

FACULTY PROFILE

Name : Dr.B.CHOKKALINGAM
Designation : Associate Professor
Email ID : chokkalingam.me@srit.org



Area of Specialization : Production Engineering,
Quality Engineering, Materials Engineering,
Metal casting, Design of Experiments and Optimization

Total Experience : Academic : 17 years 8 months
Industry : 12 years 10 months

Educational Qualification:

| Degree | Branch / Specialization | College | University |
|--------|-------------------------|--|--------------------------|
| BE | Mechanical Engineering | Government College of Technology, Coimbatore | Bharathiar University |
| ME | Production Engineering | PSG College of Technology | Anna University, Chennai |
| PhD | Mechanical Engineering | PSG College of Technology | Anna University, Chennai |

Experience Details:

| S.No | Institution/Industry | Design. | Experience | | Total Years & Months |
|------|--------------------------|--------------------|------------|------------|-----------------------|
| | | | From | To | |
| 1 | PSG Industrial Institute | Trainee | 02.09.1985 | 31.08.1987 | 2 years |
| 2 | PSG Industrial Institute | Assistant Engineer | 01.09.1987 | 30.06.1998 | 10 years 10 months |
| 3 | PSG Polytechnic College | Lecturer | 06.07.1998 | 31.05.2009 | 10 years 10 months |

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| 4 | PSG Polytechnic College | Senior Lecturer | 01.06.2009 | 31.10.2011 | 2 years 6 months |
| 5 | PSG Polytechnic College | Head of Department | 01.11.2011 | 19.04.2013 | 1 year 6 months |
| 6 | Sri Ramakrishna Institute of Technology | Associate Professor | 20.04.2013 | Till date | 2 years 10 months |
| Total (as on Feb 2016) | | | | | Years 30 Months 06 |

Publications :

Journals : Papers Published in National Journals

1. Chokkalingam.B, Murugeasn.V.M and Lakshmanan. L.M (2006), "Controlling of Process Variations Using SPC Technique – A Case Study", Technology Trends, Vol.7 No.12, pp.18-20.
2. Chokkalingam.B, Ravichandran.B, Sanjith.V and Sathyanarayanan.M (2006), "Controlling of Casting Defect Through Defect-Solving Technique", Indian Foundry Journal, Vol.52 No.10, pp. 34-38.
3. Chokkalingam.B and Sadagopan.P (2006), "Systematic Analysis of a Casting Defect", Foundry, Vol.XVIII No.4, pp.73-76
4. Chokkalingam.B, Lakshmanan and .L.M,Sidarthan.I.V (2006), "Elimination of Defects and Increasing the Yield of a Ductile Iron Casting by Redesigning the Feeding System", Indian Foundry Journal, Vol.52 No.6, pp.25-29.
5. Chokkalingam.B, and Sadagopan.P (2006), "Step By Step Approach to Eliminate a Blow Hole Defect in sand Casting", Technology Trends, Vol.7 No.6, pp.36-38.
6. Chokkalingam.B and Sadagopan.P (2006), "An Analysis of Energy Loss Through Excessive Scrap in Foundries", Technology Trends, Vol.7, No.3, pp.41-42.
7. Chokkalingam.B, and Sadagopan.P (2005), "Defect Reduction in Sand Castings – A Practical Approach", Foundry, Vol.XVIII No.5, pp.77-81.
8. Chokkalingam.B, Premkumar and S.P, Sathishkumar.S (2005), "Defect Analysis in Brake Drum Castings", Foundry, Vol XVII No.4, pp.75-79.
9. Arasu.M and Chokkalingam.B (2004), "Energy Saving Techniques in Induction Melting Operations in Iron Foundries", Foundry Journal, Vol.XVI No.1, pp.53-55.
10. Chokkalingam.B, Subamanian.R and Krishnaraj.D (2000), "Design and Fabrication of a Ball Mill for Mechanical Alloying", Technology, pp.188-190.

11. Chokkalingam.B and Sadagopan.P (2006), "An Analysis of Energy Loss Through Excessive Scrap in Foundries", Technology Trends, Vol.10, No.6, pp.42-44.(Reprint)
12. Chokkalingam.B and Mohamad Nazirudeen. S.S,(2009) Analysis of Sand Casting Defects- Sand Inclusion, Indian Foundry Journal, Vol.55 No.7, pp.30-32.
13. Chokkalingam.B and Mohamad Nazirudeen, (2009),Analysis of Sand Casting Defects- Slag Inclusion, Indian Foundry Journal, Vol.55 No.11,pp 41-43.
14. Chokkalingam.B and Mohamad Nazirudeen, (2009), Analysis of Sand Casting Defects- Sand Drop, Indian Foundry Journal, Vol.55 No.12,pp 57-59.

