

## CURRICULUM VITAE



1. **NAME:** DR. IRSHAD AHMAD KHAN
2. **DESIGNATION:** Professor of Mechanical Engineering
3. **ADDRESSES:**  
**Official:** Dept. of Mechanical Engineering  
Jamia Millia Islamia  
NEW DELHI-110025  
Mobile No. +919891040081  
**Residential:** B-21, Mujeeb Bagh  
Jamia Nagar  
NEW DELHI-110025  
Tel. No. (011) 26827138
4. **EMAIL:** iakhan@jmi.ac.in iakhanjmi@yahoo.co.in
5. **DATE OF BIRTH:** 31<sup>st</sup> January, 1950
6. **DATE OF JOINING JMI SERVICES:** 9<sup>th</sup> February 1989
7. **AREAS OF INTEREST:**  
i) Mechanisms;  
ii) Stress Analysis;  
iii) Product Design and Development;  
iv) Total Quality Management; and  
v) Education Technology.
8. **TEACHING EXPERINCE:** 27 years
9. **RESEARCH EXPERIENCE:** 29 years
10. **EMPLOYMENT PROFILE:**

DESIGNATION	DEPARTMENT	PLACE	DURATION
Professor	Mechanical Engineering	Jamia Millia Islamia New Delhi	1998-Contd.
Reader	Mechanical Engineering	Jamia Millia Islamia New Delhi	1989-1998
Lecturer	Mechanical Engineering	Aligarh Muslim University Aligarh	1985-1989
Research Scholar	Applied Mechanics	Indian Institute of Technology Delhi	1983-1986*
Drawing Instructor	Mechanical Engineering	Aligarh Muslim University Aligarh	1973-1985
Draughtsman	Mechanical Engineering	Aligarh Muslim University Aligarh	1969-1973

\* was on leave from Aligarh Muslim University, Aligarh.

**11. ACADEMIC QUALIFICATIONS:**

COURSE	SPECIALIZATION	UNIVERSITY/BOARD	YEAR
Ph. D.	Stress Analysis	IIT Delhi	1988
M. Sc. (Engineering)	Machine Design	AMU Aligarh	1982
Grad. (I. E.)	Mechanical Engineering	IE (I) Kolkata	1979
Certificate in Draftsmanship	Mechanical Engineering	AMU Aligarh	1968
Intermediate	Sciences	UP Board	1966
High School	Sciences	UP Board	1964

**12. ADMINISTRATIVE/MANAGERIAL EXPERIENCE:**

POSITION	PLACE	DURATION
Head	Dept. of Mechanical Engineering	Feb. 2007 to Jan. 2010
Proctor	Jamia Millia Islamia University	Feb. 1997 to Sep. 1998
Coordinator	BE (Mechanical) Course	Mar. 2006 to Feb. 2007
Officer-in-charge	Library, F/o Engg. & Technology	May 1995 to Mar. 1996
Coordinator	BE (Mechanical) Course	Mar. 1993 to Feb. 1995
Superintendent	Workshop, Mechanical Engg. Dept.	Jan. 1990 to Jan. 1991
Laboratory in-charge	Strength of Materials Laboratory	July 1991 to Aug. 2003

**13. GOVERNMENT ORGANISATIONS ASSISTED IN DIFFERENT ASSIGNMENTS:**

- i) All India Council of Technical Education, New Delhi
- ii) Defense Research and Development Organization, New Delhi
- iii) Guru Gobind Singh Indraprastha University, Delhi
- iv) Haryana Wakf Board, Ambala Cantt., Haryana
- v) Indian Institute of Technology, New Delhi
- vi) Jammu and Kashmir Public Service Commission, Jammu
- vii) Jharkhand Public Service Commission, Ranchi
- viii) National Board of Accreditation, New Delhi
- ix) Staff Selection Commission, New Delhi
- x) Union Public Service Commission, New Delhi
- xi) University Grants Commission, New Delhi
- xii) YMCA University of Science and Technology, Faridabad, Haryana

