

AYYAZ AHMAD

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Profile Summary & Strengths

A skilled professional with a strong desire to contribute to the productivity & proficiency of a progressive organization. A conscientious individual with a strong work ethic and the ability to interface with others at all levels.

Education

Curtin University of Technology

August 2014

PhD@ Department of Mechanical Engineering

THESIS: Rapid Prototyping Technology Adoption Framework Development,

Operationalization and Roadmap Generation for SMEs to increase competitiveness.

Key Research Features: Multi-criteria decision analysis, Expert System Development, A novel methods for Micro Value Chain Analysis & Effective Technology Adoption.

University of New South Wales, Sydney

October 2000

Master of Engineering Sciences(MEngSc) – Specialization In Industrial Management

Additional Specialization in Computer Integrated Manufacturing (CIM)

Command on Techniques

- For planning process like MPS, MRP, Production planning, Forecasting.
- To Improve the Process and Product like Total Quality Management (TQM), Concurrent Engineering (CE), Design for Manufacture (DFM), Design for Assembly (DFA), Japanese 5S Techniques, Quality Function Deployment (QFD), Six Sigma, and Supply Chain Management (SCM).
- Problem solving techniques Like Statistical Process Control (SPC), Total Quality Control (TQC), Total Productive Maintenance (TPM), Quality Loss Function

Grants/Awards

- Secured a grant of GBP 8000/Annum from British Council to establish a link with Northumbria University UK for 3 years.
- Grant of RS 300,000 from Higher Education Commission of Pakistan for overseas training on Rapid Product Development.

- Winner of 2015 Emerald/EFMD Highly Commended Award for Outstanding Doctoral Research.

Bankstown College, Sydney

OH&S , June 2003

A certificate course in Occupational Health & Safety and maintaining safe workplace

University Of Engineering Technology, Lahore 1998

Bachelors in Mechanical Engineering with honors

THESIS-Investigating the tool and techniques of TQM and ISO9000 Standards.

Experience

Sessional Academic (AutoCAD)

- Curtin University Perth, Australia 2010-2013

Assistant Professor

Institute of Quality & Technology Management

University of Punjab Lahore.

2004- Current

- Member Board of Studies University of Punjab.
- Member Board of Faculty University of Punjab
- Chairman of the Curriculum Development Committee of the Institute.
- Head Industrial Engineering & Management Programme.
- Member Departmental Doctoral Program Coordination Committee (DPCC)
- Taught Courses: Operations Management, Maintenance Management, Total Quality Management, Project Management ,Manf. Strategy at Bachelor, Masters & PhD Level .
- Supervised research at Bachelors and Masters.
- Developed MS in Engineering Management Courses, later approved by University Statutory Bodies.
- Programme Manager for MS in TQM programme.

Editor Journal of Quality & Technology Management

Oyster Industries (Pvt) Ltd Lahore

1/2004- 6/2004

Senior Production Engineer

- Materials Management, Production Planning & Control
- Team and Resource Management, Productivity Improvement

Coles, Sydney

09/1998 – 10/2003

Assistant Manager

A report on the system indicating

- Reduction in operation time
- Saving in lot of money with high employee and customer satisfaction.
- Implementation of modern problem solving techniques.
Honour to lead the best declared team of NSW.
- Participation in the Coles Excellence Award for 2000

Computer Skills

Fortran 77-Oracle8+Developer, AutoCAD

Professional Associations

Member Institute of Industrial Engineers (USA)

Executive and Founder Member of National Council of Quality and Technology (NCQT).

Member Society of Manufacturing Engineers (USA)

Professional Development & Achievements

- Attended two day course on Statistical Quality Control at PIQC.
- One day course on TPM at Lahore Chamber of Commerce and Industry.
- 30 day course on Staff Development organized by Higher Education Commission of Pakistan (HEC).
- Worked with United Nation Industrial Development Organization (UNIDO) for 18 months for the Cluster Development Programme in Pakistan.
- 5 day Lead Auditor course organized by IRCA Singapore.
- 3 Month training on Time Compression Technology at Centre for Rapid Product Development at Northumbria University UK.
- Organizer of the 1st International Conference on Quality Assurance in Higher Education in Pakistan.

- Nominated and selected by Who's Who in the World for inclusion in 26th Edition of 2009 and subsequent years.
- Deputy Link Coordinator of Higher Education Commission-British Council linkage programme and won the best link of the year award for an outstanding link between IQTM-Punjab University Pakistan and Mechanical Engineering-Northumbria University UK.
- Best teacher nomination award for 2006.

Publications

- M.Shafiq, A.Ahmad, et al. (2006). "Extent and validation of needs theories in Pakistan and role in motivation process Journal of Quality & Technology Management 2: 13-25
- N.A.Akhtar, A. Ahmad, et al. (2006). Integrated Quality Management System for universities. A case of IQTM University of the Punjab. 1st International Conference on Assessing Quality in Higher Education. Lahore, Pakistan.
- A.Ahmad, M.Hasan, Erik, Jan. Time Compression Technology: Why limited uptake in SME's. 2nd International Conference on Additive Technologies 2008. Ptuj Slovenia.
- A. Ahmad, M.Hasan, Erik, Jan. A Strategic Framework & Key Drivers for RP Adoption. The 33rd Rapid Prototyping Symposium 22-23 June 2009. Tokyo. Japan
- A. Ahmad, M. Ilyas Mazhar., Von Voorthuysen Erik Jan. Strengthening SMEs through Rapid Prototyping to meet future challenges Why & How? 14th Cambridge International Manufacturing Symposium 24-25 Sep 2009 Cambridge UK.
- A. Ahmad, M. Ilyas Mazhar, Ian Howard. A systems approach for the effective adoption of rapid prototyping for SME's 2nd International Conference on Industrial Engineering & Operations Management 22-24 Jan 2011 Kuala Lumpur, Malaysia .
- Ahmad, M. Ilyas Mazhar., Von Voorthuysen Erik Jan. Strengthening SMEs through Rapid Prototyping to meet future challenges Why & How Apics ERM Journal Q12010, Vol41.
- A. Ahmad, M. Ilyas Mazhar., Ian Howard. A framework for the adoption of Rapid Prototyping for SME's: From Strategic to Operational International Journal of Industrial Engineering: Theory Applications and Practice 19(3), 161-170, 2012.
- A. Ahmad, Mariam,A.Tarar. 3D Printing, Capabilities, Challenges & Future. First International Young Engineer Convention (FIYEC-2014) 18-20 April Lahore Pakistan.
- A. Hajira, Saleem,A,Tabasum, A. Ahmad. An Audible Electronic Navigation Aid for Blinds Using Ultrasonic Sensors. First International Young Engineer Convention(FIYEC-2014) 18-20 April Lahore Pakistan
- Technical Decision Making for Governments in Developing Countries: The need for an Industrial Engineering Approach, A. Ahmad. World Conference on Technology, Innovation and Enterpenuership.28-30 May 2015, Istanbul, Turkey.

Referees

1. Professor M Sarwar BSc(Eng),MSc,PhD,CEng,FIMechE,FIET,FIMMM

Director CRPD :School of Computing Engineering & Information Sciences

Northumbria University Newcastle upon Tyne NE1 8ST UK

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2. Prof. Dr Niaz Ahmad

Vice Chancellor Engineering University Taxila Pakistan

Former Director :Institute of Quality & Technology Management

University of the Punjab

Email: vc@uettaxila.edu.pk

3. Dr Muhammad Ilyas Mazhar (Supervisor)

Lecturer : Department of Mechanical Engineering Curtin University WA Australia.

Email: I.Mazhar@curtin.edu.au