

RESUME PERFORMA



1. Name: **Dr. Badshah Alam**
2. Father's Name: Late Mr. Mohd. Mustaqueem
3. Date of Birth: 20-September, 1963
4. Marital Status: Married
5. Designation: Associate Professor/
6. Office Address: University Polytechnic, Mechanical Engg. Section,
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New Delhi-110025.
8. Permanent Address: Att & P.O. Thawe, P.S. Thawe
Distt. Gapal Ganj,Bihar, Pin- 841440
9. Nationality: Indian
10. Date of Joining Service in JMI. 15-September, 1984 (Regular)
11. Field of Specialization: Solar Energy Utilization, Refrigeration &
Air- Conditioning, Manufacturing Processes.
12. Teaching Experience: More than 33 Years.
13. Research Experience: More than 10 Years.

14. Employment Profile:

| Sl.No. | Designation | Institution /University | Duration |
|--------|----------------------------|---------------------------------|----------------|
| 1. | Associate Professor | Jamia Millia Islamia, New Delhi | 2010 till date |
| 2. | Senior Lecturer | Jamia Millia Islamia, New Delhi | 2002 to 2009 |
| 3. | Lecturer | Jamia Millia Islamia, New Delhi | 1995 to 2001 |
| 4. | P.G.T.(General Foundation) | S.S.C., Jamia Millia Islamia. | 1987 to 1994 |
| 5. | Instructor | Jamia Millia Islamia, New Delhi | 1984 to 1986 |

15. Academic Qualifications (From Highest Degree to High School):

| Sl.No. | Qualifications | Institution/University | Year | Division | Subject |
|--------|----------------|------------------------|------|----------|------------------|
| 1. | Ph.D | Jamia Millia Islamia | 2014 | First | Mechanical Engg. |
| 2. | M.Tech | IIT Delhi | 2004 | First | Energy Studies |
| 3. | B.E. | Jamia Millia Islamia | 1995 | First | Mechanical Engg. |
| 4. | Dip. In .Engg | A.M.U. Aligarh | 1983 | First | Mechanical Engg. |
| 5. | P.U.C. | A.M.U. Aligarh | 1980 | First | Science |
| 6. | High School | Bihar Board Patna | 1979 | First | Science |

16. Details of Academic Work:

Curriculum Development:

- I. Prepared a lab manual of machine shop for the students of Dip in Engg. (Mechanical) IIIrd Year, JMI New Delhi.
- II. Prepared a lab manual of renewal source laboratory of Mechanical Engg. for the final year students of Dip in Engg. JMI, New Delhi-110025.
- III. Develop curriculum of one year Dip in Refrigeration & Air-conditioning after 10+2 passed students for **Deen Dayal Upadhyay Kaushal Kendra**, in Community College Scheme of UGC, sponsored by Ministry of Human Resource Development, Govt.of India.
- IV. Act as a coordinator Dip in Engg evening programme for two years.
- V. Act as a Nodal Officer in Community College, of **Deen Dayal Upadhyay Kaushal Kendra**, w.e.f. July 2015 till date.

17. Subject Though

- Energy sources (conventional and non-conventional power generation)
- Manufacturing Process- I, II.
- Power Plant Engineering.
- Industrial Management.
- Engineering Drawing.

18. Project Work

- “**Design and Development of Noryl air Heater**”. A 6 Credit Minor Project at M.Tech. Level under the guidance of Prof. N.D. Kaushika, Centre of Energy Studies, India Institute of Technology (IIT), New Delhi-110015 (INDIA).
- “**Measurement and Analysis of Photo Voltaic System-Mud House**”, 12 Credit major project work / Dissertation 6-month duration at M.Tech level at Indian Institute of Technology, New Delhi under the supervision and guidance in partial fulfillment of requirement for the degree of Master of Technology in Energy Studies, Prof. G.N. Tiwari and Dr. J.S. Joshi Indian Institute Technology Delhi-110015.

