

ANNUAL REPORT 2013-2014

UNIVERSITY OF SINDH JAMSHORO



ANNUAL REPORT 2013-14

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CHAPTER-1: ACADEMIC ACTIVITIES

1.1 UNDERGRADUATE, POST GRADUATE PROGRAMS

The University of Sind offers 229 Academic programs through 57 teaching Institutes/ Departments/Centers which are functioning under 8 different faculties at the main campus along with 6 additional campuses at various locations across Sindh. Table 1.0 provides detailed list of academic programs being offered at the University of Sindh and Sub-Campuses.

Table 1.0: List of the academic programs being offered at the University of Sindh and Sub-Campuses

SINDH UNIVERSITY MAIN CAMPUS (Allama I.I Kazi Campus Jamshoro & Elsa Kazi Old Campus, Hyderabad)					
Sr.	Faculty	Institute/Department/ Centre	Academic programs offered	Duration	Credit Hours
1			Bachelor of Arts & Design	4 years	130
2		Institute of Arts &	Master of Arts in Fine Arts	2 years	66
3		Design	BA Pass Fine Arts Evening	2 years	72
4			MA in Art Education Evening	2 years	66
5			Diploma in Music & Performance Evening	1 year	34
6			BS English	4 years	133
7		Institute of English	Master of Arts in English	2 years	66
8		Language & Literature	Master of Arts in Language and Linguistics	2 years	66
9			MS/MPhil in English	2 years	66
10		Institute of Language &	Bachelor of Arts (Honors) in Arabic	3 years	96
11		Literature	Master of Arts (Honors) in Arabic	1 year	34
12			Master of Arts in Arabic	2 year	66
13			Bachelor of Arts (Honors) in Persian	3 year	96
14	Faculty of Arts		Master of Arts (Honors) in Persian	1 year	34
15			Master of Arts in Persian	2 years	66
16			M.Phil in Arabic	2 years	40
17			PhD in Arabic		
18		Department of	Bachelor of Arts (Honors) in Philosophy	3 years	96
19			Master of Arts in Philosophy	2 years	66
20		Department of Sindhi	Bachelor of Arts (Honors) in Sindhi	4 years	146
21			MS/M.Phil in Sindhi	2 years	40
22			Master of Arts (Pass) Sindhi	2 years	66
23			M.Phil in Sindhi	2 years	40
24			PhD in Sindhi	3 years	18
25		Department of Urdu	Bachelor of Arts (Honors) in Urdu	3 years	96
26			Master of Arts (Honors) in Urdu	1 year	34
27			Master of Arts in Urdu:	2 years	68
28			M.Phil in Urdu	2 years	40
29			Ph.D. in Urdu Litature	3 years	
30	Faculty of Education	1. Curriculum Development & Special Education. 2. Distance,	B.Ed and M.A Education, Previous Methods of Teaching/ Techniques + Internship	1 year	6 + 2

31		Continuing and Computer Education.	M.Ed and M.A Final in Education + Field work	1 year	12+ 6
32			B.Ed (Hons)	4 years	136
33		3. Education	B.Ed and M.A Education, Previous,	1 year	42
34		4. Educational Management and Supervision	(Morning & Evening) M.Ed and M.A Final in Education (Morning & Evening)	1 year	24
35		5. Psychological Testing Guidance & Research	M.Phil in Education	2 years	40
36		6. Science and Technical Education.	PhD in Education	3 years	18
37		Department of Comparative Religion & Islamic Culture	Bachelor of Arts (Honors) in Islamic Culture:	3 year2	96
38			Master of Arts (Honors) in Islamic Culture,	1 year	34
39			Bachelor of Arts (Honors) in Comparative Religion	3 years	96
40			Master of Arts (Hons) in Comparative Religion	1 year	34
41	Faculty of Islamic Studies		Master of Arts in Comparative Religion	2 years	66
42			M.Phil. in Islamic Culture	2 years	40
43		Department of Muslim History	Bachelor of Arts (Honors) in Muslim History:	3 years	96
44			Master of Arts (Honors) in Muslim History:	1 year	34
45			M.A. in Muslim History:	2 years	66
46		Sindh Development Studies Centre	BS in Rural Development: Program	4 years	143
47			M SC. IN DEVELOPMENT STUDIES	2 YEARS	60
48			M. SC. IN RURAL DEVELOPMENT DISTANCE LEARNING PROGRAM	2 years	66
49			M.Phil. in Development Studies	2 years	40
50			Ph.D in Sindh Development Studies	3 years	18
51		Far East South East Asia Area Study Center	M.Phil in Far East South East Asia Area	2 years	40
52	Faculty of Social Sciences	Center for Rural Development Communication	M.Sc in Strategic Communication	2 years	60
53			Professional Diploma in Health Communication	1 semester	16
54			Professional Diploma in Rural Development	1 semester	16
55		Pakistan Study Center	M.A in Pakistan Studies	2 years	80
56			M.Phil Pakistan Studies	2 years	18
57		Institute of Gender Studies	BS in Gender Studies	4 years	135
58			M.SC. HOME ECONOMICS:	2 YEARS	66
59			M.A. WOMEN DEVELOPMENT STUDIES:	2 YEARS	66
60			POSTGRADUATE DIPLOMA IN COMMUNITY DEVELOPMENT	1 YEAR	34

61	Department of Economics	BS IN ECONOMICS	4 YEARS	147
62		M.A. IN ECONOMICS:	2 YEARS	66
63		MS/M.PHIL IN ECONOMICS	2 YEARS	40
64	Department of General History	BS IN GENERAL HISTORY	4 YEARS	133
65		M.A. IN GENERAL HISTORY-	2 YEARS	66
66		M.PHIL GENERAL HISTORY	2 YEARS	40
67	Department of International Relations	BS in International Relations:	4 years	133
68		Master of Arts in International Relations:	2 years	66
69		MS/M.Phil International Relations	2 years	40
70		Ph.D International Relations	3 years	18
71	Department of Library & Information Science & Archive Studies	BS Library & Info Science	4 years	131
72		POST GRADUATE DIPLOMA IN LIBRARY & INFORMATION SCIENCE	1 YEAR	30
73		MASTER OF LIBRARY & INFORMATION SCIENCE	1 YEAR	30
74		MS/M.PHIL IN LIBRARY AND INFORMATION SCIENCE	2 YEARS	40
75		PH.D LIBRARY INFORMATION SCIENCE	3 YEARS	18
76	Department of Media and Communication Studies	B.S in Media & Communication Studies:	4-Year	136
77		Master of Arts in Media & Communication Studies:	2 years	66
78	Department of Political Science	BS IN POLITICAL SCIENCE	4 YEARS	147
79		M.A. IN POLITICAL SCIENCE:	2 YEARS	66
80		MS/M.PHIL IN POLITICAL SCIENCE	2 YEARS	40
81	Department of Psychology	BS in Psychology	4 years	130
82		M.A./ M.SC. PSYCHOLOGY	2 YEARS	66
83		MS/M.PHIL PSYCHOLOGY	2 YEARS	40
84		PH.D PSYCHOLOGY	3 YEARS	18
85	Department of Public Administration	Bachelor in Public Administrations Morning & Evening	4 years	147
86		Master of Public Administration (Pass) Morning & Evening	2 years	78
87		MS/M.Phil in Public Administration	2 years	40
88		Ph.D in Public Administration	3 years	18
89	Department of Sociology	BS in Sociology: Program	4 years	147
90		Master of Arts in Sociology	2 years	66
91		MS/M. Phil in Sociology	2 years	40
92		Ph.D Sociology	3 years	18
93	Department of Social Work	BS IN SOCIAL WORK:	4 YEARS	147
94		M.A. Social Work	2 years	66
95	Department of Criminology	BS Criminology	4 years	142
96		M.Sc. Criminology	2 years	48

97		<ul style="list-style-type: none"> • Pharmaceutics • Pharmaceutical Chemistry • Pharmacology • Pharmacognosy 	Doctor of Pharmacy (Pharm. D) (Morning & Evening)	Evening program 5 years	202
	Faculty of Pharmacy				
98		Department of	M.Phil in Pharmaceutics	2 years	40
99		Pharmaceutics	Ph.D Pharmaceutics	3 years	18
100		Department of	M.Phil in Pharmacology	2 years	40
		Pharmacology			
101		Department of	M.Phil in Pharmaceutical Chemistry	2 years	40
102		Pharmaceutical Chemistry	Ph.D Pharmaceutical Chemistry	23 years	18
103		Centre for Physical Education and Sports Sciences	Bachelor of Science in Health & Physical Education:	4 years	130
104			Bachelor of Physical Education, Health & Sport Sciences BPEHSS Evening	1 year	62
105			Master of Physical Education, Health & Sports Science MPEHSS Evening	1 year	54
106			M.Phil in Physical Education	2 years	40
107		Centre for Environmental Sciences	Master of Science in Environmental Science:	2 years	72
108			M.Phil. in Environmental Sciences:	2 years	40
109		Centre for Pure & Applied Geology	BS. Geology:	4 years	136
110			MS/M.Phil. in Petroleum Geosciences	2 years	40
111			MS/M.Phil in in Geology	2 years	40
112			PhD in Geology	3 years	18
113		National Center of Excellence in Analytical Chemistry	MS/M.Phil in Analytical Chemistry	2 years	40
114	Faculty of Natural Sciences		Ph.D in Analytical Chemistry	3 years	18
115		Institute of Biochemistry	BS. Biochemistry:	4 years	136
116			MASTER OF SCIENCE IN BIOCHEMISTRY:	2 YEARS	66
117			M.PHIL IN BIOCHEMISTRY	2 YEARS	40
118			PH.D IN BIOCHEMISTRY	3 YEARS	18
119		Institute of Biotechnology & Genetic Engineering	BS Genetics:	4 years	135
120			Master of Science in Biotechnology:	2 years	66
121			MS/M.Phil in Biotechnology	2 years	40
122		Dr. M.A. Kazi Institute of Chemistry	B.S. Chemistry:	4 years	136
123			M.Sc. Chemistry-	2 years	66
124			MS/M.Phil in Analytical Chemistry	2 years	40
125			MS/M.Phil in Inorganic Chemistry	2 years	40
126			MS/M.Phil in Organic Chemistry	2 years	40
127			MS/M.Phil in Physical Chemistry	2 years	40
128			Ph.D in Analytical Chemistry	3 years	18
129			Ph.D in Inorganic Chemistry	3 years	18
130			Ph.D in Organic Chemistry	3 years	18
131			Ph.D in Physical Chemistry	3 years	18
132		Institute of Information	BS in Information Technology	4 years	144

