

CURRICULUM VITAE

Of

DR. S.M. QURESHI



Dr. S.M. Qureshi

CURRICULUM VITAE

(a) PERSONAL

1.:-	Name	:	Dr. Shamsuddin Qureshi
2.:-	Father's Name	:	Mr. Mohammad Bux Qureshi
3.:-	Date of birth	:	May 3, 1936
4.:-	Place of Birth	:	BubakTown, TalukaSehwan, District Dadu, Sindh, PAKISTAN
5.:-	Present Position	:	Professor Emeritus /Director (Honorary) Mehran University Institute of Science and Technology Development, Jamshoro.

(b) ACADEMIC QUALIFICATIONS

	Degree	Year	Institution	University
1.	B.E. (Civil Engg.)	1959	N.E.D Engineering College, Karachi	University of Karachi
2.	M. Engg. (Structural Engineering)	1965	SEATO Graduate School of Engineering, Bangkok,	Chullalongkorn University, Bangkok, Thailand
3.	Ph.D. (Structural Engineering)	1971	Department of Civil and Structural Engineering University of Sheffield	University of Sheffield United Kingdom

(c) **EXPERIENCE**

Period	Position held	Nature of Work
August 2002 To-Mar- 2013	Chairman, Charter Inspection and Evaluation Committee, Government of Sindh, (Honorary Advisor to Governor Sindh) Karachi	Inspection, Monitoring, Evaluation and Grading of private chartered Universities and Degree Awarding Institutes, Sindh. Monitoring public sector Universities and Degree awarding Institutes, Sindh Evaluation and recommendation of private Higher Education Institutions in Sindh for grant of Charter as Universities or Degree Awarding Institutes
June,1999 to August,2000	Chairman, Pakistan Council for Science and Technology/ Secretary to National Commission for Science & Technology (NCST), Islamabad.	Policies, planning, programs and coordination of Science and Technology in the country; collection of data, studies, and determining S&T indicators, meetings of NCST and its Executive Committee and execution of their decisions, etc. for promotion of Science and Technology in the country.
November 1996 to March, 1999	Adviser, International Islamic University, Islamabad.	Establishment of faculties of Applied Sciences and Engineering and Technology and to render advice in administrative, financial, planning and development, etc. matters, in particular with regard to the development of new campus.
November 1994 to March, 1996 (Retired)	Secretary to the Government of Pakistan, Ministry of Science and Technology, Islamabad.	Promotion of Science and Technology for socioeconomic development and security of the country in general and its coordination with other Ministries/Divisions and Provinces. This includes management of various R&D and other S&T organizations under its administrative control.
July, 1994 to November, 1994	Secretary to the Government of Pakistan, Zakat and Ushr Division/ Administrator General Zakat, Islamabad.	Administration of Zakat and Ushr system for its collection and disbursement through-out the country for promotion of welfare of eligible people in general and in the fields of health, education and training, rehabilitation, etc in particular.
Jan., 1994 to June, 1994	Administrator General Zakat/ Ex-officio Secretary to the Government of Pakistan, Islamabad.	Administration of Zakat and Ushr system for its collection and disbursement through-out the country for promotion of welfare of eligible people in general and in the fields of health, education and training, rehabilitation, etc in particular.

November, 1992 to Jan. 1994	Secretary to the Government of Pakistan, Ministry of Housing and Works, Islamabad.	Public works, their planning, execution and maintenance; developing and acquiring and maintaining office accommodation for Federal Government Ministries/Divisions and Attached departments, and similarly residential accommodation for their employees; management of Government lands, Cooperative Housing Societies, National Construction Company Ltd., Federal Government Employees Housing Foundation, etc.
April, 1990 to November, 1993	Secretary to the Government of Pakistan, Youth Affairs Division, Islamabad.	Promotion of welfare and development of Youth in the country in general including survey of problems of youth, framing and execution of National Youth Policy; establishment of National Youth Development Fund, organization of Non-governmental Organizations in Youth sector at grass root level, Establishment and management of Skill Training Centres for Youth, etc. Promotion of youth exchange programmes and liaison with Commonwealth Youth Programmes and other international youth organizations.
October, 1987 to April, 1990	Secretary to the Government of Pakistan, Ministry of Education (Additional charge as Vice Chancellor, MehranUniversity), Islamabad.	Promotion of Education at all levels, in the country in general; Special programmes including mass literacy programmes, skill training for educated unemployed, expansion of primary education with special attention to girl education, survey/special study for promotion of vocational and technical education, establishment of a number of new universities in public and private sectors/ professional institutions, Centres of Excellence and Scientific and Technological research institutes; updating of curricula; establishment of Education Welfare Foundation, establishment of Civil Award System for education promoters, teachers and students, promotion of research in universities through establishment of National Science Research Fund, holding of National Education Conference and preparation of Draft National Education Policy, etc.
March 1977 to October, 1987	Founder Vice Chancellor, MehranUniversity of Engineering and Technology, Jamshoro.	Principal Academic and Administrative Officer, Establishment of Mehran University of Engineering and Technology in two new campuses at Jamshoro and Nawabshah with faculties of Engineering, Technology and Architecture and Planning, 13 teaching Departments at under graduate level and 11 Disciplines at post graduate level 2 Institutes of Research and a Computer Centre with total enrolment of 4000 students, at Jamshoro; and Faculty of Engineering with 3 under-graduate

