RESUME

1. **Name**   :   Dr. Rajan Hari Chile.

2. **Designation** : Professor ,

   Department of Instrumentation,

   S.G.G.S. Institute of Engineering and Technology,

   Vishnupuri, Nanded.

   Pin – 431607

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3. **Address for**

   Correspondence:

   Department of Instrumentation,

   S.G.G.S. Institute of Engineering and Technology,

   Vishnupuri, Nanded.

   Pin – 431607

4. **Date of Birth** :   13-09-1964

5. **Nationality**   :   Indian

6. **Category**   :   NT1

7. **Educational Qualifications:**

Sr. No.	Name of Examination	Name of Institute	Board/ University	Year of passing	Marks and class obtained
01	S.S.C.	Shri Bhagavati High school, Munage, Tal: Deogad, Dist: Sindhudurga	S. S. C. Board, Pune	April , 1979	82.13%, First class
02	Diploma In Mechanical Engg	Govt. Polytechnic, Kolhapur	D.T.E., Mumbai	June 1982	71.55 % First Class
03	Diploma In Electrical Engg	Govt. Polytechnic, Kolhapur	D.T.E., Mumbai	August 1984	76.78% First Class
04	B.E. (Instru.)	S.G.G.S. College of Engineering and Technology, Nanded	Marathwada University, Aurangabad	Nov/ Dec, 1987	70.54% First Class with distinction & order of merit 5th
05	M.E	S.G.G.S. College of	Marathwada	Nov/	66.00%

	(Instru.)	Engineering and Technology, Nanded	University, Aurangabad	Dec, 1992	First Class
05	Ph.D.	Department of Electrical Engineeirng, University of Roorkee, Roorkee (At Present: I.I.T., Roorkee)	University of Roorkee, Roorkee	27th Nov. 1999	Thesis Title: "Developments in Model - Reference Adaptive Digital Control"

M.E. (Dissertation) Title: *Implementation of Digital Cascade Controller using 8086 Microprocessor*

Ph.D. Thesis Title : *Developments in Model –Reference Adaptive Digital Control.*

8**. Details of Employment:**

Sr. No.	Name of Employer	Department	Period		Designation
			From	**To**	
01	Principal and Secretary, S.G.G.S. College of Engineering and Technology, Nanded	Instrumentation Engineering	4th August 1987	4th August 1993	Lecturer in Instrumentation Engineering
02	Principal and Secretary, S.G.G.S. College of Engineering and Technology, Nanded	Instrumentation Engineering	4th August 1993	4th August 1998	Lecturer (Senior Scale) in Instrumentation Engineering
03	Principal and Secretary, S.G.G.S. College of Engineering and Technology, Nanded	Instrumentation Engineering	4th August 1998	27th Nov. 1999	Lecturer (Selection Grade) in Instrumentation Engineering
04	Principal and Secretary, S.G.G.S. College of Engineering and	Instrumentation Engineering	27th Nov. 1999	01/01/2006	Assistant Professor in Instrumentation Engineering

	Technology, Nanded				
05	Director, S.G.G.S. Institute of Engineering and Technology, Nanded	Instrumentation Engineering	01/01/2006	26/11/2007	Associate Professor in Instrumentation Engineering
06	Director, S.G.G.S. Institute of Engineering and Technology, Nanded	Instrumentation Engineering	27/11/2007	Till this date	Professor Instrumentation Engineering

09. **Teaching Experience**: UG: 24 Years;   PG: 20 years

10 . **Subject Taught:**

U.G . Classes
i. Transducer Technology
ii. Process Control
iii. Instrumentation Component Design
iv. Instrumentation System design
v. Power Plant Instrumentation
vi. Linear Integrated Circuits
vii. Feedback Control Systems
viii. Unit Operation
ix. Elements of Electrical Engineering
x. Electrical technology/Electrical machines
xi. Electrical and Electronic Measurement and Instrumentation
xii. Instrumentation Techniques
xiii. Digital Control Systems
xiv. Digital Signal Processing

P.G. Classes:
i. Industrial Instrumentation
ii. Advanced Process Control
iii. Adaptive Control Systems
iv. Advanced Instrumentation System Design
v. Modern Control Theory
vi. Computer Process Control

11. **U.G. Projects Guided**:   30 Projects

12. **Dissertations/Ph.D. Thesis Guided:**

   M.E.(Instrumentation) Dissertations guided: **Eleven** dissertations guided.

