



SZABIST Shaheed Zulfikar Ali Bhutto Institute of Science & Technology

Discover
Yourself



SZABIST **Annual Report** **2012-2013**



Vision

Shaheed Zulfikar Ali Bhutto Institute of Science and Technology shall be a world class institute recognized globally for its excellence in education, scholarship in research and distinction in service.

Mission

The Shaheed Zulfikar Ali Bhutto Institute of Science and Technology has been established with the objectives of producing highly qualified, scientific and technical personnel to meet the country's requirements; of conducting state-of-the-art scientific and technological research and development in support of the private and public sector; of providing hi-tech scientific and technological assistance to the Pakistan industry to enable it to compete with the world industries in global trading; of providing highly trained scientific and technological personnel to be able to attract the growth of high-tech industries and foreign and Pakistani investment; and of providing a sound socio-economic and scientific base and infrastructure to Pakistan to be able to meet the economic and technological challenges of the 21st century.

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

BABS	Bachelor of Arts in Business Studies
BBA	Bachelor of Business Administration
BEME	Bachelor of Engineering in Mechatronics
BoT	Board of Trustees
BS (Biosciences)	Bachelor of Science in Biosciences
BSCS	Bachelor of Science in Computer Science
BSIT	Bachelor of Science in Information Technology
BSMS	Bachelor of Science in Media Sciences
BSSS	Bachelor of Science in Social Sciences
EMBA	Executive Master of Business Administration
HEC	Higher Education Commission of Pakistan
HSC	Higher Secondary Certificate
LLB	Bachelor of Law
MBA	Master of Business Administration
MBI	Masters in Business Intelligence
MCS	Master of Computer Science
MISNA	Masters in Information Security and Networks Administration
MPM	Masters in Project Management
MSCS	Master of Science in Computer Science
MSIT	Master of Science in Information Technology
MSMS	Master of Sciences in Management Sciences
MSSSE	Master of Sciences in Social Sciences and Economics
PMBA	Professional Masters of Business Administration
PhD	Doctor of Philosophy
UoL	University of London
UoW	University of Wales at Newport
WBBA	Weekend Bachelors of Business Administration
WMBA	Weekend Masters of Business Administration

Foreword

Over the past few years, the SZABIST Trust Annual Report has become a regular publication featuring the success and achievements of the Institute during the academic year. The report reflects the actions undertaken by the Management in its quest to fulfill the vision of the Founding Chancellor, Shaheed Mohtarma Benazir Bhutto, to become globally recognized for quality education and research.

Currently, the SZABIST umbrella consists of four university campuses in Pakistan and one university campus in Dubai (UAE). In addition, the Institute has four ZABTech Units, four Intermediate Colleges and Schools, and one Montessori and Pre-primary School. The SZABIST Trust has plans to expand further in the near future with another university campus in Lahore. The purpose behind these expansions is to make quality education accessible all over Pakistan.

During the year 2012-2013, various new programs have been launched across all campuses and vocational units to cater the diversifying market requirements. For instance, Karachi campus launched Master in Project Management, Master in Advertising, and Master of TV Production. Similarly, Islamabad campus introduced Human Resource Management programs and diplomas in Project Management and Contract management. Likewise, the other campuses have also initiated programs to meet the demands of their individual markets.

In addition, SZABIST has shown progress with regard to growth in student enrollments, scholarships, CSR pertaining activities, graduates, and much more. The Institute plans to introduce more programs and workshops in the upcoming year whilst maintaining the quality standards. Also, the faculty development programs are being conducted with up-to-date teaching practices to enhance the faculty's learning.

This report provides the reader with an overview of the developments made during 2012-2013 along with the future plans of SZABIST. The SZABIST Trust and team of Institutional Research/Quality Enhancement Cell have put in commendable effort in drafting the Annual Report 2012-2013. In particular, work done by Ms. Faryal Shahabuddin (Manager IR/QEC), Ms. Hira Anwar (Assistant Manager IR/QEC), and most importantly Ms. Mahwash Imran (Institutional Research Officer) is highly appreciated.

