<p>2002</p> <p>The external LLB program of University of London (UoL) commenced studies at Karachi Campus.</p>	<p>2010</p> <p>Further diversifying its portfolio, SZABIST offered BEME and MSMD at the Karachi Campus.</p>	<p>An ITVE* was established in Khairpur (GAMBAT).</p>
<p>2003</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</p>	<p>BSAF, MSPM, and MHRM were launched at the Islamabad Campus. MBA-90 program was initiated at Larkana Campus.</p>	<p>2017</p> <p>Stone foundation ceremony of SZABIST School of Engineering and Applied Sciences took place at Gharo.</p>
	<p>A JSTC was set up in Tando Mohammad Khan. SZABIST opened a Montessori and Pre-Primary School in Larkana.</p>	<p>Programs of BS Accounting and Finance, BS Entrepreneurship and MA Education were introduced at the Karachi campus.</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>ITVE were established in Gharo-Thatta and Sehwan Jamshoro.</p>
	<p>2011</p> <p>BS Bio and MBA B&F were launched at Karachi Campus.</p>	<p>2018</p> <p>SZABIST 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>

* JSTCs were renamed to ZABTech ITVE

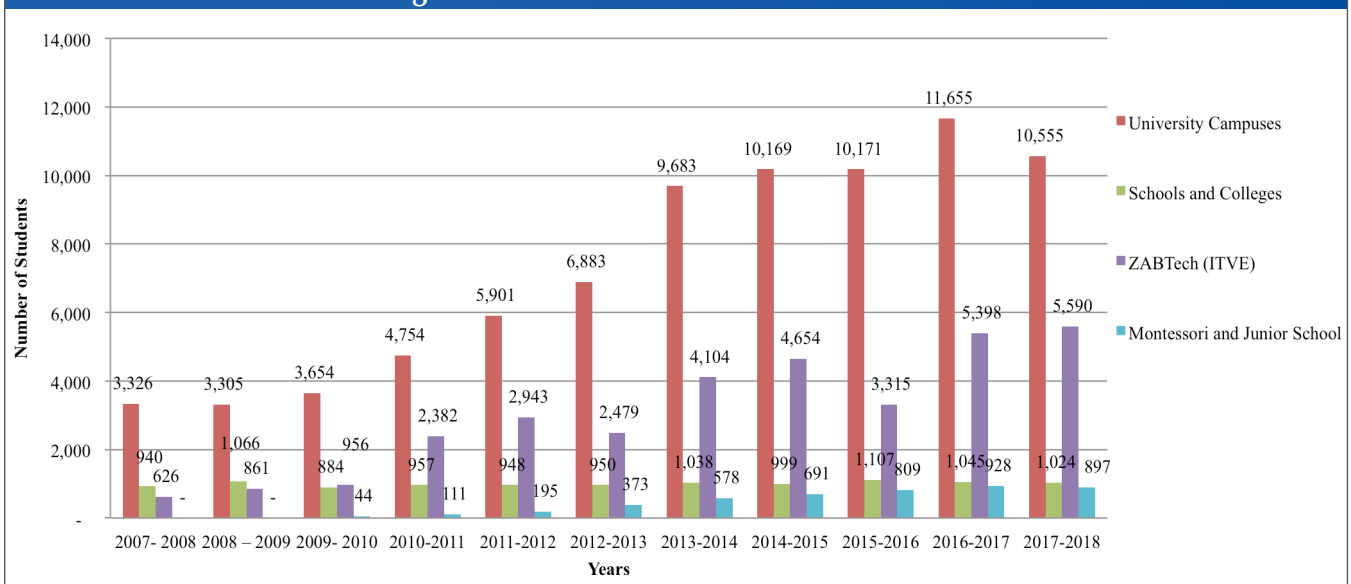
SZABIST and its Subsidiaries

Table 1.1 : SZABIST Growth in Enrollment

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

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 Administration 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 organi-



zations 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 Azam

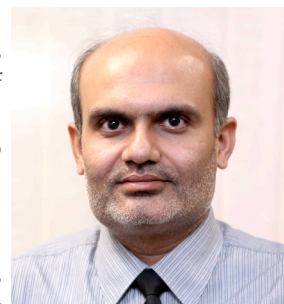
Dr. Zahida Azam was appointed as Head of Campus Larkana in Fall 2016. Dr. Azam acquired her MS and PhD degrees from SZABIST Karachi. She has been associated with SZABIST Larkana Campus since 1997. Previously, she worked as an Assistant



Professor and BBA Program Manager (Management Sciences). In addition, she is Head of a 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.

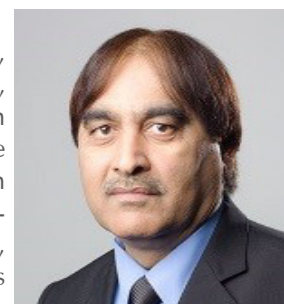
Mr. Jawad Khoso

Mr. Jawad Raza Khoso was appointed as the Head of Campus of SZABIST Hyderabad in November 2013. Mr. Khoso post-graduated with a 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.



Dr. Muhammad Nawaz Brohi

Dr. Muhammad Nawaz Brohi, Head of SZABIST Dubai Campus, earned his PhD in Information Technology from Pakistan. He completed his PhD research courses from Northeast University of Technology, Shenyang, China. Dr. Brohi has a Master's degree in Computer Sciences from Quaid-e-Azam University, Islamabad. He brings with him over 30 years of rich and diverse experience in the fields of higher education, research, and administration across various educational institutions in Pakistan and the United Arab Emirates. Dr. Brohi has contributed immensely to the IT sector of Pakistan and was amongst the founding members of the Computer Science department at University of Sindh, Jamshoro. Before joining SZABIST Dubai, Dr. Brohi was the Head of IT, Preston University, Ajman, United Arab Emirates, and IT Course Leader, University of Bedfordshire, UK.



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 and research, and distinction in service.



Initially, only 2 degree programs were offered at the campus but today the Institute is offering 28 degree programs in the fields of Management Sciences, Computer Sciences, Law, Social Sciences, Media Sciences, Mechatronics Engineering, Biosciences and Education.

During the year, 30 full-time faculty members including 19 PhDs were hired.



Given below are the summary statistics of the campus for 2017-2018:

**Table 2.1: SZABIST Karachi Campus-
Students and Faculty 2017-2018**

Total Number of Students	6,318	
Total Number of Graduates (to date)	8,285	
Admissions 2017-2018	Applicants	Admitted
BBA	1,988	310
BS Accounting and Finance*	309	99
BS Entrepreneurship*	52	22
MBA (Day and Evening)	491	326
MBA Banking and Finance	29	23
Executive MBA	52	38
Master of Project Management	64	39
MS Project Management	61	37
MS Management Sciences	35	22
PhD Management Sciences	14	9
BS Computer Sciences	596	202
MS Computer Sciences	32	17
PhD Computer Sciences	7	2
Bachelor of Media Sciences	267	128
Master of Advertising	25	18
MS Media Studies	9	7
BS Social Sciences	244	120
MS Social Sciences	17	11
PhD Social Sciences	5	3
BE Mechatronics	165	78
BS Biosciences	85	54
Master of Public Health	67	47
MS Biosciences	14	13
MA Education*	28	17
MS Education Leadership and Management	19	13
PhD Education Leadership and Management	4	4
LLB (University of London)	189	107
BA Business Studies	134	118
Acceptance Rate (%)	38%	
Total Admissions	1903	
Full-Time Faculty	130	
Adjunct Faculty	193	

Biannual admissions were conducted for BS Biosciences, MA Education, MS and PhD ELM
* New Programs introduced in Fall 2017.

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 Computer Science



Dr. Husnain Mansoor

Program Manager
MS and PhD Computing



Mr. Asim Riaz

Program Manager (Year 3 and 4)
BS Computer Science



Ms. Faria Jameel¹

Program Manager (Year 1 and 2)
BS Computer Science



Dr. Adeel Ansari

Faculty Computing



Mr. Muhammad Asim Ali

Faculty Computing



Mr. Adeel Ahmed

Faculty Computing



Dr. Faraz Junejo

Head of Mechatronics



Mr. Aneel Ahmed

Program Manager
BEME



Dr. Ahmad Hussain²

Director ORIC
Faculty Mechatronics



1- Ms. Faria Jameel was appointed as Program Manager of BS Computer Science (Year 1 and 2) in Fall 2017.

2- Dr. Ahmad Hussain joined SZABIST in Spring 2018.

Dr. Raza Akbar
Faculty Mechatronics



Mr. Mazhar Ali
Program Manager
MBA (Evening)



Ms. Humera Rafiq
Faculty Mechatronics



Mr. Jamil Ahmed
Program Manager
EMBA



Dr. Kaiser Bengali³
Dean of Management Sciences



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



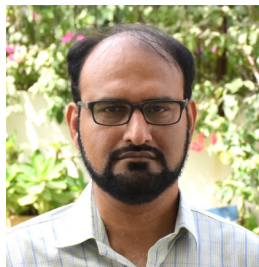
Dr. Muhammad Kashif
Head of Management Sciences
Editor and In-Charge
Publications of Research Journals



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



Dr. Muhammad Aqil
Program Manager
MS and PhD Management Sciences



Ms. Shehla Najib
Program Manager
BA in Business Studies



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



Dr. Jawaid Ahmed Qureshi
Faculty Management Sciences
Secretary BASR



3- Dr. Kaiser Bengali joined SZABIST as a Professor (Adjunct) in Fall 2017. He became the Head of Department of Management Sciences in Spring 2018.

Dr. Manzoor Ali Isran
Faculty Management Sciences



Dr. Jameel Ahmed⁸
Faculty Management Sciences



Dr. Kamran Ahmed
Faculty Management Sciences



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



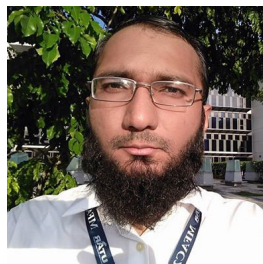
Dr. Hameed Akhtar⁴
Faculty Management Sciences



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



Dr. Salman Ahmed Shaikh⁵
Faculty Management Sciences



Mr. Syed Muhammad Ali Shah
Program Manager
BS Social Sciences



Dr. Syed Hasnain Alam Kazmi⁶
Faculty Management Sciences



Dr. Mudassar Aziz
Faculty Social Sciences



Dr. Zafar Hayat⁷
Faculty Management Sciences



Dr. Erum⁹
Faculty Social Sciences



4- Dr. Hameed Akhtar joined SZABIST in Spring 2018.
5- Dr. Salman Ahmed Shaikh joined SZABIST in Spring 2018.
6- Dr. Syed Hasnain Alam Kazmi joined SZABIST in Spring 2018.

7- Dr. Zafar Hayat joined SZABIST in Spring 2018.
8- Dr. Jameel Ahmed joined SZABIST in Spring 2018.
9- Dr. Erum joined SZABIST in Fall 2017.

Dr. Mehak Ejaz
Faculty Social Sciences



Dr. Bela Nawaz¹⁴
Faculty Social Sciences



Dr. Naheed P. Malbari¹⁰
Faculty Social Sciences



Dr. Najmonnisa
Head of Department Education



Dr. Sana Hussain¹¹
Faculty Social Sciences



Dr. Ghazala Rahman Rafiq
Director Sindh Abhyas Academy
Faculty Education



Dr. Mian Muhammad Umair Rafiq
Faculty Social Sciences



Ms. Sadiya Azeem Durani
Faculty Education



Dr. Alam Raza¹²
Faculty Social Sciences



Ms. Hira Anwar
Program Manager
English



Dr. Saleem Raza Baig¹³
Faculty Social Sciences



Mr. Taimur Suri¹⁵
Acting Head of Media Sciences



10- Dr. Naheed P. Malbari joined SZABIST in Fall 2017.
11- Dr. Sana Hussain joined SZABIST in Spring 2018.
12- Dr. Alam Raza joined SZABIST in Spring 2018.

13- Dr. Saleem Raza Baig joined SZABIST in Spring 2018.
14- Dr. Bela Nawaz joined SZABIST in Spring 2018.
15- Mr. Taimur Suri replaced Mr. Shariq Chhapra as Acting Head of Media Sciences in Fall 2017.

Ms. Syeda Mehwish Zara Zadi
Program Manager
BS Media Sciences



Dr. Hamad Afzal Kayani
Program Manager
MPH and MS Biosciences



Dr. Sara Wahid¹⁶
Faculty Media Sciences



Dr. Jaishri Mehraj
Faculty Biosciences



Mr. Baber Naeem Sheikh
Faculty Media Sciences



Dr. Noor Sabah Rakhshani
Faculty Biosciences



Mr. Ghulam Us Suqlan Zaidi
Faculty Media Sciences



Dr. Mansoor Ahmed¹⁷
Faculty Biosciences



Mr. Irfan Kheiri
Faculty Media Sciences



Dr. Saira Yahya
Faculty Biosciences



Dr. Kashif Ali
Head of Biosciences
Program Manager
BS Biosciences
Head of Research Committee



Mr. Mehernosh Minoo
Acting Head of Law Program



16- Dr. Sara Wahid joined SZABIST in Spring 2018.
17- Dr. Mansoor Ahmed joined SZABIST in Spring 2018.

III. Library and Computing Resources

The library and computer resources at Karachi Campus are well maintained and frequently updated. The library contains approximately 14,500 books, and the computer labs are equipped with 312 desktop computers.

Details of these resources are available in Tables 2.2 and 2.3 in the Tables Annexure¹⁸.

IV. Admissions, Orientation and Convocation 2017-2018

SZABIST Karachi campus conducts its admissions annually during June-July. However, biannual admissions were carried out for 4 programs this year. The admission process includes a computerized test, interview and orientation for successful candidates. The admission campaign for Fall was initiated in May 2017, followed by a test and interview in July 2017. While, the admission campaign for spring was initiated in November 2017, followed by a test and interview on January 2018.



For Orientation 2017, multiple sessions were organized from August 29-30, 2017 at the Campus. The academic year was initiated on September 5, 2017. For the second orientation, a session was organized on February 6, 2018. The campus successfully enrolled a total of 1,903 students. SZABIST management, faculty and staff welcomed the entrants for embarking their new academic journey in the offered disciplines. The relevant Head of Departments and Program Managers introduced new students to their respective programs. Also, a proper tour was arranged for the newly inducted students to familiarize them with all the campus buildings.





The 14th Convocation was held on December 9, 2017 at PAF Convention Centre Karachi. The Chief Guest of the occasion was Mr. Murad Ali Shah, Chief Minister Sindh. More than 3,000 guests attended the event. At the ceremony, 1,026 degrees were conferred to graduates. Also, 12 Gold Medals and 11 Silver Medals were awarded to the graduates having outclassed academic performance in their respective domain.





B SZABIST Islamabad Campus

I. Introduction

SZABIST Islamabad Campus was established in 2000. Initially, the campus offered only 3 programs however, at present, it offers 19 degree programs along with distinct diploma courses. The programs are offered in multiple disciplines including Management Sciences, Computer Science, Social Sciences, Media Science, Development Studies and Project Management. Up till now, 4,785 graduates have successfully completed their programs. Further, more than 2,500 students are enrolled at the campus.



During the year 2017-2018, the number of full time faculty members increased to 76 including 31 PhDs.

The statistics summary of the campus for 2017-2018 is stated below:

Table 2.4: SZABIST Islamabad Campus – Students and Faculty 2017 - 2018

Total Number of Students	2,069	
Total Number of Graduates (to date)	4,516	
Admissions 2017-2018	Applicants	Admitted
BBA	363	133
BS Accounting & Finance	133	57
BBS	38	13
MBA Day (36 credit hours)	103	53
MBA Evening (36 credit hours)	138	101
MBA Evening (72 credit hours)	41	15
EMBA (2-Year)	65	36
PMBA (1-Year)	6	2
MHRM	34	13
MPM	274	234
MS Project Management	243	133
MS Management Sciences	119	62
PhD Management Sciences	27	3
BS Computing	298	129
MS Computing	82	40
PhD Computing	4	0
BS Media Communication and Studies	127	64
BS Social Science	156	58
MS Social Sciences	31	12
MS Development Studies	23	8
MS Sociology	3	0
Acceptance Rate (%)	50%	
Total Admissions	1,246	
Full Time Faculty	76	
Adjunct Faculty	78	

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



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



Mr. Ahmed Aslam
Program Manager
MPM



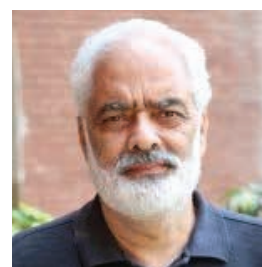
Mr. Zeeshan Hamid
Program Manager
BS (Accounting & Finance)



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



Dr. M. Daniel Saeed Pirzada
Faculty Management Sciences



Mr. Atif Bilal
Program Manager
PMBA, EMBA, MHRM



Dr. Ayesha Noor
Faculty Management Sciences



Dr. Shumaila Zeb
Program Manager
BBA (1st, 2nd and 3rd Year)



Dr. Muhammad Naveed
Faculty Management Sciences



Dr. Fuwad Bashir Awan¹⁹
Program Manager
BBA (7th, 8th BBA, MBA- Day)



Dr. Umer Zaman²⁰
Faculty Management Sciences



¹⁹- Dr. Fuwad Bashir Awan became the Program Manager in Spring 2017.
²⁰- Dr. Umer Zaman was associated with SZABIST till Spring 2018.

Dr. Muhammad Shahid Nawaz²¹
Faculty Management Sciences



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



Mr. Ahmed Ali Qureshi
Faculty Management Sciences/
Student Advisor



Dr. Azhar Mahmood
Program Manager
MS (Computing)
Faculty Computer Science



Ms. Faryal Razzaq
Faculty Management Sciences



Mr. Muhammad Nadeem Khokhar
Program Manager
BS Computing



Ms. Sabeen Hussain Bhatti
Faculty Management Sciences



Dr. Mohammad Rashid Salaria
Faculty Computer Science



Dr. Shahid Bashir Rasool²²
Faculty Management Sciences



Dr. Naeem Ahmed Khan
Faculty Computer Science



Dr. Mobeen Ur Rehman
Faculty Management Sciences



Dr. Muhammad Imran
Faculty Computer Science



21-Dr. Muhammad Shahid Nawaz was associated with SZABIST till Fall 2017.
22- Dr. Shahid Bashir Rasool joined SZABIST in Spring 2018.

Dr. Tazeen Athar²³
Faculty Computer Science



Dr. Abdul Razzaq²⁵
Faculty Social Sciences



Dr. Saba Riaz²⁴
Faculty Computer Science



Dr. Riffat Sardar
Faculty Social Sciences



Dr. Taraq Waheed
Program Manager
BS and MS Social Sciences



Ms. Aliya Abdul Hayee
Faculty Social Sciences



Dr. Shamim A. Sahibzada
Program Manager MSDS
Head of R&D,
Professor and Advisor to Graduate
Committee (MS)



Mr. Wajid Zulqarnain
Program Manager
Bachelor of Media Sciences



Dr. Muhammad Farooq Solangi
Faculty Social Sciences



Ms. Iffat Ali Aksar
Faculty Media Sciences



Dr. Rashida Qureshi
Faculty Social Sciences



Ms. Amna Zareef
Faculty Media Sciences



23- Dr. Tazeen Athar joined SZABIST in Fall 2017.
24- Dr. Saba Riaz joined SZABIST in Spring 2018.

25- Dr. Abdul Razzaq joined SZABIST in Spring 2018.

Mr. Naveed Ullah Hashmi
Faculty Media Sciences



III. Library and Computing Resources

SZABIST Islamabad Campus has a well maintained and updated computer and library resources with latest technology. The library acquires over 15,200 books of various disciplines and the computer labs are well equipped with 367 computers.

Details of the above mentioned resources are given in Tables 2.5 and 2.6 in the Tables Annexure²⁶.



IV. Admissions, Orientation and Convocation 2017-2018

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



26- See Annexure B

SZABIST Islamabad Campus

The Orientation for Fall 2017 was held from September 4-9, 2017 at SZABIST Islamabad Campus. The Head of Campus along with faculty and staff welcomed 701 newly enrolled students of Bachelors, Masters, M. Phil and PhD level. The students met their respective Program Managers and discussed various queries related to their programs.

The Orientation for Spring 2018 took place on January 29 and February 2-3, 2018 at SZABIST Islamabad Campus in which 545 new students were welcomed. A brief introduction about SZABIST programs, faculty, staff, and rules and regulations were communicated to the newly inducted students.



The 8th Convocation was held on April 17, 2017 at Pak-China Friendship Center, Islamabad. The Chief Guest of the event, Chairman Senate Senator (R) Farhatullah Babar, congratulated the 577 graduates, presented 15 students with gold medals, and encouraged students to exercise true potential and make this country proud.



C SZABIST Larkana Campus

I. Introduction

SZABIST Larkana Campus is one of the oldest campuses of SZABIST. Although it was established in 1995, its operations were suspended due to certain obstacles.



The campus reopened its operation in 2004. SZABIST Larkana campus is located at the center of interior Sindh and provides an excellent opportunity for those looking for outstanding knowledge and wisdom. It offers 3 degree programs: BSCS, BBA and MBA.

In 2017-2018, the campus had 524 enrolled students and 90 graduates. Furthermore, 5 full-time faculty members were hired at Larkana campus during the year.