		<p>teaching Departments and 3 postgraduate level Disciplines with 1000 students at Nawabshah; Developing and maintaining residential accommodation, sports and recreational facilities, community facilities, transport and medical facilities, water supply and sanitation and security systems for students and faculty at the campuses; management of property and funds of the university, etc. etc.</p>
<p>July 1976 to March, 1977</p>	<p>Pro-vice-chancellor, SindhUniversityEngineeringCollege Campus Jamshoro / Nawabshah.</p>	<p>To administer the two Campuses as their Principal Academic and Administrative Officer and plan for their up-gradation as Mehran University of Engineering and Technology as soon as possible.</p>
<p>March, 1974 to July, 1976</p>	<p>Member (Science), Pakistan Science Foundation, Islamabad.</p>	<p>Establishment and administration of Pakistan Science Foundation, its Science Wing in particular, as its founder Member (Science); promotion of Scientific and Technological effort in the country for socio-economic development according to its Charter, which included promotion of Scientific and Technological R&D and strengthening of such capability in universities and research organizations; popularization of Science, establishment of S&T Information system, utilization of S&T research; institutional strengthening; strengthening of Non-governmental Science Organizations; etc.</p>
<p>April, 1971 to March 1974</p>	<p>Prof. of Civil Engineering, SindhUniversityEngineeringCollege, Jamshoro</p>	<p>Teaching and research in Structural Engineering, specializing in Reinforced Concrete Structures.</p>
<p>January 1968 to April, 1971</p>	<p>University of Sheffield, England Department of Civil and Structural Engineering.</p>	<p>Study and Research in Reinforced Concrete Structures for the degree of Ph.D. Through original research based on extensive experimental and theoretical work to i) arrive at conclusive evidence and establish regime of limitation for using Model-simulation to predict the behaviour of prototype Reinforced Concrete Beams under bending and shear, accurately, ii) resolve the complex issue of Shear failure of Reinforced Concrete Beams under different forms of loading and develop the theory and design criteria, using computer, for predicting their strength accurately and establish the design criteria for their safe and economic design, etc.</p>
<p>May, 1965 to December,</p>	<p>Reader in Civil Engineering, SindhUniversityEngineeringCollege, Jamshoro.</p>	<p>Teaching and research in Civil and Structural Engineering.</p>

1967		
March, 1965	Structural Consultant, Zaheeruddin and Co, Architects and Engineers, Karachi.	Preparations of structural design and drawings of multi-storied Hotel Inter-continentals buildings at Rawalpindi, Lahore, Peshawar and Dacca.
May, 1963 to March, 1965	SEATO Graduate school of Engineering, Bangkok, Thailand, Thailand.	Study and research in Structural Engineering for M.Eng. degree. Research pertained to determine computer-aided simple method for design of Reinforced Concrete Folded Plate Roofs.
October, 1960 to May, 1963	Junior/Senior Design Engineer, Gammon Pakistan Ltd, Karachi.	Design and construction of Reinforced and Prestressed Concrete Structures, industrial, multistoried, residential, etc. buildings, bridges, and other varied types of structures.
Jan., 1959 to October, 1960	Supervisor, West Pakistan Public Works Department	Design, construction and maintenance of public works- buildings and roads

(d) ADDITIONAL IMPORTANT CHARGES HELD.