   List of dissertations completed:

   [1] "Implementation of Model–Reference Adaptive Control System for Temperature Control of Electric Oven", in May 2000; Student: Mr.N. J. Patil

   [2] "On some techniques of Parameter Identification and Controller Design for Self-Tuning Regulator", in August 2000, Student: Mr. M.J. Lengare

   [3] " On some techniques of Designing Fuzzy Controller", in Feb. 2001, Student: Mr. N. S. Kubal; Co-supervisor: Prof. C. B. Deshpande

   [4] "On some techniques of Auto-Tuning of PID Controller", in Oct. 2001; Student: Mr. M. Krishna

   [5] "On some technique of Model –Reference Adaptive Control Systems", Feb. 2002, Student: Mr. M.J. Kale

   [6] "PLC Based Sequential Batch Process Control", in May 2002; Student: Mr. Y.S. Angal; Co-supervisor: Mr. R.G. Jamkar

   [7] "On some Techniques of Neutral Networks for control applications", in July 2003, Student: Mr. P.B. Kadam; Co-supervisor: Dr. L.M. Waghmare

   [8] "Modeling of Industrial Boiler", 2004, Student: Mr. Rohit G. Shende

   [9] "An Adaptive Neuro-Fuzzy system for Automatic Image Segmentation and Edge Detection",2004, Student: Mr. B.R.Vikram.

   [10] "Fuzzy Model Reference Learning Control for Nonlinear Process Control Application", 2005, Student: Mr. Kulkarni Santosh

   [11] "Application of Sliding Mode Fuzzy Logic Controller to Inverted Pendulum System Control," Sept. 2005, Student: Mr. Nagrale R. M.

   [12] "Simulation of DC Motor Control Using Sliding Mode Control Technique", July, 2009, Student: Mr. Subhash Shrikant Sankeshwari

   [13] "Automation of Tar Separation Plant, Burnpur", July 2011, Student: Ms. Mayura Sukalkar.

   [14] " Fuzzy Based Control for process Control Applications", July 2011, Student : Prashant Gaikwad

   [15] "Tuning of PID Controller Using MOMI Method", July 2012, Student: S. R. Shiledar

[16] "Fuzzy Logic Based Control of Three Tank System" July 2012, Student: Sachin S. Giri.

Ph.D. Thesis Guided:

Students doing research for their Ph. D. degree are as follows:

Sr. No	Name of Ph.D. student	Title	Date of registration	Status	**Date of completion**
01	Gaikwad Ashok D.	Development of Fibre Optic Chemical Instrument	June 2003	Thesis Submitted	
02	Sonar Arun D.	Fuzzy Logic Controller in process Control Applications	Dec 2003	Under Completion	
03	Lengare M.J.	Design of PID controllers for single and multivariable systems: A Genetic Approach	2003	Completed and degree awarded.	03/04/2012
04	Patil A.G.	Study and Analysis of RR Time Series Signal in Spinal Cord Injury Patients	2004	Completed and degree awarded	02/07/2009
05	Kulkarni S.B.	An Adaptive Approach in Digital Distance Protection	June 2003	Completed and degree awarded	25/08/2012
06	Angal Yogesh S.	Speech Recognition Techniques: Study of some aspects and Development of algorithms.	June 2003	Thesis Submitted	
07	Patil Nitin J.	Adaptive Fuzzy Controllers	June 2003	Completed and degree awarded	04/01/2013
08	Jadhav Sharad P.	Optimization of Algorithms for Model Predictive Control	2010	Under Completion	
09	Panchade V.M.	Sliding Mode Control Strategies for Induction Motors	2012	Under Completion	

13. **Details of Publications:**

   Papers in International Journal:

[1] "RR variability in spinal cord injured Patients", A.G. Patil, R.H.Chile, and S.T. Hamde, Internet Journal of Bioengineering, IISN 1937-8246, Volume 3, Number 1(2008), pp.1-7.

[2] "Wireless System for Measurements of RR variability During Physical Acivity", A.G.patil, R.H.Chile, and S.T. Hamde, Internet Journal of Bioengineering, ISSN 1937-8246, Volume 3, Number 2 (2009), pp.1-11.

[3] "Auto Tuning of PID controller for MIMO Processes ", M.J. Lengare, R.H.Chile, L.M. Waghmare, Bhavesh Parmar, International Journal of Electrical and Computer Engineering, 4:3, 2009.

[4] "Modeling of Acoustic Wave Absorption in Ocean", T.B. Mohite-Patil, A.K. Saran, S.R. Sawant, R.H.Chile, T.T. Mohite –Patil, International Journal of Computer Applications , Volume 9- No. 12, November 2010.

