

BIO DATA OF DR. RAMESHWAR JHA



1. Name : **DR. RAMESHWAR JHA**
2. Father's Name : Shri DANI JHA
3. Designation : Professor & Head, Dept. of Inst. & Control Engg., NIT Jalandhar-144011
4. Date of Birth/Age : 15-07-1945
5. Nationality : Indian
6. Marital Status : Married
- 7(i) Present Postal Address for Communication : House No. A-9, NIT Jalandhar Campus, GT Road Bye Pass, Jalandhar-144011 (Punjab)
- (ii) Telephone Numbers : Off : 0181-2690301, 02
Ext. 213 (O), 402 (R)
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- (iv) E-mail : jhar@nitj.ac.in & rjharjha@yahoo.com
8. Permanent Address : # 290/Sector No. 12A, Panchkula (Haryana)
9. Educational Qualifications :

Examination with Degrees	University/ Board	Year of Passing	Division	% of Marks	Field of Specialization
Matriculation	Bihar Board, Patna	1959	1 st	67%	Phy, Chem, Math, (Elementary & Advanced), Other Subjects
Under Graduation B.Sc.Engg (Electrical)	Bhagalpur Univ. Bhagalpur	1965	1 st	66.67%	Electrical Engg.
Graduation M.Tech. (Control & Inst.)	I.I.T, New Delhi	1970	-	Above 60%	Control & Inst. Engg. (Established a record time of 1 year duration for acquiring M Tech)
Post Graduation Ph.D	Panjab Univ. Chandigarh	1980	-	-	Control theory application to Electrical machine –analysis

9A. Field of Specialisation : 1. Electrical Engineering
2. Instrumentation & Control Engg.
3. Power – Control Engg.

10. Title of Ph.D Thesis : Application of Popov Type stability conditions in Electrical Machines Analysis (1975-1980)

11. Employment Record (Starting from present position)

S. No	Post Held	Employer/ Affiliate Inst.	Whether Govt./ Autonomous Body/Private	Nature of Service	Nature of Work	Period		Pay Scale
						From	To	
01	Professor (Inst. & Control Engg.)	BOG, REC Jalandhar Society (now NIT Jal.)	Autonomous	Regular (Permanent)	Teaching, Research & Administration	28-9-94	Till date	Rs.16400-450-20900-500-22400
02	Principal REC Hamirpur (Officiating)	BOG, REC Hamirpur (HP) Society	Autonomous	Officiating	- do -	2-4-90	1994	Rs.6300-7300 (UR)
03	Professor (Elect. Engg.)	- do -	Autonomous	Regular (Permanent)	- do -	22-2-86	1-4-90	Rs.4500-6300-7300 (UR)
04	Asst. Prof. (Elect. Engg.) & Associate Professor	Chandigarh Administration Chandigarh (UT) on recommendation of UPSC New Delhi at Pb. Engg. College Chandigarh	Govt. (UT)	Regular (Permanent)	Teaching UG & PG courses, Research & Administration	17-8-72	21-2-86	Rs.3700-5700
05	Lecturer (Elect. Engg.)	Govt. of Assam (Shillong) on recommendation of APSC Shillong	Govt.	Regular (Permanent)	Teaching UG-courses & Hostel Administration	4-9-65	16-8-72	Rs.425-1000 (Through APSC Shillong)

Total experience of teaching, : 43 years
Research & Administrative

12. Details of Publications :

(i) No. of research papers in : 66*
Int./National Journal/Conf.

(ii) No. of technical papers : 12
contributed to Planning,
innovation of Tech. Edu.

* A complete list of publications attached separately, Annexure-A1.

13. Editorship/Reviewership of Journals : Acted as reviewer of Journal, Sadhana: Academy Proceedings in Engg. Sciences (The Indian Academy of Sciences, Bangalore, India) for 3-Years (1998-2001)

