

FACULTY PROFILE



Name of the Staff : **S.R.Sundara Bharathi**
Official Address with E-mail Id : Assistant Professor
Department of Mechanical Engineering
Email: sundara_bharathi@yahoo.co.uk
Mobile Number : 9688014614

1. Personal Details

Age : 35
Date of Birth : 10.07.1981
Sex & Marital Status : Male & Married
Citizenship : Indian
Qualification :

Degree	Programme and Specialisation	Class /CGPA	Month & Year of Passing	Institute/University
UG	B.E (Mechanical)	I class - 69.9%	May & 2002	K.S. Rangamy College of Technology, Tiruchengode
Diploma	Diploma in Welding Engineering	I class – 70.05%	May & 2005	Annamalai University, Annamalainagar
PG	M.E (Production)	I class with Distinction 8.59	May & 2014	National Engineering College, Kovilpatti
Ph.D.	---	---	---	---

Date of joining : 15.05.2014
Present status : Assistant Professor
Professional Experience :

Designation	Institution/ Organisation	Period	Nature of Duties
Asst. Professor	National Engineering College, Kovilpatti	From 15.05.2014 To till date	Academic
Lecturer	M.S.P.Velayutha Nadar Lakshmithaiammal Polytechnic College, Pavoorchatram, Tirunelveli District	From 03.11.2010 To 12.04.2012	Academic
Design Engineer	The Sultan Center, Telecom Division, Kuwait	From 08.06. 2006 To 30.06 2010	Designing and Implementation of Optical Fiber Cable Works
Production Engineer	Koushic Pressure Vessels Private Limited, Vellore.	From 01.06. 2002 To 31.03. 2006	Monitoring and controlling the variation in process.

Courses taught:

Course Title	U.G. or P.G.
13ME 45 - Engineering Materials and Metallurgy BME016 - Maintenance Engineering 13MEBE - Quality Control of Welded Structures BME 031 - Non Destructive testing for Welded Structures BME026 - Quality Assurance for Welded Structures 13ME32 - Environmental Science and Engineering	U.G
PEE2B - Advances in Casting and Welding Processes PEE3F - Lean Manufacturing System and Implementation	P.G

2. Honors / Awards :

3. Academic Achievements

**3.1 Short term Courses / Seminars / Conference/ Workshops organised:
As Convener / Co-ordinator**

3.2 Short term Courses / Seminars / Conference/ Workshops Attended :

Sl.No	Title	Period	Venue
1	Recent Advances in Welding of Dissimilar Materials	19 th & 20 th April 2013	Department of Mechanical Engineering, National Engineering College, Kovilpatti
2	High Temperature Properties of Metals	1 st February' 2014	Annamalai University, Chidambaram
3	New Frontiers and Advancements of Tribology	25 th February 2014	Department of Mechanical Engineering, National Engineering College, Kovilpatti
4	Friction Stir Welding of Steels	5 th March' 2014	Annamalai University, Chidambaram
5	Lean Manufacturing	13 th September' 2014	PSG College of Engineering and Technology, Coimbatore
6	Advances in Industrial Tribology	11 th & 12 th February 2015	Department of Mechanical Engineering, National Engineering College, Kovilpatti
7	Principles and Practices of Non Destructive Testing	25.05.2016 to 31.05.2016	PSG College of Engineering and Technology, Coimbatore

3.3 Expert Lecture Delivered :

3.4 Area of expertise : Welding

3.5 Membership in Professional bodies :

Name of Society	Grade of Membership
ISTE	LM 75408
IE (Associate Member)	AM159004-1

3.6 Research Achievements :

3.6.1 Details of Project guided

Sl.No.	Title of the project work	UG/PG
1.	Optimization and Tensile Properties of Friction Stir Welded Dissimilar Joints of Aluminium Alloys	PG
2.	Tensile Properties of SMAW, GTAW and GTAW-SMAW Welded on Similar Joints of Mild Steel	PG
3	Influence of Heat Treatment on Mechanical Properties of TIG Welded Dissimilar Joints of Aluminium Alloys	UG
4	Analysis on Crack Propagation Rate on Mild Steel Plate at Various Temperatures using Liquid Penetrant Test	UG