**14. UNIVERSITIES/INSTITUTES ASSISTED IN EXAMINATION WORKS:**

UG PROGRAMME	PG PROGRAMME	PH D PROGRAMME
AMU Aligarh	AMU Aligarh	MD University Rohtak
DCE Delhi	DCE Delhi	RG Tech University Bhopal
DEI University Agra	IITD New Delhi	
GGSIIP University Delhi	MD University Rohtak	
JNV University Jodhpur	YMCASTU, Faridabad	
MD University Rohtak		
RG Tech University Bhopal		
UP Tech University Lucknow		

15. **DETAILS OF ACADEMIC WORKS:**

ACADEMIC WORK	UG PROGRAMME	PG PROGRAMME
Course Developed & Introduced	Concurrent Engineering	Concurrent Engineering
Curricula Developed	Machine Design-I; Machine Design-II; Stress Analysis; Mechanics of Materials; Strength of Materials and Theory of Machines.	Advanced Mechanical Design; Engineering Design; and Theoretical & Experimental Stress Analysis.
Courses Taught	Engineering Mechanics; Engg. Graphics; Machine Drawing; Mechanics of Materials; Stress Analysis; Theory of Machines; Machine Dynamics; Machine Design-I & II; Mechanical Vibrations, and Concurrent Engineering.	Mechanisms; Theoretical & Experimental Stress Analysis; Advanced Mechanical Engg. Design; and Concurrent Engineering.
Lab. Established	Strength of Materials Lab.	—————
Areas of the Projects Guided	Machine Design; Concurrent Engineering; Total Quality Management; Evaluation and Selection Techniques; Quality Function Deployment; Design for Manufacturability; Robust Design; Taguchi's Approach; SWOT Analysis.	Concurrent Engineering; Mechanical Vibrations; and Mechanical Systems Design.

16. **PH. D. PROGRAMMES GUIDED:**

**A) Degree Awarded:**

- i) "Some Studies on TQM Environment in Industry for Global Competitiveness", June, 2005; Co-guide: Prof. V. P. Agrawal, IIT Delhi.
- ii) "Some Studies on the Stability and Non-linear Dynamic Contact between Rotating Spur Gears", January, 2013; Co-guide: Prof. Y. Nath, IIT Delhi.
- iii) "Some Studies in Design for Maintainability of Mechanical Systems Psychological Factors Perspective", March, 2013; Co-guide: Prof. O. P. Gandhi, IIT Delhi.

**B) Submitted:**

- i) "A Systematic Approach to Gas Turbine System Design"; Co-guide: Prof. S. Grover, YMCA UST, Faridabad.

**C) Ready for Submission:**

- i) "Deployment and Effectiveness of System Techniques in Measuring Comparing Quality of Manufacturing Organizations", registered in May 2008; Co- guide: Prof. S. Grover, YMCA University of Science and Tech., Faridabad.
- ii) "Characterization of Planer Kinematic Chains and their Derived Mechani registered in October 2008; Guide: Dr. Aas Mohammad.

**D) In Progress:**

- (i) "Some Studies on Product Design for Assemble ability", registered in Dec. 2010.

**17. M. TECH. DISSERTATIONS GUIDED/BEING GUIDED:**

- i) “Product Design Using Axiomatic Approach”; Co-guide Mr. S. M. Muzakkir (2009).
- ii) “Some Studies on Vibrations of Mechanical Systems”; Co-guide Mr. S. M. Muzakkir (2010).
- iii) “Product Design Using Axiomatic Approach” (2013).
- iv) “Total Design of a Mechanical System Using Decomposing Approach” (2013)

**18. REWARDS:**

- i) Won a Certificate of Merit from the Institution of Engineers (India), Kolkata, in 2004, on the Article entitled “SWOT Function Deployment to Maintenance Strategies” (No. vi, in the Papers’ list).
- ii) Awarded with a Citation by the Vice Chancellor, Jamia Millia Islamia, New Delhi, in 1997 for the dedication and sincerity in carrying out the responsibilities of the Proctorship of the University.

**19. RESEARCH PROJECTS/SCHEMES:**

- i) A project for the establishment of “Maintenance Engineering Centre” was submitted to MHRD in 1990. The project got sanctioned and completed successfully.
- ii) A scheme on minor research project on “Some Studies on Concurrent Engineering” was submitted to the University in 1997. The project got sanctioned and completed successfully.

