

TASADUQ HUSSAIN



Assistant Professor
Department of Electrical & Renewable Energy Engineering
College of Engineering and Technology
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Education

Ph.D. (pursuing)	Indian Institute of Technology Delhi
M-Tech	Power System & Drives, Department of Electrical Engineering, Aligarh Muslim University, 2008
B-Tech	Electrical Engineering, Department of Electrical Engineering, Aligarh Muslim University, 2006

PROFESSIONAL /ACADEMIC EXPERIENCE

- **Assistant Professor**, Department of Electrical & Renewable Energy Engineering, Baba Ghulam Shah Badshah University, Rajouri (Jammu and Kashmir) (2009-present)
- **Assistant Professor (On Contract)**, Department of Electrical Engineering, National Institute of Technology, Srinagar (Jammu and Kashmir) (March 2009- November 2009)

Teaching

Lecture Courses	Lab Courses
Electric Drives	Electric Dives Lab
Power Electronics	Power Electronics Lab
Electrical Machines	Electrical Machines Lab
Control	Signal and Systems Lab
Digital Electronics	Digital Electronics Lab
Basic Electrical Engineering	Basic Electrical Engineering Lab

Research Area

1. Multilevel Converters
2. Power Quality
3. Drives

PUBLICATIONS

1. T. Hussain and A. Das, "Dodecagonal space vector PWM for cascaded H-bridge based STATCOM," *2017 4th IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics (UPCON)*, Mathura, 2017, pp. 150-155.
2. H. Bhat, N. Langer, T. Hussain and P. Agarwal, "Synthesis and performance investigation of a digitally controlled three-phase neutral-point clamped bidirectional rectifier," in *IET Power Electronics*, vol. 5, no. 8, pp. 1397-1407, September 2012.
3. T. Hussain, S. K. Moin Ahmed, A. Iqbal and M. R. Khan, "Five-phase induction motor behaviour under faulted conditions," *2008 Annual IEEE India Conference*, Kanpur, 2008, pp. 509-513.

SHORT TERM COURSES / WORKSHOPS ORGANISED

1. One week workshop on " PCB Designing and PIC Microcontrollers" from 24th -27th October 2013.
2. Three week workshop on " Winnovation Certified Solar Energy Training Program" from 13th to 28th February, 2019.
3. Two Day workshop on "Technical & Scientific Manuscript Preparation with LaTeX" from 25th to 26th September, 2019.
4. One week workshop on "Design in Power Electronics" from 6th -10th February 2020.

SHORT TERM COURSES / WORKSHOPS ATTENDED

1. One week workshop on "RFID and Microcontroller based pervasive computing" From 22nd to 26th April, 2013.
2. Three week Refresher Course on "Basic and Applied Science" from 7th -27th May 2013 at University of Kashmir.
3. One week workshop on "Power electronics: applications in renewable energy systems" From 22nd to 26th April, 2019.

ACHIEVEMENTS

- Qualified GATE in first attempt with all India rank of 1139.
- Awarded Certificate for the short-term course on "**Modeling and Simulation of High Performance AC Drives**" held on January 07-12, 2008.

TECHNICAL SKILLS

Programming Languages: DSP, FPGA, MATLAB/SIMULINK, C

PERSONAL DETAILS

Date of Birth: October 05, 1981
Place of Birth: Anantnag, Jammu & Kashmir
Marital Status: Married.
Languages Known: English, Urdu, Kashmiri & Arabic

PERMANENT ADDRESS

Ashajipora, near I.T.I,
District Anantnag,
Jammu and Kashmir-192101