3.6.2 Publications

Journal publications :

International Journal Publications:

Sl. No	Title	Name of the Journal	Publication Details
1.	A Review Study on A-TIG Welding of 316(L) Austenitic Stainless Steel	International Journal of Emerging Trends in Science and Technology	Vol.2, 2015, pp.2066-2072
2.	Tensile Properties and Microstructural Characteristics of Friction Welded Similar Joints of Aluminium Alloys	International Journal of Current Engineering and Technology	Vol.5, No.2, 2015, pp.1211-1216
3.	Mechanical Properties and Micro-Macro structural Characteristics of Friction Welded Similar Joints of Aluminium Alloys	International Journal of Applied Engineering Research	Vol.10, 2015, pp.14485-14489
4	Factors Influencing Submerged Arc Welding on Stainless Steel – A Review	ARPJN Journal of Engineering and Applied Sciences	Vol.11, 2016, pp.1237-1241

National Journal Publications: ---**International Conference Publications:**

S.No	Title of the Paper	Name of the Conference	Organizer	Month & Year
1	Optimization and Tensile Properties of Friction Stir Welded Dissimilar Joints of Aluminium Alloys	6 th International Conference on Advancements in Polymeric Materials,	Advanced Research School for Technology and Product Simulation (R&D wing of CIPET)	February & 2015
2	Evaluation of Mechanical Properties and Micro Structural Characteristics of Friction Welded AA 2024 and AA 6061 Aluminium Alloys,	DST – CNPq Sponsored INDO-BRASIL Bilateral International Conference on Advanced Materials and Manufacturing(ICA MM'2015),	CAPE Institute of Technology, Levingipuram	March & 2015
3	Study on Post Weld Heat Treatment on Mechanical Properties and Micro Structural Characteristics of Gas Tungsten Arc Welded AA 6063 and AA 7075 Aluminium Alloys	First International Conference on Productivity, Efficiency and Competitiveness in Design and Manufacturing	Department of Mechanical Engineering, PSG College of Technology – Coimbatore	January & 2016

National Conference Publications

S. No	Title of the Paper	Name of the Conference	Organizer	Month & Year
1	Effect of D / d Ratio on Microstructure and Mechanical Properties of Friction Stir Welded AZ61A Magnesium Alloy Joints	TEQIP Sponsored National Seminar Recent Trends in Welding Technology and Non-Destructive Testing	IWS – Coimbatore Centre and Coimbatore Institute of Technology	September, 2013
2	Tensile Properties And Microstructural Characteristics of Friction Welded Dissimilar Joints of Aluminium Alloys	Recent Advance Welding And Surface Engineering at Annamalai University	Department of Manufacturing Engineering, Annamalai University and IWS, Annamalai Nagar	March 2014
3	Tensile Properties of SMAW, GTAW and GTAW-SMAW Welded on Similar Joints of Mild Steel	National Conference on Emerging Trends in Engineering Design	Government College of Engineering, Tirunelveli	March, 2015

3.6.3 Sponsored Projects Sanctioned:

3.6.4 Sponsored Projects Recommended by Experts:

3.5.3 Research Guidance :

Scholars Completed :
Scholars pursuing :
Scholars' submitted thesis if any :

3.5.4 Conference attended – Session Chair :

3.6 Countries visited :

3.7 International Research Collaborations :

3.8 Laboratories/research facilities established : Established Non Destructive Testing
Laboratory in the Academic Year
2015 - 2016

3.9 Additional Responsibilities held :

1. Tutor for 24 third year students
2. Active member of Society for Manufacturing Engineering
3. Active member of Micro Small Medium Scale Enterprises
4. Non Destructive Testing Lab In-charge