**20. CONFERENCES ATTENDED/CHAIED:**

**A) Session Chaired:**

- i) National Conference on Advances in Mechanical Engineering (AIME-2006), held at Jamia Millia Islamia, New Delhi, during January 20-21, 2006.
- ii) National Conference on Trends and Advances in Mechanical Engineering (TAME-2006), held at YMCA Institute of Technology, Faridabad, during Dec. 09-10, 2006.
- iii) Nation Conference on Engineering Technology for Sustainable Development, held at Ideal Institute of Technology, Ghaziabad, during March 24-25, 2008.
- iv) National Conference on Emerging Frontiers in Mechanical Engineering for New Generation Industries, held at Ideal Institute of Technology, Ghaziabad, during March 12-13, 2011.
- v) National Conference on Trends and Advances in Mechanical Engineering (TAME-2012), held at YMCA University of Science and Technology, Faridabad, during Oct. 19-20, 2012.

**B) Attended:**

- vi) VI ISME Conference on Mechanical Engineering, held at Delhi College of Engineering, Delhi, during Jan. 24-25, 1985.
- vii) VII ISME Conference on Mechanical Engineering, held at Indian Institute of Technology, Delhi, during Feb. 01-03, 1990 (presented a paper).
- viii) Annual Paper Meeting of the Institution of Engineers (India), held at Hyderabad, during Nov. 05-07, 1994 (presented a paper).
- ix) INCARF’96 International Conference on CAD, CAM, Automation, Robotics and Factories of future, held at Jamia Millia Islamia, New Delhi, in Nov. 1996.

- x) X ISME Conference on Mechanical Engineering, held at Delhi College of Engineering, Delhi, during December 09-11, 1996.
- xi) National Conference on Management of Higher Education: 21<sup>st</sup> Century Challenges, held at Jamia Millia Islamia, New Delhi, on February 09, 2002.
- xii) National Conference on Advances in Mechanical Engineering (AIME 2006), held at Jamia Millia Islamia, New Delhi, during January 20-21, 2006.

**21. SHORT-TERM COURSES ATTENDED:**

- i) QIP sponsored course on “Using Personal Computers in Engineering Design”, held at IIT Delhi during June 01-14, 1988.
- ii) QIP sponsored course on “Engineering Materials and Design”, held at IISc Bangalore during December 11-22, 1989.
- iii) ISTE summer course on “Engineering Mechanics: Effective Methods of Teaching and Learning”, held at IIT Delhi during June 18-23, 1990.
- iv) A lecture series on “Impact Mechanics”, conducted at IIT Delhi during November 03-07, 1990.
- v) Institution of Engineers sponsored course on “Environmental Noise Pollution and its Control”, held at UOR Roorkee during September 17-23, 1992.
- vi) ISTE winter course on “Innovations in Mechanical Engineering Laboratories”, held at IIT Delhi during December 07-11, 1992.
- vii) ISTE summer school on “Finite Element Methods for Mechanical Engineering”, held at SVR College of Engineering and Technology, Surat, during June 07-19, 1993.
- viii) QIP sponsored course on “Computer Application in Experimental Mechanics”, held at IIT Kanpur during May 09-14, 1994.
- ix) A summer course on “Improvement of Instruction through Education Technology”, held at JMI New Delhi during July 25-31, 1995.
- x) A short-term training programme on “Concurrent Engineering”, held at DCE Delhi during December 18-22, 1995.
- xi) QIP summer school on “Instrumentation, Measurement and Analysis”, held at IIT Delhi during July 03-14, 2000.
- xii) QIP course on “Reliability and Maintenance of Plant and Machinery”, held at IIT Delhi during Dec. 04-08, 2000.
- xiii) A short-term course on “Advanced AutoCAD”, held at NITTTR, Chandigarh, during May 23-27, 2005.

**22. WORKSHOPS/SEMINARS ATTENDED:**

- i) National Workshop to promote the use of Indian Standards in Technical Education, held at IIT Delhi on January 19, 1987.
- ii) Seminar on Hardness Tester, held in Delhi on October 19, 1992.
- iii) National Seminar on Quality, Productivity and Entrepreneurship in Higher Technical and Management Education, held at Indian International Centre, New Delhi, on July 21, 1993.
- iv) Curriculum Development Workshop on UG course in Solid Mechanics, conducted by the Dept. of Applied Mechanics IIT Delhi, Dec. 10-13, 1993.
- v) Workshop on Quality Management and Self-Assessment, conducted by TQM Group, IIT Delhi on September 23, 1995.