	and Communication Technology		Morning and Evening Program	
133		BS in Software Engineering	4 years	144
			Morning and Evening Program	
134		BS in Telecommunication	4 years	142
135		BS in Electronics	4 years	144
136		MSc in Electronic Commerce	1 years	35
137		Master of Information Technology (MIT)	2 years	60
138		MSc in Multimedia Technology	1 years	35
139		MSc Telemedicine and e-Health	2-Year	40
			Evening Program	
140		Postgraduate Diploma in Information Technology	1-year	40
141		MS/M.Phil in Information Technology	2 years	40
142		MS/M.Phil in Telecommunication	2 years	40
143		PhD Information Technology	3 years	18
144	Institute of Mathematics & Computer Science	BS (Computer Science) Morning & Evening	4 years	132
145		Master of Computer Science	2 years	60
146		MSc. Computer Science	2 years	72
147		B.S. (Mathematics)	4 years	146
148		M.A./ M.Sc. in Mathematics:	2 years	68
149		MS/M.Phil in Computer Science	2 years	40
150		Ph.D Computer Science	3 years	18
151		Ph.D Mathematics	3 years	18
152	Bioinformatics Program	MS/M.Phil in Bioinformatics	2 years	16
153	Institute of Advanced Research Studies in Chemical Sciences	MS/M.Phil in Chemical Sciences	2 years	40
154		Ph.D in Chemical Sciences	3 years	18
155	Institute of Physics	BS. Physics	4 years	146
156		M.Sc. Physics	2 years	74
157		MS/M.Phil in Physics	2 years	40
158		Ph.D Physics	3 years	18
159	Institute of Plant Sciences	BS. (Botany)	4 years	134
160		BS (Forestry) Evening	4 years	146
161		PGD in Medicinal Plants	1 year	30
162		Master of Science in Botany	2 years	72
163		MS/M.Phil in Plant Sciences	2 years	40
164		Ph.D in Plant Sciences	3 years	18
165	Department of Anthropology & Archeology	BS. Anthropology & Archaeology	4 years	136

166		Department of Freshwater Biology & Fisheries	BS (Fresh Water Biology & Fisheries)	4 years	146
167			M.Sc. Fresh Water Biology & Fisheries	2 years	66
168			MS/M.Phil in Fresh Water Biology and Fisheries	2 years	40
169			Ph.D	3 years	18
170		Department of Geography	BS. Geography:	4 years	134
171			M.Sc. Geography:	2 years	66
172		Department of Microbiology	BS. Microbiology:	4 years	146
173			MS/ MPhil	2 years	40
174		Department of Physiology	BS Physiology	4 years	136
175			M.Sc. Physiology	2 years	60
176			MS./ M.PHIL. IN PHYSIOLOGY	2 years	40
177		Department of Statistics	BS. Statistics:	4 years	136
178			M.Sc. Statistics:	2 years	66
179			M.Phil in Statistics	2 years	40
180			Ph.D in Statistics	3 years	18
181		Department of Zoology	BS Zoology	4 years	133
182			MSc Zoology	2 years	66
183			MS/M.Phil in Zoology	2 years	24
184		Institute of Commerce	B.Com. (Hons). (8- semester) Program Regular & Eve	4 years	136
185			Master of Commerce: M.Com.	2 years	60
186			MS/M.Phil in Commerce:	2 years	40
187			PhD in Commerce		
188	Faculty of Commerce & Business Administration	Institute of Business Administration	Bachelor of Business Administration (BBA)	4 years	134
189			Master of Business Administration for Hons	1 year	34
190			M.B.A.	2 years	72
191			M.B.A.	(Evening 3 years) 2-year Program	69
192	Faculty of Law	Institute of Law	M.Phil in Business Administration	2 years	40
193			Law Degree (D. Juris)	5 years	168
194			L.L.M. (Evening)	2 years	
SINDH UNIVERSITY CAMPUS BADIN					
195		Business Administration	BBA (Hons)	4 years	134
196			MBA Evening	2 years	69

197	Commerce	BS. Commerce (Hons)	4 years	136
198	Computer Science	BS Computer Science	4 years	132
199		PG-Diploma	1 year	40
200	Education	B.Ed	1 year	42
201		M.Ed	1 year	24
SINDH UNIVERSITY CAMPUS MIRPURKHAS				
202	Business Administration	BBA	4 years	136
203	Computer Science	BS Computer Science	4 years	132
204	Commerce	BCom	4 years	136
205	Geology	BS Geology	4 years	136
206	Information Technology	BSIT	4 years	144
SINDH UNIVERSITY CAMPUS DADU				
207	Business Administration	BBA	4 years	136
208		MBA	2 years	72
209		MBA Evening	3 years	69
210	Information Technology	BSIT	4 years	144
211	English	BS English	4 years	133
212		MA English Evening	2 years	66
SINDH UNIVERSITY CAMPUS THATA				
213	Business Administration	BBA	4 years	136
214		MBA	2 years	72
215	Computer Science	BS Computer Science	4 years	132
216	English	BS English	4 years	133
217	Coastal Zone Management	Masters	NA	NA
SINDH UNIVERSITY CAMPUS LARKANA				
218	Business Administration	BBA	4 years	136
219		MBA Evening	2 years	69
220	Computer Science	BS Computer Science	4 years	132
221	English	BS English	4 years	133
222	Textile Design	BA Textile Design	4 years	146
SINDH UNIVERSITY CAMPUS BHITSHAH				
223	Religious Harmony & tolerance: role of sufism	certificate course	3 months	
224	Functional english	certificate course	3 months	
225	BASIC COMPUTER SCIENCE	certificate course	3 months	
226	Master Degree Program in Sufism and Peace	MA Sufism and Peace	2 years	66
227	Master Degree Program in English	MA English	2 years	66
228	Master Degree Program in Political Science	MA in Political Science	2 years	66
229	BS-4 Year Program in Business Administration	BBA	4 years	136

1.4 FOREIGN ACADEMIC LINKAGES

The University of Sindh has twenty (20) Foreign Academic Linkages with World's renowned Universities detailed in the table below:

S. No.	Name of International Collaboration/exchange Programme/Project	University/Organization/Agency with whom collaboration /Exchange program held	Country	Date	Duration
1	Letter of Intent	Department of Chemistry Faculty of Science, Necemettin Erbakan, Universitesi, Konya, Turkey and NCEAC University of Sindh	Turkey	3.12.2013	5 years
2	Memorandum of Understating	The Research Institute of Food Science and Technology (RIFST), I.R of Iran and NCEAC University of Sindh	Iran	4.12.2013	5 years
3	Academic Linkage Agreement	Sias International University China	China	25.09.2013	5 years
4	Academic Linkage Agreement	ZIBO Technician College, Republic of China	China	28.09.2013	5 years
5	Academic Linkage Agreement	Zebo Vocational Institute, Republic of China	China	28.09.2013	5 years
6	Memorandum of Understating	Department of Analytical Chemistry Faculty of Science Charles University in Prague, Czech Republic and NCEAC University of Sindh	Czech Republic	12th Dec 2011	5 years
7	Memorandum of Understating	Greenwich University, Karachi	Karachi	4.08.2014	5 years

1.5 Honours and Awards

Name of Faculty Members	Title of award	Date Award conferred	Award Type (National of International)
Prof. Dr. Nasreen Memon	Best National Female Teacher at University Level	5 th April 2014	Federal Ministry of Education, Government of Pakistan

CHAPTER-2 RESEARCH AND DEVELOPMENT

2.1 R&D AN OVERVIEW

2.2 PROJECTS:

2.2.1 COMPLETED

- Strengthening the capacity of Institute of Women/Gender Studies University of Sindh, **Fuded by; USAID, in collaboration with Aurat foundation, GEP Pakistan in 2014 at Institute of Gender Studies**
- Project NO: ASV/ARV Res-104/2014, Fractionation, Filtration, Purification and protein profile of antibodies from Immunized Horse Serum / Plasma for Quality Control in ASV Production(as a Principal Investigator) funded by Health Department, Govt. of Sindh in 2014 (1.26 Million) at Institute of Biochemistry

2.2.2 NEWLY LAUNCHED

2.3 PUBLICATIONS

There are 291 Research Publications of the University of Sindh in HEC Recognized Journals during 2013 and 2014 listed below:

1. Pak-Japan Relations: A multidimensional engagement" Asia Pacific: Journal of Far East and South East Asia, University of Sindh, Jamshoro, Volume 31, 2013. Ms. Ishrat Afshan Abbasi (Assistant Professor)
2. Usage of sugar cane bagasse as an energy source for the production of lipase by *Aspergillus fumigates* S.Habib A. Naqvi, M. Uma Dahot, M. Yakoub Khan. J.H.Xu and M.Rafiq. Pak. J. Bot. 45(1): Pp 279-284, 2013.
3. A CASE STUDY ON PHARMACOVIGILANCE AND PRESCRIBING TREND OF ANTIHYPER'TENSIVE THERAPY IN GOVERNMENT HOSPITAL, OF HYDERABAD, PAKISTAN 2277-4998 IJPAS 2013 December, 2013, 2(12): 2449 -2459+ ARAIN MI , GHOTO MA, DAYO AI, SIYAL, FJ, MEMON N, AHMED S, IRFAN R' AND QURESH A'
4. A Comprehensive Infrastructure of Constraint Optimizer in Dynamic Web Service Composition Sindh Univ. Res. Jour. (Sci. Ser.) Vol.45 (2) 229-232 (2013 N.CHANNA++, K. T.PATHAN*, I. A. KOREJO**,N.H. ARIJO*
5. A Conceptual Framework for ERP Evaluation in Higher Educational Institutes of Pakistan Sindh Univ. Res. Jour. (Sci. Ser.) Vol.45 (3)596-607(2013 SEHRISHNIZAMANI, KHALIL KHOUMBATI, IMDAD ALI ISMAILI, SAADNIZAMANI
6. A highly efficient p-tert-butylcalix[8]arene-based modified silica for the removal of Hexachlorocyclohexane isomers from aqueous media, Sibghatullah Memon Shahabuddin Memon, Najma Memon, Desalination and Water Treatment, (2013) 1-11. DOI: 10.1080/19443994.2013.794710. Published online: 24 May 2013. View
7. A New Species Of Genus *Callogryllu* Sjostedt (Gryllidae: Orthoptera) From Sindh, Pakistan Sindh Univ. Res. Jour. (Sci. Ser.) Vol.45 (2) 289-290(2013 S.MALIK++,N.M.SOOMRO, T.J.URSANI++, N.BALOCH,M.S.WAGAN

8. --A Newiterative Integrator for Cauchy Problems Sindh Univ. Res. Jour. (Sci. Ser.) Vol.45 (3) 628-633(2013) SANIA QURESHI, ASIF ALI SHAIKH, AND MUHAMMAD SALEEM CHANDIO
9. A Novel Mesh adaptation Technique for the computation of Stereo Depth Using Texture less Simple Stereo Pairs Sindh Univ. Res. Jour. (Sci. Ser.) Vol.45 (4) 737-742(2013) K.B.AMUR, M. S. CHANDIO*, E. AL
10. A potentiometric immunosensor based on silver nanoparticles decorated ZnO nanotubes, for the selective detection of d-dimer Sensors and actuators. B, Chemical, 2013, 182, 104-111. Zafar Hussain Ibupoto, N Jamal, K Khun, Xianjie Liu and Magnus Willander
11. A Selective Iodide Ion Sensor Electrode Based on Functionalized ZnO Nanotubes Sensors, 2013, 13(2), 1984-1997. Zafar Hussain Ibupoto, Kimpleang Khun and Magnus Willander
12. A Weighted Edge Clique Problem Sindh Univ. Res. Jour. (Sci. Ser.) Vol.45 (2) 393-398(2013) Z. U. A.KHUHRO++, K.MEMON, F. N. MEMON, A. K. SOOMRO
13. Acid throwing on women in Pakistan published in. Grassroots biannual research Journal Pakistan Study Center Vol: No: XLV June 2012 University of Sindh, Allama II Qazi Campus Jamshoro.
14. age and growth study of Fresh water shark, Wallago attu (Bloch and Schneider) from Manchar Lake, District Jamshoro, Sindh, Pakistan Sindh Univ. Res. Jour. (Sci. Ser.) Vol.45 (2) 411-416(2013) G. M. WADHAR, N.T. NAREJO++, G. M. MAHAR, B. A. DARS*
15. Age factor and Technology acceptance Behaviour of Academics in Pakistan Sindh Univ. Res. Jour. (Sci. Ser.) Vol.45 (1):183-192(2013) M. S. ABBASI++, F. SHAH, S. M. DOUDPOTA**, N. CHANNA*, J. AHMED**
16. Al Hania w RishvatiaPakistan Journal of Islamic Research (PJIR) ISSN 2070-0326 V No 11 By Bahauddin Zakaria University Multan, Dec 2013
17. An Adaptive control for Tikhonov Regularization on Unstructured Grid for A Variational Denoising Problem Sindh Univ. Res. Jour. (Sci. Ser.) Vol. 45 (3) 553-558 (2013) K.B.AMUR++, S.F.SHAH*, A.A. SHEIKH**
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283. Versatile Ultra High Vacuum System for ION Trap Experiments: Design and Implementation Altaf H. Nizamani 1 , Muhammad A. Rind 1 , Nek Muhammad Shaikh 1 , Akhtar H. Moghal 1 , Hussain Saleem 2 1 Institute of Physics, U niversity of Sindh, Jamshoro, 76080, Pakistan 2 Department of Computer Science, University of Karachi, Karachi, 75270, Pakistan E mail : altaf_nizamani@yahoo.com , mar09r@ecs.soton.ac.uk, neksheikh@yahoo.com, akhtar.mughal@usindh.edu.pk, hussainsaleem@uok.edu.pk International Journal of Advancements in Research & Technology , Vo l ume 2 , Issue 5 , Ma y- 201 3 502 ISSN 2278 - 7763
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2.4 CONFERENCES, SEMINARS AND WORKSHOPS ETC

- Prof. Dr. Hamadullah Kakepoto, Director Area Study Centre attended International Conference on "Migration Education and Development in South Asia" at Quaid-i-Azam University Islamabad, March 27-28, 2014, organized in collaboration with Higher Education Commission, Islamabad, British Council and University of Sussex, UK.
- Altaf,S. presented his paper at the Access Teachers' Conferencs –Best Practices in Access Classrooms-Karachi on Impact of Classroom Activities on English Language Learning' at Karachi,Pakistan, 19 Apri12014.
- Bughio, Faraz attended, "Communication Skills-Writing Skills", "Liaquat University of Medical and Health Science, Jamshoro' on 2014
- Najma Gopang Attended **ne day** international conference on "living to gather in peace and Harmony" 28th January 2014at University of Karachi Campus. Organized by
- -- Attended **one Day** awareness walk on "World Cancer Day"6TH February, 2014. Organized by Pakistan Atomic Energy Commission Nuclear Institute of Medicine &Radiotherapy (NIMRA) Liquat University of Medical &Health Science (LUMHS) Jamshoro Sindh Pakistan.
- -- Attended one day Awareness walk and seminar on "WORLD CANCER DAY" on 6th February 2014 organizes by Pakistan Atomic Energy Commission Nuclear Institute of Medicine & Radiotherapy (NIMRA) Liaquat University of Medical and Health Sciences (LUMHS) Jamshoro Sindh Pakistan
- Sadaf Saed Attended one day Awareness walk and seminar on "WORLD CANCER DAY" on 6th February 2014 organizes by Pakistan Atomic Energy Commission Nuclear Institute of Medicine & Radiotherapy (NIMRA) Liaquat University of Medical and Health Sciences (LUMHS) Jamshoro Sindh Pakistan
- **Dr. Farah Naz Talpur** attended "3rd International Conference on Energy & Environment: Innovation, Research & Sustainability (ICEE'15)" from 12 - 14 March, 2015. The conference was organized by Energy & Environment Engineering Department, QUEST, Nawabshah, Pakistan.

ORGANIZING SEMINARS AND CONFERENCES

- Pakistan Study Centre organized One Day Seminar on Quantitative Research & Data Analysis at Pakistan Study Centre, Jamshoro held on 23.04.2014.
- The Department of Political Science organized one Day workshop on 'Research Methods' held on 29.04.2014

2.5 RESEARCH JOURNALS

The University of Sindh publishes 12 Research Journals in various Categories by various Institutes/ Centres/ Departments of the University.

- **SINDH UNIVERSITY RESEARCH JOURNAL (SCIENCE SERIES)**

Published regularly since 1964, disseminating essentially the research output of the Faculty of Natural Sciences, SURJ also accepts manuscripts from other authors in all disciplines of science. The Journal is supported financially by HEC Islamabad. The Journal is recognized by HEC as multidisciplinary Journal under category "Y". The Journal is free access Journal and publishes papers free of cost. On receipt and browse by the editor scientific sense the manuscript is issued an acknowledgement and sent for evaluation; as per remarks and recommendation of the evaluator the manuscript is revised and an acceptance letter is issued.

- **SINDH UNIVERSITY RESEARCH JOURNAL (SOCIAL SCIENCE SERIES)**

"Sindh University Research Journal of Social Sciences" is published annually by the office of the Dean, Faculty of Social Sciences, University of Sindh, Jamshoro. The major objective of bringing out this journal is to provide a forum for scholars engaged in the study of Social Sciences especially in the field of Criminology, Economics, History, International Relations, Mass Communication, Health and Physical Education, Library and Information Science, Political Science, Physiology, Public Administration/Management Science, Sociology, Social Work, Sindh Development Studies and Women Development Studies.

- **PAKISTAN JOURNAL OF ANALYTICAL & ENVIRONMENTAL CHEMISTRY**

Two issues of the Pakistan Journal of Analytical and Environmental Chemistry have been brought in time. The copies of the journal were issued to all Universities and R&D organizations in the country and few abroad. The journal has now been recognized by the Higher Education Commission.

- **PAKISTAN JOURNAL OF BIOTECHNOLOGY(WWW.PJBT.ORG)**

The Pakistan Journal of Biotechnology (PJBT), a broad-based journal, is introduced to publish the most exciting research in all areas of basic and applied biotechnology and related fields. The Journal welcomes the submission of manuscripts that meet the general criteria of significance and scientific excellence. The Pakistan Journal of Biotechnology(ISSN 1812-1837) is published bi-annually (one volume per year).

- **GRASSROOTS (PAKISTAN STUDY CENTRE)**

The journal *Grassroots* is recognized in 'Z category' by the Higher Education Commission of Pakistan (HEC) *Grassroots* is published regularly since 1977 and circulating fundamentally the research output of the Faculty of Social Sciences. *Grassroots* also accepts manuscripts from other scholars in all disciplines of social science to explore various aspects of the regional hues especially the distinctive features of the languages, literatures, social structure, customs attitudes and motivation, of the people of various regions of Pakistan for the munificence of the world community. The sole purpose is to disseminate the political, cultural, historical, geographical, socio-economic and allied aspects of Pakistan.