[5] "Simulation Study of Acoustic Wave Propagation in Ocean" ,T.B. Mohite-Patil, A.K. Saran, S.R. Sawant, R.H.Chile, T.T. Mohite –Patil, International Journal of Computer Applications , Volume 12- No. 8, December- 2010.

[6] "Mathematical and Simulation Model of an SPWM Inverter", T.B. Mohite Patil, S.R. Sawant, R.H. Chile and T.T. Mohite Patil, International Journal of Electronic and Electrical Engineering, ISSN 0974-2174, Volume 4, Number 1(2011), pp. 23-32.

[7] "An efficient Mapping Scheme with robust co-operative coding for CDMA networks," Patil Y.M., Chile R.H., International Jr. of Engineering research and Industrial Applications(IJERIA), ISSN 0974-1518, Vol. 2, No. III (2009), pp. 45-56

[8] "Implementation of Adaptive Fuzzy Controllers for Speed Control of PMSM Drive", Patil N. J., Chile R. H. and Waghmare L. M., International Journal of Computer Applications (IJCA), vol. 1, No.11 , pp.94-101 , 2010. * Publisher : Foundation of Computer Science, 244 5th Avenue, # 1526, New York, NY 10001, USA (Impact Factor 0.835)

[9] " Adaptive Fuzzy Controller for Industrial Temperature Process", Patil N. J., Chile R. H. and Waghmare L. M., *Journal of Research and Computing Science.*

[10] "Implementation of Model Reference Adaptive Fuzzy Controller", Patil N. J., Chile R. H. and Waghmare L. M., IETECH *International Journal of Electrical Engineering & Technology*, vol. 4, No.2 , pp.41-45, 2008.

[11] " Design of decentralized controllers for MIMO processes", M.J. Lengare, R.H.Chile, L.M. Waghmare, Elsevier's Journal of Computers and Electrical Engineering , Dec. 2011.

[12] "Statistical Analysis of RR Series Variability in Spinal Cord Injured Persons," Patil A.G., Chile R.H., Hamde S.T., International Journal of Medical Engineering & Technology, 2012, April, Vol. 36, No. 3, PP. 180-184.

[13] "Assessment of Functional Efficiency of Autonomic Nervous System in SCI Subjects Using RR Variability" A. G. Patil, R. H. Chile, and S. T. Hamde; International Journal of Bioscience, Biochemistry and Bioinformatics, Vol. 2, No.4, July 2012

[14] "Adaptive Distance Protection Algorithm for Series Compensated Transmission Line Using One End Fault Location Measurement," Santosh B. Kulkarni and Rajan H. Chile, for publication as a chapter in the forth coming edited volume entitled "MATLAB Application in Energy and Power Engineering" in the book series on MATLAB APPLICATIONS IN ENGINEERING AND TECHNOLOGY published from Springer, Germany, (Accepted).

[15] "Performance Evaluation of Fault Location Algorithm for Protection of Series Compensated Transmission Line," Santosh B. Kulkarni and Rajan H. Chile, International Journal of Electrical Engineering and Technology, Vol. 2, No. 2, July 2011, pp. 32-41.

[16] "MATLAB/SIMULINK Simulation Tool for Power Systems," International Journal of Power System Operation and Energy Management, Vol. 1 Santosh B. Kulkarni and Rajan H. Chile, Issue-2, 2011, pp. 33-38.

[17] "A Novel Fast Adaptive Digital Distance Protection of Transmission Line in Presence of SVC," Santosh B. Kulkarni and Rajan H. Chile, ELEKTRIKA, Journal of Electrical Engg., 2012, Vol. 14, No. 1, pp. 14-20.

Papers In National Journal:

[1] "Digital adaptive control techniques in process industry, part-I: Structure and Funcions," Verma H.K., Saxena S.C., Chile R.H., Published in Electrical India, Vol.36, No. 13, 1996, pp. 7-13.

[2] "Digital adaptive control techniques in process industry, part-II: Control Techniques," Verma H.K., Saxena S.C., Chile R.H., Published in Electrical India, Vol.36, No. 14, 1996, pp.14-19"

[3] "Digital adaptive control techniques in process industry, part-III: Comparative Study and Conclusions," Verma H.K., Saxena S.C., Chile R.H., Published in Electrical India, Vol.36, No. 15, 1996, pp. 19-25."