Papers Published in International Journals

1. Chokkalingam.B and Mohamad Nazirudeen S.S, "Investigations on Micro Alloyed Cast Steels, "Materials and Technology Journal" Vol 43,May-June 2009,pp171-174.
2. Chokkalingam.B and Mohamad Nazirudeen S.S,Analysis of casting defect Through Defect Diagnostic Study Approach, Journal of Engineering annals of Faculty of Engineering Hunedoara, Vol VII, Issue 2,2009,pp 209-212.
3. Chokkalingam.B and Mohamad Nazirudeen S.S,Effects of Microalloying on Hardness and Toughness in Cast Steels, Journal of Engineering annals of Faculty of Engineering Hunedoara, Vol VIII, Issue 3,2010,pp 422-425.
4. Chokkalingam.B, Mohamad Nazirudeen S.S and Ramakrishnan.S.S, "Investigations into the Mechanical properties of Micro Alloyed As Cast Steels, "Materials and Technology Journal" Vol 45,Mar-April 2011,pp159-162.

International Conferences:

1. Chokkalingam.B, Lakshmanan. L.M.and I.V.Sidarthan, "Minimizing Shrinkage Defect Through Efficient Design of Feeding System for a Ductile Iron Casting", International Conference on Recent Advances in Materials and Processing Ramp – 2006, Organized by Department of Metallurgical Engineering, PSG College of Technology, Coimbatore, December 15 ,16, 2006

National Conferences:

1. Chokkalingam.B and Krishnaraj.D "Foundry Sand - An Over View", Proceedings of 48th Indian Foundry Congress organized by Indian Institute of Foundrymen, Coimbatore, February 2000.
2. Chokkalingam.B and Krishnaraj.D "Surface Finish of Castings – A Methodology", Proceedings of 49th Indian Foundry Congress organized by Indian Institute of Foundrymen, New Delhi, , February 2001
3. Chokkalingam.B,Divakaran.S, Gowthem kuma.K.S,Vijayakumar.S, "Controlling of Scab defect Using quality control Tools" , National conference Intelligent Automation in Manufacturing and automotive Technologies(IMAT'15), Organised by Department of Mechanical Engineering, Sri Ramakrishna Institute of Technology, Proceedings P 145-148.

4. Chokkalingam.B and Girishraj.A ,“Review on Factors Affecting Vehicle’s Fuel Economy and Fuel Efficiency” , National conference Intelligent Automation in Manufacturing and automotive Technologies(IMAT’15), Organised by Department of Mechanical Engineering, Sri Ramakrishna Institute of Technology, Proceedings P 149-153.

Books Published:

Seminar, Conference, Workshop Organized:

| S.No. | Title | Duration | Level (Intern./ National) |
|-------|---|----------|---------------------------|
| 1 | Project Exhibition for Polytechnic College Students | 2 days | Regional |

Seminar, Conference, Workshop Attended:

| Nature of activity | Organised by | Duration | |
|---|---|--------------------------|------------|
| | | From | To |
| ISTE Annual Convention | Kongu Engineering College | 01.08.1998 | - |
| Internal Quality Audit Training | Z TQM Solutions Pvt Ltd, Bangalore | 1.11.2000 | 2.11.2000 |
| Faculty Development Programme | Educational Technology centre, PSG Polytechnic College | 15.02.2001 | 17.02.2001 |
| ISTE – STTP on Mechatronics | Department of Mechatronics Engineering, PSG Polytechnic College | 28.05.2001 | 09.06.2001 |
| System Administration & Open GL Library | Silicon Graphics System (India) Ltd | 16.10.2002 | 26.10.2002 |
| On Campus Intranet & Internet Facilities | Nodal Centre, PSG Polytechnic College | 6 th Nov,2002 | - |
| Programmable Logic Controllers | Department of Mechatronics Engineering, PSG Polytechnic College | 11.11.2002 | 22.11.2002 |
| National Conference on Processing of Metals | Department of Metallurgical Engineering., PSGCT | 31.01.2002 | 01.02.2002 |
| Advanced machining | Department of Mechanical | 08.06.2003 | 21.06.2003 |