- vi) Workshop on Patent Awareness, organized by Technology Information, Forecasting and Assessment Council, DST and JMI New Delhi, on Oct. 11, 2000.
- vii) Workshop on IT for All Emerging Challenges, held at JMI New Delhi on November 9, 2000.
- viii) Workshop on IT for All Faculty, held at JMI New Delhi on Feb. 7, 2001.
- ix) Workshop on Role of IT in Environmental Management held at JMI New Delhi on Feb. 24, 2001.
- x) Workshop on Curricula Review and Development, organised by the Delhi Technological University, Delhi, in August 2009.
- xi) Workshop on Curriculum Review, organised by YMCA University of Sciences and Engineering, Faridabad, on May 07, 2010.

**23. CONTRIBUTIONS TO INSTITUTIONAL CORPORATE LIFE:**

- i) Officiated as Dean, Faculty of Engineering and Technology, from December 2004 to February 2010, whenever the incumbent Dean proceeded on leave.
- ii) Served as Secretary, Jamia Mosque Committee, from Sep.2005 to May 2006.
- iii) Served as Advisor to B. Tech. (Mech.) students for several years.
- iv) Worked as B. Tech./B.E. Entrance Test Superintendent at many occasions.
- v) Worked as Tabulator, B. Tech. (Mech.) and B. E. (Mech.) examinations results for many sessions.
- vi) Worked as Asst. Examination Superintendent and Coordinator for the evaluation of B. Sc. (Engg.) Examination answer-books in Session 1992-1993.
- vii) Served Jamia Teachers Association (JTA) as a member of its Executive Committee from May 1993 to April 1995.
- viii) Planted a Tree in the Engineering Faculty Premises.

**24. MEMBERSHIP OF PROFESSIONAL BODIES:**

- i) Life Member of Institution of Engineers (India), Kolkata.
- ii) Life member of the Indian Society of Mechanical Engineers (India), Delhi.
- iii) Life member of the Indian Society for Technical Education (India), Delhi.

**25. RESEARCH PAPERS:**

**(A) National/International Journals:**

- i) A Comparative Study of Two Experimental Techniques for the Measurement of Residual Stresses in Circular Rods and Tubes of Perspex, **Journal of Strain Analysis**, Vol. 24, p163 (1989); with R. K. Mittal.
- ii) A Study on the Effects of Various Parameters on Residual Stresses in Transparent Polymeric Tubes, **Journal of Polymeric Processing Society**, Vol. 2, p142 (1990); with R. K. Mittal.
- iii) Application of Photo-elastic Technique to Study Short-term Stress Relaxation Phenomenon in Circular Polymeric Tube and Rod, **Journal of the Institution of Engineers (India)**, Vol. 75, p126 (1994).
- iv) Attribute-based Literature Analysis: Coding, Evaluation and Selection, **Journal of the Indian Society of Technical Education**, Vol. 25, No. 4, p79 (2002); with S. Grover and V.P. Agrawal.