Chancellor's Message



Being the Chancellor of such a growth-oriented Institute and a hardworking faculty and staff makes me proud and optimistic about a brighter and more educated future of Pakistan. The progress Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST) has made over the past two decades is evident from the efforts stated in the SZABIST Trust Annual Report 2012-2013.

Year by year, SZABIST has converted into reality the dreams of Shaheed Mohtarma Benazir Bhutto, the Founding Chancellor, who envisaged a world class institute renowned for quality education and research. This document encompasses the various efforts and contributions of SZABIST Trust in the fields of education, research, training, and development.

The university campuses have shown satisfactory growth in admissions and enrollment. Many seminars, research conferences, workshops, and trainings have been successfully conducted during the year. In addition, the Montessori schools, IMCs and JSTCs have demonstrated the capacity for further

expansion for promoting education and skill development in remote areas.

The quality assurance measures undertaken by SZABIST Institutional Research Department/Quality Enhancement Cell (IR/QEC) have also greatly helped in identifying key issues that need to be worked upon to further enhance the standard of education being delivered in our institutions. The IR/QEC department of SZABIST was awarded above 90% rating by the Quality Assurance Agency, Higher Education Commission for excellent performance during the academic year 2012-2013. All this information makes me confident that SZABIST will continue to deliver quality education in the future and support the country's economic and social development in every possible way.

In conclusion, I would like to thank all members of the Board of Trustees, the Board of Governors, the Management, and the Faculty and Staff who have strengthened SZABIST's position in the education sector. This report gives me assurance that SZABIST will take advantage of opportunities to further spread education and train, polish, and nurture the skills of future leaders.

Dr. Azra Fazal Pechuho
Chancellor, SZABIST

Vice-Chairman and Treasurer's Message



The SZABIST Trust Annual report 2012-2013 reflects the dedication and hard work of the SZABIST network. Over the years, the Trust has expanded its educational wings considerably which is evident from the progress details stated in the document. To be part of such a quality driven commendable network has been an honour.

The report illustrates the achievements of SZABIST along with initiatives taken for maintaining good standard and high quality education. In addition, some of the steps taken to make education accessible to the deprived members of the society and contributions to the well-being of the community have been stated. Further, the continuous efforts in research and development for betterment of under-developed areas in Sindh are clearly depicted.

Furthermore, the establishment has observed a substantial growth in the number of applicants and admissions in the last decade. This is a clear indication SZABIST has become one of the premium choices of students who want to pursue superior quality of education. Moreover, to make education affordable to all, SZABIST offers scholarships to the needy and meritorious students, which enables deserving students to continue to excel academically. Last year, SZABIST made a noteworthy contribution of more than Rs. 112 million to almost 5,500 students. Benefits such as continuing education and financial support to children of employees have also been streamlined.

SZABIST has the potential of achieving great success and will become the best in every sphere of education in the coming years. I would like to congratulate Dr. Azra Fazal Pechuho, Honorable Chancellor and Members of the Board of Trustees, the Board of Governors, the Management, faculty, and talented students for a very successful year at SZABIST.

Aftab Shahban Mirani
Member of National Assembly (MNA)
Former Defence Minister of Pakistan
Former Chief Minister of Sindh

President's Message



Since its inception in 1995, SZABIST has developed into a successful educational network. Today, SZABIST has five university campuses (four in Pakistan and one in Dubai (UAE)), four Intermediate Colleges, four ZABTech units, and one Montessori and Pre-primary school. This apparent success in diversified expansion could not have been possible without the dedicated efforts of the Management and SZABIST's dedicated faculty, teachers, and staff.

During 2012-2013, Higher Education Commission (HEC), Pakistan rated SZABIST in the "W" category which is the highest rating category in Pakistan. This achievement is a clear indication that SZABIST has gained immense popularity amongst the education industry as a result of maintaining quality standards. Another achievement of SZABIST was its Institutional Research/Quality Enhancement Cell (IR/QEC) acquiring more than 90% in the quantitative assessment by Quality Assurance Agency (QAA) – HEC, Pakistan.