14. Name and Addresses of Two references : (i) Prof. C.S. Jha
Rtd. V.C., BHU, Varanasi
Ret. Professor & Head of Elect. Engg.
IIT Delhi
Ex Chairman, RAC, DRDO
New Delhi
- (ii) Prof. J. Nanda, Prof. (Emritus, EED)
IIT, New Delhi –110 016.
- (iii) Prof. Surendra Prasad
Director, IIT Delhi
15. Any other Relevant Information :
- A. Book Writing : Writing of a book entitled “Control System Engineering” is in progress
- B. Chairmanship of Conference/ session in conferences, if any : Acted as chairperson in conferences
1. National Conference organized by Parmar Inst. of Mathematical Sciences, Shimla on stability – sessions during 22/5/1987
 2. National Conference ISTAM on session Vibration and stability on 19-12-1988 in B.H.U. Varanasi
 3. Acted as Chairman during National Symposium on Recent trends in computer applications on 08/03/1996 at GZSCET Bathinda (Pb) and on 14/02/2008
 4. Acted as Chairman during CODEC-2001 at REC Jalandhar on 21-23 Feb., 2001 during two sessions and a number of National conferences in India
- C. No. of Final year (UG) Projects guided (1965-2006) : More than 50
- D. No. of M.E. Dissertation supervised (1979-1985) : 09
- E. No. of Ph.D Thesis guided / Guiding : 01*+03
* completed & awarded degree
- F. No. of M.E/M.Tech/Ph.D* Thesis evaluated : 75+1*
- G. No. of Memberships of Academic/ Administrative bodies : 21

H. Consultancy /Projects completed :

- i) Panjab Engg. College : 2 Nos.
Chandigarh (1976-1980)
- ii) REC Hamirpur (1990-94) : 4 Nos.
- iii) REC Jalandhar(1994-2000): 2 Nos.
(for about a total sanction
Rs.47 lacs)

- I. Assisted as Subject Experts : (i) Univ.of Roorkee,
Roorkee/ IIT Roorkee (Uttranchal)
in selection of Professor, Asstt. (ii) TIET Patiala (a Deemed University)
Professor and Lecturers in Elect. (iii) REC Jaipur (now NIT)
Engg., Instrumentation & Control (iv) REC Kurukshetra (Now NIT)
Engg. and Electronics and Comm. (v) NITTTR, Chandigarh
Engg. at and a large number of engg. colleges /
Univ. over the past 30 years

J. Experiences

- (i) Total experience of UG : 43 years nearly
teaching (1965-2007)
- (ii) Total experience of PG- : 14 years nearly
teaching (1975-86) &
(2006-07)
- (iii) Total experience of heading: 23 Years
Electrical Engineering Dept.,
Electronics & Comm. Engg.
Dept., Computer Science &
Engg. Dept., Dean (Acad.)
Principal(officiating) at REC
Hamirpur and Head of Inst.
& Control Engg. Dept. at
REC Jalandhar, Dean
(Academic Programmes)
and other Administrative
experience
- (iv) Experience of Curricula : 22 Years
Development & Innovation
in technical education and
teaching etc.

- K. No. of Conference/symposia / : 40
workshop etc (National and
International) attended

L. No. of APTI/ISTE/QIP/DST : 30
sponsored courses attended

M. No. of AICTE/ISTE/QIP : 20
sponsored short term courses/
workshops organized /coordi-
nated successfully (list attached
Annexure A2)

N. Administrative posts responsibility held

- (i) Selected as Professor in Electrical Engineering at REC Silchar (Assam) in 1982 but did not join because of some family problem.
- (ii) Selected as Founder Professor (& Head of Elect Engg. Deptt.) at REC Hamirpur in December 1985 to join on 22.02.1986. Worked for growth and Development of the College and Headed a number of teaching Deptts. to contribute substantially.
- (iii) **Took over the responsibility of Principal** – post in REC Hamirpur and contributed a lot in process of development of the College (from 1990 to 1994) for 4 years.
- (iv) **Joined Professor of Instrumentation & Control Engineering** at REC Jalandhar on 28.09.1994 and contributed to the development of the Deptt./College since then.
- (v) **Acted as Controller of Examinations & helped Punjab Technical University Jalandhar** in conduct of examinations etc. for 2 years (1997-1999) in addition to normal work of Professor & Head of Instrumentation & Control Engg. Deptt.
- (vi) **Acted as Chairman (Academics)** at REC Jalandhar (Punjab) for year 2002 and Dean, Academic Programmes at NIT Jalandhar for the year 2003-04 and tried to streamline academics.

O. AICTE – Association :

- (i) **Nominated on AICTE-expert panel** to evaluate utilisation of funds by various engineering colleges u/s of Modernization & removal of obsolescence and Thrust Areas in Colleges of Rajasthan including BITS Pilani (1993-94).
- (ii) **Acted as visiting Team expert of AICTE** for assessment of new programmes and continuing existing programmes etc. for a large number of engineering colleges over a decade.
- (iii) **Nominated on panel of Experts for Accreditation** teams for the assessment of UG-programmes/PG-programmes for engineering colleges located in various regions of India including NITs & NSIT Delhi etc. Acted Chairperson in some of Accreditation teams of Experts.

