

Annexure – I

Publications in Conferences / Seminars

a. Complete list

- 1) Presented “Reliability Analysis Under common cause failures “in National conference (1990) held at MBM Collage Jodhpur.
- 2) Presented “Increasing Availability through RAM” in National conference (1991) held at REC Kurukshetra.
- 3) Presented “A search method for reliability optimization” in National conference (2003) held at Sir Chhotu Ram College of Engg. Murthal.
- 4) Presented “Design and Modeling of an inverted pendulum using MATLAB” at international Conference on “Biomedical Engg. And assistive technologies” held at NIT JALANDHAR (2010).

b. For last 5 years

- 1) Presented “Design and Modeling of an inverted pendulum using MATLAB” at international Conference on “Biomedical Engg. And assistive technologies” held at NIT JALANDHAR (2010).

Annexure –V

Title of M.Tech Dissertations supervised /In Progress

(a) Complete list

- 1) 2003 – Artificial Intelligent methods in Control systems.
- 2) 2004 – Fuzzy controller for A car life vehicle with specific view on obstacle avoidance.
- 3) 2005 – Evaluation of reliability indices for combined cycle power plant.
- 4) 2009 – Study and simulation of current sourced inverter.
- 5) 2009 – Tuning of PID controller using fuzzy logic.
- 6) 2009 – Protection of generator against Asymmetrical fault using digital relay.
- 7) 2010 – Design & modeling of inverted pendulum using MATLAB.
- 8) 2010 – Reliability comparison of boost PFC converter in DCM & CCM operating Modes.
- 9) 2010 – Analysis of performance of DC Drive by using PFC boost converter.
- 10) 2011 – Estimation & evaluation of common cause failure analysis of systems using implicit method.
- 11) 2011 – Tuning of PI speed controller in DTC of IM board on Genetic Algorithm and Fuzzy sliding mode.

(b) For last Five years –

- 1) 2009 – Study and simulation of current sourced inverter.
- 2) 2009 – Tuning of PID controller using fuzzy logic.
- 3) 2009 – Protection of generator against Asymmetrical fault using digital relay.
- 4) 2010 – Design & modeling of inverted pendulum using MATLAB.
- 5) 2010 – Reliability comparison of boost PFC converter in DCM & CCM operating Modes.
- 6) 2010 – Analysis of performance of DC Drive by using PFC boost converter.
- 7) 2011 – Estimation & evaluation of common cause failure analysis of systems using implicit method.
- 8) 2011 – Tuning of PI speed controller in DTC of IM board on Genetic Algorithm and Fuzzy sliding mode.

Annexure –VI

Academic / Administrative contributions at department/ Institute level

(a) Complete list

- 1) Have been member BOS and DAC.
- 2) Have been I/C BEE lab, CS lab, Drawing office, furniture, sessionals/attendance, educational tours, quotation opening, training viva, departmental/central library, furniture obsolescence, registration & attendance.
- 3) Been member BE/M.Tech admissions.
- 4) Performed anti-ragging duties in girls hostel.
- 5) Performed stock verification for dispensary & civil deptt.
- 6) Personal counseling and orientation duties.
- 7) Have been committee member power fest/workshop (virtual instrumentation)
- 8) Paper setting, evaluation, practical exams, comprehensive viva, supervisory duties, guidance of projects & dissertation for PG /UG students, depty Supdtt. For June 2006 exams.
- 9) Been member house allotment committee.
- 10) Member canteen committee.
- 11) Member registration committee in convocation.

(b) For last five years –

a. Departmental level

- 1) Prof. I/C BEE & measurement lab (2006-2011)
- 2) I/C Academic & examination Affairs (2006)
- 3) Member quotation opening committee meetings (2006)
- 4) I/C Practical training (2007-2009)
- 5) I/C central library (2007-2010)
- 6) I/C Deptt. Library (2009-2010)
- 7) Member furniture obsolescence (2009)
- 8) I/C information management (2010)
- 9) Member DAC (2009-2011)
- 10) Registration & attendance (2011)
- 11) Guided UG/PG projects & dissertations(2006-2011)

b. Institute level

- 1) Member canteen committee.
- 2) Been member house allotment committee.
- 3) Stock verification
- 4) Anti-ragging duties
- 5) Supervisory duties, depty Supdtt. For June 2006 exams.
- 6) Paper setting/evaluation/practical exams.
- 7) Member registration committee in convocation for two years.

Annexure – VII

Current Areas of Interest -

- 1) Reliability
- 2) Measurement & Instrumentation
- 3) Digital Electronics
- 4) Network Analysis & Synthesis
- 5) Control Systems

Research Activities -

Paper presentation & guidance of UG/PG projects & dissertations

Future plan of Academic & research Activities

To involve myself in some more subject areas. Main objective is to be a good teacher, work in team spirit, and improve always to achieve my targets which I have been successfully doing. I always update my course material and teaching methods & will be doing in future also.

Planning to publish more research papers & to guide the student projects & dissertations in latest areas using latest techniques.