Furthermore, various programs of the institute acquired accreditation from National Business Education Accreditation Council (NBEAC) in the year. In addition, SZABIST is expecting accreditation of the Computing and Mechatronics programs by the Pakistan Engineering Council (PEC) in the upcoming year. These accomplishments have strengthened SZABIST's image and made it one of the leading institutes of higher education in the country.

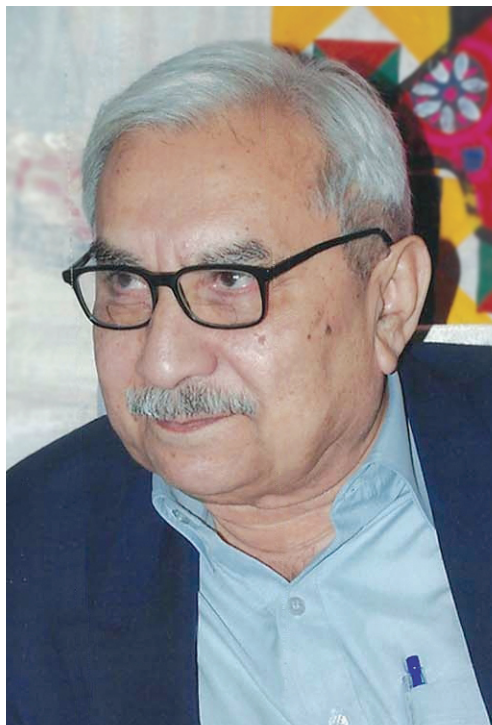
The SZABIST Trust Annual Report 2012-2013, highlights the continuous efforts and contributions made by SZABIST employees towards institutional progress. In addition, the report also documents increase in growth in admissions, scholarships, and the curricular and co-curricular activities that have occurred throughout the academic year. The report provides the Board of Trustees a comprehensive account of the progress over the past year. SZABIST has been utilizing all its resources to contribute substantially to the knowledge economy and development of Pakistan.

I would like to thank SZABIST Trust and IR/QEC in preparing such a comprehensive annual report. With this determination and dedication, I believe SZABIST will continue to impart quality education and contribute substantially to educational empowerment in the country.

Ms. Shahnaz Wazir Ali
Acting President,¹ SZABIST

1. Dr. Saqib Rizavi was associated with SZABIST till Fall 2013.

Secretary Board of Trustees' Message



It gives me great pleasure to see the progress and achievements made by SZABIST to become a distinguished world class educational institute within a short span of two decades. The academic standards of SZABIST have improved remarkably with time by continuous dedicated efforts of its educational network.

The success of the Management's efforts in achieving the Founding Chancellor's, Mohtarma Shaheed Benazir Bhutto, vision is evident from the increase in enrollments and students effective placements in renowned organizations.

The document depicts the performance and the achievements SZABIST made under the dynamic leadership of Honorable Chancellor, Dr. Azra Fazal Pechaho. The Institute provides students a platform, belonging to all sectors, to access affordable quality education along with the opportunity to avail scholarships based on merit and need. Further, to improve living conditions in undeveloped areas SZABIST has made huge investments to strengthen its research and development sectors. Moreover, the Institutional Research/Quality Enhancement Cell of SZABIST is

one of the best QECs in Pakistan and has acquired more than 90% score in Quantitative Assessment by Quality Assurance Agency (QAA), Higher Education Commission (HEC) Pakistan.

This year SZABIST has successfully launched a SZABIST Intermediate College (IMC) Tando Muhammad Khan (T.M.Khan). The purpose of establishing ZABTech ITVEs (Institute of Technical and Vocational Education), and Intermediate Colleges and schools is to make education available in remote areas. In the near future, the SZABIST Trust plans to increase its educational outreach in other parts of Pakistan.

I would like to thank the Chancellor, Acting President, Board of Trustees, Board of Governors, Management, Faculty, and staff for their determination and dedication. It is indeed an honor to be part of such a commendable educational network.