[4] "Applications of combined direct and indirect adaptive control algorithm for temperature control of counter-flow heat exchanger", Saxena S.C., Verma H.K. ,Chile R.H., Published in IETE research Journal , New Delhi, Vol. 46, No.4, July-August 2000, pp.265-275

[5] "Modified approach to Model-Reference Adaptive Controller", Saxena S.C., Verma H.K., Chile R.H., Published in Journal of Institution of Engineers, Vol. 82, January 2001, pp. 43-51 (Electronics and Telecommunications Division)

[6] "Microprocessor based temperature indicator and controller", R. G. Jamkar., , R.H. Chile, Published in Journal of Instrument Society of India , Vol. 34, No. 3, 2003, pp.180-186

[7] "PLC based sequential controller", Y.S. Angal, R.G. Jamkar, R.H.Chile, IETE Technical Review Journal, Vol. 23, No. 3, May-June-2006, pp.163-171

[8] "An adaptive Approach in Distance Protection-A Survey", S.B. Kulkarni, R.H.Chile, e-Publication on-line article, May 25, 2006

[9] "Fisher Simmon Simulation Model for acoustic wave absorbtion",T.B. Mohite Patil, T.T. Mohite Patil, S.R. Sawant and R.H. Chile, Instrument Society of India, Vol. 41, No. 2, June 2011, pp. 130-133

[10] "Genetic Approach to Design Decentralized PID Controllers for Multi-variable Processes", M.J. Lengare, R.H. Chile, L.M. Waghmare, Instrument Society of India, Vol. 41, No. 2, June 2011, pp. 93-97.

[11] "Comparison of end point detection algorithms in isolated words for speech signal processing," Y.S. Angal, R.H. Chile, R.S. Holambe, Jr. of Instrument Society of India, Vol. 14, Issue no.4, Dec. 2010, pp.305-07

[12] "Ainslice Mc colm simulation model for acoustic wave absorption", T.B. Mohite-Patil, T.T. Mohite-Patil, S.R.Sawant, R.H.Chile, Jr. of Instrument Society of India, Vol. 41, No.3, Sept. 11, pp.174-177

[13] " Chen and Millero- UNESCO underwater sound speed simulation model and its correction", T.B. Mohite-Patil, T.T. Mohite-Patil, S.R.Sawant, R.H.Chile, Jr. of Instrument Society of India, Vol. 41, No.3, Sept.11, pp.168-171

Papers in International Conferences:

[1] "Implementation of complex control scheme using microprocessor," Chile R.H., Hamde S.T. , *Proceedings of 5ᵗʰ International Congress (NAFEN), New Delhi*, 21ˢᵗ-22ⁿᵈ Nov. 1991, pp. 36-39

[2] "Microprocessor based tool position control of workshop machine", Hamde S.T., Chile R.H., *Proceedings of 5ᵗʰ International Congress (NAFEN), New Delhi*, 21ˢᵗ-22ⁿᵈ Nov. 1991, pp. 40-43

[3] "Algorithm for on-line estimation of parameters of digital PID controller," Chile R.H., Verma H.K., Saxena S.C., *Proceedings of the international conference on ,"Mathematics and its applications in engineering and Industry,"at University of Roorkee, Roorkee, Narosa Publishing House, New Delhi*, 1997,pp.214-221

[4] "Combined direct and indirect adaptive control of first order system," Chile R.H., Verma H.K., Saxena S.C., *Proceedings of International conference on computer applications in Electrical Engg., CERA-97", at University of Roorkee, India,* 1997, pp. 513-519.

[5] "Fuzzy precompensated PID Controller," Arun D. Sonar, R.H.Chile, R.G Jamkar, *Proceedings of International Conference INCON 2004 at PIET, Pune*

[6] "Developments of Fibre Optic pH Meter based on Colorimetric Principle," Gaikwad A.D., Chile R.H., Shaligram A.D., *Proceedings of International Conference INCON 2004 at PIET, Pune*

[7] "Implementation of Robust Sliding Mode Fuzzy Logic Controller for Nonlinear Systems", Nagrale R., Chile R.H., *Proceedings of International Conference at Priyadarshini College of Engg., Nagpur*, p. 77, July 2006.

[8] "Design of Fuzzy Controller for batch reactor", Nitin Patil, R.H.Chile, RACE 2007, at Govt. College of Engg., Bikaner, pp. 76-80, March 24-25,2007

[9] "Industrial Temperature Regulation using an Adaptive Fuzzy Logic Controller", Nitin Patil, R.H.Chile, L.M. Waghmare, *Proceedings of Int.*

Conf. on Informatics in Control, Automation and Robotics, ICICNO 2007, Angers, France, May 9-12, 2007

[10] "Comparative study of SMC and SMFLC Robustness Property" Ravindrakumar Manik Nagarale, Pramod Arvind Kulkarni, Rajan Hari Chile, Balasaheb Maharudraappa Patre at *IEEE ICMA 2007 at Harbin, China in August , 2007*