19. Publications of Paper in Journals/Seminars

- I. “A case study to fulfill the requirement of low income group (LIG) house by installing PV Panel” Interaction Journal of scientific research, Vol-1, issue for, Sept. 2012.
- II. “Annual Performance of Passive and Hybrid (PVT) Active Solar Stills” VSRD International Journal of Mechanical, Automobile & production Engineering, Vol-2(6), pp.1-4, 2012.
- III. Presented a paper entitled “Devices for Highly Accurate Flow Measurement” Proc.of National Seminar on Materials & Devices (MD-2002), in M.J.P. Rohilkhand University, Bareilly. (U.P.)
- IV. Presented a paper entitled “Design and Development of Noryal Solar Air-Heater” in the International Conference on Advance in Energy Research, (ICAER-2007), IIT – Bombay, pp. 187-190, December, 2007.
- V. Presented a Paper in entitled “Thermal Performance of Grooved Configuration Solar Air Heater”, Proc. Of National Conference on Advances in Heat Transfer and Fluid Dynamics, AMU Aligarh, 16-17 September, 2006, Aligarh, pp 394-399.
- VI. Presented a Paper in entitled “Life cycle cost analysis of passive and active Solar Stills” Proc. Of International Conference on Energy Security, Global Warming and Sustainable climate(Solaris 2012), BHU, Varanasi, Feb- 2012.

20. Conferences/Seminar Attended:

- I. Organized two days “Technical Training Seminar on Skill Development of Refrigeration & Air-Conditioning on 15th & 16th March 2016 in the collaboration of ETA General Pvt.Ltd. and University Placement Cell, Jamia Millia Islamia, New Delhi-110025.
- II. Technical Session Chair at 12th “IEEE Indicon 2015” held during 17th - 20th December, 2015.Organized by Department of Electrical Engineering, F/O Engineering & Technology, Jamia Millia Islamia, New Delhi-110025.

- III. “National Seminar on Physics of Material”, JMI (Feb, 29th to March 1st 2002).
- IV. “Work –Shop on Nano-Materials” , JMI (Nov 1, 2002)
- V. “Work –Shop on Nano-Materials”(March 11, 2003)
- VI. “Ninth International work-shop on Physics of Semiconductor Devices:, Department of Physics, Jamia Millia Islamia, New Dellhi-110025. (December 16th -20th 1997).
- VII. Participation and Presentation of a paper entitled “Devices for Highly Accurate Flow Measurement” in the National Seminar on Materials & Devices Organized by the MJP Rohilkhand University, Bareilly, (India) during March 9th 10th 2002.
- VIII. Participation in National Seminar for “Recent Trained in Computer Science” March 30th 2016. Organized by Department of Computer Science, Jamia Millia Islamia, New Delhi-110025.
- IX. Participation in National Workshop cum Seminar on “Indian Energy Scenario & Energy Security” under continuing education programme (CEP), on 22nd, January 2008, organized by Petroleum Conservation Research Association (PCRA), and Centre for Energy Studies, IIT Delhi.

21. Project Guide:

- I. Performance Assessment of a single cover passive and Active Solar Still for removal of salt and other impurities from Water a Diploma in Engineering level Project.
- II. Performance Assessment and analysis of a double slop single cover passive and Active Solar Still for removal of salt and other impurities from Water a Diploma in Engineering level Project.
- III. Measurement and analysis of single slop double cover solar still a Diploma in Enigneering level Project.
- IV. Design and development of Solar Water Heater a Diploma in Engineering level Project.
- V. A Project Report on solar Stills for Diploma in Mechanical Engineering.
- VI. A Project Repot on Study & Reckoling of Solar Comfort System.
- VII. A Project Report “Designing, Selection of Equipments & Cost Estimation of Central Air-Conditioning Plant of Computer Lab, University Polytechnic, JMI.

22 Administrative Assignment in JMI.

- I. Appointed as a “Assistant Superintendent” of the B-Tech Entrance Examination of Faculty Of Engineering & Technology JMI, 2003, 2004, 2005, 2012, 2013, & 2014.
- II. Appoint Observer for the Entrance Test 2015, Faculty Of Engineering & Technology JMI.