P. ISTE - Association :

- (i) Served as Member/Life member of ISTE (India) since 1970 and coordinated ISTE-sponsored summer/winter schools, workshops etc. at Jorhat Engg. College, Jorhat, Punjab Engg. College, Chandigarh, Regional Engineering College, Hamirpur (HP) & Regional Engg. College, Jalandhar (Pb).
- (ii) Contributed a lot for membership drive of ISTE at REC Hamirpur (1990-94)

Q. **IEE (London)** - Association :

- (i) Established IEE (London) Student Chapter at REC Jalandhar with about 70-75 student members in 2001.
- (ii) Acting as the student Counselor for the IEE student chapter for the last seven years (2001-08).

R. Membership of Professional societies :

- (i) Life member of ISTE (India) (LM6052).
- (ii) Applied for Fellow of IEE (London), U.K..

S. Other Academic/Administrative Experience

- (i) Massive work undertaken to streamline the functioning of Regional Engineering College, Hamirpur (1990-94) and tried to establish work culture in all spheres – academic, financial and administrative.
- (ii) Introduced the concept of CET in Himachal Pradesh and helped conduct of exam in 1991 for admission of students to engineering/tech – courses.
- (iii) Contributed to secrecy and evaluation works of CET-1999 & CET-2000 (by acting Coordinator) for the purpose of students admission to engineering colleges in Punjab.
- (iv) Contributing to establish a good Central Library in REC Jalandhar & Departmental Library in ICE Department.
- (v) **Acted as Chairman (Academics) & Dean, Academic Programmes** at Dr. B.R. Ambedkar Regional Engineering College (now NIT), Jalandhar.
- (vi) Acted as member of BOG in IIT Kanpur (U.P) for period from 1991-94.

T. Any other details, not covered above which in your opinion are relevant

- (i) **Acted as Chief Club President in Punjab Engineering College, Chandigarh** (1980-85) and worked for promotion of voluntary blood donation programme and motivated all sections of the Campus of Punjab Engg. College, Chandigarh to donate blood under supervision of Dr. J.G. Jolly, Director Blood Transmission Dept., PGI, Chandigarh and bagged many awards for recognition of services rendered to the society in organizing blood camps.
- (ii) Made efforts to uplift conditions of the Poor (1980-85) at Chandigarh by organizing a number of social camps.
- (iii) Acting Chairperson of Institute Purchase Committee (IPC) at NIT Jalandhar (2005-2008).

- (iv) Acting Chairperson for the committee u/s TEQIP (GOI) for recommending research work for presentation abroad (2005-2007).
- (v) Nominated Chairperson/Member of a number of committees at the institute
- (vi) Acting Chairperson, Board of Studies at various Engineering/Technical Institutions and nominated as member of Senate, NIT Jalandhar (Deemed University).

(DR. RAMESHWAR JHA)

LIST OF PUBLICATIONS OF RESEARCH PAPERS BY

Dr R Jha
Professor (Inst and Control Engg)
Ph D
ihar@nitj.ac.in, rjharjha@yahoo.com

International Journals

1. **R Jha** and A K Mahalanabis
On the relative stability of Discrete Lurie System
International Journal of Control (LONDON) vol.14, April, 1971, pp 641-648
2. **R Jha** and A K Mahalanabis
An improved technique for computation of Power System Transient stability regions
Proc. IEE (LONDON), Vol. 122 Dec.1975, pp 1400-1403
3. **R Jha** and A K Mahalanabis
Design of Non-Linear feedback regulator for synchronous machine two-axis excitation
IEEE Winter Power meeting in USA, June, 1982
4. **R Jha** and G C Ray
A new method of linear control for optimum transfer of power from a Solar Cell Array (SCA) to the distribution network
IEEE TRANS. On Industrial Electronics and control Instrumentation. Princeton, N.J. U.S.A., Aug. 1984. Vol. IE-31, pp. 225-227
5. J S Saini, Y P Singh, S S Lamba and **R Jha**
Design Methodology for Expert Control of Industrial Processes
IEEE Control Systems Magazine, USA, 1995
6. **R Jha**, Veena Sharma and R Naresh
Hopfield Neural Network Approach for Multi-reservoir Network Control
Water and Energy International, Journal, Central Board of Irrigation and Power (India), Vol 60. No 4, October-December-2003, pp. 21-27
7. Veena Sharma, **R Jha** and R Naresh
Optimal Multi-reservoir Network Control by Two-phase Neural Network,
International Journal of Elsevier Science, Electric Power Systems Research, Vol 68, 2004, pp. 221-228
8. Veena Sharma, **R Jha** and R Naresh
An Augmented Lagrange Programming Neural Network for short-term Hydroelectric Generation Scheduling,
International Journal of Engineering Optimization USA, Taylor & Francis Group, UK , Vol. 37 No. 5, July 2005, pp 479-497