[11] "Optimization of PID controller using Genetic Algorithm",R. H. Chile, L.M. Waghmare, M.J. Lengare, Bhavesh Parmar, in *Proceedings of the International Conference on Systemics, Cybernetics and Informatics, Hyderabad,* 2-5 Jan. 2008, pp. 351-354

[12] "Designing of PID controller using Genetic Algorithm", M.J. Lengare, Bhavesh Parmar, R. H. Chile, L.M. Waghmare, *in Proceedings of the International Conference on Sensors, Signal Processing, Communication, Control and Instrumentation, Pune*, 3-5 Jan. 2008, pp. 135-139

[13] "A genetically Tuned Optimal PID Controller," R. H. Chile, L.M. Waghmare, M.J. Lengare, in *Proceedings of First International Conference on Emerging Technologies and applications in Engg. Technology and Sciences, Rajkot,* Gujrat, 13-14, Jan. 2008,Vol. II, PP. 1521-1524.

[14] "Improving PID Controller by Genetic Algorithm," R. H. Chile, L.M. Waghmare, M.J. Lengare, in *Proceedings of International Conference on Emerging Techniques in Computing, Electronics, Embedded System and VLSI Design, Ahmadnagar,* 20-21 March 2008, pp. 203

[15] "Design of Decentralized Controllers for MIMO Processes", R. H. Chile, L.M. Waghmare, M.J. Lengare, in *Proceedings of First International Conference on Emerging Technologies, Benglore,*

[16] "Implementation of adaptive fuzzy controllers for speed control of PMSM drive", Patil N. J., Chile R. H. and Waghmare L. M., *proc. of International conference on Futuristic Computer Applications*, Bangalore, India, 2010.

[17] "Input scaling factors based fuzzy adaptive controller", Patil N. J., Chile R. H. and Waghmare L. M.,*proc. of International conference on Advances in Energy Conversion Technologies*, Manipal, India, 17-20 January 2010.

[18] "Hybrid model reference adaptive fuzzy controller" Patil N. J., Chile R. H. and Waghmare L. M., *proc. of International conference on Emerging Trends in Engineering & Technology*, Nagpur, India, 16-18 December 2009.

[19]   "A novel approach to model reference adaptive fuzzy controller using output scaling factor", Patil N. J., Chile R. H. and Waghmare L. M., *proc. of International conference on Fuzzy Systems*, Ankara, Turkey, 1-2 October 2009

[20]   "Design of model reference adaptive fuzzy controller for green house process" Patil N. J., Chile R. H. and Waghmare L. M., *proc. of International conference on Systemics*, Cybernetics and Informatics, Hyderabad, India, 7-10 January 2009.

[21]   "Design of Fuzzy Logic Controller based on Genetic Algorithms*"* Patil N. J., Chile R. H. and Waghmare L. M.*, proc. of International Conference on Resource Utilisation and Intelligent Systems,* Erode, India, 2008.

[22]   "An adaptive fuzzy logic control system for industrial temperature regulation" Patil N. J., Chile R. H. and Waghmare L. M., *proc. of International conference on Informatics in Control, Automation and Robotics,* Angers, France, 9-12 May 2007.

[23]   "Design of model reference adaptive fuzzy controller" Patil N. J., Chile R. H. and Waghmare L. M., *proc. of IET-UK International conference on Information and Communication Technology in Electrical Sciences*, Chennai, India, 20-22 December 2007.

[24]   "Adaptive fuzzy controller for time delay process" Patil N. J., Chile R. H. and Waghmare L. M., *proc. of International conference on Industrial Informatics*, Mexico, 13-15 November 2007

[25]   "Model based analysis of sympathetic and parasympathetic nervous systems in spinal cord injured subjects using RR variability", A.G.Patil , R.H.Chile and S.T.Hamde , ICBET, 2012

Papers in National Conferences:

[1]   "Vibration measurement, analysis and monitoring by 8085 microprocessors", Hamde S.T., Chile R.H., Proceedings of All India Conference on Applied Instrumentation at University of Roorkee, Roorkee, Feb. 1992, pp.27-30

[2]   "8085 microprocessor based frequency response analyzer," Chile R.H., Hamde S.T., Proceedings of All India Conference on Applied Instrumentation at University of Roorkee, Roorkee, Feb. 1992, pp.31-34.

[3]   "Microprocessor based D.C. motor speed control," Hamde S.T., Chile R.H., Proceedings of All India Conference on Applied Instrumentation at University of Roorkee, Roorkee, Feb. 1992, pp.285-288.