- v) Coding, Evaluation and Selection of Technical Institute -- A MADM Approach, **Journal of the Indian Society of Technical Education**, Vol. 26, No. 4, p60 (2003); with V.P. Agrawal, S. Gupta and Q. S. Ahmad.
- vi) SWOT Function Deployment to Maintenance Strategies, **Journal of the Institution of Engineers (India)**, Vol. 83, p41 (2003); with Abdul Mubeen and V. P. Agrawal.
- vii) A Digraph Approach to TQM Evaluation of an Industry, **International Journal of Production Research**, Vol. 42, No. 19, p4031 (2004); with S. Grover and V.P. Agrawal.
- viii) Human Resource Performance Index in TQM Environment, **International Journal Management Practice**, Vol. 1, No. 2, p131 (2005); with S. Grover and V.P. Agrawal.
- ix) Role of Human Factors in TQM – A Graph Theoretic Approach, **Benchmarking – An International Journal**, Vol. 13, No. 4, p447 (2006); with S. Grover and V.P. Agrawal.
- x) Interactive Weighted Distance Approach for Identification of Distinct Mechanisms Derived from Kinematic Chains, **International Journal of Applied Engineering Research**, Vol. 3, No. 9, p1217 (2008); with M. K. Lohumi and Aas Mohammad.
- xi) A New Identification String for Kinematic Chains and their Derived Mechanisms, **International Journal of Applied Engineering Research**, Vol. 5, No. 1, p121 (2010); with M. K. Lohumi and Aas Mohammad.
- xii) The Analysis of 2-D Contact Stresses for Different Spur Gear Design Parameters, **International Journal of Applied Engineering Research**, Vol. 5, No. 8, p1441 (2010); with Ali Kamil and Y. Nath.
- xiii) Coding, Evaluation and Selection of Gas Turbine Systems, **MR International Journal of Engineering**, Vol. 2, No. 1, p27 (2010); with Naresh Yadav and Sandeep Grover.
- xiv) Operational-Economics Based Evaluation and Selection of a Power Plant Using Graph Theoretical Approach, **International Journal of Energy and Power Engineering**, Vol. 3, No. 4, p249 (2010); with Naresh Yadav and Sandeep Grover.
- xv) Modeling and Analysis of Simple Open Cycle Gas Turbine Using Graph Network, **International Journal of Energy and Power Engineering**, Vol. 3, No. 4, p260 (2010); with Naresh Yadav and Sandeep Grover.
- xvi) Dynamic Contact Between Rotating Spur Gears by Finite Element Technique, **International Journal of Engineering Research and Industrial Applications**, Vol. 4, No. 1, p183 (2011); with Ali Kamil and Y. Nath
- xvii) Three Dimensional Dynamic Contact Between Rotating Spur Gears Using Finite Element Technique, **International Review of Mechanical Engineering**, Vol. 5, No. 1, p64 (2011); with Ali Kamil and Y. Nath.
- xviii) Numerical and Experimental Dynamic Contact of Rotating Spur Gears, **Modern Applied Science**, Vol.5, No.2, p254 (2011); with A. Kamil, Y. Nath.
- xix) A Graph Theoretical Approach to Quality Evaluation of a Typical Gas Turbine System, **International Journal of Multidisciplinary Sciences and Engineering**, Vol. 2, No. 2, p07 (2011); with Naresh Yadav and S. Grover.
- xx) A Kaleidoscopic View of Psychology in Design for Maintainability of Mechanical Systems: A Review, **Journal of Engineering, Design and Technology**, Vol. 9, No. 3, p347 (2011); with S. Kumar and O. P. Gandhi.

- xxi) Application of AHP in Measuring and Comparing Quality of Manufacturing Industries, **International Journal of Multidisciplinary Sciences and Engineering**, Vol. 2, No. 3, June 2011; with Mohit Singh and Sandeep Grover.
- xxii) Web Based Gas Turbine System Design: A Novel Framework, **Journal of International Academy of Physical Sciences**, Vol. 15, SP2, 2011; with Naresh Yadav and Sandeep Grover.
- xxiii) Selection of Manufacturing Process Using Graph Theoretic Approach, **International Journal of Systems Assurance Engineering and Management**; Vol. 2, No. 4, pp. 301-31 (2011); with M. Singh and S. Grover.
- xxiv) Structural Modeling of a Typical Gas turbine System, **International Journal of Frontiers in Energy**, Vol. 6, No. 1, pp57-79 (2012); with Naresh Yadav and Sandeep Grover.
- xxv) Development and comparison of quality award: based on existing quality awards, **International Journal of Systems Assurance Engineering and Management**, Vol. , No. , pp. 209-220 (2012); with Mohit Singh and Sandeep Grover.
- xxvi) Hierarchical clustering approach for determination of isomorphism among planar kinematic chains and their derived mechanisms, **Journal of Mechanical Science and Technology**, Vol. 26, No. 12, pp. 4041-4046; with Manoj Kumar Lohumi, Aas Mohammad.
- xxvii) Assessment and Selection of Vendor in a Manufacturing Organization A Graph Theoretic Approach, **International Journal of Logistics Systems and Management**, Vol. 14, No. 04, pp. 447-471 (2013); with Mohit Singh, Sandeep Grover.
- xxviii) Coding, Evaluation and Selection of Gas Turbine Fuels, **International Reviews in Mechanical Engineering**, (in Press); with N. Yadav & S. Grover.
- xxix) Non-linear Dynamic Contact Between Rotating Spur Gears, **British Journal of Applied Science and Technology** (in press); with Ali Kamil and Y. Nath.
- (B) **National/International Conferences:**
- xxx) Synthesis of Seven-link planar Linkages using Nonlinear Programming, **Proc. International Symposium on Design and Synthesis**, Tokyo, July 11-13, 1984, p379; with S. H. Mohsin and M. A. K. Zobairi.
- xxxi) An Efficient Nondestructive Technique for Monitoring Extrusion Stresses in Circular Rods and Tubes of Transparent Polymers, **Proc. 1987 Spring Conference on Experimental Mechanics**, Huston, June 14-19, 1987, p778; with R. K. Mittal and V. Rashmi.
- xxxii) Measurement of Residual Stresses in Circular Tubes of Polymethyl Methacrylate (PMMA), **Proc. VI International Congress on Experimental Mechanics**, Elsevier Applied Science Publishers, UK, 1988, p1118; with R. K. Mittal.
- xxxiii) Some Experimental Techniques to Measure Residual Stresses in Transparent Polymeric Tubes and Rods, **Proc. VII ISME Conference on Mechanical Engineering**, Tata McGraw-Hill Publishing Co. Ltd., New Delhi, p113 (1990); with R. K. Mittal.
- xxxiv) Computer Aided Evaluation and Selection of Optimum Production System, **Proc. INCARF'96 International Conference on CAD, CAM, Automation, Robotics and Factories of Future**, Narosa Publishing House, New Delhi, p237 (1997); with H. Mehmood and V. P. Agrawal.