The journal is supported financially by Higher Education Commission, Islamabad. The journal is recognized by Higher Education Commission as a multidisciplinary journal under category 'Z'. The journal allows free access and publishes papers free of cost. The research papers are contributing almost entirely by the eminent scholars who have discussing in these articles some of the aspects of the research they engaging in.

On receipt and browse by the editor systematic sense the manuscript is issue an acknowledgment and sent for evaluation; as per remarks and recommendation of the evaluator the manuscript is revised and an acceptance letter is issued.

The journal publishes original papers, reviews, current research notes and short communications. Reviews are selected on invitation, incase and author wishes to write a review, he/she should contact the Editor and Co-Editor for consultation. All papers are subject to scanning anti-plagiarism through an authentically software 'Turnitin' of the University of Sindh and peer review by two (overseas and national) independent referees.

- **THE SHIELD (CENTRE FOR HEALTH & PHYSICAL EDUCATION)**

The HEC recognized Research Journal on Physical Education & Sport Sciences entitled The Shield is published annually by the Centre for Physical Education & Sport Sciences, functioning in the Faculty of Natural Sciences, University of Sindh, Jamshoro, Pakistan. The major objective of bringing out this journal is to provide a forum for the scholars engaged in the study of Physical Education & Sport Sciences, and the scholars of other faculties that relate their subject matter with this important discipline.

- **THE WOMEN : ANNUAL RESEARCH JOURNAL OF WOMEN STUDIES**

The main focus of the journal is to promote consciousness and awareness about gender equity and balance in human interaction including academic work. The Women Journal provides a forum for the presentation of scholarship and criticism about women and gender in the fields of literature, history, art, sociology, law, political science, economics, anthropology and the other sciences. The Women also publish research papers / review of books, film and theatrical performances / reports on national and international conferences, symposia and workshops etc. It has a highly qualified Advisory Board with strong commitment to gender issues, representing academics and research from around the world, including Pakistan.

- **KEENJHAR (DEPARTMENT OF SINDHI)**

Department of Sindhi has been publishing its annual research journal science 1962, with different names such as: Sindhi Saheefo, Sookhri, Saughat, Poorat, Parakh and Keenjhar. The last one is being published from 1987 till now. History of the Keenjhar Research Journal shows that its all editors were the scholars of high repute. Famous writers and research scholars have remained regular contributors of the journal. Hence it has gained significant importance in the filled of language and literary research. This journal is recognized by HEC under category 'Y'.

- **TAHQIQ (DEPARTMENT OF URDU)**

Sindh University's Urdu department is the pioneer when it comes to publishing a quality Urdu research journal. Its journal 'Tehqeeq', founded by Dr Najmul Islam, has now entered in its 25th year and it has come

up with a voluminous 'Maktoobaat number', presenting some rare letters written by literary celebrities. Dr Javed Iqbal as editor of the journal has been successfully maintaining the high standard set by Dr Najmul Islam.

Publication of research journals is a welcome sign as this does point to the flourishing research culture in the country, albeit some of the research papers published have been written just for the sake of fulfilling the promotion criteria. One hopes that with the passage of time the threshold for accepting the papers for publication by these journals would be raised a bit further.

- **INTERNATIONAL RESEARCH JOURNAL OF ARTS & HUMANITIES (IRJAH)**

The International Research Journal of Arts and Humanities (IRJAH) published by Faculty of Arts, University of Sindh. The researchers, scholars and experts in the field of Arts and Humanities are offered their services to work as an expert on Anthropology, Pakistan studies, Archeology Architecture, Art, Art History, English, Ethnic Studies, Dance, Film, Folk Lore, Geography, Geographic Design, History Landscape Architecture, Languages, Literature, Linguistics, Music, Performing Arts, Philosophy, Postcolonial Identities, Product Design, Religion, Second Language Studies, Speech/Communication, Theater, Visual Arts, other Areas of Arts and Humanities and cross disciplinary areas of the above related to each other.

Names of the experts will be incorporated in the Scientific Committee of the Research Journal.

- **SINDH UNIVERSITY RESEARCH JOURNAL (EDUCATION)**

The Faculty of Education, University of Sindh since its inception has been working for enhancing the quality of teacher education and research in diversified domains. One of the prime goals of Faculty of Education has been to develop and promote a research culture in the field of education. For achieving this goal, it had launched Sindh University Journal of Education in 1955, First in Pakistan, The journal provides academic and scholarly platform to the researchers and educators to come forward and contribute their valuable piece of research work. SUJE publishes original, conceptual and research based articles related to all major areas of education in general and teacher education in particular in Pakistan context.

The journal provides insightful explorations and innovations in education related principles and practices. The Journal, however, prefers to publish articles whose primary purpose is to report the methods and results of an empirical study. The key audiences of journal are teacher educators, policy makers, researchers, curriculum planners and managers at large.

The present issue of the journal is 44th since its launching. The journal abides by the set rules and regulations of Higher Education commission (HEC), Islamabad.

- **THE GOVERNMENT (POLITICAL SCIENCES)**

The Government offers an opportunity to the readers to be benefited from the advance knowledge and original research more frequently available to them. The collection of nine articles provides innovative research on variety of issues addressing Government, Media, History, Religion, National and International Politics.

The Government has always endeavored to maintain the high standard and proved to be an outstanding resource of publishing excellent quality research material. After getting included in EBSCO data-base, the

government has recently been included in IPSA database (International Political Science Abstracts) also published by Sage, and marketed by both EBSCO and Ovid.

We are obliged to our national and international peer reviewers for their unconditional support in bringing out this supplementary edition almost immediately after the Vol III. Last but not the least, we are grateful to our whole editorial board for their continuous help and support in accomplishing the task efficiently.

- Asia Pacific - Annual Research Journal of Far East & South East Asia

ASIA PACIFIC Research Journal of Far East & South East Asia is published annually by the Area Study Centre, Far East & South East Asia, University of Sindh, Jamshoro, Pakistan.

The major objective behind of bringing out this journal is to provide a forum for scholars engaged in the study of the Far East & South East Asia region, especially in the field of Politics, Economics, History and Sociology.

2.6 RESEARCH COLLABORATION

International Collaboration /exchange programs (outbound/inbound) for student (one month) for Faculty (15days)

Name of International Collaboration/exchange Programme/Project	In/outbound	Organization/Agency with whom collaboration /Exchange program held	Country	Date	Duration
Visits of Faculty and Students and Students Exchange programs	In/outbound	NIDA University, Bangkok, Thailand	Thailand	2013-14	
Visits of Faculty and Students and Students Exchange programs	In/outbound	National University of Malaysia	Malaysia	2013-14	
Letter of Intent	In/outbound	Universiti Teknologi Malaysia	Malaysia	2013-14	
Exchange of Faculty and students, Join Research Activities, Participation in seminars and workshop	In/outbound	Gediz University, Izmir, Turkey	Turkey	2013-14	
Exchange of Faculty and students, Join Research Activities, Participation in seminars and workshop	In/outbound	Erciyes University, Kayseri, Republic of Turkey	Turkey	2013-14	
Exchange of Faculty and	In/outbound	Idgir University Turkey	Turkey	2013-14	

students, Join Research Activities, Participation in seminars and workshop					
Exchange of Faculty and students, Join Research Activities, Participation in seminars and workshop	In/outbound	Sias International University China	China	2013-14	
Academic Linkage between University of Sindh and University of Essex, UK INSPIRE Strategic Partnership Program	The project will seek to introduce an effective and comprehensive professional development program for researchers in both institutes. Essex will help Sindh in the development of its infrastructure for technology transfer and research commercialization. Members of the Essex team will assist in conducting projects and workshops; leading to a detailed assessment of the gaps in Sindh's existing provision for research commercialization and professional development relevant for bioinformatics	University of Essex, UK	UK		
Academic Linkage between University of Sindh and Zibo Teachers' College, China	exchange of teachers and students besides visits of groups and exchange of printed material consisting of books, teaching references, scientific achievements etc	Zibo Teachers' College, China	China		Continue
Academic Linkage between University of Sindh and Jinan University, China	(a) Jinan University will send teachers and administrators to offer training classes at University of Sindh and vice versa; (b) The two sides will invite and send delegation of officials or faculty members for visits on short-term basis; (c) Exchange of curriculums	Jinan University, China	China		

	and teaching material will be carried out to promote mutual development; and (d) Jointly offered short-term classes at either campus will be practiced at opportune time agreed upon by two sides.				
National Testing Services MoUs		NTS Pakistan	Pakistan	28.5.2014	Continue
Educational Research and Technological Cooperation		RIFST Iran	Iran	2013-14	
Ogrenci Degisimi	Exchange Students			2013-14	
Mevlana Digisim	Exchange program			2013-14	
Letter of Intent	Collboration			2013-14	
MoU	MoU			2013-14	
Pakistan US Science & Technology Cooperation Program	Technology Cooperation			2013-14	

2.6.1 INDIGENOUS

2.6.2 FOREIGN LINKAGES

2.6.3 FUNDING GRANTS FOR P&D

2.6.4 OPERATION OF OFFICE OF RESEARCH, INNOVATION AND COMMERCIALIZATION (ORIC)

CHAPTER-3: QUALITY ASSURANCE

3.1 IMPACT OF QUALITY ASSURANCE IN THE UNIVERSITY

1.2 QUALITY ENHANCEMENT CELL

3.3 MEMBERSHIP OF ASSOCIATIONS/NETWORKS

3.4 ACCREDITATION OF PROGRAMMES FROM RELEVANT COUNCILS

The following Programs have been accredited by various Councils of the University of Sindh

S. No.	Name of Discipline	Date on which accreditation approved	Name of Accreditation Council	Validity date
2	B.Ed (one year)	7th June 2013	NACTE	Jan-7,2016
3	M.Ed (one year)	7th June 2013	NACTE	Jan-8,2016
4	B.Ed (Hons) 4 years	7th June 2013	NACTE	22-Apr-16

