



Resume of Dr. R. K. Suresh

Dr. R. K. Suresh, M.E., M.I.E., P.G.D.M.M., Ph.D.,
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 Amrita School of Engineering
 Amrita Vishwa Vidyapeetham
 Ettimadai, Coimbatore - 641 105, INDIA.

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- Chairman, NAAC Coordination Committee**
Amrita Vishwa Vidyapeetham, Coimbatore, TN.
- Vice Chairman, Department of Mechanical Engineering, Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore, TN.**
- Executive Council Member of Indian Society for Technical Education, New Delhi**
- Member-Academic Board, PSG Polytechnic College, Peelamedu, Coimbatore, TN.**
- Member, Board of Studies, Mechanical Engineering, ANNA University, Coimbatore, TN.**
- Member, Board of Studies, Mechanical Engineering, Adhiyaman College of Engineering (Affiliated to ANNA University, Coimbatore), Hosur, TN.**
- Member, Board of Studies, Mechanical Engineering, KS Rangasamy College of Technology (Affiliated to ANNA University, Coimbatore), Tiruchengode, Namakkal District, TN.**
- Member-Academic Board, PAC Ramasamy Raja Polytechnic College, Rajapalayam, TN.**
- Inspection Committee Member, Anna University Coimbatore-Consideration of granting provisional / permanent affiliation.**

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 3rd Street, Uppilipalayam
 Coimbatore, TamilNadu, INDIA.
 PIN: 641 015.

I. PERSONAL INFORMATION

Father's Name: Mr. R. Kannaiyan
Occupation: Retired School Clerk
Date of Birth and Age: May 5, 1963; 44 Years, 8 Months.
Place of Birth: Kamaya Kavundan Patti Village, Theni District, TN
Marital Status: Married
Religion: Hindu – 'Vakkaliga'
Nationality: INDIAN
Family Details: My wife is a schoolteacher. We have two daughters; the elder one is 17 Yrs old and the younger is 12 Years old.

II. EDUCATIONAL QUALIFICATION

- Ph.D in Production Engineering in the year **2005** from PSG College of Technology, Affiliated to Bharathiar University, Coimbatore, INDIA.

Thesis Title: **An Investigation on the Application of Metaheuristics to Job Shop Scheduling Problems with Multiple Objectives.** [Research Supervisor: Dr. K.M. Mohanasundaram]
- Master of Engineering with specialisation in the subject of Production Engineering, PSG College of Technology, Coimbatore-4. January, 1997. First Class (78%)

Thesis Title: **AGV Scheduling Integrated with Production Scheduling,** Guide: Dr. S.G. Ponnambalam]
- Post Graduate Diploma in Marketing Management from Indira Gandhi National Open University, New Delhi –68, 1993-1994. (Enrolment No. 935773164)
- Bachelor of Engineering in Mechanical Engineering, Government College of Technology, Coimbatore. 1987-1991. First Class (72%)
- Diploma in Mechanical Engineering, Alagappa Government Polytechnic, Karaikudi-4. 1979-1982. First Class (76%)

III. CAREER PROFILE

- 1, July 2006 Vice Chairman of the Department of Mechanical Engineering, School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore, India.
- 10, June 2006 Professor, Department of Production Engineering, School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore, India.
- 1, May 2003 Assistant Professor, Department of Production Engineering, School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore, India.

- 1, April, 1999 Senior Lecturer, Department of Production Engineering, School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore, India.
- 15, May 1996 Lecturer, Department of Production Engineering, School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore, India..
- 1, April 1991 Lecturer, Department of Mechanical Engineering, Sree Narayanaguru Institute of Technology, Coimbatore, India.
- 22, Aug 1989 Instructor, Department of Mechanical Engineering, Sree Narayanaguru Institute of Technology, Coimbatore, India.
- 1, July 1987 Instructor, Department of Mechanical Engineering, Christ the King Institute of Technology, Coimbatore, India.
- 1, May 1982 Production Supervisor, Anderson Accurate Machiners, Coimbatore, India.