9. Veena Sharma, **R Jha** and R Naresh
Optimal Multi-reservoir Network Control by Augmented Lagrange Programming Neural Network,
Accepted for publication in International Journal of Applied Soft Computing, Elsevier Science, UK -2007
10. A.K. Jain S.C. Sharma, **R Jha**, Amit Dixit
A Research Review on MANET Protocols
Accepted for publication in the International Journal of Computer Science and Knowledge engineering (IJCSKE), 1 (1), pp.39-46 , Jan-Dec 2007
11. A.K.Jain, S.C. Sharma, **R. Jha** and Amit Dixit
Quality of Service in IEEE 802.11 Wireless LAN
International Journal of Hybrid Computational Intelligence (IJHCI), 1 (1), pp.1-7, Jan. 2008.

Communicated to International Journals

12. Veena Sharma, **R Jha** and R Naresh
Quadratic Programming Neural Network Approach for Multi-reservoir Network Control
Accepted for publication in International Journal of Engineering Intelligent Systems, CRL Publishing Ltd., UK-2007
13. Veena Sharma, **R Jha** and R Naresh
A neural network optimiser for scheduling hydro-power generations –plants,
Accepted for publication in International Journal of Power and Energy Systems, ACTA Press, Canada-2007
14. Veena Sharma, **R Jha** and R Naresh
Hydro-scheduling using a feedback neural network optimizer
Communicated to International Journal of Engineering Intelligent Systems, CRL Publishing Ltd., UK-2007

International Conferences

1. **R Jha** and Kuldeep Singh
Domestic Mobile Robot
Proc. 13th International DAAAM Symposium on “Intelligent Manufacturing & Automation: Learning from Nature” at Vienna, Austria, Oct. 23-26, 2002
2. **R Jha** and Kuldeep Singh
Sequence Control of Mobile Robot for Collision Free Path
Proc. of The Asian Conference on Industrial Automation & Robotics, Bangkok (Thailand), May 8-9, 2003, pp249-252
3. Veena Sharma, **R Jha** and R Naresh
Global Optimization using simulated Annealing Neural Network
International Conference on Emerging Technology (ICET-2004), Kalinga Institute of Industrial Technology, Bhubaneswar (India), Dec. 22-24, 2004, pp. 269-274.

4. K S Nagla and **R Jha**
Recent progress in under water vision system
Proc. of International Conference On Emerging Technology (ICET – 2004),
Kalinga Institute of Industrial Technology, Bhubaneshwar, Dec. 16 –18, 2004.
5. Veena Sharma, **R Jha** and R Naresh
Neural Network Optimizers-An Overview
International Conference on Emerging Technology (ICET 2003), Kalinga
Institute of Industrial Technology, Bhubaneswar-751024, Orissa, Dec.19-21,
2003, pp. 108.
6. K S Nagla, S K Saha, **R Jha** and A Mathur
Robot for Cleaning the Surface below the Indian Railway Tracks at Platforms:
Feasibility and Kinematics of Manipulator
IEEE 4th Asian Conference on Industrial Automation and Robotics, Bangkok,
Thailand, May 11-13, 2005
7. Veena Sharma, **R Jha** and R Naresh
A feedback neural network optimizer for multi reservoir network control
International Conference on Computer Applications in Electrical Engineering
Recent Advances (CERA-05), IIT Roorkee (India) Sept. 28 – Oct 1st, 2005
8. Veena Sharma, **R Jha** and R Naresh
An Application of Neural Network Optimization Approach
Published in Proc. of 7th International Conference on Cognitive Systems, ICCS-
2005, Dec. 14-15, 2005, Centre for Research in Cognitive Systems, NIIT Ltd.,
Snergy Building, IIT Delhi-110016
9. Jain, A.K., Sharma, S.C., Kumar Brijesh. Gupta, Lal Mohan and **Jha R**
Congestion Control Algorithms used in the ATM Networks: A Comparative
Study,
International Conference on Intelligent Systems and Networks (IISN-2007),
MAIMT, Jagadhri, Haryana, India, February 23-25, pp. 549-555, 2007.