[4]   "Microprocessor based temperature indicator and controller," Jamkar R.G., Chile R.H., National Symposium on Instrumentation (NSI-27) , Nov. 2002 at Bharthair University, Coimbatore

[5]   "PC based calibration set-up for temperature transducer-RTD," Chile R.H., Jamkar R.G., National Symposium on Instrumentation (NSI-27) , Nov. 2002 at Bharthair University, Coimbatore

[6]   "Robust sliding mode controller for nonlinear systems", Nagrale R., Chile R.H., TsyGeca 06 at GCOE, Aurangabad, pp. 440-444, Jan. 2006

[7]   "Voice activated device control (speech recognition) ," Angal Y., Chile R.H. Holambe R.S., TsyGeca 06 at GCOE, Aurangabad, Jan. 2006

[8]   "Implementation of robust sliding mode controller for nonlinear system", Nagrale R., Chile R.H., ECI 2006 at St. Josef's College of Engg. Chennai, pp. 51-56, Feb 2006

[9]   "Fuzzy Logic Based PID Controller Tuning Method", Nitin Patil, R.H.Chile, CISCON 2006, Manipal Institute of Technology, Manipal, Nov. 21-22, 2006

[10]   "Design of Fuzzy PID Controller for Control Application", Nitin Patil, R.H.Chile, NCDSP 2006, Fr. CRCE, Bandra, Mumbai, pp. 177-182, Jan. 19-20, 2006

[11]   "Hybrid Fuzzy Logic Controller for Temperature Control System", Nitin Patil, R.H.Chile, RTIT 2006, JTMCOE, Faizpur, pp. 1-6, Oct. 21-22, 2006

[12]   "Design of Simple Fuzzy PID Controller", Nitin Patil, R.H.Chile, BITCON 2007, Bhilai Institute of Technology, Durg, CG, pp. 65-69, March 16-17, 2007

[13]   "Implementing Fuzzy Adaptive Controller for Process Control", Nitin Patil, R.H.Chile, NCDIM 2007, T.S. College of Engg., Mumbai, III-6 to III-12, April 27-28, 2007

[14]   "An efficient mapping scheme with robust co-operative coding for CDMA", Patil Y.M., Chile R.H.,at Conf. at Pune, on 7-8, Sept. 2007

[15]   "PID controller tuning using Genetic Algorithm (GA)",Lengare M.J., Chile R.H., Waghmare L.M., ETCS-2007, October at Meerut, pp. 258-264

[16] "More Efficient GA for Tuning optimal PID Controller" Lengare M.J., Chile R.H., Waghmare L.M., NCTIAC 2007, at Mumbai on Dec. 28-29, 2007, pp. A-1

Other Papers:

[1] "Problems and difficulties of entrepreneurs," Chile R.H., Jamkar R.G., Hamde S.T., Proceedings of Seminar on "Role and responsibility of technical institutes in innovation and entrepreneurship," Jan. 1990, pp.79-80

[2] "The need of industry and engineering institute interaction in economic development," Chile R.H., Hamde S.T., 21st annual convention of ISTE , Dec. 1991

[3] "Optical fibre and technical education", Kahalekar S.G., Chile R.H., Proceedings of Seminar on "Revamping of Technical education", Jan. 1991, pp. 164-168

[4] "Biomedical Engineering Education in India," Kahalekar S.G., Chile R.H., Proceedings of Seminar on "Revamping of Technical education", Jan. 1991, pp. 168-172

[5] "Biomedical Engineering Education," Kahalekar S.G., Hamde S.T., Chile R.H., Jamkar R.G., Proceedings of IEEE-EMBS and 14th BMESI Conference held at New Delhi, Feb. 1995, pp. 2.95-2.96

[6] "Marathwadyat Tantravidyapithachi Garaj, i.e. Necessity of Technical University in Marathwada Region," Chile R.H., Satyaprabha, News-paper, Nanded, August 9,1999,p.9

Conference Attended:

i. State level conference on "Role and responsibility of Technical Institutes in Innovation and Entrepreneurship", Jan. 1990 at SGGS C E T, Nanded

ii. 5th International Congress and Exhibition hosted by National Foundation of Indian Engineers (NAFEN), Nov. 1991, at New Delhi

iii. International Conference on "Mathematics and its Applications in Engineering", at University of Roorkee, Roorkee in Sept., 8-11,1997

iv. International Conference on "Computer Applications in Electrical Engineering", CERA-97 at University of Roorkee, Roorkee in Sept, 1997