- xxxv) Evaluation of Environmental Compatibility Index of a Production System Using Graph Theoretic Approach, **Proc. XII ISME Conference on Mechanical Engineering**, Chennai, Jan. 10-12, 2001, p29; with H. Mehmood and V. P. Agrawal.
- xxxvi) SWOT Function Deployment for Product Development, **Proc. XII ISME Conference on Mechanical Engineering**, Chennai, Jan. 10-12, 2001, p413; with V.P. Agrawal.
- xxxvii) Coding, Evaluation and Selection of Optimum Mechanisms for Mechanical System Design, **Proc. IPROMM-2000 Conference on Industrial Automation and Applications**, Nagpur, Jan. 18-20, 2001, p3; with V.P. Agrawal.
- xxxviii) A Systems Approach for Evaluation and Selection of Engineering Institute, **Proc. National Conference on the Management of Higher Education: 21<sup>st</sup> Century Challenges**, New Delhi, Feb. 9, 2002; with V.P. Agrawal.
- xxxix) Maintenance Strategies Formulation A SWOT Function Deployment Approach, **Proc. International Symposium on Vibration Monitoring and Diagnostics VMD-2001**, Karachi, Feb. 16, 2002; with Abdul Mubeen and V. P. Agrawal.
- xl) Evaluation and Analysis of Technical Institute — A Hierarchical Coding Approach, **Proc. International Conference on CAD, CAM, Robotics and Autonomous Factories – INCARF 2003**, Delhi, Aug. 11-13, 2003; with V. P. Agrawal.
- xli) Factor Identification for Effective Industrial Training in Technical Institutes, **Proc. National Conference on Advances in Mechanical Engineering (AIME 2006)**, New Delhi, January 20-21, 2006, p223; with V. K. Bansal and S. Grover.
- xlii) Compromising Design Considerations in Gas Turbine - A Critical Analysis, **Proc. National Conference on Advances in Mechanical Engineering (AIME 2006)**, New Delhi, January 20-21, 2006, p240; with N. Yadav and S. Grover.
- xliii) Evaluation and Selection of an Optimal Mechanical System -- An MADM Approach, **Proc. National Conference on Advances in Mechanical Engineering (AIME 2006)**, New Delhi, January 20-21, 2006, p281; with V. Ali and S. M. Muzakkir.
- xliv) Thermodynamic Performance Evaluation of a Simple Cycle Gas Turbine Engine with Free Turbine: A Graph Theoretical Approach, **Proc. National Conference on Emerging Trends in Mechanical Engineering (ETIME 2006)**, Mangalore, February 10-11, 2006; with N. Yadav and S. Grover.
- xlv) Axial Flow Compressor Blade Design Using Rule Based Fuzzy Frames, **Proc. International Conference on Advances in Mechanical Engineering (TEAMTECH 2006)**, Bangalore, February 28-March 02, 2006; with Naresh Yadav and S. Grover.
- xlvi) Status of ISO: 9000 in India, **Proc. Nation Conference on Quality, Reliability and Maintainability Aspects in Engineering Systems**, Hamirpur, December 27-28, 2007; with Mohit Singh and S. Grover.
- xlvii) Selecting Automated Manufacturing System Based on Performance using AHP, **Proc. Nation Conference on Engineering Technology for Sustainable Development**, Ghaziabad, March 24-25, 2008; with Mohit Singh and S. Grover.