Position held	Nature of Work
Chairman, University Grants Commission(UGC), Ministry of Education	Funding and promotion and co-ordination of higher education and research, etc. in universities of Pakistan.
Chairman, Pakistan Council for Science and Technology (PCST), Ministry of Science and Technology	Policies, planning and coordination of science and technology in the country, collection of data, studies and determining S&T indicators, etc.
Chairman, Council for Works and Housing Research (CWHR), Ministry of Science and Technology.	Promotion of research and development in housing and other works and their application, in particular in the fields of new materials, environmental aspects, low cost housing etc.
Chairman, Pakistan Science Foundation (PSF), Ministry of Science and Technology.	Promotion and funding of scientific and technological effort in the country for socio-economic development according to its Charter, which included promotion of scientific and technological R&D and strengthening of such capability in universities and research organizations, popularization of Science, establishment of S&T Information System, utilization of S&T research, strengthening of Non-governmental Science Organizations; etc.

(e) HONORARY POSITIONS/AFFILIATIONS
(Past and present)

- 1:- Member American Concrete Institute, Detroit, USA.
- 2:- Member Pre-stressed Concrete Institute, Chicago, USA.
- 3:- Member Pakistan Engineering Council, Islamabad
- 4:- Member Executive Committee, Pakistan Engineering Council, Islamabad.
- 5:- Member Committee on Plain and Reinforced Concrete, Pakistan Standards Institute, Karachi.
- 6:- Member Council for Works and Housing Research, Ministry of Science & Technology, Government of Pakistan, Islamabad.
- 7:- Member Irrigation, Drainage and Flood Control Research Council of Pakistan, Ministry of Science and Technology, Islamabad.
- 8:- Member Board of Governors, National College of Engineering and Technology, Karachi.
- 9:- Member Board of Governors, Centres of Excellence:
 - i) Marine Biology, University of Karachi.
 - ii) Analytical Chemistry, University of Sindh, Jamshoro.
 - iii) Geology and Mineralogy, University of Peshawar.
- 10:- Member Improvement of Higher Education and Research in Universities, University Grants Commission Committee, Islamabad.
- 11:- Member Expert Committee on Pre-fabrication of Housing in Pakistan, Ministry of Environment and Urban Affairs, Government of Pakistan, Islamabad.
- 12:- Member Board of Trustees, Asian Institute of Technology, Bangkok, Thailand.
- 13:- Member Executive Board, Islamic Social, Educational, Science and Cultural Organization (ISESCO), Rabat, Morocco.
- 14:- Member University Grants Commission, Ministry of Education, Government of Pakistan, Islamabad.
- 15:- Member Board of Governors, National College of Arts, Lahore.
- 16:- Member National Commission for Science and Technology, Ministry of Science and Technology, Government of Pakistan, Islamabad.
- 17:- Member Management Committee, Commonwealth Youth Programme (CVP), Commonwealth Secretariat, London, United Kingdom.
- 18:- Member Board of Governors, University of Lefke, Lefke, Northern Republic of Turkish Cyprus (NRTC).

19:-	Member	Urdu Science Board, Ministry of Education, Lahore.
20:-	Member	UNCSTD Working Group on “Impact of Information Technology for Developing Countries and Countries in transition”.
21:-	Member	UNCSTD Working Group “Science and Technology Policy Review for Developing Countries and Countries in transition”.
22:-	Member	Development Committee, International Islamic University, Islamabad.
23:-	Member	Board of Trustees, Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology, (SZABIST), Karachi.
24:-	Member	Board of Governors, MOEN-JO-DARO Authority, Ministry of Culture and Sports, Islamabad.
25:-	Member	Higher Education Commission, government of Pakistan, Islamabad
25:-	General Secretary	Sindh Science Society, Jamshoro.
26:-	Vice-Chairman	Board of Governors, DawoodCollege of Engineering and Technology, Karachi.
27:-	Vice Chairman	Board of Governors, UrduArtsCollege, Karachi.
28:-	Vice Chairman	Board of Governors, UrduScienceCollege, Karachi.
29:-	Vice Chairman	Executive Committee, UNESCO National Commission of Pakistan, Islamabad.
30:-	Vice Chairman	Board of Governors, UNESCO National Commission of Pakistan, Islamabad.
31:-	Chairman	Restructuring Engineering Education in Pakistan, National Committee appointed by University Grants Commission, Ministry of Education, Islamabad.
32:-	Chairman	Board of Governors, Model Schools/Colleges, Ministry of Education, Islamabad.
33:-	Chairman	Board of Governors, Sindh Madressa-tul-Islam, Ministry of Education, Islamabad.
34:-	Chairman	Board of Governors, National Book Council of Pakistan, Ministry of Education, Islamabad.
35:-	Chairman	Board of Governors, NationalTechnicalTeachersTrainingCollege, Ministry of Education, Islamabad.
36:-	Chairman	Board of Governors, Academy of Educational Planning and Management, Ministry of Education, Islamabad.