CHAPTER-4: FACULTY DEVELOPMENT

4.1 FACULTY DEVELOPMENT PROGRAMMES (MS/PHD LOCAL+FOREIGN)

Following is the List of scholars who were awarded foreign PhD scholarship and have joined their place of studies under the HEC scheme titled **“Strengthening of University of Sindh Jamshoro”**

S. No	Name	Dept/ Subject	University Placement	Relieving date	Remarks/joining date
1	Ms. Sarwat Nizamani, Asst Prof,	Computer Science	Southern University, Denmark	13/04/2010	24/04/2014
2	Mr. Mazhar Ali Abbasi, Lecturer	Physics	Linkoping University, Sweden	13 May 2010	25/03/2014
3	Mr. Shah Murad Chandio, Lecturer	IMCS	International Islamic University, Malaysia	28/8/2013	Expected joining date is 28/08/2017
4	Ms. Arjumand Bano, Lecturer	IICT	IU University, Malaysia	30/09/2013	Expected joining date is 30/09/2017
5	Ms. Fiza Qureshi, Lecturer	IBA	Malaya University, Malaysia	09/09/2013	Expected joining date is 09/09/2017
6	Syed Karim Bux Shah, Assistant Professor	IBA	Malaya University, Malaysia	13/9/2013	Expected joining date is 13/09/2017
7	Mr. Ameer Ali Buriro	Women Studies Center	Sains University, Malaysia	13/11/2013	Expected joining date is 13/11/2017
8	Mr. Muhammad Aqeel Bhutto	IBGT	Donghua University, China	30/8/2013	joined on 30/08/2016 with PHD degree
9	Mr. Abdul Rehman Kaloi	Islamic Studies Badin Campus	Mahidol University, Thailand	19/09/2013	Expected joining date is 19/09/2017
10	Mr. Shahid Ali Shaikh, Lecturer	Geology	Zhejiang University, China	30/09/2013	Expected joining date is 30/09/2017
11	Ms. Farheen Ashfaque, Lecturer	Mass Communication	Sarawak University, Malaysia	25/09/2013	Expected joining date is 25/09/2017
12	Mr. Muhammad Ramzan Pahore, Lecturer	Mass Communication	Putra University, Malaysia	19/12/2013	Expected joining date is 19/12/2017
13	Mr. Altaf Hussain Abro, Lecturer	Computer Science (Badin Campus)	Amsterdam University, Netherlands	11/11/2013	Expected joining date is 11/11/2017
14	Mr. Rashid Ali Khuhro, Lecturer	CRDC	Kabangsaan University, Malaysia	05/12/2013	Expected joining date is 05/12/2017
15	Mr. Abdul Rehman Nizamani, Lecturer	Lecturer, Department of Economics	Kabangsaan University, Malaysia	20/08/2013	Expected joining date is 21/10/2017
16	Mr. Syed Faisal	Lecturer,	Sains University,	12/11/2013	Expected joining date is

	Hyder shah, Lecturer	Social Work	Malaysia		12/11/2017
17	Mr. Pasand Ali, Lecturer	Lecturer, Sociology	Malaya University, Malaysia	11/11/2013	Expected joining date is 11/11/2017
18	Mr. Hameedullah Bhutto, Lecturer	IBGE	Prince Skonai, Thailand	24/11/2013	Expected joining date is 24/11/2017
19	Mr. Imran Suhrayani, Lecturer	Pharmacy	University of China, China	30/08/2013	Expected joining date is 30/08/2017
20	Mr. Atta Muhammad Samoo, Lecturer	Physiology	University of Oulu, Finland	12/3/2013	Expected joining date is 21/10/2017
21	Mr. Gulsher Laghari, Lecturer	IMCS	University of Antwerp, Belgium	26/5/2014	Expected joining date is 26/05/2018
22	Mr. Farooque Ahmed Laghari, Lecturer	International Relations	University Putra Malaysia	5/5/2014	Expected joining date is 05/05/2018
23	Mr. Ali Khan Ghumro, Assistant Professor	International Relations	University Kebangsaan, Malaysia	10th April 2014	Expected joining date is 10/04/2018
24	Mr. Mazhar Mustafa, Lecturer	Pharmacy	Northeast Normal University, China	11/9/2013	Joined back due to illness
25	Mr. Imran Ali Noonari, Lecturer	Lecturer, Political Science	Malaya University, Malaysia	He was issued final award letter on July 11, 2013	In process to proceed abroad

4.2 RETURNED SCHOLARS

4.3 PRESENT SCHOLARS

- 301 Candidates are registered in Ph.D program in various discipline in the academic year 2013-2014.
- 2294 candidates are registered in M.Phil program in various discipline in the academic year 2013-2014

4.4 PRE-SERVICE AND IN-SERVICE PROFESSIONAL DEVELOPMENT PROGRAMMES

4.5 ACHIEVEMENTS OF FOREIGN FACULTY

CHAPTER-5: ACCESS

5.1 BASIC ENROLMENT

The enrollment of the Main Campus in University is summarized as under.

Level of Education	Total Number of Applicant	Student Succeed in Getting Admisison
Bachelosr	10264	5951
Masters	2652	1856
MS / M.Phil 18 year Education	907	450
Ph.D	56	49
Total	13879	7495

5.2 EQUITY

Around 63% students are from rural quota and we preserve the right of education of every individual irrespective of caste, culture and creed.

5.3 GENDER-WISE DETAIL

The gender-wise and level-wise detail is given below:

5.4 EMPLOYABILITY

After earning the degree, the passed out candidates get deemed fit into their figured out departments i.e., Bureaucracy, NGOs, Private and Local institutions etc.

5.5 FACULTY-STUDENT RATIO

Considering the number of total faculty including contractual and visiting the faculty-student ratio is 1:37 in the University.

CHAPTER-6: UNIVERSITIES BUILDING ECONOMIES

6.1 UNIVERSITY INDUSTRY LINKAGE

The University has the following Industrial Linkages with various Development Programs and Trusts.

Serial No.	Name of the Industry	Title of collaboration/ research project etc. with business partners	Duration with Dates
7	Government of Sindh and Institute of Biochemistry, University of Sindh	Project NO: ASV/ARV Res-104/2014 Fractionation, Filtration, Purification and protein profile of antibodies from Immunized Horse Serum / Plasma for Quality Control in ASV Production (as a Principal Investigator)	15th April 2014

6.2 NEW INITIATIVES

6.3 TECHNOLOGY INCUBATION CENTRE

6.4 PATENTS

6.5 INTERNSHIP AND PLACEMENT OFFICE

6.6 STUDENT COUNSELING AND CAREER GUIDANCE

CHAPTER-7: STRENGTHENING PHYSICAL INFRASTRUCTURE

7.1 DEVELOPMENT PROJECTS (LABORATORIES, LIBRARIES, ETC.)

Institute of Biotechnology

Two Specializations are offered by the Institute of Biotechnology and Genetic and there are Six B.S / M.Sc Laboratories and Three research Laboratories. All the laboratories are adequately equipped. The list of some equipments / instruments is provided below:

1	Double Beam Spectrophotometer (Labomed, Inc) (Under HEC Project)
2	Refrigerated centrifuge (Gallenkamp)
3	Flame Photometer (Corning 400), which is non-functional due to non-availability of natural Gas
4	Spectrophotometer (Vis-7220) China made
5	Autoclave (china)
6	Gel Documentation (BIO-RAD)
7	Centrifuge machine (Kubota 8700)
8	Oven (Heraeus)
9	Shaking water incubator (Gallenkamp)
10	Incubator (Shanhghai YIHENG technical co, Ltd.)
11	Fraction collector (Pharmacia biotech, FRAC-100) under TWAS Project)
12	Rotatory evaporator (BIBBY RE 200)
13	Orbital Shaking Incubator Edmund Buhler, KL-2) (Gallenkamp)
14	Laminar inflow cabinet (local made)

Shortcomings:

Facing difficulty in adjusting new admitted students in recently introduced discipline BS Biotechnology and Building space is not sufficient for students admitted for three disciplines such as B.S Genetics, BS Biotechnology and M.Sc Biotechnology.

Institute lacking some of the essential instruments used in research due to which research is highly affected.

Seminar library needs renovation as per library criteria and needs extension to adjust number of students at a time.

Needs additional space to establish fully equipped computer Lab for researchers which fulfill the research criteria.

Department of Psychology

The department has the modern laboratory facilities to meet the academic requirement of students as well as the professional need of the teachers.

The laboratory is equipped with experimental facilities capable to satisfy the needs of postgraduate and under graduate studies.

Psychological Laboratory

In addition to class teaching students are trained in conducting experiments on different problems of psychology. For this purpose the laboratory is well equipped with the latest instruments.. It has got small room for conducting experiments and psychological tests in peaceful and calm conditions.

Psychological Testing Section

For the purpose of assessment of different cognitive and temperamental constructs and traits in a human personality, the Psychological Testing Cell has got more than 80 different tests. These tests are used by teachers and students for research, assessment, and diagnostic purposes. This section is well equipped with the latest electronic instruments for Test Administration, Scoring, and Data Analysis. People from outside can also benefit from the facility of being assessed. The facility of Data Analysis can also be provided.

Center for Pure & Applied Geology

The Centre for Pure and Applied Geology was established in March 2007. In view of the recommendations of National Conference held in 2005, the Higher Education Commission of Pakistan provided financial support to establish Advance Laboratories at the Centre. The inaugural ceremony of newly established laboratories was held on 19th April 2008. Following Lab facilities are presently available at the Centre.

