Zafar I. Malik

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SUMMARY OF QUALIFICATIONS

- Twenty Seven years of experience in IT and education sectors.
- More than Nineteen years of experience of managing EMIS/IT Infrastructures.
- Eight years of teaching and education management experience.

ACADEMIC QUALIFICATIONS

- **Master's Degree in Computer Science** from Wayne State University, Detroit, Michigan, USA, (1988-90).
  Emphasis: Software Engineering, Database Management Systems.

- **Master's Degree in Computer Science** from Quaid-i-Azam University, Islamabad, Pakistan, (1984-85).
  Emphasis: MIS, Systems Analysis and Design.

PROFESSIONAL CERTIFICATIONS

- Certified Project Management Professional (PMP)
- Certified in IT Service Management (ITIL)
- OMG Certified UML Professional (OCUP)

WORK EXPERIENCE

EMIS Advisor / Deputy Chief of Party, South Sudan EMIS Project, FHI 360 USA (Aug. 2012-to-date)

Responsibilities:
- Management of EMIS system in South Sudan.
- Providing support to policy making, planning, and determining policy level interventions in the education sector.
- EMIS Capacity building at National and State level in South Sudan.
- Supporting development of decentralized EMIS system in South Sudan.
- In addition to above tasks:
  - Conducted the evaluation study for UNHCR education system in Kenya and Pakistan. The study included visit to refugee camps and urban setups, understanding the education information system, selected data collection using specialized applications running on Android Tablets, and writing reports. The purpose of the study is to develop a baseline and propose solutions for UNHCR wide EMIS system.

Director, Education Management Information System (EMIS), Academy of Educational Planning and Management, Ministry of Professional and Technical Training (Formerly Ministry of Education), Government of Pakistan (Sep. 2007- Aug. 2012)

Responsibilities:
- Head of National Education Management Information System (NEMIS).

- Providing support to policy making, planning, and determining policy level interventions in the education sector.
- Management of National Level EMIS and ICT related Projects for Education Sector.
- Preparation and evalaution of policies towards data quality and enhanced use of data.
- Preparation of policy briefs related to improvement of EMIS system.
- Development and implementation of standard operating procedures for core data requirements for national and international reporting.
- Conducting Research and Analysis related to the education sector.
- Capacity building of education managers at all levels of education.
- Supervision of country's largest educational database.
- Project Director / Focal Person for a number of projects/initiatives including:
  - Integrated Decision Support System (IDSS) project funded by UNICEF.
  - Education Atlas project with the technical/financial assistance of UN-World Food Program.
  - Training of district level education managers in "use of data for planning and management" and "use of data for monitoring and supervision" with the support of USAID-ED-LINKS project.
  - Impact Analysis of EMIS interventions in selected areas of Pakistan.
  - Development of Training manuals on data use, school mapping, GIS and Atlas.

Professor, Head of Department, In-charge of MIS/ICT infrastructure, Muhammad Ali Jinnah University, Islamabad (2001 - 2007).

Responsibilities:
- In-charge of MIS/ ICT infrastructure in the university, including supervision of lab managers, identification, development and deployment of IT solutions for various functions of the university.
- Preparation and implementation of academic policies.
- Management of undergraduate programs in Computer Science (CS) and Bio-Informatics.
- Curriculum Development for both the CS and BI programs.
- Teaching Software Engineering, programming, database management, and multimedia courses.
- Supervision of software development projects.

Chief Consultant, Technola, USA.
(2000 - 2001).

Responsibilities:
- Management of Technola USA off-shore development facility (software house) in Pakistan.
- Leading a team of developers, as the chief architect, in a number of software development projects.
- Successfully supervised completion of a number of software development project.
- In this time period also taught, as a faculty member, at Bahria University Islamabad.
- Teaching Software Engineering, Database Management Systems & MIS courses.
- Curriculum Development

Senior Consultant, Department of Computer Sciences, International Islamic University, Islamabad, (1999 - 2000).