National Journals

1. **R Jha** and V K Sharda
Organised Field Training for Engineering students as a part of curriculum
Journal of Engg. Education, vol. 6, No. 3, Jan. 1993, pp 14-19.
2. **R Jha**, Y P Singh and J S Saini
Use of rule based parading and causal knowledge in self regulating fuzzy PID
controller
Journal of system science and Engineering, vol.1/No.01 Feb.17-19, 1993, pp 40-
52.
3. **R Jha** and V K Sharda
On resource generation in technical Institution “with special reference to SFTIS.
Journal of Engg. Education 25th issue, vol. 7/No.1, July 1993, pp 25-29.

4. **R Jha**
On sessional assessment in technical institutions
Proc. Journal of Egg. Education , No. 4, Nov., 1993.
5. A.K. Jain, S.C. Sharma, Mohan Lal, **R. Jha**
MAC Protocols In Mobile Ad Hoc Networks
IETECH Journal of Communication Techniques, Vol: 1, No: 1, 006 – 012,, 2007

National Conferences

1. **R Jha**
On some design aspects of Turbogenerators
ISTE (India), annual meeting, Prince of Wales Institute, Jorhat, Dec.1971
2. **R Jha** and A K Mahalanabis
On the Transient Stability of Multi Machine Power Systems
Proc. 5th National System Conference, Punjab Agriculture University Ludhiana (India) vol. 2-D, Sept. 1978, pp 131-134.
3. **R Jha**, R N Singh and A K Mahalanabis
Effects of Governor action on the transient stability of multi-machine power systems
Proc. All India seminar on Digital computer Applications to the control and protection of EHV-AC-HVDC power Systems (sponsored by UGC, New Delhi) , Rourkela, Sept. 17-19, 1979, pp.140-151.
4. **R Jha**
Transient stability analysis of multi-machine power system using aggregation – decomposition Techniques
Proc. IInd National Power Systems conference, Hyderabad (India), Sept. 1983
5. **R Jha**
On design of Solar panel for feeding power to Rural Distribution System
Proc. National seminar on “Energy for coming decades, Burla (Orissa), India, March, 1984.
6. **R Jha**
A novel method of Developing Frequency Domain Criteria for Transient Stability of Multi-machine Power System using Aggregation-decomposition technique
Proc. 3rd National Power System conference, REC Warangal (India), Sept, 1984
7. **R Jha**
Strategies for implementation of new technical education policy (NTEP-1986)
Proc. Seminar on “Strategies for Imp. NEP-1986, REC, Rourkela (Orissa) Oct. 29-31, 1986, pp 24-32
8. **R Jha**
Estimates of the quality of transient response for power systems
Proc. of 6th National Power Systems conferences of NPSC-86, BHU Varansi, (India). Feb. 15-17, 1986

9. **R Jha**
On estimates of the quality of transient response for multi machine Systems
Proc. National seminar on recent trends in Electric energy systems, IIT New Delhi, May 21-23, 1986
10. **R Jha** and Pushpa Paul
Generation of Improved Liapunov function for the Lurie-systems and application to power system stability analysis
Proc. IV Shimla conference, Parmar Institute of Mathematical Sciences, Shimla (H.P), May 19-20, 1987
11. **R Jha**
On relative stability analysis of multi machine power systems using Liapunov – function based aggregation – decomposition Technique
Proc. , National System conference, REC Kurukshetra, Dec.22-24, 1987.
12. **R Jha** and R C Chauhan
A study on power loses in medium voltage distribution systems in Himachal Pradesh
Proc. All India seminar on conservation of electrical energy and minimization of losses in power systems, University of Roorkee, Roorkee (U.P.), IE (India), April 23-24, 1988.
13. **R Jha** and Pushpa Paul
Pole Shifting Technique for simplified method of construction of Liapunov function and improved stability domain of Governor controlled power systems
Proc. V Shimla conference, Parmar Institute of Mathematical Sciences, Shimla (HP), May 18-20, 1988
14. **R Jha**
A Novel technique for generation of optimal Liapunov function and computation of stability regions
Proc. ISTAM, (Indian Society of Theoretical and applied Machanics), BHU Varanasi, Dec. 19-22, 1988.
15. **R Jha**
Feed-back system for performance appraisal of teachers in technical institutions
Proc. XXth Annual Convention ISTE (India), B.V. Mahavidyala Vallav Vidyanagar (Gujrat), Dec. 1990.
16. **R Jha**
On design and control in photovoltaic generation systems
Proc. National seminar, Y.S. Parmar University, Solan, July 08, 1992
17. **R Jha**
Optimal transfer of electrical power to rural grid and design aspects of Solar Cell Array (SCA)
Proc. National Training course, IREP at HIPA, Shimla, Sept. 23, 1992