Details of admission are given in the below mentioned table:

Table 2.7: SZABIST Larkana Campus Students and Faculty 2017-18		
Total Number of Students	524	
Total Number of Graduates (to date)	90	
Admissions 2017-2018	Applicants	Admitted
BBA	216	114
MBA (36 Eve)	21	19
MBA (90 Eve)	59	31
BSCS	45	28
Acceptance Rate (%)	56%	
Total Admissions	192	
Full-Time Faculty	20	
Adjunct Faculty	36	

II. Program Managers and Senior Faculty

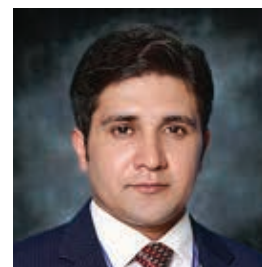
Dr. Zahida Azam
Head of Campus



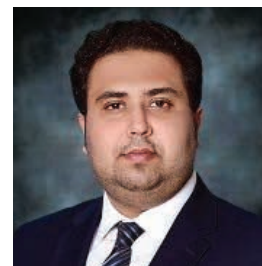
Mr. Naveed Anwer
Head of Management Sciences
Program Manager
MBA



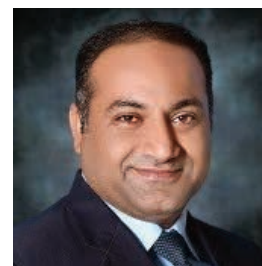
Mr. Shoaib Ali Shah
Program Manager
BBA



Mr. Imran Khan Junejo
Faculty Management Sciences



Mr. Jalil Ahmed Thebo
Faculty Management Sciences



Mr. Vickram Talreja
Faculty Management Sciences



Mr. Shahid Hussain
Faculty Management Sciences



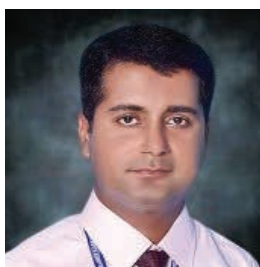
Ms. Rehana Oshaque
Faculty Management Sciences



Mr. Juned Ali Shah
Faculty Management Sciences



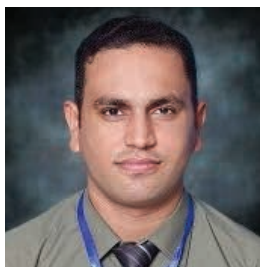
Mr. Qasim Ali Shah
Faculty Management Sciences



Mr. Majid Hussain
Faculty Management Sciences



Mr. Jameel Ahmed Khan
Faculty Management Sciences



Mr. Muhammad Sharif
Faculty Management Sciences



Ms. Urooj Aftab Mughal
Faculty Management Sciences



Ms. Aiman Rasheed
Faculty Management Sciences



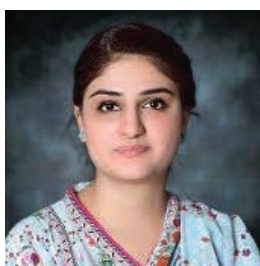
Mr. Raza Ali
Faculty Management Sciences



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



Ms. Sara Khan Chandio
Faculty Management Sciences



Mr. Maqsood Ali
Faculty Computer Science



Mr. Abdul Khaliq
Faculty Computer Science



Mr. Iftikhar Ahmed Umrani
Faculty Computer Science



III. Library and Computing Recourses

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 has more than 3,312 books, 4,650 e-books, and 268 research reports. Moreover, the computer labs of the campus comprises of around 135 desktop computers. In order to enhance students' learning experience and improve quality of 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 in the Tables Annexure²⁷.



IV. Admissions, Orientation and Convocation 2017-2018

At SZABIST Larkana Campus, admissions are held biannually i.e. in August (Fall semester) and in January (Spring semester) respectively. The admission process comprises of computerized test, interview and orientation.

The first biannual Orientation (Fall 2017) was organized on September 2, 2017 and the second biannual Orientation (Spring 2018) was held on February 5, 2018 at the Campus. The Head of Campus, HoDs, Program Managers, faculty and staff welcomed the new students at the ceremony.



SZABIST Larkana Campus celebrated its 12th Convocation on January 27, 2018. In total, 117 students graduated and almost 500 guests participated along with the members of press and media.



D SZABIST Hyderabad Campus

I. Introduction

SZABIST Hyderabad Campus was established in 2011. Over the past few years, the campus has grown both in capacity and number of students. The campus is recognized by Higher Education Commission (HEC). Further, BSCS program has been accredited by NCEAC-National Computing Education Accreditation Council. The campus offers 5 programs in two major disciplines, Management Sciences and Computer Science. Up till now, 426 graduates have successfully completed their programs and the campus has 1,113 enrolled students.



During the year, the number of full-time faculty members increased to 28 including 7 PhDs. The statistics summary of the campus for 2017-2018 is given below:

Table 2.10: SZABIST Hyderabad Campus - Students and Faculty 2017-2018

Total Number of Students	1,113	
Total Number of Graduates (to date)	426	
Admissions 2016-2017	Applicants	Admitted
BBA	445	236
BBS	16	9
MBA (36) + Continuation	53	44
MBA (72)	27	11
BS Computer Science	100	60
Acceptance Rate (%)	56%	
Total Admissions	360	
Full-Time Faculty	28	
Visiting Faculty	38	

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 Science



Mr. Umair Jamil Ahmed
Program Manager
BS Computer Science



Dr. Abdul Ghafoor Kazi
Faculty Management Sciences



Dr. Amir Hassan Pathan
Faculty Computer Science



Ms. Rifah Arshad
Faculty Management Sciences



Dr. Aijaz Ahmed Siddiqui
Faculty Computer Science



Mr. Ikramuddin Junejo
Faculty Management Sciences



Dr. Khizar Hayat Khuhawar
Faculty Computer Science



Ms. Murk Khero
Faculty Management Sciences



Ms. Sumbul Ghulamani
Faculty Computer Science



Mr. Amir Ali Khushk
Faculty Management Sciences



Ms. Saira Muzafar Memon
Faculty Computer Science



Mr. Muhammad Ahsan Memon
Faculty Computer Science



Mr. Aijaz Ali
Faculty Computer Science



III. Library and Computing Resources

SZABIST Hyderabad Campus possesses a well-structured library consisting of 3,075 books and the computer lab equipped with 127 computers.

Details of the library and computing resources are given in Tables 2.11 and 2.12 in the Tables Annexure²⁸.



28 - See Annexure B

IV. Admissions, Orientations and Convocation 2017-2018

The admissions at SZABIST Hyderabad Campus were held biannually i.e. in Fall (May) and Spring (December). The admission process consist of computerized test and interview followed by orientation.



The Orientation for Fall 2017 was held on August 30, 2017 and for Spring 2018 was organized on January 18, 2018 at the Campus. Program Managers, faculty and staff members welcomed the new students at the event.





SZABIST Hyderabad campus held its 5th Annual Convocation on February 10, 2018. At the ceremony, degrees were awarded to 152 graduates. Also, 3 Gold Medals and 1 Silver Medal were awarded to the graduates having outclassed academic performance in their respective domain.



E SZABIST Dubai (UAE) Campus

I. Introduction

SZABIST established its first off-shore campus in Dubai Academic City and started its operations in 2003. Currently, the campus offers 6 degree programs i.e. BBA, BSCS, MBA, EMBA, MPM and MSCS, in the disciplines of Management Sciences, Computing and Engineering Sciences.



The details of students and full-time faculty members for 2017-2018 are summarized in the following table:

Table 2.13 : SZABIST Dubai Campus - Students and Faculty 2017-2018

Total number of Students	531	
Total number of Graduates (to date)	88	
Admissions 2017-2018	Applicants	Admitted
BBA	53	53
MBA	25	25
EMBA	11	11
MPM	7	7
BS Computer Science	41	41
MS Computer Science	17	17
Acceptance Rate (%)	100%	
Total Admissions	154	
Full-Time Faculty	15	
Adjunct Faculty	18	

II. Program Managers and Senior Faculty

Dr. M. N. Brohi
Head of Campus



Dr. Hummayoun Naeem
Program Manager
Weekend Programs



Mr. Irfan Ali Larik
Program Manager
MBA and BBA (Evening)



Ms. Nabila Arif
Program Manager
BBA (Morning)



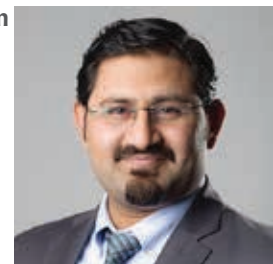
Dr. Naveed Ahmed Shaikh
Faculty Management Sciences



Dr. Nasreen Suhail Khan
Faculty Management Sciences



Mr. Syed Muhammad Zubair Azam
Faculty Management Sciences



Ms. Sumaira Gulzar
Faculty Management Sciences



Mr. Muhammad Imran
Faculty Media Sciences



Mr. Ahamad Amani
Program Manager
Computer Sciences



Ms. Shafaq Zehra
Faculty Media Science



Mr. Muhammad Ali Awan
Faculty Computer Science



Ms. Rukhshanda Jabeen
Faculty Computer Science



Ms. Rabiya Malik
Faculty Computer Science



Ms. Sumaira Osmani
Program Manager
Faculty Media Sciences



III. Library and Computing Resources

SZABIST Dubai Campus possesses 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 2.15²⁹.



IV. Admission and Orientations 2017-2018

Every year, biannual admissions are held at SZABIST Dubai Campus in Fall (July-August) and Spring (December-January) semesters. To avail the admissions, students have to submit an online application form, pass the computerized assessment test and interview. Further, students are encouraged to attend the orientation ceremony.

The Orientation for Fall 2017 was conducted on September 16, 2017 and Spring 2018 Orientation was held on February 17, 2018 at SZABIST Dubai Campus. Head of Campus, Program Managers, faculty and staff welcomed the new entrants at the event.

SZABIST Dubai 4th Convocation was held at Crowne Plaza Dubai on September 9, 2017. Dr. Abdulla Al Karam, Chairman of the Board of Directors and Director General of the Knowledge and Human Development Authority (KHDA), was the Chief Guest at the ceremony. Chancellor Dr. Azra Fazal Pechuho, President Ms. Shahnaz Wazir Ali, Vice-President Academics Dr. Altaf Mukati, Vice-President Admin & Finance Ms. Nasreen Haque and members of SZABIST Board of Trustees were present at the occasion.



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

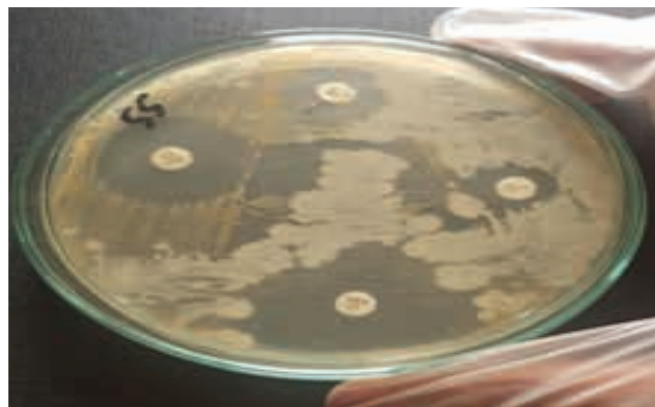
SCBR is fully equipped with the instruments needed to perform the prescribed research. It also has full access to high quality chemicals, reagents, and/or kits required to implement researches. The center is in the process of continuous improvement with respect to acquiring more equipment and chemicals 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

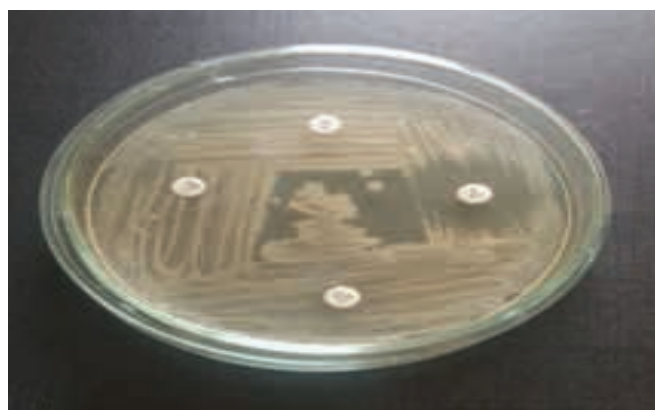
a. Existing Projects

1. Antibigrams related to Mobile Phones

A number of microorganisms which are potentially harmful to users are present on the mobile phones. This experimental study identified pathogenic bacteria on cell phones by biochemical characterization using biochemical kits including RapID ANA II and RapID SS/u and disc diffusion method. Out of 100 samples of cell phones monitored, 97 were found to be contaminated with bacteria. *E.coli*, *Staphylococcus aureus*, *Staphylococcus intermedius*, *Bacillus subtilis* were the most commonly found isolates. Species of yeast were also associated with some samples: *Candida albicans* and *Candida glabrata*. Antibiotic susceptibility testing was performed after the identification of bacterial isolates and resistant and susceptible microorganisms were identified.



Microorganism susceptible

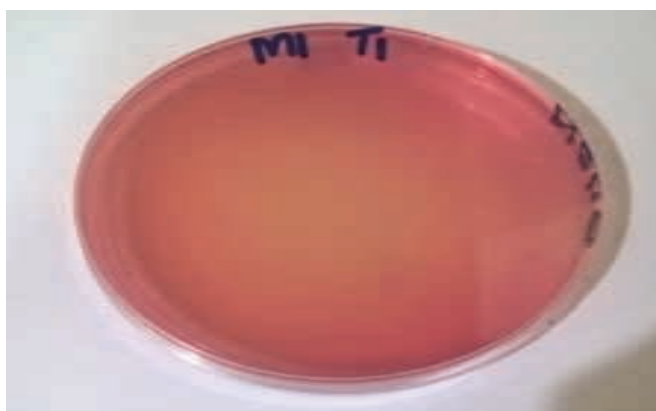
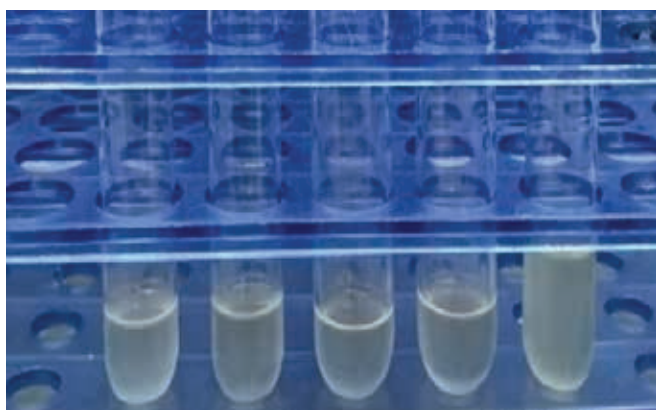


Resistant to various antibiotics

2. Effect of Efflux Pump Blockers on the Efficacy of Antibiotics against MRSA

The objective of the study was to study the effect of efflux pump blockers when used in combination with different types of antibiotics. The efflux pump inhibitors used were Tamoxifen and Verapamil. The antibiotics included in the study were Amphotericin B, Chloramphenicol and Nalidixic

Acid. They were used against five strains of Methicillin Resistant *Staphylococcus aureus*. The methods used for assessing the microbial inhibition and growth were Minimum Inhibitory Concentration (MIC) Test and Minimum Bactericidal Concentration (MBC) Test. It was found that when the antibiotics and efflux pump blockers were tested solely against the bacterial strains, high resistivity was observed. When the antibiotics were used in combination with the efflux pump blockers, the results were surprisingly very effective. The growth of bacteria was significantly inhibited, and efficacy of antibiotics was increased by blocking their removal from the cells by blocking the efflux pumps. The combination of Tamoxifen as efflux pump blocker and Amphotericin B as antibiotic gave better results against the bacterial strains when used in combination as compared to other drugs used in combination and solely. Thus, research should be more focused to study about the efflux pump blockers as they can serve as useful agents in treatment of pathogenic diseases.



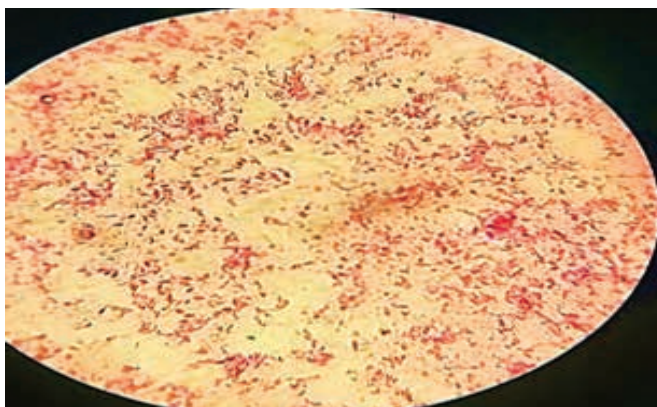
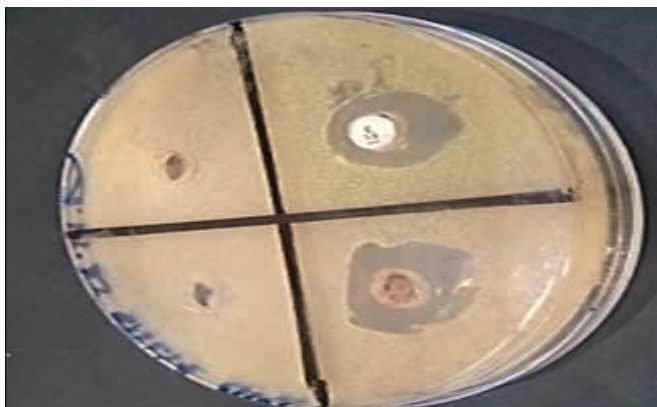
MIC Results for Tamoxifen B. MBC Result of Tamoxifen (256 µg/ml)

Tamoxifen (Blocker)						
	MRSA01	MRSA02	MRSA03	MRSA04	MRSA05	Std. Deviation
256 µg/ml	100	100	100	100	100	0
128 µg/ml	0	0	0	0	0	0
64 µg/ml	0	0	0	0	0	0
32 µg/ml	0	0	0	0	0	0
16 µg/ml	0	0	0	0	0	0
8 µg/ml	0	0	0	0	0	0
4 µg/ml	0	0	0	0	0	0
2 µg/ml	0	0	0	0	0	0

Table 1: Results of Tamoxifen for the MRSA Strains

3. Antimicrobial effects of Fruits And Vegetables on Food Borne Organisms and Probiotics

The objective of the study is to check the effect of fruits and vegetables with and without peel on the probiotics and foodborne organisms. Different samples were taken in order to isolate foodborne organism and probiotics. After the appearances of colonies on media and biochemical test of the bacteria, gram staining and catalase test were performed for the probiotics and foodborne organism. The effect of common antibiotics on the food-borne organism and probiotics were tested on the Muller Hilton agar. The antibiotics used were ampicillin, penicillin and streptomycin. The effect of fruits and vegetables with and without peel on the food borne organism and probiotics were shown using three different methods: MIC, MBC and well diffusion method. During the method of the probiotics, *Lactobacillus acidophilus* showed resistance against all the antibiotics whereas, in food borne organism, *Streptococcus agalactiae* showed resistance against all the antibiotics. The well diffusion method with peeled and without peeled tomato showed the highest activity against the entire food-borne organism and there was no effect on the probiotics between the complete 5 days experiment. After observation, it was noticed that tomato with peel inhibits *E. coli* with the concentration of 2.5 µg/ml and without peel shows *S. aureus* with the concentration of 1.25 µg/ml and MBC results were 5 µg/ml against the *E. coli*. In the case of apple, MIC with the concentration of 2.5 µg/ml against *S. aurgerus* and without peel on *E. coli* with the concentration of 2.5 µg/ml. and MBC results were 5 µg/ml against *S. aureus*.



Pictures representing antibiotic resistance, isolated colonies of Probiotics, and Gram Staining

b. Future Projects

The SCBR has initiated several new projects:

- Effects of Brazilian Nuts on High Cholesterol Levels in Blood.
- Isolation and Characterization of New Strains of Probiotics for Industrial Use.
- Metabolic Characterization of MRSA and MSSA.

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. In collaboration with Aga Khan University and DOW University of Health Sciences, various projects related to different genes involved in cancer and diabetes are also in the designing phase.

II. Sustainable Development Research Center (SDRC)

i. Introduction

The Sustainable Development Research Center (SDRC) was established on January 5, 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. Research Output

- SDRC published a report titled State of the Economy: 1990-2015 Economy on a Roller Coaster – And Stuck in the Mud! prepared by Dr. Kaiser Bengali, Dean of Management Sciences and Head of SDRC. Further, a seminar was organized on the stated subject on October

6, 2018 which was addressed by Dr. Farrukh Iqbal, Director IBA Karachi and Mr. Shabbar Zaidi, renowned financial expert. Dr. Bengali presented an alarming and disturbing situation with regards to multiple indicator related to the basic sectors of the economy: crop agriculture, large-scale manufacturing, and external trade report low growth and high level of volatility – which portrayed long-term stagnation.

- The SDRC team is engaged in a research study, Performance of the Pakistan Economy for the period 1965 – 1985 to fill a critical research gap in existing literature. The purpose of this research is to objectively assess the economic performance of this period, which is characterized by tumultuous change. The initial phase of literature review has been completed, along with basic data collection and analysis is in process.

iv. Seminars/Workshops

SDRC has organized a lecture session and a number of seminars during 2017-2018. Details of these seminars are mentioned below:

- SDRC, in collaboration with Faculty of Education and Social Sciences, organized two-day workshop on November 6-7, 2017, on ToT for Youth Leaders. Mr. Riaz Nawab, District Manager, Faces Pakistan and Dr. Riaz Ahmed Shaikh, Dean of Social Science and Education Department initiated the 1st and 2nd formal session and 3rd session was chaired by Allama Mohammad Ahsan Siddique, Ambassador/Secretary General/Founding Chief Executive Interfaith Commission for Peace and Harmony, Pakistan.
- SDRC, in collaboration with Faculty of Education and Social Science, organized a session on November 29, 2017, on Serving Humanity: Remembering Legends of Pakistan to pay tribute to our two legends, Abdul Sattar Edhi and Perveen Rahman. Dr. Riaz Ahmed Shaikh, Dean of Social Science and Education Department, opened the sessions with a formal note. Mr. Faisal Edhi, son of Abdul Sattar Edhi and Head of Edhi Foundation, and Ms. Aquila Ismail, younger sister of Ms. Perveen Rahman were the Chief Guests of the event.
- SDRC organized a lecture session on Democratic Transition in Pakistan on February 22, 2018. The session was addressed by Dr. Kaiser Bengali, Head SDRC/Dean of Management Sciences, and Dr. Riaz Shaikh, Dean of Social Sciences and Education Department.



- Goal 5 of SDGs demands various initiatives in the near future to ensure gender equality. On March 12, 2018, SDRC organized a seminar related to International Women's Day titled Everyday Issues that Dis-empower Women. Pathfinder International, in partnership with
- SZABIST SDRC, organized a Seminar on Family Planning and Population – Commemorating the World Contraception Day on October 10, 2018. Dr. Tabinda Sarosh, Country Director Pathfinder International, opened the session formally and highlighted the importance of family planning and population control.

iv. Future Plans

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

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, analyses, and assessments were prepared and conducted by IR/QEC in 2017-18. The achievement performance is the result of vigorous and persistent efforts of the QEC staff at SZABIST.