Responsibilities:
- Developing and executing Software Engineering and Database Management syllabi.
- IT Curriculum Development.
- Development of policies and plans.
- Successfully managed the completion of a number of software development projects.

Systems Analyst/Senior Research Officer, Ministry of Science and Technology, Government of Pakistan (1986 – 1999).

Responsibilities:
- Providing support to Science and Technology policies, implementation plans and interventions.
- Carrying out research in S&T sector.
- Management of MIS/IT infrastructure.
- Design and development of databases.
- Overall management of software development activities.
- Writing technical reports and carrying out studies related to IT.

AREAS OF EXPERTISE

Project Management
Extended experience of preparing ICT and education projects; Assessing project feasibility; Estimating project costs, efforts and schedules; Assessment of educational systems; Devising monitoring and evaluation mechanisms for successful project completion.

Education Management Information Systems
Design and development of traditional information system solutions for the management reporting as well as decision support systems. Assessment of EMIS at national, provincial, and district levels; Capacity building of EMIS and education sector personnel; and Monitoring, Supervision and Evaluation of EMIS systems.

Training and Education
Developing and conducting specialized training modules for a varied set of clients, focusing on use of data for informed decision making at all levels of education sector. In the last ten years, designed, developed and successful conducted more than ten training modules in a variety of areas.

RESEARCH INTERESTS

- In the last ten years, published more than 20 international conference/journal papers.
- Between 2008-2012, contributed to 15 Books/Research Studies / Reports related to education sector at national level.

INTERNATIONAL RESEARCH PUBLICATIONS

List of Publications is available upon request.

BOOKS/RESEARCH REPORTS

- "Pakistan Education Statistics 2011-12", Published by USAID.
- "EFA Indicators and Millennium Development Goals", A detailed report on analysis and status of EFA indicators in Pakistani context, published by UN-WFP.
- "District Education Profiles 2011-12", a five part series focusing on National and Provincial systems.
- "National EMIS Survey: Findings and Recommendations, A baseline for strategic development" (Published by Ed-Links-USAID), 1st edition 2008, 2nd edition 2011. (http://www.aepam.edu.pk/Files/Publications/National_EMIS_Survey_Report2ndEdition.pdf)

- Pakistan Education Atlas, 2010. (Jointly Published by Government of Pakistan and UN-World Food Programme), online version available at www.atlas.edu.pk
- Pakistan Education Statistics, 2008-09. (Published by National Book Foundation, 2010)
- Training Manual: Use of data for Educational Monitoring and Supervision (Published by ED-LINKS/USAID2011).(http://www.aepam.edu.pk/Files/Publications/Training_Manual_for_Monitoring_and_Supervision.pdf)
- Training Manual: Use of data for Educational Planning and Management (Published by ED-LINKS/USAID in December 2011)
- Impact Analysis of EMIS intervention in selected areas of Pakistan.(Published by ED-LINKS/USAID in January 2012)
- Trends in Education, a time series Analysis (2002-2007).
- Pakistan Education Indicators related to EFA Goals, 2010-11.
- Pakistan Education Statistics 2006-07 (Published by National Book Foundation, 2008).
- Pakistan Education Statistics 2007-08 (Published by National Book Foundation, 2009)
- District Profiles of Pakistan Provinces, 2010-11 (5 NEMIS publications)

REFERENCES

- Dr. Syed Tahir Hijazi, Pro-Rector, University of Central Punjab, House 75, Street 24, F-10/1, Islamabad, Email: hijazisyed@yahoo.com , Cell No. +92-300-8566436.
- Mr. Dawood Shah, Director Training, Academy of Educational Planning and Management, Ministry of Professional and Technical Training, Government of Pakistan, Sector G-8/1, Taleemi Chowk, Email: dwshah@yahoo.com, Cell No. +92-322-5157125, Landline No. +92-51-9260610.
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