

FACULTY BIO - DATA



Name of the Faculty Member : Dr. K. LENIN
Present Designation : Professor
Contact No. : 9043864510, leninnaga@yahoo.com

I. Particulars of Educational Qualification :

- 1) Studied B.E. in Jayaram College of Engineering and Technology, Bharathidasan University, 2004
- 2) Studied M.E in Manufacturing Engineering, Jayaram College of Engineering and Technology, Trichy Anna University, 2009
- 3) Ph.D in Welding, National Institute of Technology, Truchirappalli, 2014.

II. Title of Ph.D. Thesis

:
Internal Defects analysis of Friction Stir Welded Thermoplastic Materials

III. Academic Experience :

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
JAYARAM COLLEGE OF ENGINEERING AND TECHNOLOGY	LECTURER	12.08.2004	30/06/2009	4	10	12
JAYARAM COLLEGE OF ENGINEERING AND TECHNOLOGY	ASSISTANT PROFESSOR	01.07.2009	31/08/2013	4	1	1
JAYARAM COLLEGE OF ENGINEERING AND TECHNOLOGY	ASSOCIATE PROFESSOR	01.09.2013	01.06.2017	3	10	0
DHAANISH AHMED COLLEGE OF ENGINEERING	ASSOCIATE PROFESSOR	02.06.2017	03.03.2018	0	10	1
K.RAMAKRISHNAN COLLEGE OF ENGINEERING	PROFESSOR	08.03.2018	TILL DATE	0	4	12
				13	11	26

IV. List of Publications :

D) INTERNATIONAL JOURNALS: 17

1. K Panneerselvam, K Lenin (2014), "Joining of Nylon 6 plate by friction stir welding process using threaded pin profile" *Materials & Design*, 53, 302-307.
2. K Panneerselvam, K Lenin (2013), "Effects and defects of the polypropylene plate for different parameters in friction stir welding process" *Taper* 40, 1500.
3. K Panneerselvam, K Lenin (2012), "Investigation on effect of tool forces and joint defects during FSW of polypropylene plate" *Procedia engineering* 38, 3927-3940.
4. C Prabakaran, P Venkatachalam, K Lenin (2014), "Parametric Optimization of Gas Tungsten Arc Welding Processes by Using Factorial Design Approach" NISCAIR-CSIR, India.
5. K Panneerselvam, K Lenin (2015), "Parameters optimization in FSW of polypropylene based on RSM" *Multidiscipline Modeling in Materials and Structures* 11 (1), 32-42
6. V Senthilkumar, K Lenin (2011), "Synthesis and characterization of ultrafine grained 304 stainless steel through machining" *Journal of Minerals and Materials Characterization and Engineering* 10 (05), 455
7. K Lenin, HA Shabeer, K Panneerselvam (2014), "Process parameters optimization for friction stir welding of Polypropylene material using Taguchi's approach" NISCAIR-CSIR, India
8. K Panneerselvam, K Lenin (2013), "Study on hardness and micro structural characterization of the friction stir welded Nylon 6 plate" *International Journal Mechanical Engineering* 2, 51-62
9. R Sasikumar, K Lenin (2017), "Assessing the influence of hand-arm posture on mechanical responses of the human hand during drilling operation" *The International Journal of Advanced Manufacturing Technology* 93 (1-4), 375-384
10. PSK D. Vinoth Kumar, M. Fakkir Mohamed, K. Lenin (2018), "Performance Investigation Of Process Parameters In EDM For Inconel 600 Using Taguchi-Grey Relational Analysis" *International Journal of Applied Engineering Research* 11 (3), 656-661