In 2015-2016, IR/QEC received its highest rating "93.90%" in the last quantitative assessment conducted by QAA-HEC. Furthermore, the QAA-HEC ratings for QEC SZABIST for the recent year is yet to be received. However, an extensive revision was done in March 2018 whereby a customized portal was developed for QAA-HEC with the assistance of ZabSolutions.



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.

In 2017-2018, the IR/QEC worked on the following 6 PT Reports of Islamabad and Hyderabad campuses. The PT report process has been completed for all programs and AT process of Islamabad has been initiated.



Islamabad (2): BSCS and MSSS



Hyderabad (4): BSCS, BBA and MBA (36 and 72 Credit Hours)

b. Preparing and Improving the Quality of Publications

Publications assist in enlightening stakeholders and profiling progress. Hence, the IR/QEC staff members meticulously work to enhance the quality of SZABIST's publications. In 2017-2018, IR/QEC team compiled, reviewed, and edited the following:

- SZABIST Trust Annual Report 2016-2017
- SZABIST Yearly Progress Report
- SZABIST Course Catalogue 2017
- SZABIST Course Catalogue 2018

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 2017-2018, the department conducted the following research studies:

- Admissions Analysis 2016-2017
- Admissions Analysis 2017-2018
- Comparative Analysis of Admission Fees of PhD Programs of SZABIST, LUMS, IBA, FAST, NUST and other public and private sector universities
- Program Analysis of BABS and BMS program
- Consolidated Faculty Survey Analysis 2016-2017
- Consolidated Faculty Survey Analysis 2017-2018
- Department-wise Faculty Survey Analysis - Management Sciences
- Number of Enrolled students in HEC recognized universities

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. During the year, 6 awareness sessions were conducted with Hyderabad and Islamabad.

2. Policies

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

a. Surveys

To further 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.

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.

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.

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.

v. Staff Survey

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. 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.

b. Admission Data Analysis

The IR/QEC staff members assisted in formulating direction for future academic operations, ensuring competitiveness, and determining marketing strategy by conducting a detailed analysis of admission data for Karachi, Islamabad, Larkana and Hyderabad campus.

The key highlights of Karachi campus during admission 2017-18 showed that total applications increased by 11% however, the applied-to-admitted rate was 37%. The admissions trend shows students intake of 1,445 in 2015, increasing to 1,771 in 2016 and then increasing to 1,903 in 2017, i.e. by 7.5%.

The results showed increase in number of applicants in BBA, MBA B&F, MBA 36 credit hours, EMBA, MS Project Management, BSCS, PhD Computing, BS Media Sciences, MSMD, BS Social Sciences, MSSS, PhD SS, Master of Public Health (MPH), MS Bio Sciences and LLB program.

On the other hand, a decline was seen in MBA 72 credit hours, MPM, MSMS, PhD MS, MSCS, BE Mechatronic, Master of Advertising, MS Education Leadership and Management, PhD Education Leadership & Management, BS Biosciences and BABS.

c. Program Analysis

Program analysis is helpful in identifying any constraints within the offered degree for sustaining quality and continuous improvement programs which must be addressed for a further strengthening of the offered program. Additionally, this planning tool helps program teams to explore factors that positively affect the academic and administrative structure of the program. During the year, IR/QEC conducted Program Analysis of two programs i.e. BA Business Studies (BABS) and Bachelors of Media Science (BMS).

d. 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 of further strengthening 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. The IR/QEC department conducted the audit for Fall and Spring 2017. Exam copies of all the campuses were assessed on the basis of the grading scheme implemented at SZABIST and evaluators' checking style. The report was submitted to VP Academics for further action.

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). 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. Visits



- HEC-QAA MS and PhD Review Visit at SZABIST Karachi on August 24, 2017.



- Degree Awarding Institute (DAI) USAID Grant Review Visit (Phase 1) at SZABIST Karachi on September 27, 2017.



- Three-day Self-Institutional Performance Evaluation (IPE) Visit to Karachi campus from June 25-27, 2018.

ii. Reports

- Continuous Improvement Report (CIR), NBEAC, based on the list of strengths and recommendations received by the Accreditation Inspection Committee (AIC).
- HEC MS and PhD Compliance Report in December 2017 to bring about changes identified by the HEC MS/PhD Review Committee.
- Degree Awarding Institute (DAI) - USAID Grant Review Visit (Phase 2) in May 2018.
- IPE comprehensive documentation (11 Standards and University Portfolio Report) for review visit in June 2018 was meticulously prepared.

b. Conferences/ Workshops/Seminars - IR/QEC

i. Participation

The IR/QEC staff attended the following workshops on HEC's quality assurance practices and standards arranged by QAA-HEC and other universities in 2017-2018.

Research and Development

- Awareness Seminar on Institutional Performance Evaluation organized by Indus University Gulshan-e-Iqbal Campus on October 4, 2017.



- Training workshop on Six Sigma in Higher Education organized by IoBM on November 21, 2017.



- Guest Speaker Session on Teamwork, Leadership, Quality and Development organized by SZABIST Karachi on April 12, 2018.



- Training on Revised Template of Yearly Progress Report, MS/M.PHIL and Ph.D. Program Review, and 13th Quarterly Progress Report Meeting on April 18-19, 2018.



- Guest Speaker Session on Quantitative Techniques used in Social Sciences Research organized by SZABIST Karachi on December 5, 2017.



- Symposium on Managing quality of Assessments in HEIs organized by Ziauddin University on May 15, 2018.





- Training workshop on How To Make Institutional Performance (IPE) More Effective organized by IoBM on June 29, 2018.



iii. Enhancement of QEC Portfolio

SZABIST enhanced its QEC portfolio by hiring the services of QEC representatives for four other campuses. The idea was to bring standardization in the academic and administrative services across all SZABIST campuses. Also, improve the quality of the academic programs by identifying the difference between SZABIST curriculum and respective market requirement. Thus, QEC personnel across all campuses is engaged in the execution and completion of Self-Assessment Reports (SARs) of their respective programs, conducting variant 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. The QEC department organized HEC-QAA Visit for Review of MS Programs on July 26, 2017. In addition, QEC attended 2nd National Level Seminar on Promoting Quality Culture in HEIs 2018 at University of Wah, Pakistan on May 10, 2018.

2. Larkana Campus

Quality Enhancement Cell (QEC) started its operations at SZABIST Larkana campus in January 2015. Ms. Pooja Pohwani, QEC in charge, was responsible for assessing, improving the quality of academic and administrative operations at the campus. Also, QEC Larkana is involved in updating the Self-Assessment Reports (SARs) of BBA, BSCS and MBA programs.

3. Hyderabad Campus

SZABIST Hyderabad Campus established the Quality Enhancement Cell (QEC) in February 2015 and actively promoted QEC's primary function of bringing standardization to academic programs in line with the guidelines enunciated by the Higher Education Commission (HEC).

4. Dubai Campus

Quality Enhancement Cell (QEC) was established at SZABIST Dubai Campus in January 2014. Prof. Dr. Hummayoun Naeem, Faculty Member, Department of Management Sciences, SZABIST, Dubai Campus, was nominated as a QEC Representative to assess and improve the academic and administrative structure of SZABIST Dubai Campus. At the preliminary phase, Self-Assessment Reports (SARs) of all programs i.e. BBA, BSCS, BSMS, MBA, EMBA, MSCS and MPM were initiated by the respective Program Managers. Along with SAR activity, faculty, staff, alumni and employer surveys were conducted to develop a better understanding of the market and program requirements. Further, in the second phase, the SARs were reviewed by the respective Assessment Teams (AT). Moreover, observations of the AT were discussed in meetings coordinated by QEC Karachi. In the final phase, AT findings were communicated to the President, Vice-President, Head of Campus and concerned Program Managers for future compliance.

iv. Future Plans

The IR/QEC department plans to continue its regular assignments of executing Self-Assessment Reports, conducting and analyzing surveys, preparing SZABIST Trust Annual Report and Course Catalogue, engaging in

compilation of various analyses and so forth. Further, in light of HEC-QAA revised criteria and benchmarked universities, IR/QEC is devising new strategies to eradicate weakness at the institute and strengthen the quality of education imparted at SZABIST.

In 2018-2019, IR/QEC will be concentrating on the second round of SARs of various programs offered by SZABIST, providing support to accreditation and regulatory bodies including HEC, NBEAC, PEC, NCEAC and others, and strengthening SZABIST publications and reports. The department also plans to participate and conduct QA workshops nationally and internationally. A new survey of current students will be undertaken in Spring 2019.

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) looks after the matters of students of MS and PhD programs in various departments. It monitors and evaluates the semester wise progress of individual students and tackles the issues of satisfactory to unsatisfactory performance, semester freezing, time bar issues, provision of approved supervisors and co-supervisors to them, getting theses and dissertations evaluated and examined by internal and external evaluators domestically or internationally from academically advanced countries, cancellation of admission, releasing notifications for award of degrees, and so on.

Recently, DC has established Departmental Ethics Review Board (DERB) and Institutional Ethics Review Board (IERB) to scrutinize all the research undertakings in MS and PhD programs from ethical consideration perspective, sequentially at departmental and institutional levels. In addition, DC discourses on the emerging policies and guidelines for compliance and accreditation of various programs pertaining to MS and PhD.

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. Under RC, the research journals are published biannually including The Journal of Independent Studies and Research (JISR) for Management, Social Sciences and Economics and the second one for Computer Science. Targets are set for improvements in research journals and securing their accreditation by international indexing agencies.

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, preparation of formal document of research policy, developing a financial databank of Thompson Reuters, and strengthen digital library, ZABLIS by adding more databases into it and integrating it with the intranet system.

V. Office of Research, Innovation and Commercialisation (ORIC)

i. Introduction

Office of Research, Innovation and Commercialisation (ORIC) at SZABIST was established in 2018 to provide end-to-end services for matters related to research and development, innovation, inventions, commercialization, patents, collaborations, arranging events, and research publication honorarium. The ORIC office also serves as a conduit to local, regional and federal partners to ensure research results aid the growth of Pakistan's economy.

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 & S&T Park.

- To work on commercialization of research and help startups to incubate, grow, create new jobs, products, services, markets, carry out innovation and bring in funding.

iv. Facilities

ORIC provides the following facilities:

a. Research grants offered by HEC for HEI/DEI.

ORIC provides support to the faculty members in all the research programs offered by the HEC. Some of these research programs include Technology Development Fund (TDF), National Research Program for Universities (NRPU), Pak-Turk Mobility Grant and PERIDOT (Franco-Pakistani Hubert Curien Partnership (PHC)).

b. Innovation

To bring the innovation culture to SZABIST, ORIC provides support to the faculty and students through the following:

Ignite

Ignite (Formerly National ICT R&D Fund) has been created through support of Federal Government to promote research and innovation by providing research grants in three areas, viz. technical research and development, human resource development, and innovative/commercial products. ORIC intends to take advantage of this program, for its faculty and students, by cultivating industry-academia partnership through funding concrete development and research initiatives. Further, it plans to enhance the capacity of ICT Human Resource Development by facilitating industrial demand-focused human resource capacity building and R&D capabilities in SZABIST and promoting ICT related educational programs and activities.



Young Entrepreneur Society (YES) Club

Young Entrepreneur Society (YES) Club is envisioned to represent those with passion for entrepreneurship and generate awareness of the entrepreneurship concept. Currently, ORIC is organising the first seminar on Young Entrepreneur Society (YES) club. The club intends to promote the culture of innovation and entrepreneurship amongst students. Further, ORIC intends to encourage bright students with innovative ideas and, if required, connect them with the industry for funding and support.

c. Commercialisation

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

Patent Filing and Licensing

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

d. 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 finalising 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.

v. Research Output/Achievement

a. Supervision of Predictive Analytics Lab (PAL)

The Predictive Analytics Lab (PAL) was approved by the Planning Commission on April 2, 2018. It is established under the umbrella of the National Center of Big Data and Cloud Computing. A total sum of PKR 81.24 million have been allocated for the project of which PKR 44.11 million are allocated for Islamabad Campus, while PKR 37.15 million are for Karachi Campus. PAL is granted to Islamabad Campus to target the healthcare domain. SZABIST is amongst the 12 selected labs that have been awarded this project to provide healthcare analytics for the following 5 programs working currently under the supervision of Health Department Sindh: Expanded Program on Immunization (EPI); Mother, New born and Child Health (MNCH); Lady Health Worker Program (LHW); Nutrition Support Program (NSP) and Tuberculosis (TB) Program.

There are 4 major goals of PAL are: Building up Intelligent analytics for Healthcare, Integrative Human Resource Capacity Building, Developing Data Repositories and Proving helpful analytics useful for decision making in Healthcare. SZABIST PAL uses the data generated by the health care programs of Health, Department Sindh, Pakistan to improve healthcare quality and coordination with an increased focus on patient-centric care.

Smart Manufacturing Lab

Smart Manufacturing Lab under the National Center for Big Data and Cloud Computing (NCBC) is being developed at SZABIST, Karachi. The objective of Smart Manufacturing Lab is the seamless integration of manufacturing operation i.e.

suppliers, plants, distributors, and the products in the core concept of Cyber-Physical Systems (CPS). This Lab will make use of internet of things (IOT) i.e. network of machines embedded with electronics, software, sensors, actuators, and connectivity which enables these things to connect and exchange data, thereby creating opportunities for more direct integration of the physical world into computer-based systems, resulting in efficiency improvements, economic benefits, and reduced human exertions. This lab aims at building a laboratory of technology for development and testing of innovative technologies, methods and concepts for intelligent production throughout the product's life cycle.

b. Pak-Turk Mobility Grant

Pak-Turk Researchers' Mobility Grant Program is implemented by the Council of Higher Education (CoHE), Turkey and Higher Education Commission (HEC), Pakistan. The objective of the Grant is to develop new scientific and technological cooperation between Turkish and Pakistani higher education institutions by supporting the mobility of graduate students and academic staff. The program also aims at providing mobility grant for research projects initiated at HEIs, supported by the own institution or by other donors. HEC and CoHE will provide funding for travel and living expenses to the researchers for their approved projects. The priority areas in 2018 are Energy Technologies, Food Technologies, Sustainable Environmental Technologies, Material Science, Smart Transportation Systems, and Robots and Smart Systems.

Call For Research Proposals

Pak-Turk Researchers' Mobility Grant Programme 2018

The Higher Education Commission (HEC) invites joint research proposals from Pakistani faculty members of public and approved private universities for HEC funding in the following six areas under Pak-Turk Researchers' Mobility Grant Programme:

- Energy Technologies
- Food Technologies
- Sustainable Environmental Technologies
- Material Science
- Smart Transportation Systems
- Robots and Smart Systems

The programme is one of the upshots of Pakistani-Turkish cooperation within the scope of internationalisation effort of higher education systems. The objective of this programme is to develop new scientific and technological cooperation between Pakistani and Turkish higher education institutions by supporting the mobility of graduate students and academic staff.

How to Apply

- Applicant must hold a faculty position in HEC recognised public and approved private universities for HEC funding.
- Pakistani researcher/PI is to identify Turkish partner.
- Partner universities are required to sign Memorandum of Understanding (MoU) with HEC.
- Projects to be submitted on prescribed form available at HEC website: www.hec.gov.pk/site/jtrg
- Partners must submit the project simultaneously in Pakistan and Turkey.
- Turkish counterparts may submit applications online at CoHE website: <http://tbl.ly/2hQa59w> while Pakistani researchers may submit the same application at the address given below.
- Maximum two research projects can be submitted by one principal investigator for funding.
- The application completed in all respects should reach the following address by **September 15, 2018** before 1600 hours PST.

Noshaba Awaiz, Director (R&D Division)
Higher Education Commission
 Sector 11-9, Islamabad. Ph: 051-90401944, 90401947
 nawaiz@hec.gov.pk | shahzad@hec.gov.pk

c. Technology Development Fund (TDF)

HEC took an initiative to finance proposals of completed interdisciplinary applied research projects for prototype development and industrial value addition for technology development. The proposed funded projects would be expected to develop a product or service which would positively impact, inter alia, the economy, solve a current problem, meet a market need, utilize local raw materials, move current products up the value chain, create large scale employment.



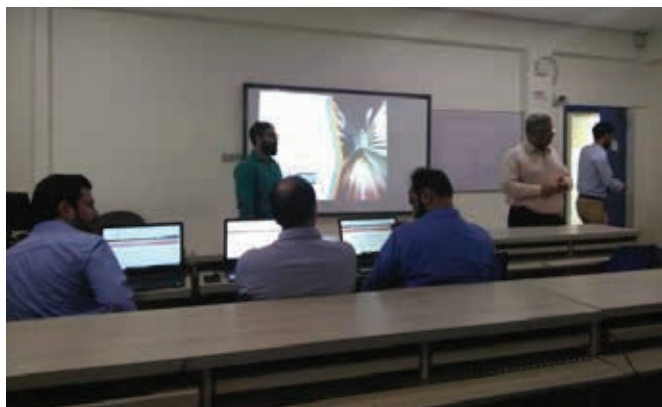
d. Business and Innovation Support Program (BISP-2018)

BISP is a nationwide startup competition for early stage Pakistani entrepreneurs or startups having a unique business idea. Pakistan Institute of Engineering and Applied Sciences (PIEAS) and SZABIST jointly organised a nationwide event on BISP in Karachi, Faisalabad and Islamabad on April 14, 21 and 28, 2018 respectively. During the event, 5 teams of SZABIST were shortlisted for PKR 1 million startup plan. The groups are in connection with the donors for their respective projects.

National Research Program for Universities (NRPU)

In this program, creative researchers are awarded the research grants of up to PKR 20 million. Execution period of the research project is 3 years maximum and 2 proposals can be submitted by the researcher (Principal Investigator). In line with the idea of promoting the culture of research and

innovation, ORIC conducted a training activity on NRPU (National Research Program for Universities). This training activity was carried out in Karachi and Hyderabad campuses. In Hyderabad campus, the faculty from Larkana also joined ORIC for the session. The ORIC is striving to have SZABIST in the NRPU program. Therefore, ORIC is in continuous coordination with the faculty members to discuss with the ORIC team and come up with the distinguished proposals for the submission.



Licensing and Commercialisation of ZABCMS and ZABDESK

The ZABDESK & ZABCMS are in-house designed software for student, staff and faculty that is being successfully used across all SZABIST campuses. ORIC is tasked with the responsibility to commercialize the ZABDESK and ZABCMS

software. Once the copyright process is fulfilled, ORIC is going to establish its contact with schools and colleges across the country to identify the potential and actual buyers.

Implementation of Outcome Based Education (OBE) in the Mechatronics Department

The idea of implementing the OBE was initially introduced by the ORIC. Furthermore, on the directions of Vice President Academics Dr. Muhammad Altaf Mukati, the initiative of the OBE was undertaken with primary focus on Mechatronics Department in March 2018. Initially, the mapping of the courses was done and approved in the BoS and BoF meetings. The Self-Assessment Report (SAR) was drafted in close consultation with the internal stakeholders, covering the 9 accreditation criteria. It was developed by the dedicated work of HoD Mechatronics Engineering Department, Dr. Faraz Junejo and his team, and was duly reviewed by Prof. Dr. Muhammad Altaf Mukati and Director ORIC Prof. Dr. Ahmad Hussain.

ERP (SZABIST) Gap Analysis

To strengthen the back office support within SZABIST, it was decided to conduct the ERP GAP Analysis. This will assist SZABIST in comparing the actual performance with potential or desired performance. The HR, Finance, Procurement, Administration and IT departments are the primary focus in the GAP analysis activity. Three organizations were contacted to conduct the GAP Analysis. Upon several departmental visits of these organizations and discussion with them, SAP (Systems, Applications & Products) software is selected to execute the auditing task.

Analysing the aerodynamic effect of NACA 4412 with gurney flaps for domestic sized wind turbine in Pakistan

A research study is being carried out in consultation with the Director ORIC. This is primarily being done keeping in view of the energy crisis in Pakistan and the significance of sustainable and renewable energy in the country. This study is going to generate results on how the efficiency of small-sized domestic turbine can be increased. A 3-D geometry is being designed for NACA 4412 blade profile with the gurney flaps. This is going to be simulated using the wind data made available by Pakistan Meteorological Department (PMD).

Recognition of Journal of Independent Studies Research (JISR-C)

The task to recognize the JISR-C from HEC was assigned on April 10, 2018. It was done by indexing the journal in various agencies and the pending issues of the journal were published. Necessary upgradation were also made on the website for the JISR - C. The meeting for the recognition of

the journal was held in Islamabad on May 10, 2018 and the journal was recommended for its recognition in the "Z" category by HEC on June 26, 2018.

CPD Course on Clean Coal Combustion Technology for power generation at SZABIST Karachi

The first Continuing Professional Development (CPD) Course was organised in collaboration with the Pakistan Engineering Council (PEC) on July 30, 2018. Dr. Ahmad Hussain, Director ORIC, and Dr. Faraz Junejo, HoD Mechatronics Department, successfully conducted the course.

Establishment of National Centre for Human Nutrition

The initiative was taken with approval of Madam President and Chancellor SZABIST. Dr. Kashif Ali, Head of Biosciences Department, with the involvement of the Health Department of Government of Sindh submitted the proposal to HEC.

vi. Future Plans

ORIC is striving hard to strengthen the research culture in all the disciplines of SZABIST and bring it at par with others institutions in the country and abroad. The ORIC Office is looking forward to improve the Human Resource Development Program and explore funding for establishing Research Labs for various departments at SZABIST. Special emphasis will be given to strengthen international linkages particularly with foreign universities based on joint research proposals for international funding.

ORIC will be arranging regular scientific seminars, colloquia, symposium etc. to promote the culture of interaction and sharing of scientific knowledge with researchers around the world. ORIC will work hard in promoting entrepreneurship, technology-transfer and commercialization activities that energize and support the local and national economy, and promote and enhance crosscutting and multi-disciplinary research initiatives.

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. Also, the Institute is expanding its academic horizon, catering dynamic industry requirements by launching new competitive programs periodically. These efforts have augmented career opportunities for students. During the year 2017-2018, SZABIST launched three new programs, details are provided below:

1. Bachelor of Science in Accounting and Finance (BSAF)

SZABIST Karachi launched Bachelor of Science in Accounting and Finance (BSAF) in Fall 2017. The BSAF program offers advanced skills and knowledge in the field of Accounting and Finance. The degree aims at providing strong foundation for a career and graduate-level study in Accounting and Finance. Students completing BSAF will also get an exemption in ACCA modules from F1 to F9.