Facilities for Geo-chemical Analysis

X-Ray Fluorescence Spectrometer (S4 Pioneer)

- Having SPECTRA^{Plus} software Package
This user-friendly software can control both the equipment as well as setting methods and parameters for analysis.
- Performs geochemical analysis of major, trace as well as rare earth elements.
- Can analyze every type of materials(e.g. soils, rocks, minerals, gemstones, metals, synthetics, oils etc) precisely and perfectly Sample preparation is very easy Auto sample-handler Sample magazine can accommodate sixty (60) samples at a time

Atomic Absorption Spectrometer

AAAnalyst 800 Atomic Absorption Spectrometer with automatic 8 lamp mount and Zeeman-THGA Background Correction-Graphite Furnace

- High light throughput, “real-time” double-beam optical system with a double-blazed grating monochromator for optimized performance over the entire AA wavelength range
- AutoPrep 50 automatic dilution system
- WinLab32 for AA software

Scanning Electron Microscope with EDS Dry Detector QUANTEX 200

- JSM 6490 LV
- Resolution; HVmode;3.0nm. LV mode; 4.0 nm.
- Magnification; X8 to X300,000
- Backscattered Electron Detector
- Low Vacuum Secondary Electron Detector
- Full automated Electron Gun
- LN2 free EDS provides powerful X-Ray mapping of spatial distribution of

Facilities for Hydrogeological and Geophysical Analysis*ABEM LUND Resistivity Imaging System*

- Ground water resource management
- Mapping and monitoring of contaminated ground water
- Geological Mapping
- Mapping/prospecting of natural resources
- Geothermal prospecting
- Sub-bottom mapping at sea and in lakes
- Depth to water can be determined
- Aquifer thickness can be measured
- Water quality can be estimated

12 Channel Seismograph Terraloc Mk6

- Wide range of sampling rates,
- Fast enough for crosshole
- On-site geophone and cable testing-Enhances in the field QC
- Real time noise monitoring, display as bar graphs or waterfall-Measure at optimum
- Wide choice of multi- or single trace view modes - Fast and detailed analysis

Ground Penetrating Radar (GPR)

- Depth to Bedrock
- Sand and Gravel Mapping
- Placer Mapping
- Groundwater/Aquifer Exploration
- Stratigraphic Mapping
- Mine Safety/Hazardous Fracture Zone Detection
- Underground mining mapping
- Deep bedrocks profiling
- Groundwater resources
- River & lake bottom profiling
- Features characterization
- Sedimentological studies
- Soil & aggregate mapping
- Karst mapping
-

Facilities for Sedimentological and Paleontological Analysis

- Grain Size Analysis
- Zoom stereo Microscopes with Computer Display
- Paleoenvironmental facies analysis
- Microfacies identification
- Foraminiferal and Mega Fossil Study

Facilities for Mineralogy and Petrography*XRD D8 ADVANCE X-Ray Diffractometer*

- Having DIFFRAC^{Plus} software Package
- User-friendly Software, controlling equipment as well as setting parameters for analysis
- Can analyze and identify every type of materials (e.g., Soils, rocks, minerals, gemstones, metals, synthetics etc) precisely and perfectly
- A huge data base covering every type of materials
- A fast pc based method of searching and matching of peaks for the identification of unknown minerals

Polarising Microscopes with Computer Display

Leica Fluorescence Microscope

Thin Section Preparation Unit

- Preparing Standard thin sections to precise thickness (0.03 mm.) is fast, simple and accurate with Compact 50 Precision Lapping Machine

Facilities for Geological Mapping and Digitizing

- Geological maps and satellite imageries of Pakistan
- Brunton Compasses and GPS
- Vehicles for field work (Toyota HILUX double cab, Land Rover, and Hyundai Shehzore).

Facilities for Computing and Geostatistical Analysis

- Workstation Servers
- Latest Laptop & Desktop Computers with LCD Monitors
- 42" Hp Color Plotter
- A0 size Color Scanner

- Color Laser Printer
- Global Positioning Systems (GPS)
- Surfer 8
- MapInfo Professional ver. 8.5
- RockWorks v2006
- RockWare StereoStat
- RockWare Igpert 2005
- MinPetVer.2.01
- ArcGIS 9
- Terra Sync Pro Edition
- Resix 2DI & Resix Plus

Department of Anthropology & Archaeology

1. BS Laboratory

Lab Title	BS I (Archaeology)
Location and Area	24x30=720 sqr.ft
Objectives	To train the students on various techniques/experiments of antiquity conservation mapping and drafting.
Adequacy for Instruction	Lab Instructor, Lab Assistant, Lab Attendant
Courses Taught	311
Major Glasswares	All basic glasswares are available
Major Apparatus	Balances, Chemicals drawing instrument and measuring apparatus.

Institute of Plant Sciences

There are five teaching laboratories for BS1 to 4 and M.Sc. prev and final. These teaching laboratories are also used as lecture rooms. All the laboratories are adequately equipped.

The Eight specializations are offered by the institute of Botany and each specialization have its own special labs, these labs are used by BS IV and M.Sc. Final students. These special discipline labs also used by M.Phil and Ph.D students because no separate labs for these researchers exist in institute. These labs are not properly equipped. One photographic lab is existing in the institute but about more than a decade ago the photographer working in the lab transferred as photostate machineman in dean office and no other person was appointed in photographic lab. This photographic lab is now almost destroyed and not in order.

HERBARIUM AND BOTANIC GARDEN.

The Institute of Botany has well maintained Herbarium having 10,000 specimen and Botanic Garden with good living collection having vast diversity of flowering plants including some Gymnosperms and Pteridophytes.

SCANNING ELECTRON MICROSCOPE FACILITY.

Hitachi: S – 2100 Scanning Electron Microscope is available for the micromorphological studies of plant organs specially pollen grains & seed surface pattern.

Shortcomings:

- a) Building space is not sufficient for students admitted. The underground portion of the building is filled with water due to seepage for the last 35 years. Perhaps this is the only building in the university which never got any extension but admissions increased many fold in the last half century.
- b) Institute lacking some of the basic instruments in special labs which cause hurdle for special practicals and research activities.
- c) Seminar library facing shortage of space and new editions and titles of books.
- d) Scan Electron Microscope need to be shifted in underground floor but it is not possible due to presence of water so it should be shifted at ground floor and its photographic system (which is outdated) should be replaced with digital system to put it in working order.
- e) Photographic lab provided with up-to-date digital photographic equipments attached with sophisticated Microscopes
- f) All labs need fire extinguisher apparatus in case of emergency.
- g) Fire-Alarm in the building
- h) Fuming Cupboards need repair.
- i) Growth chambers need repair.
- j) First Aid Facilities.

All students and faculty members have adequate access to manuals / documentation.

Each laboratory has laboratory attendant and assistant for support to students and faculty.

Shortcomings

- a) Technicians may be required for long –term maintenance of equipments.
- b) Appointment of an artist to prepare scientific illustrations as needed in different special and research disciplines.

Computer & Internet Facilities:

There is a computer laboratory with 6 PCs and internet facility. Apart from this PCs are provided to the professor in charge of the each special lab with Internet connection for their research students. A large number of international research journals are available on Digital Library provided by Higher Education Commission and research article of interest can be down loaded.

Facilities

The University of Sindh has adequate computer facilities / services and administrative staff to support its faculty, students and staff in their academic activities.

All internet problems are maintained and managed by Institute of Information and Communication Technology. Others than this there are more than 700 active users can excess LAN / WAN facility provided by IICT with 16 MB bandwidth (full duplex). This is however very inadequate and we are trying to upgrade it to 1 GB.

i. Multimedia:

In the institute there is two Multimedia Projector and three Over head projectors.

ii. University Website:

An information and dynamic website is designed, hosted at our registered domain URL address

<http://www.usindh.edu.pk>. All the information regarding new activities and examination results updated on daily basis.

Institute of Chemistry

Four Specializations are offered by the Institute of Chemistry and there are five teaching and five research Laboratories. In addition to this the Institute has a central research laboratory equipped by the help of HEC. All the laboratories are adequately equipped. The list of some of the equipment / instruments is provided below;

1	I.R Spectrophotometer (Pye Unicam SP 1000)
2	Deionizer (Elgastat B114)
3	Flame Photometer (Corning 400)
4	Spectrophotometer (Hitachi U-1100) (NRSDB)
5	Spectrophotometer (Shimadzu) UV-120-02
6	Spectronic 21 (Jurgens)
7	Refractometer (Hilger and Watts)
8	Spectronic (Hungry 2000)

9	Polarimeter (Erma)
10	Refractometer (Erma)
11	Vacuum pump (ME4R Membrane)
12	Fraction collector (Pharmacia biotech, FRAC-100)
13	Rotary evaporator (BIBBY RE 200)
14	Shaker (Edmund Buhler, KL-2)

Computer Facilities:

There is a computer laboratory with 10 PCs and internet facility.

Internet Facility:

The internet facility is available in laboratories, library and offices of teachers. A large number of international research journals are available on Digital Library provided by Higher Education Commission and research article of interest can be downloaded.

Department of Geography

Department of Geography has a GIS / Digital Cartography lab with internet connection.

This lab is insufficient for the students of geography since there are only 14 computers for 250 students.

Softwares Available

- o Arc View GIS
- o Global Mapper
- o Map Viewer
- o Macromedia Free Hand

The students study the Geographic Information System as an elective subject and Digital Cartography as a compulsory subject. For the study of these subjects the GIS lab is necessary.