v. International Conference on Instrumentation INCON 2004 at PIET, Pune

14. **Details of Short-Term Training Programs (STTP) attended:**

Sr.No.	Institution	Title of Course	Duration
01	University of Roorkee, Roorkee	Recent trends in Biomedical Instrumentation	19/6/88 to 2/7/88 Two Weeks
02	I.I.T., Kharagpur	Common Laboratory Equipments (Use and Fault diagnosis)	10/12/99 to 22/12/99 Two weeks
03	SGGSCE & T Nanded	Induction Training for Teachers	25/2/93 to 28/2/93 One week
04	SGGSCE & T, Nanded and Tata - Honeywell, Pune	Process Control and D.C.S. Overview	26/493 to 30/4/93 One week
05	SGGSCE & T, Nanded and Tata-Honeywell, Pune	TDC 3000 and LCS 620 Implementation	1/11/93 to 19/11/93 Three weeks
06	MNREC, Allahabad	Pump and Valve selection for optimum performance	27/12/93 TO 8/1/94 Two Weeks
07	TKIE&T, Warananagar	Medical Instrumentation: Present Scenario	20/6/94 to 2/7/94 Two weeks
08	SGGSCE & T, Nanded	Strategic Planning and Institutional Development	05/09/96 to 07/09/96 Three days
09	ISTE, U.P. Section and University of Roorkee	Strategic Planning for Institutional Development	05/09/96 to 07/09/96 Three days
10	QIP Centre , U.O.R., Roorkee	Creativity, Design Process and Teaching	06/09/1997
11	W.I.T. , Solapur	Internet Programming	05/06/2000 to 16/06/2000 Two Weeks
12	SGGS C.E. and T., Nanded	Programming with C and C++	29/06/2000 to 19/07/2000 Three weeks
13	SGGS C.E. and T., Nanded	Computer Applications in System Engg.	21/05/2001 to 02/06/2001 Two weeks
14	SGGS C.E. and T., Nanded	Neural N/W and Fuzzy Logic: Theory and Applications	11/06/2001 to 23/06/2001 Two weeks
15	SGGS C.E. and T., Nanded	Water Management: Basic Principles and Interdisciplinary Approach	25/06/2001 to 07/07/2001 Two weeks
16	MGMCOE, Nanded	Mobilization of Financial Resources in Technical Institutes	07/01/2002 to 18/01/2002 Two weeks
17	WCE, Sangli	Student Evaluation System under Autonomous status (Under	21/10/2005

		TEQIP)	
18	VNIT, Nagpur	Renewable Energy and Technologies (Under TEQIP)	14/06/2006 to 16/06/2006
19	WCE, Sangli	Advanced Control Systems	22/07/2006 to 23/06/2006
20	RIT, Sakhrale	Orcad PSpice software	4/8 to 5/8/6
21	SGGSIET, Nanded	Tanner Tools Pro. (A complete VLSI design system)	Sept. 24-25,2006
22	RIT, Sakhrale	Advanced DSP	19/1 to 20/1/2007
23	Indian Institute of Science, Bangalore	Advanced Control Systems	3/2 to 4/2/2007
24	KIT, Kolhapur	ME (E & TC) Syllabus Revision	Feb. 20, 2007
25	IIT, Mumbai and SGGS I.E.T., Nanded	Scilab and Its Applications to Global Optimization and Fractional Differential Equations	April 23-25, 2010
26	Irrigation Dept.,Nanded and SGGS I E & T, Nanded	Positive Approach and Communication Skills	20th August 2010
27	SGGS I E &T., Nanded	Industrial Instrumentation	March, 16, 2011
28	SGGS I E and T., Nanded	Recent Advances in Speech, Image and Video Processing. (AICTE Sponsored)	Dec. 12-23 2011 Two Weeks

16. **Area of Specialization**:

      i.   Process Control and Instrumentation

      ii.   Instrumentation System Design

      iii.   Control Engineering

      iv.   Adaptive control and its applications to Process Industries

17. **Additional Responsibilities**:

      i.   Prepared and worked for different DCA schemes as a In-Charge of Instrumentation and Process Control Engineering laboratory.

      ii.   Worked as Assistant Chief Superintendent for D.B.A. Marathwada University , Aurangabad and S.R.T. Marathwada University, Nanded during Dec/Jan 1993/94, May/June 1999 and Dec/Jan 200/02 Examinations.

      iii.   Worked as officer-in-charge of Central Assesment Programme (CAP) of S.R.T. Marathwada University, Nanded during Dec/Jan 2000 and May/June 2001 Exam.

      iv.   Worked in M.E. (Instrumentation) admission committee as well F.E. admission committee .

v. Worked as Warden of Boy's Hostel during period July 1993 to June 1995 and at present working since July 2009.