Dr. M. Suleman Shaikh
Secretary Board of Trustees

Board of Trustees

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Co-Chairperson/Chancellor

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Chairman, Higher Education Commission
(Ex-Officio)

Secretary, Education & Literacy Department
Government of Sindh
(Ex-Officio)

Vice-Chancellor, University of Sindh
(Ex-Officio)

Eng. Saindad Khan Solangi

A Brief Overview of the Activities of SZABIST Trust



1

CHAPTER

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.

1993

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.

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.

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.

1995

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.

1998

SZABIST Karachi Campus introduced BBA, Masters degrees and Doctorates in Management Sciences and Computer Sciences.

1999

BCS was launched at Karachi Campus.

2000

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. The SZABIST Islamabad Campus was established.

2001

Masters degrees and Doctorates in Social Sciences were introduced at Karachi

Campus.

A JSTC was set up in Nawabshah .

2002

The external LLB program of University of London (UoL) commenced studies at Karachi Campus.

2003

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.

2004

An Intermediate College (IMC) in Larkana was launched.

2005

BSMS program was launched at Karachi Campus.

IMCs in Nawabshah and Mirpurkhas were opened.

2007

Programs of BSSS and BABS were introduced at the Karachi Campus.

2008

Programs of MPM and PMBA were introduced at the Islamabad Campus.

2009

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).

Programs of MBI and MISNA were introduced at the Islamabad Campus.

2010

Further diversifying its portfolio, SZABIST offered BE in Mechatronics and MS in Media Studies at the Karachi Campus.

BS in Accounting and Finance, MS in Project Management, and Master in Human Resource Management were launched at the Islamabad Campus.

A JSTC was set up in Tando Mohammad Khan.

SZABIST opened a Montessori and Pre-Primary School in Larkana.

IR/QEC was established at Karachi Campus to maintain and monitor the quality of academic and non-academic departments of all the four campuses.

2011

BS in Biosciences and MBA Banking and Finance were launched at Karachi Campus.

The SZABIST Hyderabad Campus was established.

2012

Master of Advertising, Master in Project Management, and Master of TV Production were launched at Karachi Campus.

Diplomas in Disaster Risk Management, Contract Management, and Project Management were launched at Islamabad Campus.

Master of Science in Management Sciences was introduced at Dubai Campus.

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.

2013

Masters in Project Management was launched at Dubai Campus.

2. JSTCs were renamed to ZABTech (Institute of Technical and Vocational Education) in June 2013.
3. Nawabshah was renamed in 2008 as Shaheed Benazirabad in memory of Shaheed Mohtarma Benazir Bhutto.

SZABIST and its Subsidiaries

Table 1.1 : SZABIST Growth in Enrollment

S.No	Institutes/Schools & Colleges	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
		No. of Students					
1	Karachi Campus	1,650	1,865	2,048	2,816	3,416	3,282
2	Islamabad Campus	624	913	1,132	1,454	1,507	2,277
3	Larkana Campus	94	101	114	175	308	387
4	Hyderabad Campus	-	-	-	-	266	504
5	Dubai Campus	958	426	360	309	404	433
	University Campuses	3,326	3,305	3,654	4,754	5,901	6,883
6	Intermediate College Larkana	724	659	477	523	575	577
7	Intermediate College Benazirabad	78	277	256	279	278	167
8	Intermediate College Mirpurkhas	138	130	151	155	95	114
9	Intermediate College T. M. Khan	0	0	0	0	0	92
	Intermediate Colleges	940	1,066	884	957	948	950
10	ZABTech ITVE Hyderabad	215	388	365	759	1,115	883
11	ZABTech ITVE Larkana	175	195	243	619	804	796
12	ZABTech ITVE Benazirabad	236	278	198	644	679	384
13	ZABTech ITVE Tando M. Khan	-	-	150	360	345	416
	ZABTech ITVEs	626	861	956	2,382	2,943	2,479
14	Montessori School and Pre-Primary School	-	-	44	111	195	373
	Total	4,892	5,232	5,538	8,204	9,987	10,685

SZABIST Growth in Enrollment

Figure 1.1 : SZABIST Growth in Enrollment