Media Communication Studies

There are two laboratories in the department; in each lab 15 students can be accommodated at a time for practical work. Each student is provided with computer for practical work. All the laboratories are well equipped with computer and publications material. These labs are also used for internet facility. The faculty members have also have an access to this lab. One Sound-proof studio has been established to use for practical work for students

1. Print Media Lab

Lab Title	Print Media Lab for Newspaper Production and Magazines production
Location and Area	28x77=2156 sqr.ft
Objectives	To train the students on various techniques of Newspaper Production and Magazines
Adequacy for Instruction	Subject teacher, Lab Assistant, Lab Attendant
Courses Taught	MC 560
Major Apparatus	Computers and Printers

2. Electronic Media Labs

Lab Title	Electronic Media Labs
Location and Area	55X27=1485 Sq.ft
Objectives	To train the students on various techniques electronic media and also used for internet
Adequacy for Instruction	Subject Teacher, Lab Instructor, Lab Assistant, Lab Attendant
Courses Taught	
Major Apparatus	Apples' Editing suit and computers

3. ELECTRONIC MEDIA STUDIOS

Lab Title	Electronic Media Studios
Location and Area	55X27=1485 Sq.ft
Objectives	To train the students on various techniques electronic media and production
Adequacy for Instruction	Subject Teacher, Production Controller, Senior Cameraman,
Courses Taught	
Major Apparatus	Sound-Proof Studio, Latest editing equipment

Faculty of Pharmacy

INSTRUMENTS/EQUIPMENTS

1. Central Instrumental lab.:

i.	FTIR	01
ii.	Gas Chromatograph	01
iii.	HPLC	02
iv.	Double Beam Spectrometers	03
v.	Single Beam Spectrophotometers	01
vi.	Polarimeter	01
vii.	Refractometer	01

2. Pharmacology Instrumental Lab.:

i.	4-Channel Computerized data Recording system with accessories	03
ii.	Teaching Force Transducer (Single tissue Baths)	03
iii.	High grade Isotonic Transducer	04
iv.	Rodent Restainers	01
v.	BP Transducers	01
vi.	Animal Cage System	01
vii.	Metabolic Cage for rats	01
viii.	Accelerating Tota Rod for rats	01

3. Pharmaceutical/Industrial Lab.:

i.	Tablet Machine	01
ii.	Freeze Dryer	01
iii.	Autoclave	01
iv.	Incubator	01
v.	Laminar Flow Hood	01
vi.	Tablet Dissolution Tester	01
vii.	Tablet Disintegration tester	01
viii.	Tablet Hardness/Thickness tester	01
ix.	Flame photometer	01
x.	Ampoule sealing machine	01
xi.	Silverson Mixer	01

4. Pharmacognosy Lab.

i.	Fraction collector	01
ii.	Rotary evaporator	01

RESEARCH:

To explore the scope and achievements in research in medicine and to identify the ways and means for their optimal utilization in health promotion with focus on cure and prevention of disease this Faculty beside teaching is also involved in the research. At present the following few research projects are in progress.

1. Chemical and Biological Investigations/Screening of local medicinal plants.
2. Qualitative and Quantitative Analysis of Drugs.
3. Drug Delivery and development.
4. Bio-equivalence and Bioavailability

Institute of Physics**Equipment available for labs**

Course	Lab equipment	Computing equipment
1. Physics Methodology	Bar pendulum, Coulomb's law Experiment set, photo cell apparatus, Transistors, potentiometer lab, P.N Diode s/c, young modulus, Bar magnets, Resistance boxes (low and high) etc.	Nil
2. TSBD (Physics practical lessons)		

Department of Physiology

In Physiology department there are 05 laboratories for Major & Minor students, each lab can accommodate 50 students at a time for practical work. Recently a Molecular biology & cell tissue culture research lab has been established for advance research. All the laboratories are equipped with latest instruments/apparatus, glassware. One computer lab was also established having 06 computers with broadband internet facility for the students, researchers & faculty members.

1. BS-I Laboratory

Lab Title	BS I Physiology
Location and Area	40X25= 1000 Sq.ft
Objectives	To train the students on various techniques/experiments of Functional Anatomy & Physiology Major & Minor and Biology Compulsory.
Adequacy for Instruction	Lab Assistant, Lab Attendant
Courses Taught	301,311,321,313,323
Major Glasswares	All basic glasswares are available
Major Apparatus	Microscopes, Centrifuges machine, oven, pH meter, refrigerator

2. BS-II Laboratory

Lab Title	BS-II Physiology
Location and Area	39X25=975 Sq.ft
Objectives	To train the students on various techniques/ experiments Medical Physiology, General Physiology, Cell Biology and Biology Compulsory.
Adequacy for Instruction	Lab Assistant, Lab Attendant
Courses Taught	401,411,421,413,423
Major Glasswares	All basic glasswares are available
Major Apparatus	Kymographs, spectrometer, pH meter, oven & refrigerator.

3. BS-III Laboratory

Lab Title	BS III Lab Physiology
Location and Area	25X30=750 Sq.ft
Objectives	To train the students on various techniques/ experiments of Neurophysiology, Sensory Physiology, Molecular Genetics, Fundamentals of Pharmacology, Haematology, Cardiovascular system & Pulmonary system.
Adequacy for Instruction	Lab Assistant, Lab Attendant
Courses Taught	501,505,507,513,515,517
Major Glasswares	Basic glasswares are available

Major Apparatus	Video Microscope, UV/VIS Spectrophotometer, Blood Chemistry Analyzer, Microlab300, Blood Analyzer Incubator, Atomic absorption spectrophotometer.
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4. BS-IV Laboratory

Lab Title	BS -IV
Location and Area	20X25=500 sqr.ft
Objectives	To train the students on various techniques/experiments of Gastroentopancreatic system, Excretory system & acid base balance, Environmental Physiology, Patho-Physiology
Adequacy for Instruction	Lab Assistant, Lab Attendant
Courses Taught	601,603,613, 621
Major Glasswares	All basic glasswares available
Major Apparatus	Flame photometer, Oven, Refrigerator, Phase contrast Microscope, Spectrometers, balances, Blood Analyzer, Microtome.

5. Research Laboratory

Lab Title	Tissue Culture / Molecular Biology Lab
Location and Area	40X25=1000 sqr.ft
Objectives	Laboratory has been established for advance research on Tissue Culture / Molecular Biology.
Adequacy for Instruction	Lab Assistant, Lab Attendant
Major Glasswares	All basic glasswares available
Major Apparatus	Homogenizer, Centrifuge Machine, Refrigerated Centrifuge Machine, Thermomixer, Cryobath, Thermal Cyclor, PCR (polymerase chain reactor), UV/VIS Spectrophotometer Electrophoresis, UV lamp, Safety Cabinet (Class I), Safety Cabinet (Class II),.

DEPARTMENT OF POLITICAL SCIENCE

- To establish a computer lab in which 20 computers and split AC must be installed along with necessary equipment is needed to promote the research aura for faculty as well as students (Approval required) .
- Looking forward to determining the keen interest of the faculty and students towards the research activities; it is planned that a wireless internet facility may be provided in the Department so that we all get facilitated while sitting in the department's library area. (Funds will be required)
- The department needs some extra exclusive budget in order to arrange academic programs such as: ** Seminars, ** Workshops, ** Symposiums**Annual conferences.

CHAPTER-8: STRENGTHENING TECHNOLOGICAL INFRASTRUCTURE

There are adequate number of computers in the departments of the University for Students and Faculty use.

<i>For Students' Use</i>	
Number of computers for students use in the University? (Excluding Prime Minister and Chief Minister Laptop Schemes) @ Main Campus	1500
SU Badin Campus	53
SU Mirpurkhas Campus	35
SU Dadu Campus	45
SU Larkana Campus	24
SU Naushahro Feroz Campus	10
SU Bhitshah Campus	20
<i>For Faculty's Use</i>	
Number of computers for faculty use in the University? @ Main Campus	248
SU Badin Campus	7
SU Mirpurkhas Campus	15
SU Dadu Campus	9
SU Larkana Campus	7
SU Bhitshah Campus	5

8.1 LIBRARY

The University has Allam I.I Kazi Central Library besides various libraries in many departments, which provide all necessary syllabi books for the students.

<i>Main Campus and Sub-Campuses</i>	As on 30-06-2014
Number of Books available at each campus (Excluding electronic books). Allama I.I Kazi Central Library @ Main Campus –Purchased Books	328232
Allam I.I Kazi Central Library @ Main Campus –Gift Books	44690
Badin Campus	4215
Mirpurkhas Campus	1387
Dadu Campus	2780
Larkana Campus	197
Thatta Campus	109
Bhitshah Campus	171
Naushahro Feroz Campus	154

8.2 PERN

THE DETAILS ABOUT PERN BANDWIDTH IN THE UNIVERSITY

Sources	2012		2013	
	Bandwidth (In MBs)	%age Utilization	Bandwidth (In MBs)	%age Utilization
HEC PERN Bandwidth	48	80%	48	85%
Other ISPs	512	80%		

8.3 VIDEO CONFERENCING

The Video Conferencing Room situated at the office of the Dean, Faculty of Natural Sciences, is equipped with latest Sound system and Visual Aids and is comfortable and at a peaceful place. It has high quality lighting arrangements, stand-by generator and UPS system. Various Conferences, Training Workshops, Seminars and online Video Conferencing are done on regular basis.

8.4 CAMPUS MANAGEMENT SOLUTION

As an initiative to Management of Campus, Students' Attendance System has been developed and deployed among all departments of the University and attendance from every department can be checked on a local server system.

8.5 WEB PORTAL

The University of Sindh has its own Web Portal viz. usindh.edu.pk and Administered by the the Director, Institute of Information and Communication Technology.

8.6 DEVELOPMENT OF ONLINE ADMISSION SYSTEM

The online attendance system is under way for the convenience of the students and pay of fees online and through cell phones. In this regard, various meetings have been arranged with famous mobile companies and their proposals are under consideration.