Table 1 Service Details

Organisation	Period		Total Years of Service
	From	To	
1. Amrita School of Engineering, Coimbatore	15/05/1996	Till Date	11 Years 9 Months
2. Sree Narayanaguru Institute of Technology, Coimbatore	22/08/1989	10/05/1996	6 Years 9 Months
3. Christ the King Institute of Technology, Coimbatore	01/07/1987	30/06/1989	2 Years
3. M/S Anderson Accurate Machiners, Coimbatore	May 1982	Nov 1986	4 Years 6 Months

IV. RESEARCH PUBLICATIONS

A. REFEREED INTERNATIONAL JOURNAL

1. N. Jawahar, S.G. Ponnambalam, P.Aravindan and **R.K. Suresh**, “AGV Schedule Integrated with Production in Flexible Manufacturing Systems”, International Journal of Advanced Manufacturing Technology, , Publisher: Springer-Verlag London Ltd., vol. 14, pp. 428-440, (1998).
2. **R.K. Suresh** and K.M. Mohanasundaram, “Pareto Archived Simulated Annealing for Job Shop Scheduling with Multiple Objectives”, International Journal on Advanced Manufacturing Technology, Publisher: Springer-Verlag London Ltd. vol. 29, pp. 184-196 (2006).
3. T. Pasupathy, Chandrasekharan Rajendran and **R.K. Suresh**, “A multi-objective genetic algorithm for scheduling in flow shops to minimise makespan and total flow time”,

International Journal of Advanced Manufacturing Technology, Publisher: Springer-Verlag London Ltd, vol. 27, pp 804-815, (2006).

4. K. Rameshkumar , **R.K. Suresh** and .K.M. Mohanasundaram, “Discrete Particle Swarm Optimization (DPSO) Algorithm for Permutation Flow shop Scheduling to Minimize Makespan, Lecture Notes in Computer Science Journal, Springer-Verlag GmbH, ISBN: 978-3-540-28320-1, vol. 3612, pp 572-581, (2005).

B. REFEREED NATIONAL JOURNAL

1. **R.K. Suresh** and K.M. Mohanasundaram, “Simulated Annealing Algorithm Guided by Local Search for Minimizing Mean Flow Time in a Job Shop” in the Industrial Engineering Journal published by The Indian Institution of Industrial Engineering, Mumbai, VOL. XXXV NO. 3, March 2006, ISSN 0970-2555.

C. REFEREED INTERNATIONAL CONFERENCE

1. **R.K. Suresh** and K.M. Mohanasundaram, “Comparison of Solution Representation Schemes in Genetic Algorithms for Job Shop Scheduling”, Proceedings of the International Conference on Intelligent Flexible Autonomous Manufacturing Systems, TMH Publishing Company Limited, pp486-494, (2000), (Paper was presented by Dr. R.K. Suresh).
2. K. Ganesan, **R.K. Suresh**, P.V. Mohanram and C.H. Vishnukumar, “Optimum Tolerance Allocation and Process Selection using Simulated Annealing”, Proceedings of the International Conference on Mechanical Engineering, Bangladesh University of Engineering & Technology, Dhaka, Vol. 3, pp 201-206, (2001), (Paper was presented by Dr. R.K. Suresh).
3. **R.K. Suresh**, K.M. Mohanasundaram, and Chandrasekharan Rajendran, “An Effective Simulated Annealing Algorithm for Job Shop Scheduling Problems”, Proceedings of the International Conference on Manufacturing, Bangladesh University of Engineering & Technology, Dhaka, Vol 1, pp613-621, (2002), (Paper was presented by Dr. R.K. Suresh).
4. **R.K. Suresh**, K.M. Mohanasundaram, and Chandrasekharan Rajendran, “A Simulated Annealing Algorithm Guided by Local Search for the Job Shop Scheduling Problem”, Proceedings of the International Conference on Digital Aided Modelling and Simulation- An Evolutionary Approach for Optimisation, Coimbatore Institute of Technology, paper 20, (2003), (Paper was presented by Dr. R.K. Suresh).
5. **R.K. Suresh** and K.M. Mohanasundaram, “Pareto Archived Simulated Annealing for Flow Shop Scheduling with Multiple Objectives”, Proceedings of the 2004 IEEE Conference Cybernetics and Intelligent Systems (CIS 04), held in Singapore during 1-3 December 2004, (Paper was presented by Dr. R.K. Suresh).
6. S. Marimuthu, S.G. Ponnambalam and **R.K. Suresh**, “Evolutionary algorithm and Threshold accepting algorithm for scheduling in two-machine flow shop with lot streaming”, Proceedings of the 2004 IEEE Conference Cybernetics and Intelligent Systems (CIS 04), held in Singapore during 1-3 December 2004, (Paper was presented by Dr. R.K. Suresh).

