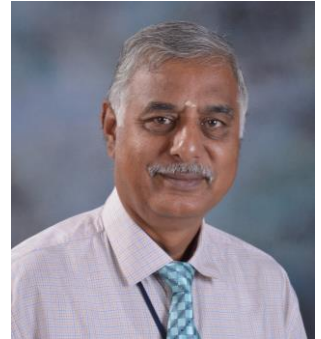


FACULTY PROFILE

Name : Dr R Mohankumar
Designation : Professor & Head
Email ID : mohankumar.me@srit.org



Area of Specialization : Gear Engineering, Composite Materials

Total Experience : Academic : 39 Years
Industry : -

Educational Qualification:

Degree	Branch / Specialization	College	University
PhD	Mechanical Engineering	PSG College of Technology	Bharathiyar University
M.E.	Production Engineering	PSG College of Technology	Bharathiyar University
B.E.	Mechanical Engineering	PSG College of Technology	Madras University

Experience Details:

S.No	Institution/Industry	Design.	Experience		Total Years & Months
			From	To	
1	PSG Polytechnic College	HOD(UG)	24-06-1976	23-02-2009	33 Years
2	Sri Ramakrishna Institute of Technology	Prof & Head	24-02-2009	Till Date	07 Years
Total (as on 24 Feb 2016)					40 Years 0 Months

Patents (Specify the details):Applied

1. Safety Twin Clamper Mechanism

Ref.No:E-2/1623/2014-CHE

CBR No: 3339

Application No:1067/CHE/2014

Dated: 03-03-2014

2. Turning Fixture for Centre Plate –

Ref.No:E-101/75019/2015-CHE

CBR No:26671

Application No:7116/CHE/2015

Dated:31-12-2015

Publications :

Journals :

1. S.BenjaminFranklin,Dr.K.Ramesh,Dr.R.Mohankumar Experimental Investigation on the Heat Transfer in fluid flow through Porous media in Pebble Bed Heat Exchanger, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.50 (2015)
2. K.Sripriyan, Dr.R.Mohankumar, M.Prabakaran, R.Kesavaraj, Amal M Vargeese and K.GunaSekaran “Design and fabrication of fork type semi automated weeding machine” Journal of Emerging Technology in Mechanical Science and Engineering, pp-78-84
3. S.Vijayarangan and R.Mohankumar, “Computer aided Generation, Modelling and analysis of cycloidal gears”, Technology – Journal of PSG College of Technology and Polytechnic, March 1996.
4. Arumugam,Thangarasu, NadarajanMurugan, and Ramaswamy Mohankumar, “ Processing and characterization of AA6082/TiC composites by stir casting” Emerging Materials Research DOI: 10.1680/emr.13.00043.

International Conferences:

1. S Benjamin Franklin, Dr K Ramesh, Dr R Mohankumar “Energy Storage Studies in Pebble Bed Heat Exchanger”, international conference on Environment and Energy-2014, Jawaharlal Nehru Technological University, Hyderabad, Dec 2014.

2. R.Mohankumar and S.Vijayarangan, "Stress analysis of cycloidal gear teeth using Finite element analysis", Proceedings of International conference on advances in mechanical and industrial engineering , Feb 1997.
3. R. Mohankumar and S. Vijayarangan, "Dynamic analysis of involute and cycloidal gears made of isotropic and orthotropic materials under moving load condition" Proc. of International conference on Digital modeling and simulation, Jan 2003.
4. Sripiriyam K, Mohankumar R, Narendran K, Venkat M V P, Selvaraj T. "An Experimental Investigation and Performance Analysis of Twin Clamper Mechanism for Safety Pipe", Multi-stream international conference on December 2014 to be held at Coimbatore Institute of Technology, Coimbatore, India.