2. Bachelor of Science in Entrepreneurship (BSEntr)

Bachelor in Science in Entrepreneurship was also initiated in Fall 2017. The program intends to provide solid foundation on starting up and running a business, with a special focus on developing interpersonal, business communication and leadership skills.

3. Master in Education (MA Edu)

Master in Education (MA Edu) was launched in Fall 2017. The program was launched to provide students interested in pursuing a teaching career with an opportunity to specialize in the fields of Teacher Education, Educational Leadership and Management and/or Early Childhood Education.

H Students' Activities and Educational Achievements

I. Students' Activities and Educational Achievements-Karachi Campus

SZABIST's Management strongly motivates its students to arrange, participate and indulge in activities that lead to their professional development. We firmly believe in grooming our students exceptionally so that they can flourish in their professional and personal lives. Student activities at SZABIST Karachi Campus comprises of students' achievements, student society events and field trips, corporate social responsibility (CSR) initiatives and department specific activities.

i. Students' Achievements

In the year 2017-2018, 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:

- Mariam Dawood, First year Law student, received King's Scholarship this year. The scholarship entitles her to study the second year at Queen Mary University of London.
- Rafay Mahmood, SZABIST Media Science Alumni 2010 won the Chevening Scholarship for Masters in Creative Industries from SOAS University of London.

ii. 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 number of clubs and student societies which are managed by SZABIST Student Council (SSC). These societies include:

- SZABIST Social Sciences Society (SSSS)
- SZABIST Oratory Society (SOS)
- SZABIST Model United Nations (ZABMUN)
- SZABIST Biosciences Society (SBS)
- SZABIST Sports Society (SSS)
- SZABIST Cultural Society (SCS)
- SZABIST Literary Society (ZABLITS)
- SZABIST Performing Arts Society (ZABPAS)
- SZABIST Association for Computing Machinery (ACM)
- SZABIST American Society for Mechanical Engineers (ASME)
- SZABIST Entrepreneurial Society (SES)

- SZABIST Law Society (SLS)
- SZABIST Institute of Electrical and Electronics Engineers (IEEE)
- Karachi SZABIST Campus Lions Club (KSCLC)
- ROTARACT Club of SZABIST Karachi

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 & Culture and Technical.

a. Leadership

- SZABIST Social Sciences Society organized a seminar on Denmark – Pakistan Relations on October 9, 2017 in which the Ambassador of Denmark was the Chief Guest and soul presenter. The seminar focused on the international trade and international relations focusing on Denmark and Pakistan.



- A three-day conference on Centennial Year of Russian Revolution: 1917 – 2017 was arranged by SZABIST Social Sciences Society on October 17, 2017. Some of the guest speakers were Dr. Prabhat Patnaik, Dr. Suchetana Chattopadhyay, Dr. Georgios Marinos, Dr. Talat Ahmed and Dr. Mubarak Ali.



- A speaker session on Women Empowerment was arranged by SZABIST Social Sciences Society on November 21, 2017. Among the speakers were Ms. Naheed Malbari and Ms. Sheema Kirmani.



- In collaboration with I am Karachi, SZABIST Social Sciences Society organized the 6th Influencer Dialogue "Shanakht" on November 15, 2017. The event was aimed at shedding light on our lost identities as Karachites and Pakistanis.



- Shaheed Zulfikar Ali Bhutto Model United Nation (ZABMUN) organized ZABMUN IX from November 26-29, 2017 at Marriott Hotel. The first social event was a Gatsby-themed night event. The closing ceremony was later followed by a night of mellifluous and soul stirring music of the Sabri and Sufi brothers.



- SZABIST Social Sciences Society organized an event on The Challenges of Youth Radicalization in the 21st Century on November 18, 2017. AIG Mr. Sanaulah Abbasi and Mr. Jibran Nasir were two of the main speakers of the event.

Students' Activities and Educational Achievements - Karachi Campus



- An event on Serving Humanity: Remembering the legends of Pakistan was organized on November 29, 2017. The event was aimed at highlighting the work of Mr. Abdul Sattar Edhi and Ms. Parveen Rehman. The speakers were Mr. Faisal Edhi and Ms. Aquila Ismail.



- In collaboration with SZABIST Oratory Society, SZABIST Social Sciences Society organized a panel discussion on Mental Health Awareness on October 14, 2017.



b. Community Services

- SZABIST Social Sciences Society collaborated with SZABIST Biosciences Society for First Aid Training on October 10, 2017. The training was provided by First Response Initiative Pakistan (FRIP).

Students' Activities and Educational Achievements - Karachi Campus

- SZABIST Lions Club volunteered in an event Ride for a Cause organized by Layton Rahmatulla Benevolent Trust (LRBT) on October 15, 2017. LRBT is a non-government organization working all across Pakistan to fight blindness.



- Together, SZABIST Biosciences Society and SZABIST Social Sciences Society organized a seminar on Breast Cancer Awareness in collaboration with Shaukat Khanum Memorial Cancer Hospital and Research Centre on November 1, 2017.



- SZABIST Student Council organized Breast Cancer Awareness Campaign on October 18, 2017 and the revenue was donated to Shaukat Khanam Memorial Hospital.



- SZABIST Lions Club organized a Trip to Edhi Orphanage on November 21, 2017 which included 15 Lions members from different programs and semesters.

Students' Activities and Educational Achievements - Karachi Campus



- SZABIST Law Society organized a Trip to Sindh High Court on November 21, 2017.

- SZABIST Sports Society and SZABIST Entrepreneurial Society organized a Teamwork, Character and Endurance Sports Carnival at the institute on September 6, 2017.



c. Sports

- A three-day event titled Manzil-e-Azaadi – Ab Khelega Har Bacha was organized by SZABIST Sports Society at the campus on August 12, 2017.

- Freshmen Futsal Tournament (FFT) was organized by SZABIST Sports Society on September 12, 2017.



- A Breast Cancer Awareness Sports Fest was organized by SZABIST Sports Society organized on October 12, 2017.



- SZABIST Sports Society organized Game-A-Thon Returns at the campus on November 12, 2017. Teams from all the programs were invited to play FIFA and Counter Strike to win the grand prize.



- Super League Season-II Volleyball was organized at the institute by SZABIST Sports Society on November 12, 2017.



d. Arts & Culture

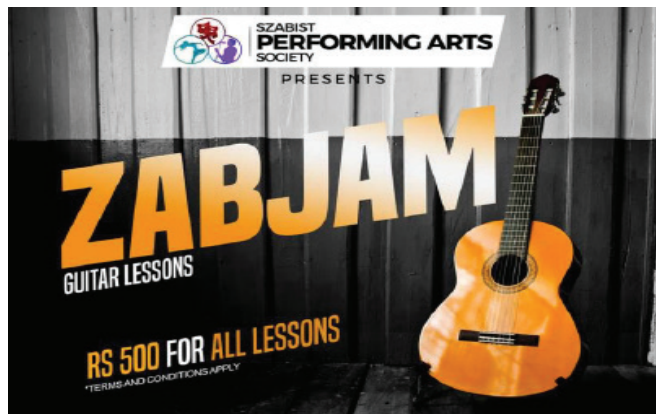
- In collaboration with SZABIST Culture Society, SZABIST Social Sciences Society arranged an Excursion Trip to Thatta on October 15, 2017. The trip included stops at the historical sites of Bhanbore, Makli, Shah Jahan Mosque and Keenjhar Lake.

Students' Activities and Educational Achievements - Karachi Campus



- SZABIST Social Sciences Society was invited by I am Karachi to visit their event, Lok Virsa, on November 11-12, 2017 at Arts Council.

- A workshop titled ZAB JAM was organized by SZABIST Performing Arts Society on November 6, 2017. The purpose of the workshop was to provide guitar lessons to beginners at a minimal fees.



- SZABIST Performing Arts Society successfully cleared the play screening process required by LUMS Drama Society to qualify for a play called Jiraah. It was a three-day event from November 9-11, 2017.

- SZABIST Literary Society's Music Appreciation Club organized a Guest Speaker session title Make Music Not War on November 13, 2017.



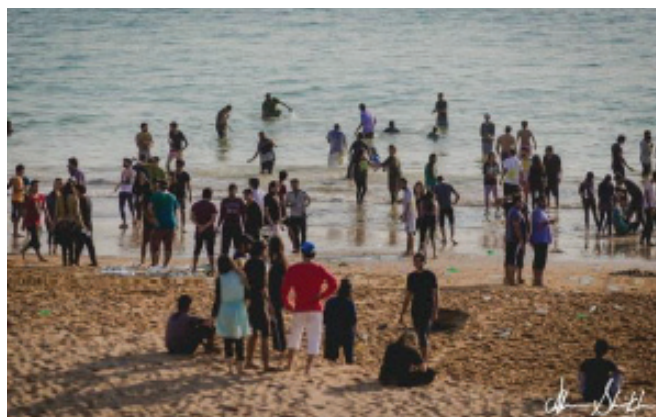
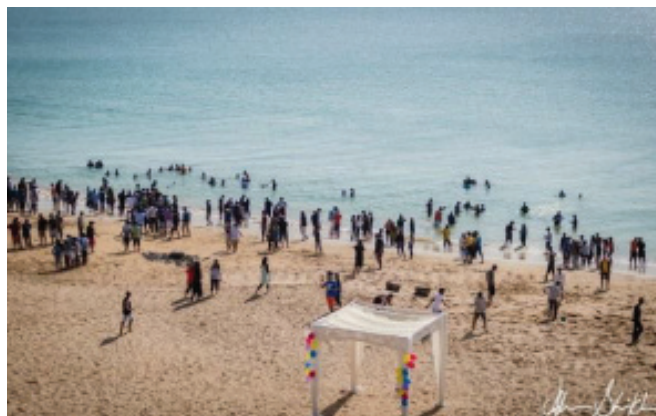
- SZABIST Student Council organized Rangreza Film Cast Visit to SZABIST on November 16, 2017. The visiting cast members included Urwa Hocane, Bilal Ashraf, Goher Rasheed and Asrar Shah.



- SZABIST Literary Society organized Open Mic Night on November 18, 2017.



- LEGASEA, a beach party was arranged by SZABIST Student Council on November 19, 2017 at Cape Monze. Students indulged in a colorful Rung party, beach volleyball competitions and delicious food.



- SZABIST Literary Society organized a discussion on Ek Thi Maryam on November 21, 2017 in remembrance of the Shaheed fighter pilot.

Students' Activities and Educational Achievements - Karachi Campus



- SZABIST Performing Arts Society organized Amtul Baweja – Theatre and Improv Workshop from November 24, 2017 at LUMS to conduct an improve-comedy workshop for the Theatre members of PAS.



- A Trip to Museum of State Bank of Pakistan was organized by SZABIST Social Sciences Society on November 25, 2017.



- Members of SZABIST Performing Arts Society auditioned their version of the National Anthem at the 14th Convocation held at PAF Convention Center on December 9, 2017.



e. Technical (Science, Technology, Engineering & Entrepreneurship)

- SZABIST Karachi ACM Chapter held a Java Helping Session on October 4, 2017.



- A workshop on Fundamentals of Programming was organized by SZABIST Karachi ACM Chapter on October 11, 2017.



- SZABIST Entrepreneurial Society organized their first event on Entrepreneurship Models on November 2, 2017.



- A seminar on Cyber Security & Career Counselling was organized by SZABIST Karachi ACM Chapter on November 6, 2017.



Students' Activities and Educational Achievements - Karachi Campus



- Workshop on Adobe Photoshop was conducted by SZABIST Entrepreneurial Society on November 11, 2017.



- An event on Social Entrepreneurship was organized by SZABIST Entrepreneurial Society on November 17, 2017.



- A session on Entrepreneurship Pakistan was organized by SZABIST Entrepreneurial Society on November 13, 2017 at the campus.

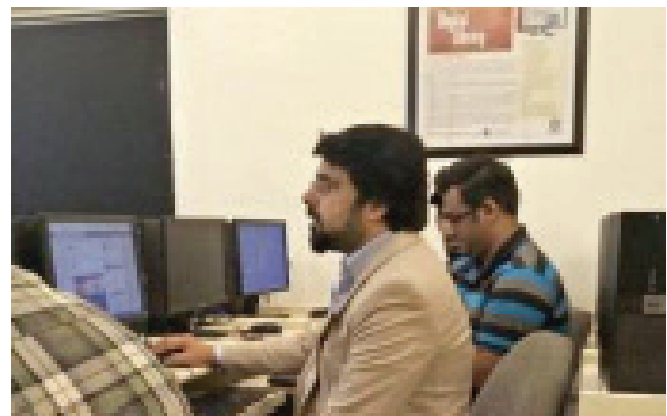


- Workshop on CV building was organized by SZABIST Entrepreneurial Society on November 18, 2017.



Students' Activities and Educational Achievements - Karachi Campus

- American Society of Mechanical Engineers organized a workshop on Multisim on November 18, 2017.



- SZABIST Entrepreneurial Society organized a workshop on Digital Marketing on November 19, 2017.



- A workshop on Object Oriented Programming and Data Structure was organized by American Society of Mechanical Engineers (ASME) on November 30, 2017.



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 2017-2018, students organized various events and trips. The details of the student activities are given below:

- Students participated in Coke Studio Sound of the Nation Live Screening Season 10 on September 15, 2017.



- An Alumni dinner was hosted for the classes of Management Sciences and employers from the industry on September 27, 2017.



- A blood donation camp was organized by Pakistan Red Crescent on October 4, 2017.



Students' Activities and Educational Achievements - Islamabad Campus

- SZABIST Student Council organized a Societies Fair which served as recruitment drive for Fall 2017 session on October 5, 2017.



- BS Media Students went to an Excursion Trip to Thandiani, KPK on November 7, 2017.



- ZAB Olympiad Sports Competitions were organized by SZABIST Sports Society at campus on October 30, 2017.



- SZABIST Computer Science students organized a Trip to Mangla Dam & Wapda Power Station on November 11, 2017.



Students' Activities and Educational Achievements - Islamabad Campus



- SZABIST Social Sciences Society in collaboration with Chughtai Labs organized a session on Women Health Awareness on November 13, 2017.



- BBA-1 students organized ZAB Poster Competition on November 20, 2017. The theme of the posters was drug abuse, child labor, women empowerment, harassment and environment.



- Business Management students organized ZAB Extravaganza Fall 2017 on November 14, 2017.



Students' Activities and Educational Achievements - Islamabad Campus

- Department of Management Sciences organized Experiential Learning Trip to Nathiagali for Services Marketing/Project Management students on November 21, 2017.



- An Educational trip to SOS village was organized for the Business Ethics students on November 21, 2017.



- The 1st Inter-University Computer Hardware Projects Exhibition and Competition COMHEC 2017 was organized on November 25, 2017.



- SZABIST Student Council, Curtains Society and Music Society organized a Welcome & Farewell Ceremony for Freshmen 2017 and Graduating Batch on December 7, 2017.

Students' Activities and Educational Achievements - Islamabad Campus



- Management Sciences Department organized Advertising Project Display on December 21, 2017 for MBA students to showcase their advertising projects.



- SZABIST Islamabad successfully organized Pakistan's first ever Crisis Conference, ZABMUN'18, on February 23, 2018.



- SZABIST Curtains Society arranged Bonfire and Open Mic Night on March 8, 2018.



Students' Activities and Educational Achievements - Islamabad Campus

- Department of Computer Science organized a one-day recreational Trip to Mushkpuri Top for the students of BSCS, BSSE & MSCS on March 24, 2018.



- SZABIST Sports Fiesta 2018 was arranged on March 26, 2018.



- ZAB Entrepreneurship Week was arranged from April 23-27, 2018. It was inaugurated by the Honourable President of Islamabad Chamber of Commerce (ICCI), Mr. Sheikh Amir Waheed, accompanied by Mr. Majid Shabbir, Secretary General (ICCI).



Students' Activities and Educational Achievements - Larkana Campus

- Management Sciences Department organized an educational trip to SUCH TV Headquarters in Spring 2018.



- An exhibition titled Fun Mania was organized by the BBA-IV students on April 26, 2018. The purpose of the activity was to make students learn about Retail Merchandising practice.



III. Students' Activities and Educational Achievements-Larkana Campus

SZABIST Larkana Campus motivates students to participate in student activities and competitions that lead to their professional development. During 2017-2018, students organized various events and trips. The details of the student activities are given below:

- A workshop on Entrepreneurship was organized on May 2, 2018. The trainer Mr. Imran, Head of Incubation Center, IBA Karachi conducted the session.



- A Short Essay Competition was held on April 26, 2018 to promote competitive culture at SZABIST Larkana.

Students' Activities and Educational Achievements - Larkana Campus



- One-day workshop titled Achieve More with Less was organized on April 15, 2018



- An online seminar on USA Fulbright Scholarship was organized by SZABIST Management on March 14, 2018.
- Workshop on Advance Excel Techniques for Managers was conducted on May 11-12, 2018.
- One-day workshop on How to Start New Business was arranged on March 11, 2018. The trainer was Mr. Friedrich Christian Bohmler from Munich, Germany.

Students' Activities and Educational Achievements - Larkana Campus



- SZABIST Larkana students participated in a competition called Neuro Warfare'17 which was held in Sukkur IBA on November 27-28, 2017. They took part in 3 main competitions (Case Study, Bloomberg Financial Software, and Advertisement). The Bloomberg Financial Software team won the 3rd Prize.



- Students of BS, BBA and MBA organized Mehfil-e-Saqafat on November 25, 2017 to celebrate the colors of Sindhi traditions and pay tribute to the local culture.



- BSCS-IV students carried out an activity called Poster Evaluation on Personal Digital Assistant (PDA) on November 23, 2017 where students surveyed about the reasons of discontinuity of PDA



- A seminar on Entrepreneurial Mind Set and Creativity was organized on September 22, 2017.

Students' Activities and Educational Achievements - Hyderabad Campus



- The EDC Department in collaboration with SZABIST Student Council arranged a seminar on Pakistan Air Force Career Counseling Seminar on September 19, 2017.



- BBA II students along with Marketing Department organized one-day activity called SMILE with SZABIST on August 5, 2017 where meal boxes were distributed among 100 children.



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 2017-2018, students organized various events and trips. The details of the student activities are given below:

- SZABIST organized an interactive session on UGRAD Scholarship on September 27, 2017. The session was delivered by UGRAD awarded students.

Students' Activities and Educational Achievements - Hyderabad Campus



- SSC Elections were held on October 12, 2017.



- IEEE SZABIST Hyderabad Student Branch organized INNOFEST'17 Poster Paper Competition on November 17, 2017. 22 students presented 14 posters on different ideas.



- Women Summit 2017 was organized on November 22, 2017 for students supported by Australian High Commission. The Chief Guest was Ms. Margaret Adamson Australian High Commissioner.



- As a part of Learn Fest IV Outdoor, various sports games were played at the Hyderabad Club on December 2-3, 2017. The games included cricket, soccer, volleyball, throw ball, badminton, tug-of-war and racing.



Students' Activities and Educational Achievements - Hyderabad Campus



- As a part of their course project, BBA-5B students conducted Children Awareness Program in three schools of Hyderabad on February 27, 2018.



- SZABIST Finance Society arranged a five-day Virtual Stock Trading competition for students from February 26 to March 2, 2018.



- SZABIST Student Council arranged an Excursion Trip to Sand Sensational to Cape Moonze for the students on April 22, 2018.

Students' Activities and Educational Achievements - Dubai Campus



- As a part of class project, BBA-2C students renovated and decorated Dar-ul-Atfal (orphan house) on April 19, 2018.



- SZABIST students planted more than 500 Plants in SITE area of Hyderabad under the title of Green Hyderabad on April 28, 2018.



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 2017-2018, students organized various events and trips. The details of the student activities are given below:

- SZABIST Dubai and Real Expeditions joined hands to form SZABIST Dubai Football Team on October 19, 2017.



Students' Activities and Educational Achievements - Dubai Campus

- Two teams from SZABIST Dubai participated in the 3rd Annual SHRM MENA Student Case Competition on November 7, 2017 at the Informa HR Summit and Expo, Dubai. One of the teams was awarded the Runner-Up Trophy in the Master's category.

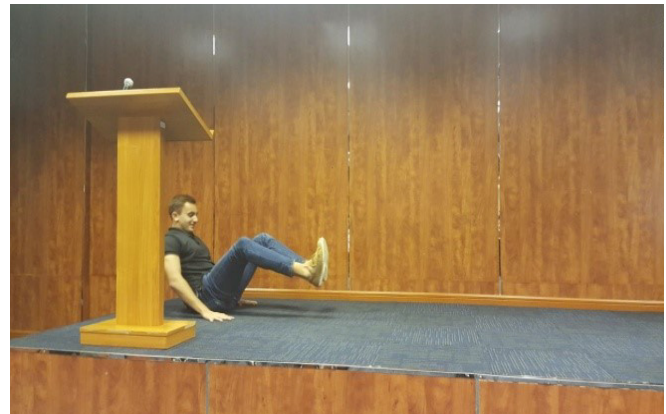


- SZABIST Dubai Football team were runners up in Dubai Youth Cup 2018 organized by AMITY Dubai on April 27, 2018.



Students' Activities and Educational Achievements - Dubai Campus

- Student Placement Cell in coordination with InternsME, organized a workshop on Career Guidance on October 9, 2017. The workshop was conducted by Ms. Tooba Dilshad, Content Marketer and Community Manager at InternsME.



- Students attended a workshop on Artificial Intelligence, Deep Learning and Big Data by Innosoft Gulf FZ-LLC from March 15-29, 2018.



- IEEE SZABIST Dubai Chapter organized a Skill Development Workshop on Adobe Photoshop on March 18, 2018.

- An Acting Workshop was organized for students of Media Department on October 11, 2017. Students performed various acting exercises which included pushing, lifting, fear, happiness and sadness. It helped students understand acting through body, voice and imagination.



Students' Activities and Educational Achievements - Dubai Campus



- Pakistan Association Dubai in line with Year of Zayed 2018 organized a seminar titled Own an Hour for the youth of Pakistan on March 12, 2018 at SZABIST Dubai.



- SZABIST Dubai celebrated the Pakistan Independence Day on August 14, 2017.



- SZABIST students visited five media centers located in Dubai Production City on October 1, 2017. It is a hub offering media enthusiasts, freelancers, entrepreneurs and start-ups an opportunity to work collectively on media-related endeavors and participate in elevating the status of the media entrepreneurial community.