7. **Suresh, R.K.** and Mohanasundaram, K.M. "Multi-objective Optimization using Genetic Algorithm with Easy and the Fast Non-domination Ranking", Int. Conference on Operational Research Applications in Infrastructural Development", Indian Institute of Science, Bangalore, Dec 27-29, **2005**, (Paper was presented by Dr. R.K. Suresh).
8. S Chandrasekaran, P Sivalinga Govindarajan, **R K Suresh**, N Vijayakumar, "A Hybrid Discrete Particle Swarm Optimization Algorithm to Solve Flow Shop Scheduling Problems", Proceedings of the IEEE International Conference on Cybernetics and Intelligent Systems (CIS 2006), IEEE Catalog Number: 06EX1248C and ISBN: 1-4244-0023-6 held in Bangkok, Thailand, from 7 - 9 June **2006**, (Paper was presented by Dr. P. Sivalinga Govindarajan).
9. Chandrasekaran, S. Ponnambalam, S.G. **Suresh, R.K.** Vijayakumar, N. "An Application of Particle Swarm Optimization Algorithm to Permutation Flowshop Scheduling Problems to Minimize Makespan, Total Flowtime and Completion Time Variance," Proceedings of the IEEE International Conference on Automation Science and Engineering, **2006** (CASE '06.), Shanghai, China, pp. 513-518, ISBN: 1-4244-0311-1, (Paper was presented by Dr. P. Sivalinga Govindarajan).
10. R.Chandrasekar, **R.K.Suresh** and S.G.Ponnambalam, "Evaluating an Obstacle Avoidance Strategy to Ant Colony Optimization Algorithm for Classification in Event Logs", In Proc. of the 14th International Conference on Advanced Computing and Communications (ADCOM) **2006**, pp.628-630, December 2006, IEEE Press.

D. REFEREED NATIONAL CONFERENCE

1. **R.K. Suresh**, K.M. Mohanasundaram, and J. Prasanth, "Application of Simulated Annealing Algorithm for Solving Job shop Scheduling", Proceedings of the National Seminar on Optimization Techniques in Manufacturing Practice, Kumaraguru College of Technology, pp148-157, (**2000**), (Paper was presented by Dr. R.K. Suresh).
2. **R.K. Suresh**, K.M. Mohanasundaram, and Chandrasekharan Rajendran, "Multi-objective Optimization Using Genetic Algorithms for Job Shop Scheduling", Proceedings of the National Conference on 4th Operations Management, Indian Institute of Technology Madras, Chennai, pp122-128, (**2000**), (Paper was presented by Dr. C. Rajendran).
3. **R.K. Suresh** and K. Rameshkumar, "Aggregate Production Planning - A Case Study", XXXIII Annual Convention of the Operational Research Society of India, IIM, Ahmedabad, India, (**2000**), (Paper was presented by Dr. R.K. Suresh).
4. **R.K. Suresh**, K. Rameshkumar, K.M. Mohanasundaram, and S. Vijayakumar, "Aggregate Production Planning Using Genetic Algorithm", Proceedings of the National Conference on Advanced Computing, Vikas Publishing House Pvt. Ltd., pp119-128, (**2001**), (Paper was presented by Dr. R.K.Suresh).