18. **R Jha**
Solar Thermal Electric Systems for Power Generation
Proc. Workshop on solar Technology sponsored by HIMURJA Government of Himachal Pradesh, REC, Hamirpur, March 16, 1993
19. **R Jha** and S C Sharma
Role of ISTE in development of faculty of technical institutions
Proc. ISTE Annual Convention 1992, Indore (M.P), India Dec.26-28, 1992.
20. **R Jha** and Y R Sood
Appropriate technology for reclamation of energy and sources from Forest Waste
Proc. National Conference, Allahabad University, Allahabad, Dec, 1993
21. **R Jha** and V K Sharda
Improvements in Evaluation Systems
Proc. National seminar, College of Engineering and Technology, Bathinda (Punjab), July 1993.
22. **R Jha**
Improvement in technical education planning
Proc. National Conference, AIAET Ahembedabad (Gujrat) July, 1993.
23. **R Jha** and R K Thakur
Liapunov function based aggregation-decomposition technique for transient stability analysis of multi machine power systems
Proc. National Symposium on recent trends in Computer Applications, RECTA-96, College of Engg. And Technology, Bathinda, March 8-9, 1996
24. **R Jha** and R K Thakur
A Computer Oriented Model order reduction technique of Discrete – Time System
Proc. National Symposium on recent trends in Computer Applications, RECTA-96, College of Engg. And Technology, Bathinda, March 8-9, 1996
25. **R Jha** and R K Thakur
Need for energy conservation in India
Proc. National seminar on energy management and conservation in Industrial farms, G.N.D.E.C. Ludhiana, April 19, 1996
26. **R Jha** and R K Thakur
Energy management through solid state controlled Electric drives
Proc. National seminar on energy management and conservation in Industrial farms, G.N.D.E.C. Ludhiana, April 19, 1996
27. **R Jha**
State Space Analysis – significance to Research
Invited paper, CODEC-2001, REC Jalandhar-144011, Feb. 21-23, 2001

28. **R Jha** and R K Singla
On Smart Transmitters and their Industrial Applications
Proc. National Seminar cum Exhibition, Institute of Engineering & Technology,
Bhaddal , April 19-20, 2002
29. **R Jha** and Sheela Tiwari
New Generation SCADA for Process Automation
Proc. National Seminar cum Exhibition, Institute of Engineering & Technology,
Bhaddal , April 19-20, 2002
30. **R Jha** and Kuldeep Singh
On solar Thermal Electrical Power Generation
Proc. National Seminar, Indian Society for Technical Education (ISTE), SBSCET
Ferozepur, Oct. 26, 2002
31. **R Jha** and Kuldeep Singh
Mobile Robot on Collision Free Path
Proc. National Conference PCIC-2003, NSS College of Engg. Palakkad (Kerala),
Jan, 2003.
32. Veena Sharma, **R Jha** and R Naresh
Hydro Energy Management-An Overview
National Conference on Emerging Energy Technologies, NIT Hamirpur, March
28-29,2003, pp. 153-160
33. Veena Sharma, **R Jha** and R Naresh
Optimization using Neural Networks
National Conference on Trends of Computational Techniques in Engineering,
TCTE-2004, Sant Harchand S Longowal Centre Institute of Engineering and
Technology, October 15-16, 2004, pp 70-74.
34. Veena Sharma, **R Jha** and R Naresh
Mathematical Modeling of Artificial Neural Optimization Networks
National conference on Intelligent Systems & Networks, Haryana Engg. College,
Jagadhari in co-ordination with Centre for Advanced technologies, Feb.27-28,
2004, pp. 5-10.
35. K S Nagla, **R Jha** and A Mathur
Embedded Robotics: an approach to design and development of embedded
based Mobile Robot
National Seminar on Embedded Systems Kanya Maha Vidyalaya Jalandhar,
January 24-25,2005 pp 175-182.
36. Veena Sharma, **R Jha** and R Naresh
"Intelligent Optimization Techniques",
Published in Proc. of National Conference INNOVATIONS-2005, Exploring
technological trends on November 25-26, 2005 at Baba Banda Singh Bahadur
Engineering College Fatehgarh Sahib-140407 (Punjab)