- IEEE SZABIST Dubai organized a one-day event on October 22, 2017 to promote and raise awareness about the role of student chapter. The students carried out different competitions and activities including Tech Quiz, Typography and Tech Hunt.

Students' Activities and Educational Achievements - Dubai Campus



- SZABIST students visited WETEX the world Green Economy Summit on October 25, 2017.



- Media Science students visited Dubai Design District (D3) on November 14, 2017.



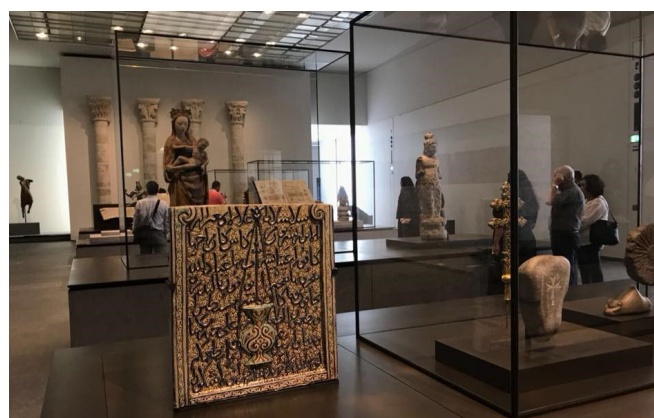
- IEEE Certificate Distribution was held on November 19, 2017 at SZABIST Dubai Campus.

Students' Activities and Educational Achievements - Dubai Campus



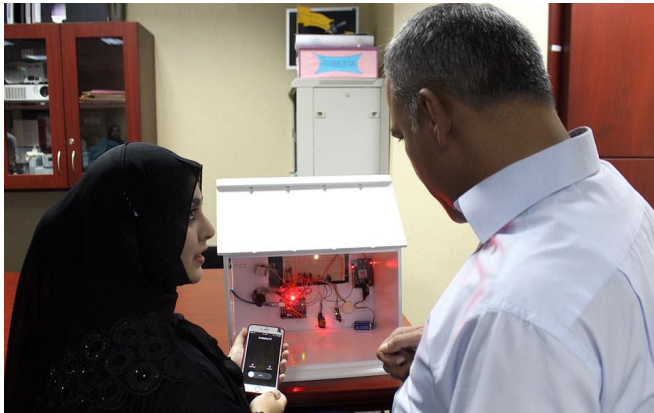
- The ZAB Fiesta was held on November 25, 2017 at SZABIST Dubai campus.

- Media Science Students visited Louvre Museum, Abu Dhabi on March 20, 2018.



Students' Activities and Educational Achievements - Dubai Campus

- The Display of CS projects was done by the current and recent graduates on March 4, 2018.



- Media Science students visited Mleiha Archaeological Centre on April 19, 2018.



- IEEE SZABIST Dubai Chapter organized SPEEDSTER 2018 on April 3, 2018. The event comprised of Poster Design Competition and Speed Programming.



- Media Students visited Junction Theatre to see a play called Just Like That on April 26, 2018. Afterwards, a special session on on-stage acting was given by the entire cast of the play.

Students' Activities and Educational Achievements - Dubai Campus



- Management Science department organized Diversity Day on May 1, 2018 in order to celebrate cultures from around the world.

- Students of Media Science Department exhibited their art installations as part of their course, Media, Culture and Society, on May 2, 2018. The art work focused on the theme "Me, My Media and I".



Students' Activities and Educational Achievements - Dubai Campus



- SZABIST Dubai Football Team Certificate Distribution Ceremony was held on May 3, 2018.



- Media Science students organized a Music Concert as part of Art of Music course on May 14, 2018.



I External Relations and Financial Assistance

I. 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.

i. National and International Linkages and Collaborations

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 The Association to Advance Collegiate School of Business (AACSB), Singapore
- 4 Federation of the Universities of Islamic World (FUIW), Rabat
- 5 Asia University Federation (AUF), Seoul
- 6 Asia-Pacific Quality Network (APQN), People's Republic of China
- 7 Association of Quality Assurance Agencies of the Islamic World (AQAAIW), Malaysia
- 8 The Talloires Network, USA
- 9 The Chartered Institute of Logistics and Transport (CILT), UK
- 10 Management Association of Pakistan (MAP), Karachi
- 11 Marketing Association of Pakistan (MAP), Karachi
- 12 Human Resource Development Network (HRDN), Islamabad .

ii. Memorandums of Understanding (MoUs) with various bodies

Furthermore, SZABIST has signed MoUs, articulation and collaboration agreements with the following national and international universities/institutions.

- 1 Project Management Institute Karachi Pakistan Chapter
- 2 Planet N Group – 10xC and Feedience
- 3 ICRC Health Care in Danger
- 4 Pakistan International Film Festival (PIFF)
- 5 The Chartered Institute of Logistics and Transport (CILT), UK

- 6 Social, Entrepreneurship and Equity Development (SEED)
- 7 Sindh Judicial Academy
- 8 Momentum – IT Start-up Conference & Exhibition
- 9 Aman Health Care Services
- 10 Pak-China International Education System
- 11 ASER – Alliance Pakistan (AAP)
- 12 Renewal of PMI Islamabad Chapter
- 13 Career Pakistan
- 14 RCCI (Rawalpindi Chamber of Commerce and Industry)
- 15 HRDN (Human Resource Development Network)
- 16 SECP (Security and Exchange Commission of Pakistan)
- 17 ICCI (Islamabad Chamber of Commerce and Industry)
- 18 Epiphany
- 19 Pakistan Stock Exchange Limited

iii. MoU and Linkages established during 2017-2018

To set out new opportunities for SZABIST students and faculty, following MoU and linkages have been established.

1. ASER – Alliance Pakistan (AAP)

SZABIST and ASER Alliance Pakistan MoU signed a MOU on July 7, 2017. This is a technical-advocacy alliance for benchmarking, and assessment of data sets for research and development.

2. Pak-China International Education System

The MoU was signed on August 4, 2017 that aimed at offering Chinese Language courses to SZABIST undergraduate students.





3. Aman Health Care Services

SZABIST signed a MoU with Aman Health Care Service on September 25, 2017. With this collaboration, SZABIST students engaged in producing four short videos on various themes of family planning. An addendum was signed on September 19, 2018 to extend the MoU.

4. Aman Health Care Services

SZABIST signed a MoU with Aman Health Care Service on September 25, 2017. With this collaboration, SZABIST students engaged in producing four short videos on various themes of family planning. An addendum was signed on September 19, 2018 to extend the MoU.

5. Momentum – IT Startup Conference & Exhibition

SZABIST and Momentum collaborated on November 22, 2017 to develop a favorable eco-system for start-ups in Pakistan.



6. Sindh Judicial Academy

SZABIST and Momentum collaborated on November 22, 2017 to develop a favorable eco-system for start-ups in Pakistan.

7. Social, Entrepreneurship and Equity Development (SEED)

The partnership, established on January 5, 2018, is aimed at overcoming societal tests by using entrepreneurship as an instrument to create a positive social impact. Primarily, Student Leadership Workshops and Inter University Competitions will be the prominent initiatives undertaken to bring about social impact



8. The Chartered Institute of Logistics and Transport (CILT), UK

SZABIST signed a MoA with CILT on February 28, 2018 for introducing certification in logistics and transport. To attain this certification, a total of three mandatory courses will have to be completed.

9. Pakistan International Film Festival (PIFF)

PIFF works on making short documentaries, shorts and screen features. The MoU was signed on March 1, 2018 to support, promote and facilitate the event of PFF mobile screenings.

10. ICRC Health Care in Danger

The MoU was signed on April 3, 2018 with ICRC's Health Care in Danger (HCiD) Project for development and promotion of legal measures for respect and right of way for ambulances in Sindh.

11. Planet N Group – 10xC and Feedience

SZABIST in collaboration with Planet N Group has signed a MoU with 10xC and Feedience Pvt. Limited on April 5, 2018 for promoting entrepreneurship activities and deploying funding and incubation opportunities for innovative products and software. On the other hand, alliance with Feedience for media content generation will incentivize students in generating ideas for media houses.

12. Project Management Institute Karachi Pakistan Chapter

An agreement was signed on May 31, 2018 to create a mutually beneficial partnership to promote project management awareness in the community, and to initiate and enhance collaboration between academia and industry to nourish young professionals as well as create and implement best project management practices.

II. Financial Assistance

Each year SZABIST facilitates its students and employees by providing financial assistance, in the form of various scholarships and fee concession.

i. Financial Assistance Provided by SZABIST

Scholarships are funded by means of the institute's funds, these include the SZABIST Need-Based, SZABIST Merit-Based, and SZABIST Board of Trustees (BoTs) scholarships. For these scholarships, the Management and

BoTs have identified objective criteria on the basis of which financial aid is provided to the deserving students. In case of the Need-Based scholarships, the criteria are that the annual family income should be lower than PKR 900,000, and the student should have a minimum CGPA of 2.0 for new cases and minimum CGPA of 2.5 for renewal cases. The Merit-Based scholarships are awarded to students with the highest GPA in each section.

Fee concession is provided to all students, irrespective of their financial status, in a number of academic programs. This is aimed to reduce the cost of education for students in general and increase enrollment in those specific programs.

As an employer, SZABIST provides its employees the benefit of free education by waiving the tuition fee. Another form of financial assistance that SZABIST started providing to its employees in 2011 is a 50% tuition fee concession for the children of its employees.

annual family income should be less than or equal to PKR 600,000 with minimum GPA of 2.00.

ii. 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, Baluchistan Endowment Fund, National ICT R&D Fund, National Testing Services, and Ihsan Trust. In order to meet the specific criteria stipulated by each agency, candidates are thoroughly evaluated through in-depth interviews.

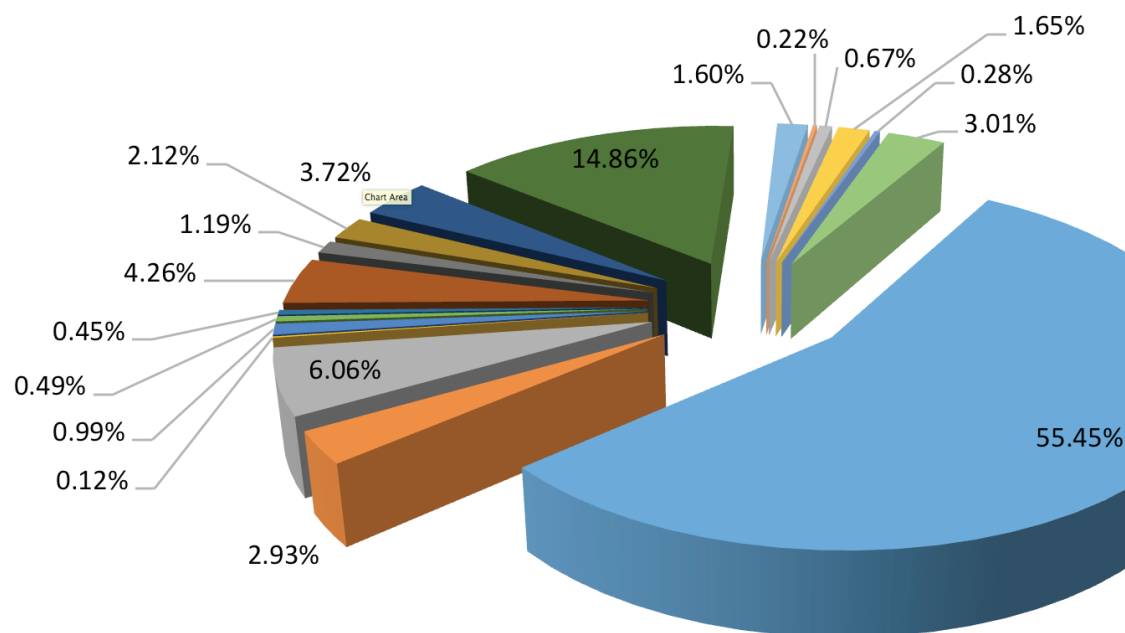
For USAID funded scholarship, eligibility criteria for application are that the student should acquire admission in SZABIST, and his/her monthly family income should be less than or equal to PKR 45,000.

The Sindh Endowment Fund requires candidates to have a Sindh domicile, and an annual family income of less than PKR 1,200,000, whereas the Baluchistan Endowment Fund requires a candidate to have a Baluchistan domicile, and 60% marks in intermediate. In the case of National ICT R&D Fund, the registration eligibility criteria entails that the applicant must have passed F.Sc. examination with mathematics and physics as a regular student from a school/college registered with NICT R&D Fund, and have acquired 60% or above marks in matriculation (science group) exam. MS/PhD students can apply for NTS Need-Based Scholarship program if they are a full time student, have a qualifying score in GAT general/subject, CGPA above 2.5 and monthly family income equal or less than PKR. 75,000. The requirement of applying for Ihsan Trust Qarz-e-Hasna Interest-Free Loan facility, applicant's

Following statistics indicate the scholarships and fee concessions provided in 2017-2018.

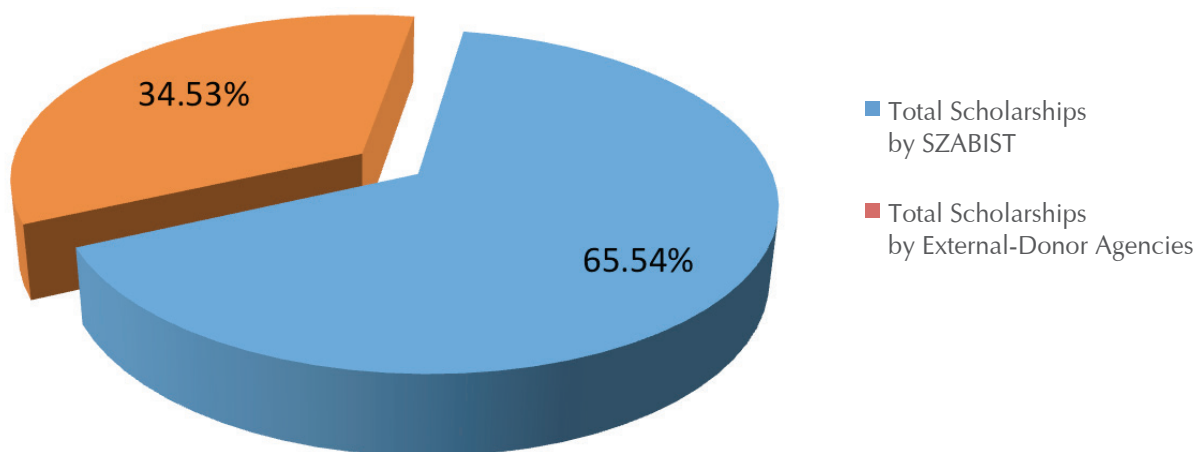
Table 2.16: SZABIST All Campuses-Financial Assistance 2017-2018			
S.No.	Financial Aid and Assistance	No. of students	Amount (Rs. in millions)
A.	SZABIST Funded Scholarships		
1	General (10, 25 and 50 percent)	4,710	76.52
2	Need-Based	77	4.04
3	Merit-Based	114	8.36
4	Employee Children Fee Concession	2	0.16
	Employee Continuing Education Program	24	1.37
	Total Scholarships by SZABIST	4,927	90.45
B	External Donor Agencies		
1	Pak-USAID Merit and Need-Based Scholarships Program-Phase-II Batch Fall 2014	4	0.67
2	Pak-USAID Merit and Need-Based Scholarships Program-Phase-I Batch Spring 2015	4	0.62
3	Pak-USAID Merit and Need-Based Scholarships Program-Phase-II Batch Fall 2015	17	5.88
4	Pak-USAID Merit and Need-Based Scholarships Program-Phase-II Batch Spring 2016	6	1.64
5	Pak-USAID Merit and Need-Based Scholarships Program-Phase-II Batch Fall 2016	10	2.93
6	Pak-USAID Merit and Need-Based Scholarships Program-Phase-II Batch Fall 2017	15	5.14
7	Sindh Endowment Fund Scholarships 2015-16	150	20.51
8	Chief Minister's Merit and Need-Based Scholarship 2017-18	10	2.21
9	Balochistan Endowment Fund Scholarship 2016	19	Awaiting Receipt
10	HEC-Indigenous PhD 5000 Fellowship Program (Islamabad)	2	0.30
11	HEC-Indigenous PhD 5000 Fellowship Program (Karachi)	3	0.92
12	Prime Minister's National ICT R&D Fund Scholarship Program	4	Control documents send for release of fifth installment of scholarship funds
13	National Grassroots ICT Research Initiative (NGIRI) Project 2017-18	13	Awaiting Receipt
14	NTS Need-Based Scholarship Program Phase I & II- Karachi and Islamabad	13	Awaiting Receipt
15	Minority Scholarships	4	Awaiting Receipt
16	Khairpur Poverty Cum-Merit Scholarship 2017-18	14	Awaiting Receipt
17	Ihsan Trust Interest-free Loan Facility	51	2.28
18	HEC Travel Grant (Islamabad)	2	0.38
19	HEC Travel / Research Grant /Seminar & Conference (Karachi)	10	4.16
	Total Scholarships by External-Donor Agencies	351	47.65
	Total (SZABIST + External Donor Agencies)	5,278	138.01

Figure 2.2: All Campuses - Financial Assistance 2017-18



- General (10, 25 and 50 percent)
- Need-Based
- Merit-Based
- Employee Children Fee Concession
- Employee Continuing Education Program
- Pak-USAID Merit and Need-Based Scholarships Program – Phase II - Batch Fall 2014
- Pak-USAID Merit and Need-Based Scholarships Program – Phase II - Batch Spring 2015
- Pak-USAID Merit and Need-Based Scholarships Program – Phase II - Batch Fall 2015
- Pak-USAID Merit and Need-Based Scholarships Program – Phase II - Batch Spring 2016
- Pak-USAID Merit and Need-Based Scholarships Program – Phase II - Batch Fall 2016
- Pak-USAID Merit and Need-Based Scholarships Program – Phase II - Batch Fall 2017
- Sindh Endowment Fund Scholarships 2015-16
- Chief Minister's Merit and Need-Based Scholarship 2017-18
- HEC-Indigenous PhD 5000 Fellowship Program (Islamabad)
- HEC-Indigenous PhD 5000 Fellowship Program (Karachi)
- Ihsan Trust Interest-free Loan Facility
- HEC Travel Grant (Islamabad)
- HEC Travel / Research Grant /Seminar & Conference (Karachi)

Figure 2.3: All Campuses-Financial Assistance 2017-2018 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.

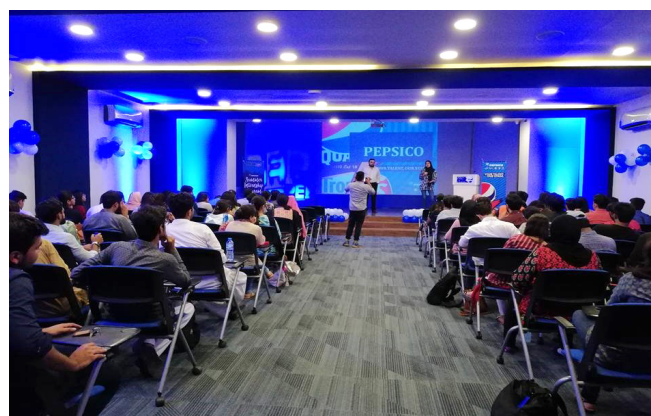
During the period 2017-2018, EDC has performed the following activities.

Table 2.17: SZABIST Karachi Campus- EDC Activities Summary 2017-2018

Events and Activities	Number
Corporate Interaction and Networking Visits	1,254
On Campus Corporate Events	41
Jobs and Internships Posted	3,875
Total Placements Facilitated	774
Mock Interviews Conducted	35
Career Fair Participation (Companies)	70
Career Fair Participation (Students)	1,603
Trainings and Workshops Conducted	9
Alumni database (Till Dec 2017)	10,321
Graduate Directories Distributed	189

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, Employer Branding Sessions/Talent Drive and HR Networking Meetup along with offering comprehensive career counseling and advice.





During 2017-2018, Career Fair 2018 was organized at SZABIST 100 campus from February 14-16, 2018. Career fair is an annual event that provides students and alumni to connect with employers for on-the-spot employment and internship opportunities.

Manager EDC engages with prospective employers showcasing the various academic programs offered at SZABIST and briefing them on how EDC can help fulfill their resource requirements. The SZABIST Graduate Directory is distributed to all reputed employers. Soft copy of the directory 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.

The illustrations representing the internships and employment opportunities by programs are given below.

Figure 2.4: SZABIST Karachi Campus- Program Wise Internship Placement 2017-2018

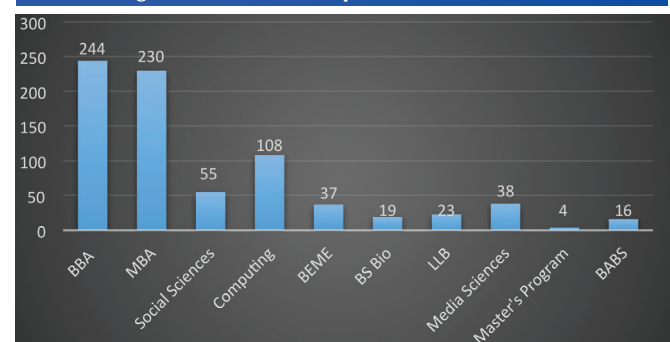
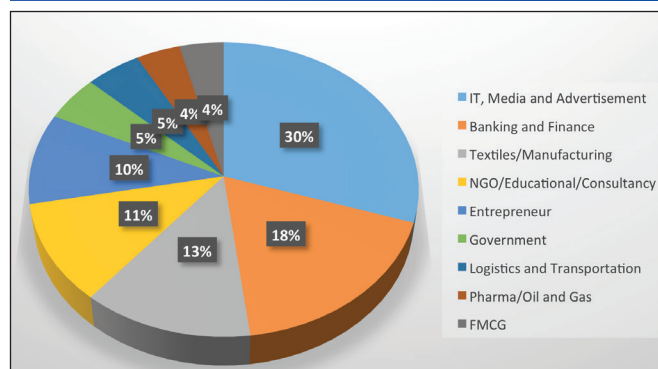


Figure 2.5: SZABIST Karachi Campus- Sector Wise Job Placement 2016-2017



II. Alumni Engagement

SZABIST alumni are invited to participate in various EDC activities and events such as Ambassador Shows on ZAB FM 106.6, Motivational Workshops, Corporate Advisory Body and Career-Related Seminars, and Mock Interviews. In addition, Alumni share their success stories in the section, Alumni in Focus, on SZABIST website. Also, SZABIST recognizes its alumni by presenting them Alumni Awards for their national/international achievements.

