

# pankaj kapoor



Mob No-7807819699 • ee.13030@gmail.com • House No-90A, Ward No-4, 170001 Palampur

## EDUCATION

Degree	Year	Institute/University	SPECIALIZATION	%
M.TECH	2010-2012	NTT HAMIRPUR	POWER SYSTEM	7.07CGPA
B.TECH	2006-2010	IEET BADDI, HPU	ELECTRICAL ENGINEERING	63%
12 <sup>th</sup>	2004	HPBOSE	NON MEDICAL	67%
10 <sup>th</sup>	2002	HPBOSE	GENERAL	61%

## EMPLOYMENT

### Assistant Professor

(Present; L R Group of Institutes, Solan)

Teaching both undergraduate and graduate students who are pursuing their own field of expertise.

### Trainee Engineer Electrical

(April 2019-July2019; Power Star Ltd, Baddi)

Specialized skills in specification and testing of transformers. Inspection of materials and having knowledge of manufacturing the transformers, Servo voltage divider, and compact substations, metered reading and work on reducing power outages. Protective relays, control & instrumentation automation.

### Assistant Professor

(July 2013-Mar2015, Sri Sai University, Palampur)

Teaching a requisite number of classes, providing guidance and supervision to graduate students, participating in departmental meetings and providing academic support to Professors and other faculty members.

## PROJECTS

### M.Tech

PROJECT AREA: Hydro Control

PROJECT TITLE: Control of micro hydro power plant using electronic load controller

**DISCRIPTION:** The objective of this work is to simulate a synchronous generator with load controller under various operating condition. The complete MATLAB Simulink model is developed with the help of sim power system block sets. The idea behind this simulation of micro hydro power plant was that with the change in load, the speed of rotor changes. Excess load should be dumped to maintain the speed. The characteristics of rotor speed and frequency decline with increase in load. The error in frequency is rising. Pulses are given to controller to switch on accordingly and it brings dump load in picture.

### B. Tech

PROJECT AREA: Speed Control

PROJECT TITLE: Speed control of dc motor using PID control

**DISCRIPTION:** In this we designed PID controller to supervise and control the speed response of the dc motor and MATLAB program is used for calculation and simulation PID controllers are widely used in a industrial plants because of their simplicity and robustness. Industrial processes are subjected to variation in parameters and parameter perturbations.

## INTERNSHIPS

### Apprentice(4 weeks)

(2008)A D Hydro Power Ltd, Manali

### Plant Training

Commercial operation of the 192MW run of river hydro power plant Allain Duhangan began in 2010, Its annual production is 802 GWH, uses 850m head of Allain Duhangan rivers. The water is transferred through two separate intakes, two water conveyance tunnels, a long pressure shaft of 1587m and underground power house having transmission line of 175km.

### Apprentice(6 weeks)

(2009)Stesalit Ltd, Baddi

### Industrial Training

- Manufacturing of key products for Locomotives such as Master controller, transformer (5400KVA, 6531kva, 7775KVA), Traction motor, Rectifier, Smoothing reactor, Contactor (Line, Electromagnetic, Shunting, Motor), Reverser Switch/CTF, Cam shaft controller, Complete driver desk
- Manufactures of key products for Coaches/Metro Cars such as AC control panel and roof mounted AC package unit, 2S coupler (400A/750V), Switch board cabinet for SC AC COACHES, AC hot buffet coaches.

Date of Birth: 1st Feb 1986

Gender: male

Nationality: Indian

Computer: Proficient

MS: apt

Matlab: Scabb

English/Hindi

Workout: Spiritual Yoga/Pets

Highly disciplined and organized

Understand the priorities, Give enough time for own research work.

Qualified GATE in 2011, 2013, 2014

### TECHNICAL SKILLS

Electrical Network Theory, Power System, Electrical Machines

Electrical instrumentation, Linear Control System, Neural Network and Fuzzy Logic

### EXTRA CURRICULAR

#### ACHIEVEMENTS

Member of JEET Baddi College magazine (2016-2019)

Member of training and placement Exam committee cell in Sri Sai University Palampur (2013-2015)

Member of Students Admission Cell in L R group of institutes Solan (2022)

### AREA OF INTEREST

Teaching

Research

I am an energetic, ambitious person who has developed a mature and responsible approach to any task that I undertake, or situation that I am presented with.



# Pankaj Kapoor

DEDICATED SPECIAL EDUCATED TEACHER WITH SUCCESS SUPPORTING STUDENTS

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