- III. Electric Repetitive of executive member of Academic Council JMI, from F/o of Engg & Technology, for three years 2007 to 2009.

23. Membership of Technical Organizations:

- Members of Board of Studies of Mechanical Engg Section, University Polytechnic, AMU, Aligarh U.P.
- Membership of Technical Organizations: • Life member of Indian society of Technical Education, New Delhi.

24. Short Term Training Programme attended:

- I. Participation in the 48th four – week orientation course from 9th to 7th June 2000. Organized by the UGC –AICTE and Jamia Millia Islamia, New Delhi-110025.
- II. Participation in a two week Sort Term Training Programme from June 18-30,2001 on “ENERGY TECHNOLOGY AND MANAGEMENT SUSTAINABLE PERSPECTIVE” organized by Department of Mechanical Engg., Birla Institute of Technology, Mesra, Ranchi – 835215.
- III. Participation in a two week Training Programme from July 2nd July 13th 2001 on “Fuels & Combustion” Organized by the Department of Mechanical Engg. Sant Longowal Institute of Engg. & Technology, Sangrur (Punjab)- 148106.
- IV. Participation in a two week Training Programme from 19th November to 29th November 2001 on “MODERN TRENDS IN INFORMATION TECHNOLOGY” organized by Government Polytechnic Gopal Ganj Bihar – 841428.
- V. Participation in a two week Training Programme from 2nd June to 13th June 2003 on “REPAIR & MAINTENANCE OF WORKSHOP EQUPLMENTS AND MACHINES” organized by Government of Polytechnic, Gopal Ganj, Bihar- 841428.
- VI. Participation in a two week Training Programme from 16th Feb, to 27th Feb, 2004 on “CALME: COMPUTER AIDDED LEARNING IN MECHANICAL ENGINEERING” organized by University Polytechnic, Jamia Millia Islamia, Central University, New Delhi-110025.
- VII. Participation in a two week Training Programme from 18th March to 29th March 2004 on “COMBUSTION GENERATED POLLUTION” organized by Mechanical Engg. Department, Faculty of Engg. & Technology, JMI, New Delhi-110025.
- VIII. Participation in a two week Training Programme from 21st June to 02 July, 2004 on “PROGRAMMING & PROBLEM SOLVING THROUGH VISUAL BASIC” organized by Government of Polytechnic, Gopal Ganj, Bihar- 841428.

- IX. Participation in a two week Training Programme from 23rd August to 3rd September 2004 on “AUTO-CAD” organized by Mechanical Engg. Department, Faculty of Engg. & Technology, JMI, New Delhi-110025.
- X. Participation in a two days workshop on Review of the Study Material for Diploma in power generation engineering on 1st & 2nd November, 2004 for distance mode students organized by the center for distance and open learning JMI, New Delhi-110025.
- XI. Participation in a two week Training Programme from 16th March 2005 to 30th March 2005, “Computer Aided Learning in Engineering & Technology: CALET” Organized by University Polytechnic, F/O Engineering & Technology, Jamia Millia Islamia, New Delhi-110025.
- XII. Participation in a one week Training Programme from 19th March 2007 to 23rd March 2007, “Hazardous waste Management” Organized by University Polytechnic, F/O Engineering & Technology, Jamia Millia Islamia, New Delhi-110025.
- XIII. Participation in a two week Training Programme from 8th February to 22th February 2008, under the sponsorship of QIP programme, A.I.C.T.E., Govt. of India on “Utilization of Solar Energy & its Applications” organized by Centre for Energy Studies, IIT Delhi.
- XIV. Participation in a two week Training Programme from 10th July to 25th July 2008, on “Alternative Sources of Energy” organized by Centre for Energy Studies, IIT Delhi.
- XV. Participation in a one week Training Programme from 4th February to 10th February 2010, under the sponsorship of quality improvement programme, A.I.C.T.E., Govt. of India, on “Alternative Source of Energy” organized by Centre for Energy Studies, IIT Delhi.
- XVI.

25. Current Research Interest

- I. Solar Energy System
- II. Environmental Engineering.
- III. Power Generation.
- IV. Production Engineering