Moreover, to maintain and strengthen relationship with our Alumni, EDC hosted the Annual Alumni Reunion on September 5, 2018 at Art Council Karachi. The highlight of Alumni Reunion 2018 was theater show followed by dinner. Further, Alumni Survey is also conducted to elicit their feedback regarding market requirement.

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

III. Future Plans

- Alumni Portal: EDC is working on creating a separate portal to maintain the Alumni Database. The alumni will also have access to update their information through this portal.
- SZABIST Alumni Global Association (SAGA): SAGA has been successfully registered and following facilities are being added for the Alumni Card Holders: Access to SZABIST library, Computer labs, and 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. Research conferences are held at SZABIST Karachi Campus biannually. 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 1 (January-June 2018) and Volume 15, Number 2 (July-December 2017) and JISR-C Volume 15, Number 2 (July 2017) were published during the year 2017-2018.

In addition, SZABIST Karachi Campus, with the support of Management Sciences Faculty, hosted the 2nd National Research Conference on Management and Business (NRCMB) on "Building Bridges between Industry and Academia" from November 24-25, 2017.

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.





ANNEXURE

Knowledge Creation and its Dissemination



Knowledge Creation and its Dissemination-Karachi Campus

i. Journal Publications

Authors	Title	Published in
Dr. Ahmad Hussain Mr. Syed Murtuza Mehdi, Mr. Amjad Ali Mr. Muhammad Adeel Mr. Mohammed Hassan Jabal Mr. Farid Nasir Ani	Investigation of Tribological Characteristics of Castor Oil with Mineral Oil Blends	Journal of Engineering and Applied Sciences (JEAS), Volume 37, Number 1, October 23, 2018
Dr. Ahmad Hussain Mr. Farhad Ali Ms. Yasmin Nergis Mr. Mughal Sharif Ms. Sadaf Faryal Shah Ms. Absar Ahmed Khan	Impact of Eutrophication on Shallow Marine Water near Karachi Coast, Pakistan	Proceedings of the Pakistan Academy of Sciences, October 4, 2018
Dr. Ahmad Hussain Mr. Maaz Akhtar Mr. Sayyad Zahid Qamar Mr. Syed Murtuza Mehdi	Diffusion-based Swelling in Elastomers under Low and High-Salinity Brine	Journal of Elastomers & Plastics, September 9, 2018
Dr. Syed Irshad Hussain	Estimated Export Demand and Supply Functions for Pakistan: A Disaggregated Analysis	Pakistan Business Review, Volume 20, Number 2, July 2018
Dr. Ahmad Hussain Mr. Murtuza Mehdi Mr. Maaz Akhtar Mr. Farid Nasir Ani Mr. Iqbal Ahmed	Combustion Performance of Diesel Palm Olein Fuel: A Combined CFD and Experimental Approach,	Arabian Journal for Science and Engineering, Volume 43, Number 3, 2018
Dr. Najmunnisa	Organizational Factors, Teachers' Professional Development and Teaching Practices: Findings from Female Elementary School Teachers	International Journal of Experiential Learning & Case Studies, Volume 3, Number 1, 2018
Dr. Syed Irshad Hussain	The role of domestic demand in the development of export supply from Pakistan: An ARDL Approach	Pakistan Journal of Applied Economics, 2018
Ms. Humera Rafique	Energy Management in Network Systems	Comprehensive Energy Systems, Volume. 5, Oxford: Elsevier, 2018
Mr. S. M. K. Zaidi Mr. F. Junejo Mr. S. B. Mujtaba	Computer Aided Design of a Low-Cost Painting Robot	Mehran University Research Journal of Engineering & Technology, Volume 36, Number 4, October 2017
Dr. Mehak Ejaz	Are Some Groups More Vulnerable to Business Cycle Shocks than Others? A Regional Analysis of Pakistan's Labor Market	The Lahore Journal of Economics 22, Special Edition, September 2017

Knowledge Creation and its Dissemination-Karachi Campus

Authors	Title	Published in
Dr. Riaz A. Shaikh	Tebhaga Movement	Quarterly Tareekh, Volume 57, July 2017
Dr. Ghazala Rehman	What are the Conditions Necessary for the Appropriate Dissemination and Improvement of the Sindhi Language?	Kalachi, Volume 20: Issue 1, June 2017
Dr. Ahmad Hussain, Mr. M. Ihsan Ul Haq Ms. Farzana Yasmeen Mr. Shafiq R. Qureshi	Life Cycle Costing and Payback Period Evaluation of a Solar Thermal Desalination System	Journal of Engineering and Applied Sciences, Volume 36, Number 1, January-June 2017
Dr. Ahmad Hussain Mr. Murtuza Mehdi Mr. Maaz Akhtar Mr. Muhammad Nauman Mr. Dheya Shuja Alothmany Mr. Iqbal Ahmed Mr. Kyung-Hyun Choi	Dip Coated Stretchable and Bendable PEDOTPSS Films on Low Modulus Micro-Bumpy PDMS Substrate	Journal of Polymer Engineering, 2017
Dr. Ahmad Hussain Ms. Yasmin Nergis Mr. Mughal Sharif Mr. Jawad A Butt Ms. Yusra Tahir	Reed Bed Technology and Recharging on Groundwater: Mitigating the Climate Effect of Coastal Areas.	Journal of Earth Science & Climatic Change, Volume 8, Number 7, 2017
Dr. Najmunnisa	The Role of Cooperative Learning Method in Teaching of Science Subject at Elementary School Level: An Experimental Study	Bulletin of Education and Research, Volume 39, Number 2, 2017
Dr. Mehak Ejaz	Measuring Market-Induced Vulnerability among Low Income Earners in Pakistan	Forman Journal of Economic Studies, Special Edition, 2017
Mr. Muhammad Asim Ali Mr. Zain Ahmed Siddiqui	Automatic Music Genres Classification using Machine Learning	International Journal of Advanced Computer Science and Applications (IJACSA), Volume 8 Number 8, 2017
Mr. Adeel Ahmed Mr. Syed Saif ur Rahman	DBpedia based Ontological Concepts Driven Information Extraction from Unstructured Text	International Journal of Advanced Computer Science and Applications (IJACSA), Volume 8 Number 9, 2017

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ii. Conference Proceedings/Book Chapters

Authors	Title	Published in
Ms. Tanzila Younas Mr. M. Taha Mr. F. Ehtasham	Biogas Generation using Kitchen Waste	3 rd International Conference on Advances on Clean Energy Research (ICACER 2018), Spain, April 6 – 8, 2018
Ms. Hira Anwar	A Study of a Flipped Classroom Experiment in an English Language Communication Course	4 th International Cukurova University CULET, April 5-7, 2018
Mr. Atif Saeed Dr. Imran Amin Mr. Farhan Mumtaz	Energy Management using wireless technologies: A comprehensive study	9 th IEEE International Renewable Energy Congress (IREC 2018), Tunisia, 20–22 March 2018.
Mr. M. Atif	Merry-go-round as a self-sustainable ride	9 th IEEE International Renewable Energy Congress (IREC 2018), Tunisia, 20–22 March 2018.
Mr. Faraz Junejo Mr. M. Atif Mr. Sarmad Hameed	Ocean Energy Management	Comprehensive Energy Systems, 1 st Edition, Elsevier, February 2018.
Dr. Imran Amin Mr. M. Atif	Wireless Technologies in Energy Management	Comprehensive energy systems, 1 st Edition, Elsevier, February 2018.
Mr. S. Hameed Mr. M. Hassan	Autonomous Human Following Robot - Chaser Bot	15 th International Bhurban Conference on Applied Sciences and Technology (IBCAST), January 9-13, 2018.
Mr. M. Atif Mr. A. Ahmed	Design of a small, cheap UUV for underwater exploration	15 th International Bhurban Conference on Applied Sciences and Technology (IBCAST), January 9-13, 2018.
Dr. Najmunnisa	Impact of Technology Based Teaching on Students` Learning Motivation: An Experimental Study	3 rd International Conference on Experiential Learning (ICEL), 2018
Dr. Najmunnisa	Teachers` Perceptions, Understanding and Practices about Professional Standards: A Perceptual Study	3 rd NACTE National Conference, Quetta, 2018
Dr. Mehak Ejaz	Inclusive Growth Framework for Pakistan	33 rd Annual General Meeting & Conference of PSDE, Islamabad, December 12-14, 2017
Ms. Hira Anwar	Case Study of a Blended Learning Course offered at a Private-Sector University in Collaboration with an INGO	1 st National Conference on Contemporary Trends in English Language and Literature, AIOU Islamabad, October 13-14, 2017.
Ms. Sadiya Durrani	Using Reflection as a Tool for Assessment: A Case Study of a Private Sector University	AKU Examination Board Principals' Conference, \ October 11, 2017

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Participants	Title	Date
Mr. Farhanuddin Raja	Comparing Traditional and Experiential Teaching Methods using Experimental Research	International Conference on Experiential Learning 2017, Karachi, October 2017
Ms. Tanzila Younas	Non-Conventional Machining Processes as Expedient Alternatives for Conventional Machining Processes	3 rd International Conference on Engineering Technologies and Social Sciences, Thailand, August 7-8, 2017
Mr. M. Atif Mr. I. Mansoor	Comparative Study of Different Subsector in order to increase the Efficiency of Metal Melting Furnace	International Conference on Engineering Technologies and Social Sciences (ICETSS), Thailand, August, 2017
Mr. A. Hayat Mr. A. Hayat Mr. M. Atif	Sustainable Playgrounds	International Conference on Engineering Technologies and Social Sciences (ICETSS), Thailand, August, 2017
Dr. Riaz A. Shaikh	People's Movement in Pakistan	Tareekh, Volume 57, July 2017
Dr. Najmunnisa	Impact of Emotional Intelligence on Teachers' Burnout: A Case of Higher Education Institutes	5 th International Conference on Research in Education (ICORE), University of Punjab, 2017
Dr. Najmunnisa	Factors Affecting the Perceived Academic Performance of MS & PhD Students of Private Institutes of Karachi	International Conference on Innovation and Emerging Trends in Education and Social Sciences (ICIETESS), Iqra University and University of Karachi, 2017

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

Participants	Title	Date
Dr. Riaz A. Shaikh	Book Launch of Dr. Ishrat Hussain, Governing the Ungovernable	May 11, 2018
Dr. Riaz A. Shaikh	Human Rights and Labour Rights: Towards an Enabling Environment for Compliance	May 8, 2018
Dr. Syed Irshad Hussain	Executive Learning Program Islamic Finance for Academicians (IFA)	May 5-8, 2018
Ms. Saba Nadeem	Seminar on World Press Freedom Day	May 3, 2018
Ms. Saba Nadeem	Protecting and Promoting Reproductive Rights in Pakistan	April 23, 2018
Dr. Riaz A. Shaikh	Revisiting Past And Recent Religious and Political Movements in Punjab	April 21, 2018
Dr. Riaz A. Shaikh	Shrinking Space for Democracy and Freedom of Media in Pakistan	April 13, 2018
Dr. Naheed P. Malbari	In Memory of Dr. Saba Mahmood: Habib University Honors A Great Pakistani Scholar	April 10, 2018
Dr. Erum	Saving Generations From Drugs	April 5, 2018
Mr. M. Atif	ANSYS elemental analysis, UET Lahore	April, 2018
Dr. Erum Ms. Shazia Salam Ms. Saba Nadeem	Sindh Development Forum	March 28, 2018
Dr. Naheed P. Malbari	Karachi Seminar: Critical Perspectives On Art And Education	March 24, 2018
Dr. Naheed P. Malbari	The Importance of a Broad Education	February 20, 2018
Dr. Faraz Junejo	PEC's 1 st Deans Conference on Outcome Based Education (OBE) System, Islamabad	February 6 -7, 2018
Dr. Erum	A Progressive Consensus? Building a Popular Political Movement on the Left	February 2, 2018
Ms. Saba Nadeem Ms. Hira Anwar Mr. Syed Farhanuddin Raja Ms. Tahira Adeel Ms. Shazia Salam	Outcome Based Education	January 23, 2018
Mr. Moez ul Hassan	Curriculum Based Workshop on Mechatronics, College of E&ME NUST, Rawalpindi	October 18- 20, 2017

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Participants	Title	Date
Ms. Shazia Salam	Session by Ambassador Designate H.E. Rolf Holmboe (Denmark)	October 9, 2017
Mr. S. M. Ali Shah	Young Voices: Pakistan at 70, PIIA	August 19, 2017
Dr. Riaz A. Shaikh	Reforms in Educational Curriculum, SDPI and NCJP, Islamabad	July 31 – August 1, 2017
Dr. Riaz A. Shaikh	Book Review Meeting, Sindh Text Board Camp Office, Karachi	July 2017
Dr. Mehak Ejaz	Conference, Lahore School of Economics	March 29-30, 2017
Dr. Mehak Ejaz	Conference, FC College, Lahore	May 9, 2017

iv. Conferences Organized

Title	Organized by	Date
2 nd National Research Conference on Management and Business NRCMB “Building Bridges between Industry and Academia”	Faculty of Management Sciences Department, SZABIST 90	November 24-25, 2017

v. Sindh Abhyas Academy Seminar Series and Conferences Organized

Seminars/Conference	Speakers	Date
Literature of Sindh: A review of Sindh's folk, classical, and modern literature	Dr. Fahmida Hussain	May 8, 2018
Sindh's Irrigation system, and Sindh's Socioeconomic Profile	Mr. Idrees Rajput Mr. Shuhab Osto	April 3, 2018
Overview of History of Sindh, and New Discoveries from Fresh Excavation in Banbhore	Dr. Valeria Piacentini Fiorani	February 20, 2018
Legend Never Dies - Life and Works of Saen Muhammad Ibrahim Joyo	Dr. Suleman Shaikh, Dr. Fahmida Hussain, Mr. Taj Joyo, Mr. Muzafar Joyo , Mr. Jami Chandio, Mr. Aijaz Qureshi, Dr. Amjad Siraj, Mr. Mohsin Joyo , Mr. Sarang Joyo, Ms. Khushbakht Memon, Mr. Khaliq Hussain Memon and Mr. Ranwal Bhutto	November 15, 2017

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vi. Guest Speaker Sessions

Topic	Speakers	Date
Banking Products, Market Size and Efficiency	Mufti Syed Zahid Siraj Mr. Mahid Fahim Ms. Rukhsana Narejo	May 12, 2018
CPEC and Emerging Economies	Dr. Kaiser Bangali Dr. Shahid Hasan Siddiqui Dr. Athar Ahmed	May 11, 2018
Fears and Failures – Islamic Perspective	Mr. Adeel Arfeen	May 10, 2018
State of Pakistan Economy – Hopes, Dreams & Realities	Dr. Kaiser Bangali Dr. Shahid Hasan Siddiqui Mr. Abdul Jabbar Memon Dr. Muhammad Aqil	May 9, 2018
Communication Skills	Dr. Almas Farhan	May 9, 2018
A US Funded Program for English Language Learning	Mr. Usman Hashmi	May 8, 2018
Constructing an Effective Curriculum Vitae	Mr. Shehryar Jafri	May 8, 2018
Acing a Job Interview	Mr. Navaid Ahmed Siddiqui	May 8, 2018
Financial Statement Analysis	Mr. Farrukh Rasheed	May 8, 2018
Application of Neuroscience in Business Research	Mr. Kamran Nisar	May 8, 2018
Power of Technology in Businesses Today	Mr. Ahmer Rasheed Mr. Jawwad Bhatti Mr. Taha Zafar Burney	May 6, 2018
Taqman Array Card Technology	Mr. Furqan Kabir	May 5, 2018
Education Policies in Pakistan: A Critical Analysis	Dr. Kaiser Bengali	May 4, 2018
Book Launch: The Politics of Common Sense: State, Society and Culture	Dr. Aasim Sajjad Akhtar	May 4, 2018
In what ways does Literature add value in any society	Mr. Makhdoom Riaz	May 3, 2018
Electronic Media in Pakistan: Challenges and Issues	Mr. Ghazi Salahuddin, Mr. Imtiaz Alam, Mr. Idris Bakhtiar, Mr. Mazhar Abbas, Dr. Touseef Ahmed Khan	May 3, 2018
Biochemistry of Stress	Dr. Mehnaz Nuruddin Gitay	May 2, 2018
Future Technology Trends in Computer Networking	Mr. Syed Azhar Ali	May 2, 2018

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Topic	Speakers	Date
Risk Analysis & Governance Issues in Financial Management	Mr. Raza Ali Soomro Mr. Shafique Ahmed	May 2, 2018
Inflation and Monetary Policy	Mr. Mohammad Abdus Salam	April 30, 2018
Importance of Employees	Ms. Mahjabeen Khan	April 30, 2018
Hospital Administration	Dr. Amir Raza Abedi	April 29, 2018
Intelligence & Consumer Data in the Light of Facebook Scandal	Mr. Sarang Abdur Rahman Wafai	April 28, 2018
Strategic Marketing in Digital Era	Mr. Amir Adnan, Mr. Raheel Yousuf Mr. Bilal Habib, Mr. Daniyal Naqvi	April 28, 2018
Financial Statement Analysis through Key Ratios	Mr. Shafique Ahmed	April 28, 2018
Interviewing Skills	Mr. Sajid Siraj	April 28, 2018
Fundamentals of Cash Flow Statement – Comparing procedures under IFRS and GAAP	Mr. Basharat Babar Afridi	April 28, 2018
Business Strategy - Thinking about Thinking	Mr. Kalim Aziz	April 23, 2018
Sadequain: Life and Work	Mr. Karamat Ali, Dr. Syed Mr. Jaffar Ahmed, Mr. Sultan Naqvi	April 23, 2018
Significance of Audit Function in Corporate Governance	Mr. Niaz Ahmed	April 22, 2018
Credit Management, and Compliance, Anti Money Laundering and FATCA	Ms. Sumera Baloch, Mr. Hammad Javed Vohra, Mr. Muhammad Owais Yar Khan	April 21 and 28, 2018
Business Strategy - Thinking about thinking	Mr. Kalim Aziz	April 19, 2018
Sales Strategies	Mr. Tariq Mehmood	April 18, 2018
Status of Media Law & Ethics in Pakistan	Mr. Muhammad Qaseem Saeed, Ms. Sidra Dar	April 18, 2018
HR Strategic Sync with Human Capital Evaluation and Management	Ms. Sanam Pathan	April 17, 2018
Role of Human Capital Management & Employee Branding	Mr. Faraz Shakil, Ms. Maira Akhtar	April 16, 2018
Change Management	Dr. Murtaza Abbas Mooman	April 16, 2018

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Topic	Speakers	Date
Teamwork, Leadership, Quality & Development	Ms. Margareth Carneiro, Ms. Rocio De La Cuadra, Mr. Fahad Ahmed, Dr. Akmal Attaullah Col (R) Rizwan Ahmed	April 12, 2018
Issues and Challenges of Transgenders in Pakistan	Mr. Kami Sid	April 11, 2018
Organizational Development and HR Practices of Textile Companies in Pakistan	Mr. Farhan Younus	April 10, 2018
Leadership and Conflict Management	Mr. Syed Mustafa Ali Ms. Nayyara Rehman	April 6, 2018
Overcoming Difficulties & Fear	Mr. Muhammad Faizan	April 2, 2018
Rising Extremism and Challenges to India-Pakistan Relations	Mr. O.P. Shah	March 22, 2018
Brand Audit	Mr. Faisal Ali Sheikh	March 20, 2018
Influential Marketing VS Advertising	Mr. Emad Zafar	March 20, 2018
Life in the age of social media armies /fake news	Ms. Ramsha Jahangir	March 19, 2018
Strategic Marketing	Mr. Dawood Gilani	March 19, 2018
Influential Marketing VS Advertising	Mr. Emad Zafar	March 17, 2018
Women Empowerment on (Everyday Issues that Dis-empower Women)	Ms. Shahnaz Wazir Ali, Ms. Iffat Ara, Ms. Nasreen Haque, Ms. Nadira Zaidi Ms. Komal Joyo, Ms. Noor ul Huda Shah	March 12, 2018
How Top Creative Directors Come Up with Great Ideas	Mr. Asrar Aslam	March 6, 2018
Youth of Pakistan: Issues and Challenges	Ms. Sarah Zaman	March, 2018
Weight Management	Dr. Faridah Amin	February 27, 2018
Business Ethics in Islam	Mr. Abdul Haseeb Khan	February 27, 2018
Human Behavior	Ms. Mahjabeen Salman	February 22, 2018
Missing Children	Mr. Mohammad Ali, Roshni Helpline	February 2, 2018
A Progressive Consensus? Building a Popular Political Movement on the Left	Dr. Aasim Sajjad Akhtar	February 2, 2018
Better Designs Leading to Better Sales	Mr. Hasan A. Hashmi	December 7, 2017

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Topic	Speakers	Date
Imkaan a Journey	Ms. Tahera Hasan	December 6, 2017
Globalization and the Rise of Multinationals in Emerging Markets	Mr. Shahid Raza	December 5, 2017
Quantitative Techniques used in Social Sciences Research	Dr. Kalim Hyder	December 5, 2017
Use of Graphics, Audio and Visual Aids in Education	Mr. Attique Rafique Memon	December 4, 2017
Microbiological Techniques in Research and Diagnostics	Dr. Aqeel Ahmad	December 2, 2017
Next Generation Sequencing	Dr. Arshad Ahmed Padhiar	December 2, 2017
How the Ownership and Governance of the Organization Influences HRM Strategies and Practices	Mr. Asif Ansari	November 29, 2017
Advertising and Digital Media Agencies in Pakistan	Ms. Bushra Joyo	November 29, 2017
International Accounting Standards (IAS) - Principle Based Vs Rule Based Concept	Mr. Mohsin Azam Khan	November 28, 2017
Project Development Process in Logic Design	Mr. Abdul Haseeb	November 28, 2017
Associative Analysis through SPSS	Mr. Mohammad Abdus Salam	November 22, 2017
Auditing and Ethics	Mr. Arif Masud Mirza	November 22, 2017
Nuclear Dynamics of South Asia	Mr. Ahmed Ali Shah	November 20, 2017
Research Study designs	Mr. Furqan Kabir	November 18, 2017
It's Not Just About Women: Re-looking at Gender and Public Health	Mr. Jane Brown	November 18, 2017
E-Learning tool (Learning Zone)	Mr. Haris Mahmood	November 18, 2017
Technology for Entrepreneurs	Ms. Rebecca Garcia	November 16, 2017
Employee Development	Dr. Murtaza Abbas Mooman	November 13, 2017
Hiring and Beyond: An Employer's Journey	Ms. Hina Mehmood, Mr. Murtaza Ilyas	November 12, 2017.
Randomized Controlled Trials (RCTs)	Dr. Ali Faisal Saleem	November 11, 2017