5. **R.K. Suresh**, K.M. Mohanasundaram, and Chandrasekharan Rajendran, “A Hybrid Multi-objective Optimization of Flow Shop Scheduling Problems using Genetic Algorithms-Preliminary Results”, Proceedings of the National Conference on Advanced Computing, PSG College of Technology, pp239-248, (2001), (Paper was presented by Dr. R.K.Suresh).
6. **R.K. Suresh**, K.M. Mohanasundaram, and Chandrasekharan Rajendran, “An Investigation of Random Key Genetic Algorithm for Job Shop Scheduling”, Proceedings of the National Seminar on Recent Trends in Production and Operations Management, Annamalai University, pp30-37, (2001), (Paper was presented by Dr. K.M.Mohanasundaram).
7. **R.K. Suresh**, K.M. Mohanasundaram, and Chandrasekharan Rajendran, “A Hybrid Multi-objective Genetic Algorithms for Job Shop Scheduling”, Proceedings of the National Conference on Computer Integrated Design and Manufacturing, Allied Publishers Limited, pp365-373, (2001), (Paper was presented by Dr. R.K. Suresh).
8. **R.K. Suresh**, K.M. Mohanasundaram, and Chandrasekharan Rajendran, “A Hybrid Multi-criteria Optimization of Job Shop Scheduling Problems using Simulated Annealing Algorithm”, Proceedings of the National Conference on Mathematical and Computational Models, Allied Publishers Limited, pp 486-493, (2001), (Paper was presented by Dr. R.K. Suresh).

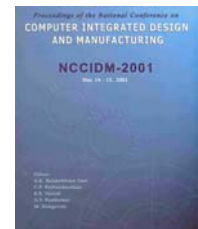
V. SUBJECTS TAUGHT (Last 5 Years):

1. Enterprise Management
2. Design for Manufacture and Assembly
3. Management of Systems
4. Computer Integrated Design and Manufacturing
5. Manufacturing Engineering
6. Design of Jogs, Fixtures and Press Tools

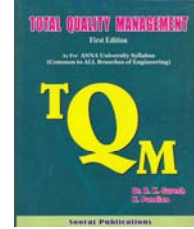
VI. SPECIALIZATION: Computer Assisted Production Scheduling, Design for Manufacture and Assembly, and Simulation modelling of manufacturing systems.

VII. BOOKS AUTHORED

1. Published a textbook on Basic Mechanical Engineering for the first year course of BE, published by Pratheeba Publishers, Coimbatore, (1998).
2. Editor of the Proceedings of the First National Conference on Computer Integrated Design and Manufacturing, Published by M/s. Allied Publishers, Chennai, ISBN: 81-7764-160-3, (2001).



3. Editor of the Proceedings of the First National Conference on World Class Manufacturing, Published by M/s. Allied Publishers, Chennai, ISBN: 81-7764-469-6, (2003).
4. Book titled “Total Quality Management (TQM),” Sooraj Publications, Chennai - 18, (2006).



VIII. PROFESSIONAL MEMBERSHIP

1. Life Member, Indian Society for Technical Education, New Delhi, (LM 16247)
2. Member of the Institution of Engineers (India), Kolkata (M122502-7)
3. Member, International Society on Multiple Criteria Decision Making. (<http://www.terry.uga.edu/direct/India>)

IX. EXTRA CURRICULAR ACTIVITIES

1. Participated in the Orientation course for NSS Programme Officers from 8th to 17th July 1998 held at Sri Avinashilingam Deemed University, Coimbatore.
2. Participated in the State Youth and Red cross study camp from 27th to 30th August, 1998 held at Bharathiar University, Coimbatore.

X. TRAINING PROGRAMMES ORGANISED

a) Faculty Development Programmes Conducted

1. Co-ordinator, Staff Development Programme on “Design for Manufacture and Assembly (DFMA),” a two week training programme for the degree level faculty in Engineering, conducted from 24-04-2007 to 04-05-2007 at Amrita School of Engineering, Coimbatore. The programme was sponsored by **AICTE**, New Delhi.
2. Co-ordinator, Short Term Training Programme on “Recent Developments in Simulation Modelling and their applications to Modern Manufacturing Practice:-a two week training programme for the degree level faculty in Engineering,” conducted during 26-03-2007 to 31-03-2007, Amrita School of Engineering, Coimbatore. The programme was sponsored by ISTE and **AICTE**, New Delhi.
3. Co-ordinator, Short Term Training Programme on “Cleaner Manufacturing in Industries:- a two week training programme for the degree level faculty in engineering” conducted from 31-03-2003 to 05-04-2003, at Amrita Institute of Technology and Science, Coimbatore. The programme is sponsored by ISTE and **AICTE**, New Delhi.
4. Co-ordinator, Short Term Training Programme on “Recent Trends in Press Tool Design and Die Casting Techniques:- one week training programme for the degree level faculty in engineering” conducted during 31-03-2003 to 05-04-2003, at Amrita Institute of Technology and Science, Coimbatore. The programme is sponsored by ISTE and **AICTE**, New Delhi.