CHAPTER-9: UNIVERSITIES BUILDING COMMUNITIES

9.1 UNIVERSITY COMMUNITY INTERACTION

CENTRE FOR PHYSICAL EDUCATION, HEALTH AND SPORTS SCIENCES

- Free sports coaching camps for the community people specially young generation
- The Incharge Director is member of Managing Committee of S.O.S Jamshoro Village at Sindh University Conlony Jamshoro

9.2 UNIVERSITY'S ROLE IN BUILDING COMMUNITY

From time to time there have been various Community outreach programs during the fiscal year 2014-15 list below:

CHAPTER-10: SPORTS

10.1 INTER-DEPARTMENTAL SPORTS

10.2 PARTICIPATION IN NATIONAL CHAMPIONSHIPS

10.3 ACHIEVEMENTS AT NATIONAL LEVEL

10.4 INCENTIVES AND HONORS/AWARDS FOR SPORTS PERSONS

CHAPTER-11: UNIVERSITIES BUILDING LEADERSHIP

11.1 FACULTY LEADERSHIP (AWARDS AND REPRESENTATION IN GOVT POLICY MAKING COMMITTEES, MEMBERSHIPS ON VARIOUS COUNCILS ETC)

PAKISTAN STUDY CENTRE

Dr. Shuja Ahmed Mahesar, Associate Professor is engaged in the government committees on various councils:

- Member, Board of Governors, Pakistan Study Centre, University of Karachi nominated by the Higher Education Commission, Islamabad
- Chairman, Provincial Curriculum Review Committee of Education and Literacy Department, Government of Sindh, Karachi for preparation of Secondary and Higher Secondary courses,
- Member, Scrutiny Committee of the Faculty of Social Sciences, University of Sindh, Jamshoro
- Convener, Peace Committee, Pakistan Study Centre, University of Sindh, Jamshoro from October 2012 to-date.
- Convener, Research and Publication Committee of Pakistan Study Centre, University of Sindh, Jamshoro from January 2010 to-date.
- Subject Expert at the Shah Abdul University, Khairpur and conducted a number of M.Phil and Ph.D scholars' Viva Voce Examinations.
- Member, Purchase Committee, Pakistan Study Centre, University of Sindh, Jamshoro
- Member of Syllabus Revising Committee
- Member of Monitoring and Evaluation Committee
- Member for Management of Library and Information Sciences
- Member of Royal Historical Society, London, UK
- Member of UNISON, UK
- Member of the Panel Supervisors for M.Phil., Ph.D scholar at Area Study Centre Far East & South East Asia, University of Sindh, Jamshoro

2. Dr. Farzana Baloch, Professor is engaged in government committees on various councils:

- Secretary, Board of Governors, Pakistan Study Centre, University of Sindh, Jamshoro March 2012 to-date.
- Member, Editorial Board Member of Annual Research Journal ASEAN of Area Study Centre Far East & South East Asia, University of Sindh from 2012 to-date.

- Member, National Curriculum Revision Committee [NCRC] in the discipline of Pakistan Studies by the Higher Education Commission, Islamabad from October 2012 to-date.
- Convener, Books Purchase Committee, Pakistan Study Centre, University of Sindh, Jamshoro from October 2010 to-date.
- Convener, Peace Committee, Pakistan Study Centre, University of Sindh, Jamshoro from October 2012 to-date.
- Convener, Selection Committee of Pakistan Study Centre, University of Sindh, Jamshoro from March 2012 to-date.
- Convener, Research and Publication Committee of Pakistan Study Centre, University of Sindh, Jamshoro from January 2010 to-date.
- Member, Purchase Committee [office stationary and other equipment's] of Pakistan Study Centre, University of Sindh, Jamshoro from July 2004 to August 2008 and then from January 2010 to-date.
- Member, Organizing Committee of "Annual Prize Distributions Ceremony" by the Bureau of Students Tutorial, Guidance/Counseling Services and Co-curricular Activities (STAGS), University of Sindh, Jamshoro from 2005 to-date.
- Coordinator, Allama Iqbal Open University, Regional Campus, Hyderabad.
- Coordinator, Population Department, Government of Sindh, Karachi
- Member, Scrutiny Committee, Faculty of Social Sciences, University of Sindh, Jamshoro.
- Member of the Panel Supervisors for M.Phil., Ph.D scholar at Area Study Centre Far East & South East Asia, University of Sindh, Jamshoro.
- Member of the Panel Supervisors for M.Phil., Ph.D scholar at Area Study Centre Far East & South East Asia, University of Sindh, Jamshoro

11.2 STUDENT LEADERSHIP (CO-CURRICULAR ACTIVITIES: UNIVERSITY DRAMAS, EXHIBITIONS, EXPOS, COMPETITIONS, DEBATES AT NATIONAL AND INTERNATIONAL LEVELS)

The following co-curricular activities have been arranged every year by various departments in the University.

- Inter- Department
- Debates/Declamation Contests
- Quiz
- Essay Competition
- Naat
- Qirat
- Music Competition
- Fun Fair
- Cultural Show
- Entertainment activities

- Picnic-cum- Cultural Tours

Besides the above activities following programs held in various department/ centre of the University.

PAKISTAN STUDY CENTRE

The Pakistan Study Centre, University of Sindh, Jamshoro organized and celebrated 23rd March in which students have participated in dramas, competitions and debates etc.

DEPARTMENT OF POLITICAL SCIENCE

Students participated in Fun mania fair organised by Public Administration on March 24-25, 2014 and department stood First in the two-day activity.

CHAPTER-12: FINANCE

12.1 ANNUAL STATEMENT OF ACCOUNTS

PAKISTAN STUDY CENTRE

	Year	2012-2013	2013-2014
Amount Released by HEC	HEC		Rs.27450000/-
	Other own Source		Rs.01402942/-
Amount Utilized	Year		2013-2014
	HEC		Rs.25506696/-

12.2 FINANCIAL YEAR AT A GLANCE

12.3 AUDIT REPORT

12.4 DEVELOPMENT BUDGET

12.5 RECURRING BUDGET

12.6 SELF-GENERATED INCOME

12.7 SAP RELATED ACTIVITIES

12.8 TREND OF PER STUDENT SPENDING

CHAPTER-1 3: UNIVERSITY GOVERNANCE

- Senate
- Syndicate
- Academic Council
- Board of Faculties
- Board of Studies
- Selection Board
- Advanced Studies and Research Board
- Affiliation Committee
- Finance & Planning Committee
- Discipline Committee

13.1 SYNDICATE

SYNDICATE

The **Syndicate** vested with executive authority, presently comprises the following members. The tenure of office of members other than Ex-officio members is three years.

Chairman:

Prof. Dr. Nazir Ahmed Mughal,
Vice-chancellor

Members

- 02. Prof. Dr. Anwar Ali Shah G. Syed,**
Pro-Vice-Chancellor,
Sindh University Campus, Dadu
- 03. Prof. Dr. Imdad Ali Ismaili,**
Pro-Vice-Chancellor,
Sindh University Campus, Mirpurkhas

04. **Mr. Justice Abdul Rasool Memon,**
Judge, High Court of Sindh, Karachi
05. **The Secretary,**
Education & Literacy Department,
Government of Sindh, Karachi. (or his Nominee)
06. **The Chairman, HEC**
(or his nominee)
07. **Mr. Jhamat Jethanand,**
Dean, Faculty of Law, University of Sindh, Hyderabad.
08. **Prof. Dr. Sarfraz Hussain Solangi,**
Director Centre for Pure & Applied Geology, University of Sindh.
Focal Person, Sindh University Thatta Campus
09. **Dr. Ghulam Murtaza Mastoi, Associate Professor**
Dr. M.A. Kazi Institute of Chemistry, University of Sindh
10. **Mr. Badaruddin Soomro, Assistant Professor**
Department of Mass Communication, University of Sindh
11. **Mr. Imran Ali Halepoto, Lecturer**
Institute of Physics, University of Sindh
12. **Mr. Justice (Retd) Hamid Ali Mirza,**
B 1/1, 10th Street, Gulshan-e-Faisal, Cooperative Housing Society, Both Island,
Karachi.
13. **Mr. Raees Ahmed Khan,**
Chief Executive,
Nazeer Hussain Institute of Emerging
Science, Mirpurkhas
14. **Prof. Dr. Asadullah Larik,**

Appartment C-4, Building No.43, Street No. 28, Askari-5, Malir Cantt, Karachi.

15. **Prof. Ahmed Ali Shaikh,**
Principal, Government Sindh Law College, Hyderabad.
16. **Prof. Dr. Abdul Sattar Ansari,**
D-517, Shamanabad, Sukkur
17. **Prof. Dr. Mumtaz Bhutto,**
Phase-I, A-275, S.U.E.C.H.S, Jamshoro..
18. **Mr. Muhammad Nawaz Narejo,**
Registrar/ Secretay, University of Sindh.

13.2 ACADEMIC COUNCIL MEETINGS

13.3 BOARD OF ADVANCED, STUDIES MEETINGS

CHAPTER-14: OFFICE OF RESOURCE GENERATION/DEVELOPMENT

14.1 INITIATIVES AND IMPLEMENTATION

14.2 FUTURE PLANS

INSTITUTE OF GENDER STUDIES

The ultimate goal of institute of Gender studies is to create awareness among women regarding their social, economic and legal rights and improve their status through formal and informal education. The Inter disciplinary progress is there to build their confidence and to enhance their hidden skills and ability to face different challenges in different fields, and to provide high quality education at international level in gender studies. As to inspire and prepare the students for leadership positions with the understanding of the strategic value of their work, so they can effectively participate in the development of women and operation of the government and non-government organizations and to achieve successful careers in the fields to serve the nation, country, region and globe.

To conduct and promote scientific research and its application for the advancement of Gender Studies, in food and nutrition and in rural and urban communities to disseminate new knowledge through publications, conferences, seminars and workshops.

CHAPTER-1 5: HEALTH CENTRE/MEDICAL FACILITIES

15.1 MEDICAL FACILITIES AVAILABLE

Following Panel Hospitals provide Medical Facilities to the Employees in Hyderabad City by the University viz. agreement with the United Insurance Company Ltd.

HYDERABAD
RED CRESCENT CARDIAC HOSPITAL (UNIT # 02
AGA KHAN HOSPITAL (0333- 2689637 (HUSAIN
RED CRESCENT GENERAL HOSPITAL (UNIT NO -06
BONE CARE TRAUMA CENTRE
MAAJEE HOSPITAL
WALI BHAI RAJPUTANA HOSPITAL (0333-2609074)