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Topic	Speakers	Date
The story of a Spirited Wanderer (A motivational talk on realizing your dreams)	Ms. Jaweria Awan	November 9, 2017
Social Media for Social	Mr. Zia Khan	October 30, 2017
Afghanistan: Impressions of a Young Pakistani Journalist	Ms. Hifza Shah Jillani	October 30, 2017
"Standing up to a Dictator"- Judiciary's Role in the Rule of Law	Retired Justice Wajihuddin Ahmed	October 20, 2017
Leadership and Decision Making	Mr. Syed Amjad Hussain	September 24, 2017
Credit Analysis	Mr. Muhammad Rauf	July 18, 2017

vii. Workshops

Workshops	Speakers	Date
Servant Leadership	Mr. Fahad Ahmed	May 13, 2018
Oracle Primavera P6	Mr. Aziz Channa	May 6, 2018
Six Sigma Implementation in Projects	Dr. Akmal Attaullah	May 6, 2018
Finance and its Dynamics in Banking Industry	Mr. Sharique Khan	May 4, 2018
Tell Me About Yourself	Mr. Naveed Ghan	May 3, 2018
Servant Leadership	Mr. Fahad Ahmed	April 29, 2018
Quickbooks – Accounting Software for Businesses	Ms. Kanza Sohail	April 16, 2018
Literature Review	Dr. Najmunnisa	April 14, 2018
Self-Management	Mr. Bilal Ahmed Khiyani	April 12, 2018
Solid-Works Modelling and Drafting Techniques, UET Lahore	Mr. M. Atif	April, 2018
Business Intelligence Tools and Techniques	Mr. Kashif Rashid Nagi	March 11, 2018
Team Building	Mr. Hussain Aftab Changi	March, 11, 2018
Primary Data Analysis Using SPSS	Mr. Farhan Ahmed Shaikh	March 11, 2018
Interviewing Skills, English Works Program 2017-18	Mr. Syed Qaiser Hussain	March 11, 2018

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Workshops	Speakers	Date
Hypothesis Testing Using SPSS	Mr. Farhan Ahmed Shaikh	March 10, 2018
Legal Writing Skills	Ms. Eeshah Khalid, Ms. Hiba Thobani	February 9-12, 2018
Outcome Based Education	Dr. Najmunnisa	January 23, 2018
Self-Motivation and Creative Thinking	Mr. Sheryaar Ahmed	December 7, 2017
Drafting your Research Questionnaire	Mr. Rana Tariq	December 5, 2017
Quantitative Data Analysis Using E-Views	Mr. Kashif Arif	December 2, 2017
Adobe Photoshop	Mr. Rehmat Khan	November 30, 2017
Sage 50 Peachtree Accounting Software	Mr. Farhan Ahmed Shaikh	November 26, 2017
Digital Marketing Training	Mr. Kanwal Masroor	November 19, 2017
SPSS Workshop	Mr. Farhan Ahmed	November 19, 2017
Citation & Reference Management	Dr. Najmunnisa	November 4, 2017
Developing Research Topics in Business	Mr. Syed Hasnain Alam	September 23, 2017

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i. Journal Publications

Authors	Title	Published in
Dr. Muhammad Naeem Ms. Narmeen Khan	A Review of Opinion Mining in Twitter Streams	International Journal of Next Generation Computing, March 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 17, Number 1, 2018
Dr. Mobeen Ur Rehman	Precious Metal Returns and Oil Shocks: A Time Varying Connectedness Approach	Resources Policy, Volume 19, Number 2, 2018
Dr. Mobeen Ur Rehman	Is CAPM a Behavioral Model? Estimating Sentiments from Rationalism	Journal of Behavioral Science, Volume 19, Number 2, 2018
Dr. Mobeen Ur Rehman Mr. Hassan Zada	Application of FAMA and French Five Factor Model of Asset Pricing Evidence from Pakistan Stock Market	International Journal of Economics, Management and Accounting, Volume 26, Number 1, 2018
Mr. M. Abo ul Hassan Rashid	Urbanization and Its Effects on water Resources: An Exploratory Analysis	Asian Journal of Water, Environment and Pollution, Volume 15, Number 1, 2018
Dr. Mobeen Ur Rehman	Impact of Director's Remuneration on Financial Performance of a Firm	International Journal of Information Business and Management, Volume 6, Number 1, 2017
Dr. Mobeen Ur Rehman	Reinsurance Analysis with respect to its impact on the Performance, Evidence from Non- Life Insurer in Pakistan	AESTIMATIO, The IEB International Journal of Finance, Volume 8, Number 2, 2017
Dr. Mobeen Ur Rehman	Energy Consumption to Environment Degradation, the growth appetite in SAARC Nations	Renewable Energy, Volume 111, Number 10, 2017
Dr. Mobeen Ur Rehman	Stock Market Reactions On Return And Trading Volume: The Impact of the Global Financial Crisis	Revista Evidenciacao Contabil & Financas, Volume 5, Number 1, 2017
Dr. Muhammad Naeem Khan	Incorporating Quality Control Activities in Scrum in relation to the concept of Test Backlog	Indian Academy of Sciences, Volume 42, Number 7, 2017
Dr. Muhammad Naeem Khan	A Review on Automatic Extraction and classification of non-functional requirements	International Journal of Advanced and Applied Sciences, Volume 4, Number 6, 2017
Dr. Mobeen Ur Rehman	Diversification Opportunities between Emerging and Frontier Asian (EFA) and Developed Stock Market	Finance Research Letters, 2017
Dr. Mobeen Ur Rehman	Determinants of Factor Affecting the Dividend Policy of Organizations	International Journal of Business and Management, Volume 7, Number 3

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Authors	Title	Published in
Dr. Mobeen Ur Rehman	Impact of Corporate Governance on Overall Firm Performance	Interdisciplinary Journal of Contemporary Research in Business, Volume 4, Number 11, 2017
Ms. Shumaila Zeb	Financial Regulations, Profit Efficiency, and Financial Soundness: Empirical Evidence from Commercial Banks of Pakistan	The Pakistan Development Review, Volume 56, Number 2, 2017
Dr. Muhammad Imran	An Improved Pulmonary Module Detection Scheme based on Multi-Layered Filtering and 3D Distance Metrics Adaptive and Laplace Mutation	IJACSA
Dr. Muhammad Naveed	Linking Distinctive Management Competencies to SME's Growth Decisions	Studies in Economics and Finance, Emerald, Volume 34, Number 3, 2017
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 27, 2017
Dr. Muhammad Usman Mr. Muhammad Azeem	A Fuzzy based Churn Prediction and Retention model for Prepaid Customers in Telecom Industry	International Journal of Computational Intelligence systems, Volume 11, Number 1, 2017
Dr. Muhammad Usman	A Churn Prediction Model for prepaid Customers in telecom using Fuzzy Classifiers	Telecommunication Systems, Volume 66, Number 4, 2017
Dr. Mobeen Ur Rehman	Relationship Between Economic Growth, Financial Development and Worker's Remittance in South Asia	ACRN Oxford Journal of Finance and Risk Perspectives, Volume 6, Number 3, 2017
Dr. Mobeen Ur Rehman	Dynamics of Co-movements among Implied Volatility, Policy Uncertainty and Market Performance	Global Business Review, Volume 18, Number 6, 2017
Dr. Mobeen Ur Rehman	Spillovers from Oil to Precious Metal Quantile Approach	Resource Policy
Mr. Syed Muhammad Usman Dr. Muhammad Usman	Epileptic Seizures Prediction using Machine Learning Methods	Computational and Mathematical Methods in Medicine, 2017
Dr. Muhammad Asif Khan	Do Hope Foster Innovative Work Behavior through Employee Engagement and Knowledge Sharing Behavior? A Conservation of Resources Approach Using MPLUS tool.	Business & Economic Review, Volume 9, Number 4, 2017

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Authors	Title	Published in
Dr. Muhammad Asif Khan	Broadening the Positive Psychological Capital Construct: An Asian Cultural Perspective	Journal of Independent Studies and Research-Management, Social Sciences and Economics, Volume 15, Number 2, 2017
Mr. Sajid Ali Khan	Brief Review of Gender Classification Techniques	International Journal of Advanced And Applied Sciences, 2017
Dr. Muhammad Naeem Khan	Multi-Agent based Functional Testing in the Distributed Environment	International Journal of Advanced Computer Science & Applications, Volume 8, Number 8, 2017
Dr. Azhar Mahmood Mr. Jibran Mir	Aspect Based Classification Model for Social Reviews	Engineering, Technology & Applied Science Research, Volume 7, Number 6, 2017

ii. Conference Proceedings / Book Chapters

Authors	Title	Published in
Mr. M. Abo ul Hassan Rashid	Effect of Teacher's Behavior on Academic Performance of Students	3 rd International Conference on Research & Practices in Education, February 16-17, 2018
Dr. Muhammad Naveed	Customized Corporate Investment Modeling across Developed & Developing Countries: A Nested Testing Analysis of Us and Pakistan Non-Financial sector	6 th Asia Pacific Conference on Advanced Research (APCAR-2018), Melbourne, Australia
Dr. Mobeen Ur Rehman	Energy Prices and Emerging Market Investor Sentiments	Proceedings 16th Finance, Risk and Accounting Perspectives and 2nd Sustainable Finance and Impact Investing Conference- Cambridge, September 25-27, 2017
Dr. Muhammad Usman	Predictive Analysis on Large Data For Actionable Knowledge Emerging Research & Opportunities	IGI Global, USA
Dr. Rashida Qureshi	Learning By Doing: Evidence from Pakistan, in innovation in the teaching of Research Methodology Excellence Awards: An Anthropology of Case Histories 2016	IGI Global, USA
Dr. Rashida Qureshi	Informed Consent in Educational Research: Tensions and Accommodations	Researching Ethically Across Cultures by Anna Robinson Pant and Nidhi Singal (Editors), Routledge UK

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Authors	Title	Published in
Mr. Sanaullah Ansari	The Key Role of Zakah as an Instrument of Financial System Stability in Pakistan: A Study of Punjab Province	6 th International Conference on Interdisciplinary Social Science Studies
Mr. Sanaullah Ansari	The Effective Role of Co-operatives and the need for Islamic Co-operation in Pakistan: A Critical Study of Punjab Province	Global Forum on Islamic Finance 2017: Islamic Finance: The Present and Future
Ms. Aunsia Khan	Early Diagnosis of Alzheimer's Disease Using Machine Learning Technique	7 th International Joint Conference on Knowledge Discovery, Knowledge engineering and Knowledge Management
Dr. Rashida Qureshi	Reflection on the Implications of Globalization of Education for Research Supervision	Procedia-Social and Behavioral Sciences
Ms. Sana Mumtaz	Systematic Review of the Framework of Workplace Spirituality: Current Perspective & Changing Trends	2 nd International Conference on Business and Management Perspectives in the Asian Context
Ms. Sana Mumtaz	Impact of Social Media Utilization on academic Performance of students in Islamabad	2 nd International Conference on Business and Management Perspectives in the Asian Context
Ms. Sana Mumtaz	Impact of Employee Loyalty on Organizational Commitment of Employees with moderating Role of Supervisor Support in Telecom Sector of Pakistan	Cust International Business Research Conference, 2017
Ms. Shumaila Zeb	Financial Regulations and Insolvency Risk of Islamic & Conventional Banks of Pakistan	5 th Academic International Conference on Multi-Disciplinary Studies and Education
Mr. Sanaullah Ansari	The Comparison of Risk Management Tools Practiced by Islamic and Conventional Banks in Pakistan	3 rd Islamic Finance, Banking & Business Ethics Global Conference

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

Participants	Title	Date
Dr. Shumaila Zeb	3 rd Academic International Conference	January 22-24, 2018
Dr. Rashida Qureshi Ms. Aliya Abdul Hayee	8 th International Conference on Education and Education Psychology (ICEEPSY), Porto-Portugal	October 11-14, 2017

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iv Seminars

Seminars	Speakers	Date
Forum on Change Management	Dr. Hassan Rasool, Mr. Aziz Ahmad Chaudhry, Mr. Fuwad Bashir, Mr. Faisal Durrani	May 17, 2018
Organizational Behavior for Entrepreneurs	CEO and CTO Maarcha.com	May 11, 2018
Seminar by World Bank, State Bank of Pakistan and Punjab Government	Mr. Johannes George P. Jansen Mr. Vijayasekara Kalavakonda Mr. Charles Stutley Mr. Ramiro Ittirouz Mr. Kamran Akram Mr. Muhammad Anwar Mr. Mirza Waseem Abbas	May 11, 2018
HR Forum on Contemporary Issues and Trends	Mr. Aziz Ahmad Chaudhry Mr. Fuwad Bashir Dr. Atif Bilal Mr. Tahir Masud	May 9, 2018
Growing Intolerance in Pakistan & its Countermeasures	Dr. Waheed Iqbal Chaudhry Mr. Syed Ubaidullah Jamil Mr. Qamar Abbas Cheema	May 7, 2018
Exploring International Educational Opportunities	EDC & ERFA	April 4, 2018
Umair Jaliwala Motivational Session	EDC/ERFA	April 2, 2018
PMI-IPC 181 st Monthly Seminar	Mr. Mohsin Nishat	March 26, 2018
Seminar at HEC	SZABIST & SAP International	March 22, 2018
National Awareness Session with Senator Dr. Ismail Buledi	Dr. Ismail Buledi	March 7, 2018
Awareness Session by School of Leadership	EDC	March 6, 2018
Anti-Sexual Harassment Awareness Session for Faculty of SZABIST Islamabad	Ms. Summara Ahmed	March 6, 2018
Chief Minister's e-Rozgaar Training Program	EDC	March 1, 2018
Elimination of Gender-Based Violence	Dr. Syed Tahir Hijaz Ms. Afshan Tehseen Ms. Abid Abbasi Ms. Muqaddisa Mehreen	March 1, 2018
Awareness Session by Teach for Pakistan	EDC	March 1, 2018

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Seminars	Speakers	Date
Deans Address	Dr. Kaiser Bengali	February 20, 2018
Anti-Harassment Awareness Session	Faculty of SZABIST Islamabad	February 13, 2018
PMI-IPC 180 th Monthly Seminar Leadership	Mr. Taimur A. Bhatti Mr. Wahaj us Siraj	January 31, 2018
Drug Abuse among Youth: Awareness and Preventive Measures	Mr. Hammad Ahmed Dogar	November 17, 2017
PMI-IPC 179 th Monthly Seminar: What's News in PMBOK 6 – A Comparative	Mr. Suhail Iqbal	November 17, 2017
Women Health Awareness	Ms. Muniba Mazari	November 13, 2017
Dialogue on BOL movie	Mr. Fayyaz Ahmad Khan	November 13, 2017
Disaster Risk Reduction–Responsibilities of Youth	Mr. Asrar Ayyub	November 10, 2017
Role of Parliament	Ms. Sassui Pallojo Mr. Aajiz Dhamarah Mr. Murtaza Wahab Dr. Fauzia Hameed	November 8, 2017
Motivation and Setting Personal Goals in Life	Mr. Raja Zia-ul-Haq	October 13, 2017
Sales & Marketing	Mr. Ali Babar	October 12, 2017
Little Things in Life	Ms. Humna Raza	October 10, 2017

v. Guest Speaker Sessions

Topic	Speakers	Date
High Commissioner of Canada	Mr. Perry Calderwood	February 20, 2018
HEC Guest Visit & Live Program Recording	Dr. Muhammad Latif	January 16, 2018

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vi. Workshops

Workshops	Trainers	Date
NVIVO Workshop	Mr. Muddasar Ghani Khwaja	April 6, 2018
AMOS Workshop	Mr. Muddasar Ghani Khwaja	March 30, 2018
5-day Faculty Training on JAVA Foundations Provided by SZABIST's Faculty member	Mr. Zubair Ahmed	December 14, 2017
NVIVO 11 Workshop	Dr. Muhammad Asif Khan	December 13, 2017
SPSS and Advanced Quantitative Data Analysis	Ms. Faryal Razzaq Dr. Ayaz	December 6, 2017
Android Application Development	Mr. Anus Ahmed Ms. Farah Younas	December 4, 2017
Fundamentals of Poster Design	Ms. Shumaila Zeb Ms. Khansa Zaman	October 9, 2017
How to write Research Proposal	Ms. Khansa Zaman	September 11, 2017
4-day Project Management Professional (PMP) Workshop	Mr. Ahmed Aslam	August 19, 2017

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i. Journal Publications

Authors	Title	Published in
Mr. Raza Ali	Measuring Stock Indexes Volatility of Emerging Markets	JISR-MSSE, Volume 15, Issue 2, July-December 2017
Mr. Jalil Thebo	Impact of Perceived Risk factors on online shopping behavior	Annual Research Journal, SALU Commerce and Economics Review (SALU-CER), Volume 3

ii. Conference Proceedings / Book Chapters

Authors	Title	Published in
Mr. Imran Khan Junejo Mr. Vickram Talreja	Analysis of Factors Affecting Job Satisfaction Evidence from Banking Sector	1 st International Conference on Management, Business and Leadership (ICMBL), Department of Business Administration, Sindh Madressatul Islam University Karachi, April 10-11, 2018
Mr. Naveed Anwar	Darker Side of HRM: Impact of HRM practices on Employee stress with moderating role of POS- A conceptual Model	3 rd International Conference on Business, Economics & IT, Sindh University, Dadu Campus, February 7-8, 2018
Mr. Shoaib Ali Shah Mr. Vickram Talreja	Relationship between Money Supply and Government Expenditure Using Vector Error Correction Model (VECM)	3 rd International Conference on Business, Economics & IT, Sindh University, Dadu Campus, February 7-8, 2018
Dr. Zahida Azam	Chaired and Key Note Speaker	3 rd International conference on Business, Economics & IT, Sindh University, Dadu Campus, February 7-8, 2018
Mr. Jalil Thebo	Impact of Perceived Risk on E-Shopping: An Empirical Research on Online Buying Behavior	International Conference on Innovation and Emerging Trends in Education & Social Sciences, Iqra University, Karachi, January 8-9, 2018
Mr. Naveed Anwar	Impact of HRM practices on Employee Stress with moderating role of POS a case study of University students in Larkana	International Conference on Innovation and Emerging Trends in Education & Social Sciences, Iqra University, Karachi, January 8-9, 2018
Mr. Juned Shah	The Impact of CSR Initiatives on Brand Loyalty: Consumer Perspective (The Case Study of FMCG Sector in Karachi-Pakistan)	6 th International Conferences on Sustainable Business Innovation (ICSBI-17), Greenwich, Karachi, December 21-22, 2017
Mr. Jalil Thebo	Running head: Effect of Managerial Treatment of Zeigarnik Effect on Employee Work Performance and Job Satisfaction	2 nd National Research Conference on Management and Business (NRCMB-II) SZABIST, Karachi, November 24-25, 2017

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Authors	Title	Published in
Mr. Juned Shah	The Impact of Services Offered By Shopping Malls in Karachi-Pakistan on Consumers' Loyalty	2 nd National Research Conference on Management and Business (NRCMB-II) SZABIST, Karachi, November 24-25, 2017
Mr. Jalil Thebo	Effects of Managerial Perceived Efficiency and evaluating the personality in house job rotation and its implementation	International Conference on Business and Management (ICBM), Shah Abdul Latif University, Khairpur, November 22-23, 2017

iii. Seminars

Seminars	Speakers	Date
Awareness Seminar Regarding Career Opportunities	Sindh Education Foundation	May 2, 2018
USA Fulbright Scholarship Seminar	USA Fulbright	March 14, 2018
Seminar on the Role of Business in Developing the Strong Society	Mr. Sarang Manzoor, Manager Retail Sales TCS Pvt. Limited	March 9, 2018
Seminar on Marketing	Mr. Farhan Mustafa Naqvi, Regional Head, Horizon Pharmaceutical Pvt. Ltd	November 17, 2017
Seminar of Entrepreneurial Mind Set and Creativity	Dr. Nadeem Ahmed Bhatti, Canada	September 22, 2017
Seminar on Income Tax Ordinance 2001	Mr. Muzaffar Ali Soomro, Commissioner (IR)	September 22, 2017
Pakistan Air Force Career Counseling Seminar	Major Raz, Pakistan Air Force	September 19, 2017

a. Webinars

Topic	Speakers	Date
Experiments in Consumer Behavior	Mr. Abdul Salam, Lecturer, MUET	May 5, 2018
Personal and Professional Skills	Ms. Umme Farwa, Senior Client Manager, Drehomes Real Estate, Dubai	May 4, 2018
Whistle Blowing and Fraud Management	Mr. Irfan Qassim, Corporate Trainer, HBL Pakistan	April 30, 2018

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Topic	Speakers	Date
Presentation Skills and Stage Fright	Mrs. Bushra Rashid, Air Commodore, Kamra; Head of PAF Finishing School, Kamra; Faculty Member, COMSAT University	April 25, 2018
Services Insights	Ms. Mashal Amir Ali, Director Marketing & Corporate Affairs	April 18, 2018
Modern Trends in the Management of Big Data	Dr. Nawab Muhammad Faseeh Qureshi, Assistant Professor, SKKU, Seoul, South Korea	April 16, 2018
The Technology Revolution and The Restructuring of The Global Economy	Mr. Ziauddin Shah, Head IT, Solution and Sales	April 10, 2018
Effective Communication Skills	Ms. Iram Tanvir, Yorkville University of Canada	March 10, 2018
Information Security Analysis in Digital Financial	Mr. Nouman Hussain, Senior Information Security Auditor	February 28, 2018
Self-Leadership, what makes you stand out	Dr. Mumtaz Ali Memon	November 25, 2017
Challenges in Practical in Life as HRM Professional	Mr. Raheel Narejo, Deputy Director Administration and HR, State Bank Pakistan	November 24, 2017
Research Process Do's and Dont's	Dr. Yasir Soomro, King Saud University, Saudi Arabia	November 24, 2017
Marketing Mavericks	Mr. Jawad Kureshi, Co-Founder and CEO, STEM360	November 22, 2017
Entrepreneurial Mindset Demystifying the Myths	Dr. Imran Qadir, Haripur University, Haripur	November 21, 2017
Sales Management: Art or Science	Mr. Karam Shar, Area Sales Manager, Unilever	November 21, 2017
Personal Management Techniques	Mr. Rafiqe Khuro, Director CDC, Haripur University, Haripur	November 20, 2017
Art of Persuasion	Mr. Hassan Quershi	November 20, 2017
Responsive Web Designing Using Bootstrap	BSCS Department, SZABIST, Larkana Campus	November 18, 2017.