National Conferences:

1. **R.Mohankumar** and S.Vijayarangan, "Static analysis of Cycloidal gear tooth", ANSYS users conference, 1996.
2. R.Mohankumar and S.Vijayarangan, "Comparitive Static analysis of involute and cycloidal gears", Proceedings of National conference on Intelligent Manufacturing systems – A Technology Watch, Feb 1998.
3. R.Mohankumar and S.Vijayarangan, "Static analysis of cycloidal gear using 3D finite element method ", Proceedings of the 18th All India Manufacturing Technology Design and Research Conference , Dec. 1998
4. R.Mohankumar, A.Arockiarajan, S.Vijayarangan "Comparitive free vibration analysis of involute and cycloidal gears on isotropic and orthotropic materials" Proceedings of National conference on Computer Integrated Design and Manufacturing, May 2001.
5. R. Mohankumar "Optimization of involute and cycloidal gears made of steel and FRP material through genetic algorithm." National Conference on Advances in Engineering Design, April 2005
6. Dr R Mohankumar "Optimal Design of involute and Cycloidal gears made of steel and FRP material through Genetic algorithm" Intelligent automation in manufacturing and automotive Technologies,30 April 2011.
7. R Mohankumar, SS Harish, M Karthikeyan, MVP Venkat, D Venkatesh, "Design and Analysis of Complex Product for Rapid Prototyping using CAD" Third National Conference on Intelligent automation in manufacturing and automotive Technologies,27 March 2015.
8. B Santhosh, M Kuralarasan, A Ramamoorthy, M Ramkumar, R Mohankumar "Numerical Analysis of Heat Dissipation and Residual stress on Maraging steel and AISI 4340 by TIG Welding " Third National Conference on Intelligent automation in manufacturing and automotive Technologies,27 March 2015.

Seminar, Conference, Workshop Organized:

S.No.	Title	Duration	Level (Intern. / National)
1	Workshop on Industrial Automation	One Day(14-10-2010)	National Level
5	Faculty Development Program on Design of Transmission System	One Week(20-12-2010 to 28-12-2010)	State Level
6	First National Conference on Intelligent Automation in Manufacturing and Automation Technology	Two Days (29-04-2011 to 30-04-2011)	National Level
2	Workshop on Nonconventional energy sources	One Day(01-03-2012)	National Level
3	Workshop on Entrepreneurship	One Day(18-10-2013)	National Level
7	Second National Conference on Intelligent Automation in Manufacturing and Automation Technology	One Day(27-03-2013)	National Level
9	Resent trends in automobile engineering	One Day (03-09-2013)	National Level
10	Opportunities for mechanical engineers in India and abroad	One Day (06-09-2013)	National Level
11	Industry expected skills form engineers	One Day (21-07-2014)	National Level
4	Workshop on Modern Trends in Optimization Techniques	One Day(05-09-2014)	National Level
12	Opportunities for mechanical engineers in Defence services	One Day(16-07-2015)	National Level
13	Placements in automobile industries	One Day (12-09-2015)	National Level

Seminar, Conference, Workshop Attended:

- 1.Two week ISTE workshop on Engineering Thermodynamics, 11-21 Dec 2012.
- 2.National Foundry Conclave ,1-2, March 2013.
- 3 Work shop on Training of Resource persons on Outcome based Accreditation process,

23,24-08-2013

4. Two week ISTE workshop on Fluid Mechanics, 20-30 May 2014.

Membership in Professional Bodies:

1. Life Member in Indian Society of Technical Education.(MISTE)
2. Fellow of Institution of Engineers.(FIE)
3. Certified Chartered Engineer (C Eng.,)
4. Co-opted Member of SiTARC for the year 2010-11 & 2012-13

Contributions to the Institution, Department and Society:

1. Initiated to conduct Number of Workshops , Seminars and Conferences.
2. As a Programme Coordinator of Mechanical Engineering Department Worked as a team to get NBA Accreditation.
3. Took active part in Facing NAAC Team in which the Institution received A Grade (3.39/4) status.
4. Doctoral Committee member for Two PhD Candidates.
5. Member of Board of studies, Faculty of Mechanical Engineering, Anna University, Chennai from 2016-2019.
6. Member of Confederation of Indian Industry - Manufacturing panel for the year 2015-16.

Awards and Recognitions:

1. Received Teaching Awards in Engineering from Staffordshire University, UK.