- xlvi) Contribution of QMS ISO: 9000 in Sustainable Development, **Proc. National Conference on Engineering Technology for Sustainable Development**, Ghaziabad, March 24-25, 2008; with Mohit Singh and S. Grover.
- xlx) Investigation for Forming Spur Gear Tooth Profile, **Proc. International Conference on Emerging Technologies in Environmental Science and Engineering**, Aligarh, October 26 - 28, 2009; with Ali Kamil and Y. Nath.
  - 1) An Effective Path of Contact of Involute Spur Gear Tooth Profile, **Proc. International Conference on Advances in Mechanical Engineering (ICAME-2010)**, Surat, January 04-06, 2010; with Ali Kamil and Y. Nath.
  - li) Quality Measures for Performance Enhancement of Manufacturing Industries, **Proc. National Conf. on Advances in Material and Product Design**, SVNIT, Surat, November 22–23, 2010; with Mohit Singh and Sandeep Grover.
  - lii) Comparison of ISO 9000:2008 & ISO 9000:2000, **Proc. National Conference on Emerging Frontiers in Mechanical Engineering for New Generation Industries**, Ideal Institute of Technology, Ghaziabad, March 12 – 13, 2011; with Mohit Singh and Sandeep Grover.
  - liii) Application of AHP in measuring quality of manufacturing Industries, **Proc. National Conference on Excellence in Technology and Management**, Sunderdeep Engineering College, Ghaziabad, May 07–08, 2011; with Mohit Singh and Sandeep Grover.
  - liv) Web Based Gas Turbine System Design: A Novel Framework, **Proc. International Conference on Emerging Interfaces of Physical Sciences in Technology (CONIAPS-XIII 2011)**, Dehradun, June 14-16, 2011; with N. Yadav and S. Grover.
  - lv) A Systematic Approach for Health Assessment and diagnostics of Gas Turbine System, **Proc. International Conference on Recent Advances in Mechanical Engineering (NCRAME-2011)**, Guntur, July 07-08, 2011; with N. Yadav and S. Grover.
  - lvi) Assessing Quality of Manufacturing Organizations – A Graph Theoretic Approach, **Proc. IEEE International Conference on Industrial Engineering and Engineering Management**, Singapore, December 2011; with Mohit Singh, Sandeep Grover, and S. C. Gupta.
  - lvii) Application of AHP in Selection of Vendor for Manufacturing Industries, **Proc. International Conference on Manufacturing Excellence**, Amity University, Noida, March 29-30, 2012; with Mohit Singh and Sandeep Grover.
  - lviii) Study of Quality system Techniques: A Review, **Proc. National Conference on Computer Aided Design And Technology**, Maharaja Agrasen Institute of Technology, Delhi, and 21st April 2012; with Mohit Singh and Sandeep Grover.
  - lix) Robot Gripper Design Using Axiomatic Approach, **Proc. Second International Conference on Engineering, Technology and Management (ICTEM Sep2012)**, Tirupati, September 07-08, 2012; with Sadaf Alam.
  - lx) Finite Element Model Updating, **Proc. National Conference on Trends and Advances in Mechanical Engineering (TAME 2012)**, YMCAUST, Faridabad, Oct. 19-20, 2012; with Hasan Zakir Jafri and S M Muzakkir.

- lxi) Tools and Techniques for Quality Measurements in Manufacturing Industries, **Proc. National Conference on Trends and Advances in Mechanical Engineering (TAME 2012)**, YMCAUST, Faridabad, Oct. 19-20, 2012; with Mohit Singh and Sandeep Grover.

March 10, 2013

PROF. IRSHAD AHMAD KHAN