b) Technical Conferences Organised

5. Organising Secretary, a two day National Conference on Computer Integrated Design and Manufacturing held at Amrita Institute of Technology and Science, Coimbatore during 14-15 May 2001. **AICTE**, New Delhi, and **DST**, New Delhi sponsored the conference.
6. Organising Secretary, a three day National Conference on World Class Manufacturing held at Amrita Institute of Technology and Science, Coimbatore during 7-9 May 2003. Conference was sponsored by **AICTE**, New Delhi, and **DST**, New Delhi.
7. Organising Secretary, a two day National Level Symposium for Students “Techwaves 2000”, held at Amrita Institute of Technology and Science, Coimbatore during August 2000.

b) Conference on Technical Education

1. Organised a Two-day “Regional Conference on Autonomous Technical Institutions” at Hotel Jenny’s Club, Coimbatore. Experts from UGC, AICTE, ISTE and Vice Chancellors from six universities have presented their papers. Around 140 participants, mostly Principals and Chairmen from Engineering Colleges, have participated in the conference. This was held during 26 - 27 July, 2007.

XI. GUEST LECTURES DELIVERED

1. Delivered **valedictory address** in the National **Conference** on Soft and Intelligent Computing, Organised by the Department of Computer Science and Engineering, **TamilNadu College of Engineering**, Coimbatore on 25-01-2008.
2. Delivered a Guest Lecture on “Selective Assembly for Precision Manufacture” on 15-11-2007 at **PSG College of Technology** in the **AICTE** sponsored Staff Development Programme on Dimensional Management” organised by the Department of Mechanical Engineering during 12-11-2007 to 24-11-2007.
3. Delivered a Guest Lecture on “Scheduling Optimization” on 15-11-2007 at **PSG College of Technology** in the **AICTE sponsored Staff Development Programme** on “Models And Solution Tools for Enhancement of Organization Productivity” organised by the Department of Mechanical Engineering 11 - 11 - 2007 to 24 -11 - 2007.
4. Delivered an invited talk on “Globalisation and its impact on Technical Education” during the Silver Jubilee celebration of Nanjappa Polytechnic College on 18th January, 2007.
5. Delivered a lecture on “Technical Education and its Challenges” for the faculty members of Sree Narayanaguru Polytechnic College, Coimbatore on 25th January, 2007.

6. Guest Lecture on “Academic Developments” was delivered to the members of faculty of Engineering , KS Rangasamy College of Technology, Tiruchengode on 05-08-2007
7. Delivered keynote address at the National Conference on Soft Computing organized by the Department of Computer Science and Engineering of Hindustan College of Engineering and Technology during 17th November, 2006.
8. Presided over the inaugural function of the faculty development programme organised by the Ramakrishna Polytechnic College, Coimbatore and delivered presidential address on “Effective Teaching Methodologies” to the faculty members on 12th August, 2006.
9. Delivered a Guest Lecture on “Genetic Algorithm and its Applications” in the **AICTE-ISTE** sponsored **STTP** organized by **PSG College of Technology, Coimbatore** on 5th December, 2003.
10. Delivered expert lecture on Multi-objective Optimization using Genetic Algorithm in the Two-day workshop organized by **Kongu Engineering College**, Erode on 24th April 2003.
11. Delivered a Guest Lecture on Recent Trends in Engineering in the STAFF DEVELOPMENT PROGRAMME organized by Sree Narayana Guru Institute of Technology, Coimbatore on 9th January 2003.
12. Delivered Expert Lecture in the AICTE – ISTE Sponsored STTP on “ Multi-objective Optimization using Genetic Algorithms”, Organised by the Department of Electrical Engineering, Coimbatore Institute of Technology, Coimbatore during November 19 to December 2, 2001.
13. Delivered a Guest Lecture on the Role of Women in Technical Education, in the National Seminar organized by NPA Centenary Polytechnic College, Kotagiri, Tamilnadu.

