

**AJAY SINGH RAJAWAT**

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**DOB:** 27<sup>th</sup> July 1989  
**Sex:** Male  
**Citizenship:** Indian  
**Status:** Single

**Objective:**

To build a career in the field of Electrical Engineering as a faculty as here is a Creative and resourceful teacher with proven ability to enhance students' performance, who possess a positive and effective teaching style with the willingness to work above and beyond the call of duty.

**Education:**

Year	Degree	Institute / School	CGPA / %
2013-2015	<b>M.Tech in Power Electronics, Machines and Drives</b>	IIT Delhi	7.90/10
2008-2012	<b>B. E. in Electrical Engineering</b>	SGSITS, Indore	70.10%
2006-2007	Class 12 <sup>th</sup> (M.P. Board)	Govt. Excellence School	86.3 %
2004-2005	Class 10 <sup>th</sup> (M.P. Board)	Shikha Convent School	81.2 %

**Technical Interest**

1. Electrical power Drives
2. Semiconductor Power Converters
3. Power system protection devices

**Subject Interest**

- Control Systems
- Power System
- Electric Machine
- Power Electronics
- Mathematics

**Work Experience:**

*Nov 2014 – Dec 2014 (winter vacation) Aaryabhaat Academy, Jaipur*

- Taught Power System for the GATE students

*May 2015 – June 2015 Engineer Institute of India*

- Taught Control systems for GATE students

*Oct 2015 – Nov 2015 Engineer Institute of India*

- Taught Power Electronics for GATE students

*Septy 2016 – Sept 2016 GateForum Ghaziabad*

- Taught Measurement for GATE/ESE students

## **Summer Internship/Industrial Training**

- Received industrial training at Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company Pvt. Ltd from 26 May, 2011 to 8 June, 2011 for 15days. There I learnt about metering, relay operation, power supply to LT consumers and their metering equipments testing, Transformer parts and other testing equipments.
- Lifetime estimation of a Lead Acid Battery, Sukam Power systems Ltd (May ,14-June, 14): I did the modeling of a lead acid battery and calculated its back-up time and also its lifetime is estimated.

## **M.Tech Project**

- Control techniques of Permanent Magnet Synchronous Machines: Implemented V/f control techniques in PMSM motor and simulated FOC and DTC control of PMSM motor using MatLab Simulink.

## **B.E. Project**

- Working model of Horizontal Axis Wind Turbine.

## **Key Skills:**

- Sound knowledge in electrical engineering.
- Mathematics puzzle and logical reasoning are key areas of interest.

## **Other Interests**

- Gardening, Bodybuilding, Cardio, Cricket.

## **Achievements:**

- Secured AIR 131 in GATE-2013.
- Secured AIR 312 in GATE-2012.
- Secured 3<sup>rd</sup> position in Chemistry in 12<sup>th</sup> class in Gwalior District.
- Secured 43<sup>rd</sup> position in 12.5Km Marathon organized by Indore development association in 2009.

## **Declaration:**

I declare that the above furnished information is true to the best of my knowledge.

**Place: Gwalior**

**Signature of the applicant**

**Date:**

**[Ajay Singh Rajawat]**