

Ahmed Riyaz

C-77, Street-8, Brahmampuri, Near Shastri Park, New Delhi-110053

Sex:	Male	Marital Status:	Married
Date of Birth:	15/06/1986	Nationality:	Indian
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Objective

To be a part of an Institute, where my creative initiative, ideas and a genuine enthusiasm would allow me to progress and offers me the opportunity to develop new skills while strengthening those I already possess.

Summary

- **Working as Assistant Professor and acting HoD at ERE Deptt., BGSBU, Rajouri**
- **Pursuing PhD from IIT(ISM), Dhanbad under Prof. (Dr.) Pradeep Kumar Sadhu (HoD, EED, IIT(ISM)) & Prof. (Dr.) Atif Iqbal**
- **Teaching Experience: 5.5 Years + Research Experience: 2 Years**
- **Established Electrical Machines Lab at BBDIT, Ghaziabad**
- **Organised Workshop on 'Matlab & Simulink' as Co-ordinator** at RGGI in association with Innovatics e-Systems & e-Solutions on 19-20 Oct.'12
- Worked as **SRF (Team Leader)** at **IIT Roorkee** in an MHRD Sponsored R & D Project "Development of open-source Simulation Packages equivalent to Matlab/Orcad facilities for e-learning", project completed. **Developed models are available online and can be simulated online at <http://www.sos-tools.org/>**
- Attended **IEEE Workshop "Revitalizing Power Education"** at **IITD for advancement and quality education of Engineering in India** on 23 Nov.'12 as **College representative** of RGGI, Meerut
- Passed **IELTS** Examination with 6.5/9 Band-Score
- **Reviewer for 7th IEEE-GCC 2013**
- **Reviewer for** Energy and Power Engineering (EPE), published by Scientific Research Publishing
- **Reviewer for** International Journal of Ambient Energy (Taylor & Francis)
- **Co-ordinator and In-charge for Quality Conduct of Projects** of all B. Tech (Final Year) Students of Electrical Engineering Department, RGGI, Meerut
- Attended **short-term course "Advances in Power Electronics & Renewable Energy"** at **ISM, Dhanbad** from 7th July'14 to 11th July'14
- Attended **Professional Development Programme "Advanced Power Electronics and Power Quality"** from 05th -10th July, 2015 at **ISM, Dhanbad**
- Research **Publications: 4**
- Qualified **GATE** with **92.26 percentile**
- Secured **2nd Rank at M.Tech.**
- Awarded with MHRD (Govt. Of India) GATE Scholarship at M.Tech on merit basis
- **Offered for job in M/S Accenture through Campus Placement in B.Tech(Final)**
- Awarded with various prizes and certificates at school level for interest in Debate, Quiz Competition, Urdu Poetry, *drama*, rankings in class

Work Experience

- Worked as **Asstt. Prof.** at Electrical Engineering Department, BBDIT, Ghaziabad, UP from 21/07/2013 to 07/09/2016
- **Visiting faculty** at BBDIET & RC, Jahangirabad, Bulandshahar during session 2014-15
- Worked as **Asstt. Prof.** at Electrical Engineering Department, RGGI, Meerut, UP from 04/08/2012 to 15/07/2013
- Worked as **Senior Research Fellow** at Deptt. Of Electrical Engg., IIT Roorkee from 14/02/2011 to 03/08/2012

- Worked as **Lecturer** at Electrical & Electronics Engineering Department, NIEC, New Delhi from 16/08/2010 to 13/02/2011
- **Visiting faculty** for B.E (Evening), ZHCET, AMU, Aligarh from 01/04/2010 to 30/06/2010
- Worked as **Lecturer** at Electrical Engineering Department, ZHCET, AMU, Aligarh from 01/04/2010 to 01/06/2010

Invited Lectures

- Lecture on "Application of MATLAB" at EED, AMU in September 2012
- Lecture on "Application of SIMULINK" at RGGI, Meerut on 19 Oct.'12
- Lecture on "Induction Machine Analysis Using SIMULINK" at ERED, SOET, BGSBU on 19 Nov.'16