XII. CONFERENCE TECHNICAL SESSIONS CHAIRED

1. Chaired a technical session in the National Conference on Soft Computing organized by the Department of Computer Science and Engineering of Hindustan College of Engineering and Technology during 17th November, 2006.
2. Co-chaired a technical session in the Second International Conference on “Logistics and Supply Chain Management” organized by PSG College of Technology, Coimbatore, INDIA, during 3-5 August, 2004.
3. Chaired a technical session on Manufacturing Systems on 3rd December, 2004 in the 2004 IEEE Conference on Cybernetics and Intelligent Systems (CIS 2004) held in Singapore during 1-3, December 2004.

XIII. AWARDS RECEIVED

Awarded a Certificate of Appreciation by the management of Amrita School of Engineering for rendering exemplary service with devotion and dedication in the development of the institution.

XIV. TRAINING UNDERGONE

1. Attended a three day National workshop on “EVOLUTIONARY ALGORITHMS FOR ENGINEERING OPTIMISATION“ Conducted by Indian Institute of Technology, Kanpur from 24th to 26th December 1999.
2. Attended a three week training programme on “MANUFACTURING ENGINEERING” held at Jadavpur University, Calcutta from 27th July 1999the QIP Course on Advanced Manufacturing Processes from 21st to 27 July 1999
3. Attended SDRC (Sponsored by DST, New Delhi) School on Advanced Manufacturing Technology at PSG College of Technology from 18th to 30th May 1998.
4. Attended a two-day Workshop on RECENT DEVELOPMENTS IN PRECISION METAL FORMING from 12th to 13th September 1997 held at PSG College of Technology.
5. Attended the QIP Course on Advanced Machining Processes from July 21, 1997 to July 26, 1997 organized by Department of Mechanical Engineering, IIT Kanpur.
6. Attended AICTE sponsored summer school on Design and Computer simulation of pneumatic/electro-pneumatic systems for mechanisation at PSG College of Technology from 11th to 24th May 1997.
7. Attended AICTE sponsored summer school INDUSTRY – INSTITUTE PARTNERSHIP from 16th to 22nd March 1997 at REC, Suratkal. Karnataka.
8. Undergone CAD/CAM training using ICEM DDN Software, at National Informatics Center, Government of India, New Delhi from 23rd September to 11th October 1996.
9. Attended one day National Workshop on DESIGN, SELECTION, TESTING AND MAINTENANCE OF PUMPS” on 27th July 1996 held at PSG College of Technology.
10. Participated in a three day workshop on INDUSTRY INSTITUTE PARTNERSHIP from 22nd to 24th December 1994.
11. Undergone Part-time Training Course on UNIX Professional from 21st September to 2nd November 1991 at PSG College of Technology.
12. Undergone Six week training in BASIC programming and passed the final examination conducted by Department of Employment and Training, Government of Tamilnadu, during December 1986.

XV. CONFERENCES/SEMINARS ATTENDED

1. Participated in the International Conference on “International Engineering Education,” a conference Organized by Indian National Academy of Engineering, Council of Academies of Engineering and Technological Sciences, and Indian Institute of Technology Madras during 01-03-2006 to 02-03-2006.
2. Participated in the one day seminar on “Strategies for World Class Manufacturing” Organised by the Department of Mechanical Engineering, Government College of Technology, Coimbatore during 28-29 April, 2006.
3. Participated in the National Seminar on “IT Enabled Design and Manufacturing-Management Strategies, 3-4 May, 2002, organised by ANNA University.
4. Participated in the Second National Conference on “Precision Engineering” organized by PSG College of Technology, Coimbatore, during 11-12 January, 2002.
5. Participated in the First International Conference on “Logistics and Supply Chain Management” organized by PSG College of Technology, Coimbatore, INDIA, during 6-8 August, 2001.
6. Participated in the National Workshop on Arc Welding of Stainless Steels organized by the Department of Mechanical Engineering, Coimbatore Institute of Technology, Coimbatore on September 15, 2000.
7. Participated in the National Conference on Manufacturing System Design and Business Process Re-Engineering from 20th to 21st February 1998 held at ANNA UNIVERSITY, Chennai.