37:-	Chairman	National Development Foundation (NDF), Islamabad
38:-	Chairman	Board of Directors, National Construction Company Ltd., Ministry of Housing and Works, Islamabad.
39:-	Vice Chairman	UN Commission on Science and Technology for Development (UNCSTD), Geneva.
40.	Member	Search Committee for appointment of Vice Chancellors in Public sector universities in Sindh
41.	Chairman	Working Group on “Technology driven Development” Chapter for 10 th . Five Year Plan 2010-15, Planning Commission of Pakistan, Islamabad

(f) IMPORTANT CONFERENCES, SEMINARS, MEETINGS, VISITS IN WHICH REPRESENTED PAKISTAN

- 1:- Meeting of the Directors of Documentation Centres of CENTO Region held at Tehran, Iran, from 29th April to 2nd May, 1974 (Leader of the Delegation).
- 2:- Asian Seminar on Science and Technology Policy, held by UNESCO, at Lahore, August 1974.
- 3:- 23rd Meeting of CENTO Council for Scientific Education and Research” held at Lahore from 2nd to 4th December, 1974 (Leader of Delegation).
- 4:- 4th Meeting of Association for Science Cooperation in Asia (ASCA) held at Canberra, Australia, from 14th to 18th April, 1975 (Leader of the Delegation in Technical Sessions).
- 5:- Man and Biosphere, UNESCO Regional Meeting on “Ecological Effects of Irrigation in Large River Basins” held in Alexandria, Egypt from 24th to 27th February, 1976 (Leader of the Delegation).
- 6:- AIT Asia – Next Two Decades, Seminar at Asian Institute of Technology, Bangkok, Thailand 24th to 27th April, 1979 (Leader of the Delegation).
- 7:- Establishment of Regional Network of Engineering Institutions in South and Central Asia, UNESCO Regional Meeting, Dhaka, Bangladesh 30th November and 1st December, 1979 (Leader of the Delegation).
- 8:- Annual Conference on Engineering Education, A&M University of Texas, College Station, USA, July 1982.
- 9:- Overseas Vice Chancellors’ Conference on occasion of 64th anniversary of British council, University of Warwick, UK, July 30 to August 3, 1984.
- 10:- Rabita-e-Alam-e-Islami, Vice Chancellors’ Conference, Jeddah, Saudi Arabia, 4th to 22nd August 1986

- 11:- General Conference of UNESCO, Paris, France, 26th October to 9th November, 1987 (Deputy Leader of the Delegation).
- 12:- SAARC Technical Committee on Education Meeting at Dhaka, Bangladesh 6 to 8 August 1989 (Leader of the Delegation).
- 13:- Technical Assistance Negotiations, Korean Institute of Technology, Seoul, South Korea, 28 to 31 August, 1989.
- 14:- Technical Assistance Negotiations, AIT Bangkok, Thailand, 2 to 3 September, 1989.
- 15:- Loan Negotiations meeting with Asian Development Bank for Primary Education (Girls) Project, 28th September to 2nd October 1989, Manila, Philippines.
- 16:- General Conference of UNESCO, Paris, France, 27 to 31 October 1989. (Deputy Leader of the Delegation).
- 17:- To study British Successful Employment and Vocational Training Schemes and their implication on the expanding job opportunities for the younger generation in Pakistan organized by ILO at London, 28th January to 13th February, 1990.
- 18:- Commonwealth Youth Affairs Council meeting at Harare, Zimbabwe, 1 to 5 June 1990 (Leader of the Delegation).
- 19:- UN Commission on Science and Technology for Development, Second Session held in Geneva, May 1995 (Leader of the Delegation).
- 20:- OIC Ministerial Standing Committee on Scientific and Technological Cooperation (COMSTECH) of the Organization of Islamic Conference held in December, 1995 at Islamabad.
- 21:- UN Commission on Science and Technology for Development (UNCSTD) Expert Group on Information Technology meeting held at Columbia, in 1996.
- 22:- UNCSTD Bureau Meeting on Science and Technology Policy Review held at Islamabad in March, 1996.
- 23:- ECO Heads of States /Governments Meeting for Establishment of ECO Science Foundation, held at Islamabad in April 1996.

(g) PUBLICATIONS (Research / Other Papers and Reports):

- 1:- **“Comparative Study of Reinforced Concrete Folded Plate Roofs”** Thesis 91 SEATO Graduate School of Engineering, Bangkok, 1965. (Submitted in partial fulfillment of the requirements for Master of Engg. Degree)
- 2:- **“A Rational Theory for Shear Strength”**, Discussion proceedings American Concrete Institute, Journal, August 1970.
- 3:- **“Similitude in Reinforced Concrete T. Beams under bending and Shear”**. Proceedings, American Concrete Institute Journal, March 1971.