37. A.K. Jain, S.C. Sharma, Mohan Lal, S. Qamar and **R. Jha**
Problem of Congestion in Mobile Ad Hoc Networks
National Conference on Emerging Technologies in Computer Science (ETCS-2007) held at MIET, Meerut, pp. 54-62, 22-23 Sept. 2007.
38. A.K. Jain, S.C. Sharma, **R. Jha**, Amit Dixit, SandipVijay
Quality of Service in Wireless LAN
National Conference on "IT Research & Applications" MAIMT Jagadhri, pp. 178-181, November 16-18, 2007.

ANNEXURE-A2

LIST OF ISTE / AICTE / QIP / MHRD-SPONSORED SHORT TERM COURSES/ REFRESHER COURSES / WORKSHOP ARRANGED / COORDINATED BY DR. RAMESHWAR JHA (1965-2008)

1. Coordinated ISTE-annual convention (11/12/71-12/12/71) at Prince of Wales Institute, Jorhat (Assam) in December 1971.
2. Coordinated a 4-week ISTE-sponsored Summer School for teachers from engineering colleges of the country on "Recent Development in operation and control of Power Systems" at Panjab Engineering College Chandigarh for the period from 06/05/1974 to 01/06/1974.
3. Arranged and coordinated an one-week refresher course for Field Engineers on "Illumination Design-some case studies" for period from 21-06-1979 to 26-06-1979 at PEC Chandigarh.
4. Coordinated an one-week short term course for Engineers from various Electricity Boards on "Computer Aided Power System Analysis (CAPSA) for the period from 01-12-1980 to 06-12-1980 at Panjab Engineering College Chandigarh.
5. Coordinated a refresher course on "Control Techniques applied to Power System Stability Analysis" for Field Engineers at Panjab Engineering College Chandigarh for the period from 03-06-1981 to 09-06-1981.
6. Coordinated a refresher course on "Power System Security, stability and Control" for field engineers for period from 03-12-1981 to 08-12-1981 at Panjab Engineering College Chandigarh.
7. Arranged and coordinated a two-weeks refresher course on "Computer Controlled Operation of large power systems" for Field Engineers for period from 16-06-1982 to 28-06-1982 at Panjab Engineering College Chandigarh.
8. Coordinated an ISTE sponsored 2-weeks Winter School for college teachers and engineers from industry on "AI-applications to power systems and control systems" at Regional Engineering College, Hamirpur(HP) for the period from Jan. 12, 1993 to Jan. 24, 1993.

9. Coordinated a 2-weeks AICTE/ISTE-sponsored Winter School on “Chemical Process Instrumentation” for college teachers and engineers from industry for the period from 19-02-1996 to 29-02-1996 at Dr. B.R. Ambedkar Regional Engineering College Jalandhar (Punjab).
10. Coordinated a one-week AICTE/ISTE-sponsored “Induction Training Programme” for teachers from various engineering colleges/institutes in the country for the period from 08-03-1997 to 12-03-1997 at Dr. B.R. Ambedkar Regional Engineering College Jalandhar.
11. Coordinated a one-day AICTE (NBA) sponsored Workshop on “Accreditation of various Programmes in Technical Education “ on 27-08-2000 at Dr. B.R. Ambedkar Regional Engineering College Jalandhar for representatives from various universities / colleges of North Western Region comprising of Chandigarh, Delhi, Haryana, Himachal Pradesh, J&K, Punjab and Rajasthan.
12. Coordinated a 3-weeks AICTE-sponsored “Induction Training Programme” for teachers of technical education for various colleges/universities of the country for the period from 27-02-2001 to 20-03-2001 at Dr. B.R. Ambedkar Regional Engineering College Jalandhar.