XVI OTHER ACADEMIC ACTIVITIES

1. Question paper setter/Member, Board of Studies for the following Universities/Colleges:
 - a. Jawaharlal Nehru Institute of Technological University, Hyderabad.
 - b. Birla Institute of Technology, Mesra, Ranchi
 - c. Government College of Technology, ANNA University, Coimbatore.
 - d. Coimbatore Institute of Technology, (an autonomous Institution under ANNA University, Chennai) Coimbatore.
 - e. UGC sponsored UPSC Examinations for Engineering Services.
 - f. Bannari Amman Institute of Technology, Autonomous College, Affiliated to Anna University, Coimbatore, TN.
2. Member, Board of Studies, Mechanical Engineering, ANNA University Coimbatore, Coimbatore.
3. Member, Board of Studies, PG Programme in Manufacturing Engineering, Amrita University, Coimbatore.

4. Member, Board of Studies, Mechanical Engineering, Adhiyaman College of Engineering (Autonomous College, Affiliated to ANNA University Coimbatore), Hosur.

XVII HONORARY SERVICE

1. Elected and served as a Member of the National Executive Council of The Indian Society for Technical Education (ISTE), New Delhi for three years from 2002 to 2005. The Indian Society for Technical Education is a national, professional, non-profit making Society. The major objective of the ISTE is to assist and contribute in the production and development of top quality professional engineers and technicians needed by the industries and other organizations. The Ministry of Human Resource Development, AICTE/DST/MIT/State Governments are well associated with the ISTE for programmes relating to technical education. Faculty Members of various Engineering colleges and Polytechnic Colleges in the TamilNadu State and the Pondicherry Union Territory have voted and elected me for this honourable post.
2. Re-elected for the second term to National Executive Council of The Indian Society for Technical Education (ISTE), New Delhi for another three years, i.e. 2006-2009.
3. The Institution of Engineers (India) is the largest engineering professional society in India, established with a view to promote and advance the science, practice and business of engineering in all its branches. Members of the Coimbatore Centre (Coimbatore, Nilgiris and Erode Districts) of the Institution of Engineers (INDIA) have elected me to represent Mechanical Engineering Division of IE(I) for two years (2003-2004).
4. Re-elected for the second term to the Institution of Engineers (India) for the second term, i.e. 2005-2006.
5. Member of the staff selection Committee in the following Institutions
 - (i) Amrita School of Engineering, Coimbatore
 - (ii) Bannari Institute of Technology, Sathyamangalam
6. International Program Committee Member, IEEE Congress on Evolutionary Computation, 25-28 September, 2007, Swissôtel The Stamford, Singapore, (<http://www.cec2007.org>).
7. Member, Academic Council (Nominee of Indian Society for Technical Education, New Delhi), PSG Polytechnic College, Coimbatore, for the period June 2007 to May 2009.

XVIII COUNTRIES VISITED

1. Visited Singapore to participate and present my research paper in the IEEE International Conference on Cybernetics and Intelligent Systems held in Singapore during 3-5 Dec 2004. Also, I chaired a technical session with Dr. Tain, China who was co-chair for the session on manufacturing systems.

2. Visited the Monash university-Malaysia Campus and had discussion with Dr. S.G. Ponnambalam, Associate Professor, Monash University, Malaysia.
3. Visited Bangladesh to attend an International Conference on Mechanical Engineering, organized by Bangladesh University of Engineering & Technology (BUET), Dhaka to present one of my research paper.

XIX. JOURNAL REVIEWED

Journal article reviewer for the following journals

1. International Journal on Advanced Manufacturing Technology
2. IEEE Transaction on Evolutionary Computation

XX. SELECTED CONFERENCE REVIEWER

1. International Conference on Logistics and Supply Chain Management, Organized by the PSG College of Technology, Coimbatore during August 2005
2. The Ninth International Conference on Control, Automation, Robotics and Vision, ICARCV 2006, sponsored by IEEE held in Singapore in December 2006. The conference was organized by NTU Singapore and sponsored by IEEE Control System Society, IEEE Robotics and Automation Society, IEEE Systems, Man and Cybernetics Society, and Singapore Institute of Manufacturing Technology.

Date: 04-02-2008