vi. Worked as Advisor of IESA (Instrumentation Engineering Students Association)

vii. Worked as In-Charge , Students Consumer Society, SGGS I.E. and T., Nanded

viii. Worked as Subject Expert in different interview committees

ix. Worked in the following different committees :

   a. Training and placement committee

   b. Syllabus revision committee at U.G. and P.G. level

   c. Canteen committee

   d. Academic Monitoring Committee

   e. Secretary, Academic Excellence Cell in Autonomous Engineering Institute

   f. Interview Committee

   g. Grievances committee

x. Worked as NSS coordinator for SGGS unit in year 2009-10

xi. Working as Warden of hostels

xii. Working as In-charge , Electrical Maintenance Cell, SGGS Campus since Oct. 2009

18. **Achievements:**

i. A reviewer of 6th International Conference on "Control, Automation, Robotics and Vision (ICARCV)" held on Dec. 5-8, 2000 in Singapore.

ii. Selected as Faculty of Engineering at Multimedia University, Malysia.

iii. Member, Editorial Board , Proceedings of the International Conference on "Computer Applications in Electrical Engineering – recent Advances, CERA-97," , University of Roorkee, Roorkee (presently IIT, Roorkee)

iv. Recognised PG teacher of S.R.T. Marathwada University , Nanded

v. Recognised research (Ph.D) guide at S.R.T. Marathwada University , Nanded and Recognised research (Ph.D) guide at Shivaji University, Kolhapur.

vi. **Guest faculty** at Govt. College of Engineering, Chandrapur and Govt. College of Engineering, Amaravati.

vii.   **Resource faculty** at following different STTP/seminars/workshops

a. AICTE_ISTE approved STTP at Govt. College of Engg., Pune on Digital Control and Robotics, May 2002

b. ISTE course at SGGS CE and T, Nanded on "Water management : Basic principles and Interdisciplinary approach" June/July 2001

c. Workshop on NBA training for Faculty of PES College of Engg. , Aurangabad, Feb. 2003

d. NSS camp of S.R.T. Marathwada University, Nanded ,March 2003

e. ISTE-STTP Course on "Introduction to PLCs and DCS systems" at Govt. Polytechnic, Nanded, April2003

f. Workshop on "Development in Instrumentation Engg. Curriculum" at PVPIT, Budhgaon , Sangli sponsored by Shivaji University, Kolhapur

g. Workshop on "Participative Teaching Techniques" at SGGS C.E.and T., Nanded , August 2001

h. Workshop on "Advanced Control Systems" at Walchand College of Engg., Sangli in July 2006

19. Courses/Conferences Organized:

a.   Organized Two Day Workshop on "Advanced Control System", at Walchand College of Engineering, Sangli in 2007

b.   Organized Two Day Workshop on "Applications of Digital Signal Processing in Industry" during March 20-21, 2010 at Dept. of Instrumentation Engg., SGGS I.E. and T., Nanded.

c.   Organizing Secretary, "National Conference on Instrumentation, Control and Signal Processing (ICSP-2013), Scheduled on July 8th-9th, 2013.

20. Research Projects :

Research Promotion Scheme (RPS) sanctioned by AICTE, New Delhi with Grant-in-aid Rs. 5,00,000/- (Rupees Five Lakh only) in Dec. 2, 2011.
Title of the Project: Design and Development of Adaptive Controllers using Different Process Identification Techniques for on-line Process Control Applications"

21. Membership:

i. Life member of ISTE, New Delhi (No. LM 5525)

ii. Life member of Instrumentation Society of India, Benglore(No. LM 1345)

iii. Member, Board of Studies in Instrumentation Engg., Shivaji University, Kolhapur

iv. Member, Board of Studies in Biomedical Engg., Sholapur University, Sholapur

v. Member, Senate, SGGS I E and T, Nanded

20. Awards Received:

Recipient of a **Late Padmashree S.M. alias Annasaheb Beharay Ideal Teacher Commendable Prize** of Rs. 15,000/- and certificate from Walchand college of Engineering, Sangli and MTE Society, Pune for the year 2007-08.

20. **Hobbies:**

i. Reading Marathi Literature
i. Swimming
ii. Yoga

Above information is true to the best of my knowledge.

Dr. Rajan Hari Chile

References:

1. Dr. L. M. Waghmare
   Director, S.G.G.S. Institute of Engg. and Tech.,
   Vishnupuri, Nanded. Pin – 431606
   Ph. No. 02462-229234.

2 Dr. Vinod Kumar,
   Professor, Dept. of Electrical Engg.,
   Indian Institute of Technology,
   Roorkee. Pin - 247 667. (U.A.)