- 4:- **“Shear Strength of Reinforced Concrete T-Beams”** Thesis submitted in fulfillment of the requirements of the Ph.D. degree, University of Sheffield, March 1971.
- 5:- **“Size Effect on Strength and Deformation Similitude of Reinforced concrete Beams and bending and Shear”**. Proceedings, Conference on Models in Structures, Australia, June 1972.
- 6:- **“Size Effect on Strength of Reinforced Concrete Members”**. Proceedings, First Annual Science Conference, Sindh Science Society, Jamshoro, Pakistan, April 1972.
- 7:- **“An Ultimate Shear Strength Theory for Reinforced Concrete T-Beams with Web Reinforcement”**. Proceedings, Institute of Civil Engineers Journal, London, March 1974.
- 8:- **“Shear Behaviour of Reinforced Concrete T-Beams with Web Reinforcement”**. Proceedings, Institute of Civil Engineers Journal, London, March 1974.
- 9:- **“Future Development Problems and Basic Research for Asian Countries”**, paper presented at the UNESCO’s Asian Seminar on Science and Technology Policy, Indonesia, October 1974.
- 10:- **“The Scientific and Technological Information Service in Pakistan”**, Paper presented at 4th Meeting of Association for Science Cooperation in Asia (ASCA), Australia, April 1975.
- 11:- **“Improvement of Higher Education and Research”**, Report by Committee appointed by University Grants Commission, 1975.
- 12:- **“Science and Technology in Developing Countries”**, Pakistan Science Foundation, Islamabad – February, 1976.
- 13:- **“Prefabrication of Housing in Pakistan”**, Report by Committee appointed by Ministry of Environment and Urban Affairs, Government of Pakistan, Islamabad, 1978.
- 14:- **“Trends in Technological Education in South Asia”**, paper presented at the Seminar ‘AIT- Asia – Next Two Decades’ held at Asian Institute of Technology, , Thailand 24 to 27th April, 1979.
- 15:- **“Re-structuring of Engineering Education in Pakistan”**, Report by Committee appointed by University Grants Commission, 1981.
- 16:- **“De-politicization of Educational Institutions in Pakistan”**, Report by Committee of the University Grants Commission, Ministry of Education, Islamabad, 1986.
- 17:- **“Failure of Works of Shah Shaheed Campus, Shah Abdul Latif University, Khairpur”**, Report of the investigation submitted to the Governor Sindh/ Chancellor, Karachi, March 2001.

(h) APPRECIATIONS, HONOURS and AWARDS

Year	Nature	Purpose
1986	Introduced in his book ‘ZINDAH-LOG’ by Khalid Athar	In appreciation of meritorious services rendered in Education.
1990	‘ Latif Shield for Decade ’ by LatifAcademy, Karachi	In appreciation of remarkable services rendered in the field of Education and Science for the Decade.
1992	‘ Gold Medal ’ by Governor Sindh / ChancellorMehranUniversity.	In appreciation of establishing Mehran University of Engineering and Technology.
1997	‘ Gold Medal ’ by MehranUniversity Alumni Association	In appreciation of establishing Mehran University of Engineering and Technology.
1997	‘ Distinguished Alumni Award ’ given by Alumni Association of Asian Institute of Technology, Bangkok, Thailand. First such award only to two Alumni since the establishment of the Institute in 1959.	In recognition of his distinguished services, in the public sector, to the continued development of Pakistan and the betterment of Pakistani people—
2000	‘ Shield ’ presented by Governor Sindh/Chancellor, MehranUniversity.	In appreciation of meritorious services rendered in establishing Mehran University of Engineering and Technology.
2001	‘ Lifetime Achievement Award ’ conferred by the Pakistan Engineering Council, on the occasion of Silver Jubilee Convention at Karachi.	In appreciation of his lifetime devotion and notable achievements in overall Engineering Profession, education, research and practice.
2009	‘ Certificate of Commendation ’ by Governor Sindh/ Patron private chartered Institutions, Sindh.	In appreciation of the contributions made for improvement of the general performance and quality of education of the private chartered Institutions, Sindh
2010	‘ Induction in the AIT Hall of Fame ’ by the Board of Trustees, Asian Institute of Technology (AIT), Bangkok, Thailand.	An honor conferred in recognition of the accomplishments and contributions in bringing pride and inspiration to his profession, country and the Institute.