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|---|---|------------|------------|
| Technology | Engineering, PSGPTC | | |
| Workshop on Faculty Development | Educational Technology Centre, PSG CT | 15.02.2003 | 16.02.2003 |
| Internal Quality Auditor Upgradation(ISO 9001-2001) | Z TQM Solutions Pvt Ltd, Bangalore | 30.08.2003 | - |
| Leadership at the Peak | Educational Technology Centre, PSG CT | 19.02.2004 | 20.02.2004 |
| Transactional Analysis | Staff Development Cell, PSGPTC | 16.10.2006 | 17.10.2006 |
| Recent Advances in Materials Processing | Department of Metallurgical Engineering., PSGCT | 15.12.2006 | 16.12.2006 |
| Dimensional Management | Department of Mechanical Engineering, PSGCT | 12.11.2007 | 24.11.2007 |
| Mat Lab and its Utilization | Staff Development Cell, PSGPTC | 01.12.2007 | - |
| Orientation Programme for Research Scholars | Anna University, Coimbatore | 07.06.2008 | 08.06.2008 |
| Conference on Global Challenges in Engineering Education and Research | Anna University, Coimbatore | 04.12.2008 | 05.12.2008 |
| Maya and Combustion | CIICP,SDC PSG Polytechnic College | 06.02.2009 | 07.02.2009 |
| IPR Awareness Programme | Anna University, Coimbatore | 04.04.2009 | |
| Faculty Development Programme | CIICP,PSG Polytechnic College | 25.07.2009 | |

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| Orientation Programme for Research Scholars | Anna University, Coimbatore | 29.08.2009 | 30.08.2009 |
| ISO 9001 Awareness Programme | Zandig TQM Pvt Ltd | 27.11.2009 | |
| Research ,Methods | Department of Biomedical engineering, PSG college of Technology | 01.03.2010 | 02.03.2010 |
| International conference on synthesis, characterization, consolidation and modeling of Nano Materials (ICON2010) | Department of Metallurgical Engineering. PSG College of Technology | 05.03.2010 | 06.03.2010 |
| SOURECON 2011 | IIF, Southern Region, Hotel Residency | One Day | |
| Entrepneurship | Dept of Mechanical Engineering, Sri Ramakrishna Institute of Technology | 18.10.2013 | |
| ISTE workshop on Engineering Mechanics | IIT Bombay | 26.11.2013 | 06.12.2013 |
| ISTE workshop on Fluid Mechanics | IIT Kharagpur | 20.05.2014 | 30.05.2014 |
| Workshop on Modern Trends in Optimization Techniques | Dept of Mechanical Engineering, Sri Ramakrishna Institute of Technology | 05.09.2014 | |
| ISTE workshop on Control systems | IIT Kharagpur | 02.12.2104 | 12.12.2014 |
| Innovative idea for Innovative Product | CII, Coimbatore Zone | 23.09.2015 | |

Guest Lectures Delivered:

| Topic | Institution | Date(s) |
|------------------------------------|--|------------|
| Fundamentals of Casting Technology | Coimbatore Institute of Engineering and Technology | 14.09.2015 |

Membership in Professional Bodies:

1. Institution of Engineers (India) Life Member M1394945/5.
2. Member of the International Association of Engineers (IAENG) 160525.

Contributions to the Institution, Department and Society:

1. Coordinator Quality Assurance Cell
2. Convenor for Project exhibition for Polytechnic College students" SRIT Explore 2016"
3. Worked for NAAC
4. Worked for NBA
5. Department meeting- minutes
6. Arranging and accompanying students for industrial visits
7. Delivering a lecture on DOE in Modern Trends in Optimization Techniques conducted by the department.
8. Guest lectures to the students on Special Topics like DOE, RPT

Awards and Recognitions:

1. The technical paper Titled "**ELIMINATION OF DEFECTS AND INCREASING THE YIELD OF A DUCTILE IRON CASTING BY REDESIGNING THE FEEDING SYSTEM**" (published in June, 2006, Vol. 52 No. 6 issue of Indian Foundry Journal, p. 25-29) was selected as the **BEST TECHNICAL PAPER** for 2007.