

Md Aftab Alam

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**Experience:**

Sr. No.	Company/Institute	Location	Position	Period
1	Hindustan College of Sc. & Tech.	Agra	Lecturer	August 2006 – August 2007
2	Reliance Industries Limited	Vadodara/ Jamnagar	Manager (Maintenance)	September 2007 – August 2010
3	Nirma University	Ahmedabad	Lecturer	August 2010 – May 2011
4	Ganpat University	Mehsana	Assistant Professor	June 2013 – January 2016
5	Aliah University (Govt. of W. B.)	Kolkata	Assistant Professor	January 2016 – Till date

- Highest points in the inaugural performance appraisal at the Electrical Department, UVPCE, Ganpat University.
- Youngest member to be inducted into group of Trainers at Reliance –Vadodara site.
- All the students' feedbacks of the completed semester at Nirma University: Excellent
- All the students' feedback at Ganpat University: Outstanding.
- Highest band achieved, in the English Language Test of Ganpat University (GELTS, on the pattern of IELTS), among the faculty members of core engineering.
- Held the positions of Chief Proctor of Final year B. Tech. students, UG Project Coordinator, member of Lab Development Committee & Purchase Committee at UVPCE, Ganpat University; also developed new project lab there. Guided the most number of projects at Electrical Engineering Department, UVPCE, Ganpat University, during the tenure. Member of institute level 'Academic Audit Committee' at UVPCE, Ganpat University.
- Served as officiating head of the department of electrical engineering at Aliah University from August – 2107 to August – 2018.

Education:

Sr. No.	Course	Year of passing	Board/University	Class/ Division
1	Matriculation	1998	Bihar School Examination Board	1 st Division
2	Intermediate	2000	Bihar Intermediate Council	1 st Division
3	B. E. (Electrical & Electronics)	2005	Visweswariah (Karnataka) Technological University	1 st Class with <i>Distinction</i>
4	M. Tech. (Power Electronics & Electrical Drives)	2013	SVNIT - Surat	1 st Class with <i>Distinction</i>

- No backlog ever in UG or PG.
- First Class with Distinction from 3rd to 8th semester in B. E.
- Class Topper in 6th & 7th semester and Second Topper in 3rd, 4th & 5th semester in B. E.
- 3rd best CGPA in M. Tech.
- Representative of M. Tech. class.

GATE=> Year: 2011, Score: 474, AIR: 2752, Percentile: **96**
Year: 2013, Score: 478, AIR: 7637, Percentile: **95**

Some Significant Projects & Assignments:

- ❖ M.Tech. Dissertation: Improvement of transient response of APLCs using Digital Filters.
- ❖ UG Project: Improvement of power factor in college campus
- ❖ **Jamnagar Export Refinery Project (JERP)**: One full year involvement in the commissioning of Process Plants (Electrical Installations) at Reliance Jamnagar site.
- ❖ All discipline Maintenance Checklist of Film Wrapper in PBR2 plant of RIL-Vadodara.
- ❖ Commissioning of Remote lube oil system for Expander at PBR2 plant of RIL-Vadodara.
- ❖ Conversion of Auxiliary Supply of CTMM relays from AC to DC for reliability at PBR2 plant of RIL-Vadodara.
- ❖ Installation of audio systems at Masjid of Haj House, New Town, Kolkata and Prayer Hall of Aliah University, Park Circus campus.
- ❖ Acted as Assistant Venue Supervisor for the *UPSC Civil Services* Preliminary Exam, 2017.

Subjects Taught/Teaching:

Basic Electrical, Circuits, Power Electronics, Non-Conventional Energy Sources, Microcontroller & Embedded System, Digital Signal Processing, Advanced Microcontroller, Commissioning, Testing & Maintenance of Electrical Equipment, Relays & Protection, Machines.

Important Projects/Dissertation Guided:

Pilot Panel based solar tracking, SPWM controlled Induction Motor, Dual axis solar tracking, Automatic water level controller, Microcontroller based differential protection of transformer, Automatic Power Factor Correction.

Seminar Organized:

- Ministry of Science & Technology, Government of Gujarat sponsored two-day seminar on “Micro-grid: Current scenario, Future Perspective & Challenges”.

Publications:

- Rakesh A. Patel and Md Aftab Alam, “*Stator Inter-turn Fault Detection using MCSA*”, International Journal of Current Engineering and Technology, Vol.5, No.3, June 2015.
- Tejasbhai R. Parmar, Md Aftab Alam, “*Automatic Solar Tracking System Using Pilot Panel*”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 4, Issue 7, July 2015.

Expert Talks Delivered:

- Effective Communication in classroom
- Commissioning, Maintenance & Troubleshooting of Electrical Equipments

Special Interest:

Contactor based panel (control circuit) design, Microcontroller programming (Embedded C), Digital Filter Design

Computer Skills:

Embedded C, SAP, MATLAB, PSIM, LaTeX

Languages known:

Urdu, Hindi, English, Gujarati, Bengali

Strengths:

Dedication, Team Spirit & Punctuality

Weaknesses:

Need concentration & calm environment, Soft hearted