Area of Interest

- **Power Electronics**
- **AC Drives and DC Drives**
- **Multi-phase Drives System**
- **Electrical Machines**
- **Renewable Energy**
- **Open-Source Simulation Software Development**

Academic/Prof. Qualification

Academic/Prof. Degree	Year (From-to)	College/School	University/Board	Result
PhD	2014-	ISM, Dhanbad	ISM, Dhanbad	To be submitted
M.Tech (Power System & Drives)	2007- 2009	ZHCET, AMU Aligarh (UP)	AMU	77.51%
B. Tech (Electrical Engg).	2003- 2007	ZHCET, AMU Aligarh (UP)	AMU	7.823 CPI
Senior Secondary School Certificate (XII th)	2003	Senior Secondary School, AMU Aligarh (UP)	AMU	74%
Secondary School Examination (X th)	2001	Govt. Boys Senior Secondary School No.-1, C-Block, Yamuna Vihar, New Delhi-110053	CBSE	69%

Research Publications

- **Ahmad Riyaz**, Iqbal, A., Saleh, M., Kalam, A. (2013), "Performance Analysis of Soft Starter Based Control of Five-phase Induction Motor", 2013 **IEEE PES General Meeting**, 21 - 25 July 2013, Vancouver, BC, Canada, CD-ROM paper.
- **Ahmed Riyaz**, S P Singh, S K Singh; "Potential Benefits of Self-excited induction generator (SEIG) in Distributed Generation" **ETDG-2012, NIEC, GGSIP University, New Delhi**
- **Ahmed Riyaz**, Atif Iqbal, Shaikh Moinoddin, Sk. Moin Ahmed, Haitham Abu-Rub; "Comparative Performance Analysis of Thyristor and IGBT based Induction Motor Soft Starters", *International Journal of Engineering, Science and Technology*-Sept-2009, pp. 90-105, **ISSN 2141-2839 (Online); ISSN 2141-2820 (Print)**
- Mohammed Asim, M.A.Mallick, **Ahmed Riyaz**; "Comparison Of MPPT Strategies For Solar Modules Under Rapidly Changing Atmospheric Conditions", *International*

Dissertation and Projects

- **M.Tech Dissertation:** Performance analysis of a five-phase induction motor for variable voltage supply
- **M.Tech Project:** Performance analysis of a three-phase induction motor for variable voltage supply
- **B.Tech Project (Major):** Modelling and Simulation of vector controlled induction machine drive.
- **B.Tech Project (Minor):** Electrical Machine Design I: Induction Motor, Specification: 50kW, 1.1kV, 3-Phase, 750 rpm, Wound Rotor
- **B.Tech Project (Minor):** Electrical Machine Design II: Transformer, Specification: Three-phase 60kVA, 11000/440V, Core Type Distribution Transformer, Δ/Y connected with 5% tapping
- **B.Tech Project (Minor):** Power System Design: An Overhead Transmission Line to transmit 225 MW of Power to a distance of 200 km at 0.85 power factor lagging
- **M.Tech Seminar I:** Transient Stability and Voltage Regulation Enhancement via Co-ordinated Control of Generator Excitation and SVC
- **M.Tech Seminar II:** An Improved Starting Strategy for Voltage-Source Inverter Fed three-Phase Induction Motor Drives under Inverter Fault Conditions.

Software Skills

- Known Softwares : **Matlab/ Simulink, Scilab, Modelica**, Visio, MS Office
- Language Known : C/C++ Programming
- Operating System : Windows (98/Xp/Vista/7), Linux.

Extra-Curricular Activities

- Participation in debates, Urdu poetry
- Participation in quiz competition
- Playing badminton
- Computer games that require brain skills
- Reading story books.

Languages known

- ✓ English, Hindi & Urdu.

Referees

1. Dr. Atif Iqbal
Department of Electrical Engineering
Qatar University, Qatar
2. Prof. (Dr.) Pradeep Kumar Sadhu
Professor & Head, Electrical Engg. Deptt.,
ISM, Dhanbad
3. Prof. (Dr.) R P Maheshwari
Professor & Director (RKGIT, Gzb.)
Professor, IIT Roorkee (on-leave)

(Ahmed Riyaz)