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Topic	Speakers	Date
Role of Micro Finance in Economy	Mr. Irfan Ali Jagirani, Corporate Team Lead Trainer, Khushhali Micro Finance Bank	November 18, 2017
Leadership Lessons	Mr. Fehmeed Anwar, CEO, Hati Kemang, Jakarta.	November 17, 2017
Information and Network Security	Mr. Atif Abro, Senior Information Security Analyst, Trillium Security	October 14, 2017

iv. Guest Speaker Sessions

Topic	Speakers	Date
Sindh Education Foundation	Mr. Jabbar Mari, Regional Head, Sindh Education Foundation	May 2, 2018
KMBL Khushhali Bank Larkana Recruitment System	Mr. Agha Khan Buriro, Branch Manager and Team	April 16, 2018
Project Management for Entrepreneurs	Mr. Muhammad Ali, Head of Strategy and Excellence, Taj Corporation	March 16, 2018
Managerial Roles and Challenges	Mr. Irfan Ali Jagirani, Team Lead Trainer, Khushhali Bank, Larkana	November 17, 2017
Breast Cancer Awareness "Pink Day"	Dr. Saira Fatima (MBBS, FCPS), CMC Larkana	October 18, 2017

v. Workshops

Workshops	Trainers	Date
Advance Excel Techniques for Managers	Mr. Muhammad Azam	May 11-12, 2018
SMEDA Workshop	Mr. Imran, Head of Incubation Center, IBA Karachi	May 2, 2018
Achieve More With Less	Mr. Zahid Ahmed Qazi	April 15, 2018
How to Start New Business	Mr. Friedrich Christian Bohmler	March 11, 2018
Cisco Packet Tracer Tool	BSCS Department	February 28, 2018
Transformation of Saving into Investments	AKD Securities	November 28, 2017
Responsive Web Designing Using Bootstrap	BSCS Department	November 18, 2017

Knowledge Creation and its Dissemination-Larkana Campus

Workshops	Trainers	Date
PC Assembling and Installation training	BSCS Department	October 4 and 11, 2017
Faculty Development	Mr. Shoaib Ali Shah	September 30, 2017

vii. Study/Field Visits

Study/Field Visits	Lecturers	Date
Engro Foods Plant, Rohri	Mr. Qasim Ali Shah	April 28, 2018
Fauji Fertilizers and Food Processing Facility, Mirpur Mathelo	Mr. Majid Ali Mr. Imran Khan Junejo	April 28, 2018

Knowledge Creation and its Dissemination-Hyderabad Campus

i. National and International Conference/Seminar/Workshop Attended/Participated

Speakers	Title	Date
Mr. Ikramuddin Junejo	Factors Influencing Brand Loyalty of Sportswear among Business Students: A Case Study of Hyderabad, Sindh, Pakistan	July, 2018
Mr. Ikramuddin Junejo	Impact of Domestic Borrowings on Unemployment Rate: Empirical Evidence from Pakistan 2000-2015	May 11, 2018
Mr. Ikramuddin Junejo	Impact Education expenditure on literacy rate: Empirical evidence from Pakistan 2004-2016	May 11, 2018
Mr. Ikramuddin Junejo	Impact of Education Expenditure on Literacy Rate: Empirical Evidence from Pakistan 2004-2016	May 10-11, 2018
Mr. Muhammad Ahsan Memon	An In-Depth Study of USC-HAD, its Dataset Organization and its Classifier Performance	May 5, 2018
Ms. Sumbul Ghulamani	Educating Students in Remote Areas Using Augmented Reality	March 3, 2018
Mr. Jan Muhammad	Exploring the Influence of Brand Communities on Strengthening Brand Relation: A Novel Approach in Pakistan	February 24, 2018
Ms. Saira Memon	Comparison between Fitbit Charge HR & Microlife Wrist Watch for Healthcare	February 21, 2018
Ms. Sumbul Ghulamani	Retinal Security Detection for Automated Teller Machines (ATM)	February 21, 2018
Mr. Ikramuddin Junejo	Impact of Total Population on Net National Savings: Evidence from Pakistan 2000-2014	February 20, 2018
Dr. Khizer Hayat	Reasons As To Why Consumer Prefers One Brand Over Another: A Study Of Packaged Milk In Hyderabad Using Blind Tests	December 2, 2017
Mr. Ikramuddin Junejo	Current practices in Higher Education institutes and gap reduction between Industry and Academia: A literature Review Approach	November 24-25, 2017
Ms. Shahira Mukhtar	A critical Discourse Analysis of Objectification: Women in Pakistan Advertisement	November 7, 2017

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Speakers	Title	Date
Ms. Shahira Mukhtar	Impact of Emojis on English Communication Skills	November 6, 2017
Mr. Ikramuddin Junejo	Business and Management on the Asian Context	October 18-20, 2017
Mr. Jawad Raza Khoso	Impact of Electricity Crisis on Industrial Growth of Pakistan: A multiple regression analysis approach	October 18-20, 2017
Mr. Umair Jamil Ahmad	Operating Systems	October 14, 2017
Mr. Muhammad Ahsan Memon	Feasibility of LiFi in the contemporary World – A Survey on the Dichotomy of its Production and Distribution Mechanisms	September, 2017

ii. Seminars

Seminars	Speakers	Date
Mr. Noman Ahmad Junejo	IT Infrastructure Development	April 30, 2018
Mr. Umair Jamil	CMMI and its levels	April 30, 2018
Ms. Arusha Imtiaz	Power and Politics in Organization	April 6, 2018
Dr. Muhammad Javed Shaikh	Race & Ethnicity	March 28, 2018
Ms. Naseema Munir	Breast cancer, its causes and precautions	March 6, 2018
Mr. Abbas Shah Mr. Ali Akbar Shah	NLP: A look into future AI trends	March 1, 2018
Mr. Ali Syed	Together for tolerance	March 1, 2018
Mr. Afzal Khan Memon	Your life is your Choice	February 19, 2018
Mr. Humza Afzal Mr. Sarfraz Kiyani	Business plan for Women Entrepreneurship	November 22, 2017
Mr. Zaigham Abbas Shah	Applications of IOT in Real World	November 21, 2017
Mr. Abbas Sajjad	Investment in Mutual Funds	October 12, 2017
Mr. Humair Khan Mr. Faisal Qadri	CISCO Technologies & CCNA	October 4, 2017
Mr. Ali Akbar Shah	Arduinofying	September 29, 2017

Knowledge Creation and its Dissemination-Hyderabad Campus

Speakers	Title	Date
Mr. Syed Aijaz Jaffri	Current opportunities and challenges of Marketing in Pakistan	September 22, 2017
Mr. Ali Akbar Shah	Arduinofying	September 22, 2017
Mr. Afzal Khan Memon	DISCOVERIA	September 18, 2017

iii. Workshops

Workshops	Trainers	Date
Resume Building	Mr. Javed Shaikh	April 16, 2018
LinkedIn-get your profile ready	Mr. Amir Ali Khushk	April 9, 2018
Stock Trading	Dr. Arshad Haroon Mr. Haris Khan Mastoi	February 27, 2018
Virtual Stock Trading	Mr. Munir Memon	February 26, 2018
Peachtree accounting Software	Mr. Syed Feroz Ali	November 24, 2017
Printed Circuit Board (PCB) Designing	Mr. Ali Akbar Shah	November 23, 2017
Tools for Formatting Research Papers	Ms. Sumbul Ghulamani	November 22, 2017
Thalassemia	Dr. Khalid Soomro	November 17, 2017
Peachtree accounting Software	Mr. Najeeb Akhtar	October 18, 2017
Investment in Mutual Funds	Mr. Abbas Sajjad	October 12, 2017
Arduinofying	Mr. Ali Akbar Shah	September 15, 2017
SPSS	Mr. Rashid Ahmed Qureshi	August 31, 2017
E-Filing	Mr. Shafqat Ullah Shaikh, Mr. Tanseer Ahmed	September 16, 2017

Knowledge Creation and its Dissemination-Dubai Campus

i. Journal Publications

Authors	Title	Published in
Mr. Zafar Ali Dr. Tariq Rahim Soomro	An Efficient Mining Based Approach Using PSO Selection Technique for Analysis and Detection of Obfuscated Malware	Journal of Information Assurance & Cybersecurity, February 2018
Ms. Shareen Irshad Dr. Tariq Rahim Soomro	Identity Theft and Social Media Envisioning Internet of Things using Fog Computing	International Journal of Computer Science and Network Security (IJCSNS), Volume 18, Number 1, January 2018
Ms. Urooj Yousuf Dr. Tariq Rahim Soomro	Measuring the Impact of Soft and Hard Quality Practices on Service Innovation and Organizational Performance	International Journal of Advanced Computer Science and Applications (IJACSA), Volume 9, Number 1, 2018
Mr. Bilal Ahmed Khan Dr. Hummayun Naeem Mr. Bilal Ahmed Khan Dr. Hummayun Naeem	The Impact of Strategic Quality Orientation on Innovation Capabilities and Sustainable Business Growth: Empirical Evidence from the Service Sector of Pakistan	Total Quality Management & Business Excellence, Volume 29, Number 11-12, 2018
Dr. Naveed Ahmed Shaikh	Estimation Of Welfare Loss In Rural Households And Intervention Gap During Flood 2010 In Sindh	International Journal of Quality & Reliability Management, Volume 35, Number 8, 2018
Mr. Asim Ismail Dr. Muhammad Nawaz Brohi	Impact of femtocell on the performance of WiMAX", Review Of Computer Engineering Studies	Journal of Grassroots, Volume 51, Number 2
Mr. Muhammad Saad Dr. Tariq Rahim Soomro	Cyber Security and Internet of Things	International Information and Engineering Technology Association (IIETA), Volume 4, Number 3, September 2017
Dr. Naveed Ahmed Shaikh	Empirical Analysis of Factors affecting Economic Growth in Pakistan	Pakistan Journal of Engineering Technology and Science (PJETS), Volume 7, Number 7, June 2017
Dr. Hummayun Naeem Mr. Muhammad Farooq	Leadership Styles in the Maintenance Industry of UAE: A Focus Group Analysis	SALU Commerce and Economic Review, Volume 1, Number 2, March 2017
Dr. Nasreen Khan	Constructive Deviance: A Work Family Enrichment Perspective	European Scientific Journal, Volume 13, Number 7, March 2017
Dr. Naveed Ahmed Shaikh	Investigation of Date Palm Production, land ownership and contracting and Farm to Market Distance: A case of small dates growers in district Khairpur	Asian Research Journal of Business Management, Volume 5, Number 1, 2017
Mr. Hatem M. Elsherif Dr. Tariq Rahim Soomro	Perspectives of Arabic Machine Translation	Commerce & Economic Review, Volume 3, 2017
Dr. Naveed Ahmed Shaikh	Impact of Floods 2010 on Household Welfare in Northern Sindh Districts: Estimation of Selected Household Consumption of Food Items	Journal of Engineering Science and Technology, Volume 12, Number 9, 2017 Journal of Grassroots, 2017,

Knowledge Creation and its Dissemination-Dubai Campus

ii. Conference Proceedings/ Book Chapters

Authors	Title	Published in
Mr. Saqib Muhammad Ghulam Dr. Tariq Rahim Soomro	Twitter and Urdu	International Conference on Computing, Mathematics and Engineering Technologies (ICoMET), March 3-4, 2018

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

Participants	Title	Date
Mr. Talha Sheikh Mr. Syed Mehdi Ms. Asma Qadeer Dr. Hummayoun Naeem	Job Burnout Among Customer Services Officers: A Comparative Study of Banking Sector	March 8, 2018
Ms. Ummay Abeeha Dr. Hummayoun Naeem	HR Conducive Policies and Job Engagement of Employees: An Evidence from the Tourism Sector of UAE	March 8, 2018
Ms. Fatima Sarwar Dr. Nasreen Khan	The secret behind tricking the mind to function better; Practicing mindfulness	March 8, 2018

iv. Workshop

Workshops	Trainers/Organizers	Date
Skill Development Workshop on Adobe Photoshop	IEEE SZABIST	March 18, 2018
Workshop on Artificial Intelligence, Deep Learning and Big Data by Innosoft Gulf FZ-LLC	Mr. Ahmed El Koutbia	March 15 and 29, 2018
Demo training workshop on Employability skills	Student Placement Cell	February 25, 2018
Career Guidance Workshop	Student Placement Cell	November 12, 2017
Students performed various acting exercises which included pushing, lifting, fear, happiness and sadness	Ms. Shafaq Zehra	October 11, 2017
Job Hunting/Networking, CV writing, Cover Letter writing, Interviewing and Follow up	Student Placement Cell	October 9, 2017

Knowledge Creation and its Dissemination-Dubai Campus

v. Guest Speaker Sessions

Topic	Speakers	Date
Change Dynamics in Banking industry of UAE	Mr. Umair Ahmed	May 16, 2018
Data Collection and Reporting: Problems Faced By Journalists in Pakistan	Ms. Annam Lodhi	April 21, 2018
Project Risk Management	Mr. Asad Ullah Chaudhry	November 24, 2017
Film Making " Sound and Music	Mr. Kamran Kalson	November 21, 2017
Cost Management in Projects	Mr. Kafeel Asghar	November 17, 2017
Character Building and Characterization in A Story of Television Dramas	Mr. Saji Gul	October 25, 2017
Compensation Issues in the Modern Competitive Corporate World	Dr. Abu Amin	September 6, 2017

vi. Seminars

Title	Chief Guests/ Speakers	Date
Own An Hour	Pakistan Association Dubai	March 12, 2018
The Role of IT in Day to Day Operations Mgt. at Noor Bank, UAE	Mr. Muhammad Waseem	February 2, 2018
Tourism Sustainability in Dubai	Dr. Hummayoun Naeem	July 25, 2017



B

ANNEXURE

Tables



Tables

Table 2.2: SZABIST Karachi Campus – Library Resources 2017-2018

No.	Particulars	Quantity
1	Printed Form	
	A. Books	14,721
	a. Management Sciences	3,604
	b. Computer Sciences	2,953
	c. Media Sciences	365
	d. Social Sciences	2,594
	e. Economics	679
	f. Engineering	1,417
	g. Law	1,511
	h. Bioscience	358
	i. English	393
	j. Education	333
	k. Reference Collection	514
	B. Reports	1,908
	a. Independent Study	446
	b. Project	1,270
	c. Thesis	192
	C. Journal/Magazines (Subscribed)	54
	D. Newspapers (Daily)	7
2	Digital Form	
	A. Computers	10
	a. Digital library	6
	b. Counter Use	4
	B. E-Books	5,500
	C. CD's	776
	a. Books Related	714
	b. General	72
	D. DVD's	110
	E. Audio/Video Cassettes	133
	F. Journal/Magazines (Online)	4,500
	G. Access to Online Journals	Yes
	a. Institute of Electronic and Electrical Engineering	Yes
	b. Association of Computing Machinery	Yes

Tables

Table 2.3: SZABIST Karachi Campus – Computing Resources 2017-2018

No.	Particulars	Quantity
1	Servers	24
	a. IBM	10
	b. HP Proliant	04
	c. Hawaii	03
	d. Acer	1
	e. Dell	06
2	Desktop Computers	312
	a. Pentium Core i3	26
	b. Pentium Core i5	46
	c. Pentium Core i7	180
	d. Dell Laptops	60
3	Video Conferencing Facilities	1
4	Color Scanners	10
5	Printers	70
	a. Color Laser	20
	b. Monochrome Laser	50
6	Multimedia Projectors	50
7	License Softwares	4
	a. KasperSky Antivirus	1
	b. Anti-plagiarism Check	1
	c. MS Office 2010 (200 User Lic.)	1
	d. Oracle Academy	1
	e. MSDN Academic Alliance (Unlimited access on all Microsoft educational soft wares)	Campus License
8	Digital Library Access	1
9	Premium CIR Bandwidth with PERN2 Access	100 MB
10	Fibre Link Internet Access (backup)	18 MB

Tables

Table 2.5: SZABIST Islamabad Campus-Library Resources 2017-2018

No.	Particulars	Quantity
1	Printed Form	
	A. Books	15,200
	a. Management Sciences	8,486
	b. Computer Sciences	3,786
	c. Media Sciences	183
	d. Social Sciences	1,029
	e. Economics	439
	f. Engineering	-
	g. Law	-
	h. Miscellaneous	1277
	B. Reports	4,970
	a. Independent Study	3,315
	b. Project	633
	c. Thesis	841
	d. Practicum	181
	C. Newspapers (Daily)	12
2	Digital Form	
	A. E-Books (SZABIST Digital library developed by the Librarians)	28,000
	B. Books (Ebrary HEC)	142,000
	C. CD's	4,416
	a. Research (IS) Related	3,364
	b. Books Related	852
	A. DVD's (Video Lectures)	200
	B. Journal/Magazines (Online)	5,880
	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 2017-2018

No.	Particulars	Quantity
1	Servers	
	a. IBM Blade Center	3
	b. Dell Power Edge	7
	c. HP ProLiant	1
	d. Compaq	1
2	Desktop Computers	
	a. HP PRO Desk 600 Core i7	50
	b. HP PRO Desk 400 MT Core i7	104
	c. HP Elite Desk 800 Core i7	20
	d. HP and Dell Core (i3,i5)	20
	e. Dell OptiPlex 330	65
	f. Apple iMac Core i3, i5	11
	g. HP Compaq 2310	60
	h. Dell OptiPlex core 2 duo	20
3	Video Conferencing Facility	1
4	Color Scanners	4

Tables

Table 2.8 : SZABIST Larkana Campus-Library Resources 2017-2018		
No.	Particulars	Quantity
1	Printed Form	
	A. Books	3,312
	a. Management Sciences	1,826
	b. Computer Sciences	695
	c. Others	825
	d. Books purchased this year	34
	B. Reports	736
	a. Project	468
	b. Thesis	268
	C. Journal/Magazines (Subscribed)	17
	D. Newspapers (Daily)	9
2	Digital Form	
	A. E-Books	4,650
	B. CD's (Books Related)	200
	C. Journal/Magazines (Online)	3,000+

Tables

Table 2.9 : SZABIST Larkana Campus-Computing Resources 2017-2018

No.	Particulars	Quantity
1	Servers Machines	6
	a. Power Edge R720	2
	b. Core i7 Server TMG	2
	c. Core i5 Server Data Base	2
2	Desktop Computers	135
	a. Core i7	33
	b. Core i5	43
	c. Core i3	50
	d. Core 2 Duo, Dual Core, P-D	9
3	Color Scanners	3
4	Printers	11
	a. Color LaserJet M200	1
	b. HP LaserJet	10
5	License Software	50+
6	Multimedia Projectors	17
7	Video Conferencing Facilities	1
8	Dc Power Supply	3
9	Digital Meter	3
10	Digital Storage Oscilloscope	3
11	Logic Trainer	3
12	Function Generator	3
13	Micro Controller tool box	3
14	Logic Probe & Pulsar	3

Tables

Table 2.11: SZABIST Hyderabad Campus-Library Resources 2017-2018

No.	Particulars	Quantity
1	Printed Form	
	A. Books	3,075
	a. Business Studies	1,930
	b. Computer Sciences	686
	c. General/Mixed	460
	B. Reports	227
	a. Final year research Project/Report	27
	b. Thesis/Project	200
	C. Journal/Magazines (Subscribed)	39
	D. Newspapers (Daily)	3
	E. case Studies	127
2	Digital Form	
	A. E-Books	2,000
	B. CD's (Books Related)	200
	C. Journal/Magazines (Online)	4,589
	D. EBSCO host (Online)	5
	E. E-Journals	365 Articles

Tables

Table 2.12: SZABIST Hyderabad Campus-Computing Resources 2017-2018

No.	Particulars	Quantity
1	Servers	2
	A. Intel Xeon Dual Processor	2
2	Desktop Computers	127
3	Video Camera with codec box and DSB	1
4	Color Scanners	3
5	Printers	9
	A. Colored	2
	B. Laser Printer Black	7
6	Multimedia Projectors	21

Tables

Table 2.14 : SZABIST Dubai Campus-Library Resources 2017 -2018		
No.	Particulars	Quantity
1	Printed Form	
	A. Books	3,118
	a. Management Sciences	1,515
	b. Computer Sciences	751
	c. Media Sciences	354
	d. Economics	498
	B. Reports	146
	a. Independent Study	7
	b. Project	89
	c. Thesis	50
	C. Journal/Magazines (Subscribed)	6
	D. Newspapers (Daily)	2
2	Digital Form	
	A. CD's	146

Tables

Table 2.15 : SZABIST Dubai Campus-Computing Resources 2017-2018

No.	Particulars	Quantity
1	Servers	7
	HP ProLiant	6
	DELL R320	1
2	Desktop Computers	132
	Core i7 Dell 7040	5
	Core i7 Dell 9020	3
	Core i5 3.2 ghz	25
	Pentium Core 2 Duo	34
	Pentium Dual Core	19
	Pentium-IV	42
	MAC Pro	3
	iMAC MK462 5K	1
3	Virtual Desktop Infrastructure Enabled Computer Lab	19
4	Video Conferencing Facilities	1
5	Printer with Scanner	13
	Color Laser	3
	Multifunction (Scanner/Printer/Copier)	2
	Monochrome Laser	8
6	License Softwares.	119
	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	3
	MAC Snow leopard OS	3
	OS X El Capitan	1
	SPSS 17 Student Edition	6
	Adobe Master Collection CS4 WIN IE	2
	Adobe CS2	10
	MS-office Professional 2007	50
	MS-office XP	30
	MS-Project 2003	1
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	Visual Basic.Net 2003	6
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