11. K. Lenin R. Sasikumar (2017), "Measurement Of Vibration In Human Hand Fingers By Coated Leather Material Over The Handle Of Impact Drill During Hand Drilling Operation" *Advances In Natural And Applied Sciences* 11 (7), 687-695.
12. K Lenin R. Sasikumar (2017), "Ergonomic Effect Of Coating Material Over The Handle Of A Portable Drill On Human Hand During Drilling Operation" *Advances In Natural And Applied Sciences* 11 (7), 681-686.
13. K Lenin V. Senthil Kannan (2017), "Selection of optimum parameters and electrode for machining of AL2017 alloy by machining in electrical discharge machining" *Advances in Natural and Applied Sciences* 11 (7), 738-743.
14. S Dharmalingam K. Lenin (2017), "Effect of Friction Stir Welding on microstructural and mechanical properties of copper alloy" *Advances in Natural and Applied Sciences* 11 (4), 484-493.
15. T Ganapathy, K Lenin, K Pannerselvam (2017), "Process Parameters Optimization of Friction Stir Welding in Aluminium Alloy 6063-T6 by Taguchi Method" *Applied Mechanics & Materials* 867.
16. S Sutha, P Lakshmi, S Sankaranarayanan, K Lenin (2017), "Robust improvement using ITSMC for a multivariable process" *Advances in Natural and Applied Sciences* 10 (7 SE), 56-69
17. R Sasikumar, K Lenin (2017), "Ergonomics in poor hand tools design and musculoskeletal disorders of workers during various working environment" *Advances in Natural and Applied Sciences* 10 (7 SE), 284-293

II. BOOK Published : Engineering Graphics book for I year Anna University Students

III. INTERNATIONAL CONFERENCE : 07

1. K. Lenin "Process parameter Optimization and Characterization for Friction Stir Welding of Nylon 6 Material using Taguchi Technique" International conference on Advances in Design & Manufacturing (ICAD&M'14) 5-7, December 2014, NIT, Trichy.

2. K. Lenin “Process Parameter Optimization for Friction Stir Welding of Polypropylene Material Using Taguchi’s Approach” International Conference on Trends in Technology for Convergence ‘TITCON-2014, 8 & 9 April, 2014, AVS Engineering College, Salem, Tamil Nadu.
3. K. Lenin “ Investigation of Process parameter During FSW and FVW of Casted Acrylic Plate” Third International Conference on Production and Industrial Engineering, March 29-31, 2013, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, India.
4. K. Lenin “ Selection of FVW tool, Feed Rate and Frequency for Joining Nylon 6 and Polypropylene Plates” Third International Conference on Production and Industrial Engineering, March 29-31, 2013, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, India.
5. K. Lenin, K. Panneerselvam “Characterization and Process Parameter Optimization for FSW of Nylon 6 Material using Taguchi Technique” International Conference on Modeling Optimization and Computing (ICMOC-2014) April 10&11, 2014, Noorul Islam University, Kumaracoil, Tamil Nadu, India.
6. K. Lenin “Optimization of Friction Stir Welding Parameters for Nylon 6 Material” International Symposium for Research Scholars on Metallurgy, Material Science and Engineering (ISRS-2012), December 13-15, 2012, IIT Madras, Chennai, India.
7. K. Lenin, K. Panneerselvam “Investigation on Effect of Tool Forces and Joint Defects During FSW of Nylon 6 Plate” Second International Conference on Advances in Materials Processing and Characterization (AMPC 2013), February 6-8, 2013, Anna University, Chennai, India.

V. NATIONAL CONFERENCE : 06

1. K. Lenin, “Experimental Analysis of Friction Stir Welding on Dissimilar Materials using Finite Element Method” National Conference on Discover Real Engineers and

Mechanical Simulations, March 13, 2009, Dhanalakshmi Srinivasan Engineering College, Perambalur, Tamil Nadu.

2. K. Lenin “Experimental Investigation of Friction Stir Welding on Magnesium Alloy” National Conference on Emerging Trends in Mechanical Engineering (ETME-10), March 31, 2010, Shri Angalamman College of Engineering and Technology, Trichy, Tamil Nadu.
3. K. Lenin and R. Senthil Raja “Experimental and Numerical Analysis of Friction Stir Welding on Dissimilar Materials using Finite Element Method” National Conference on Recent Advances in Mechanical Engineering (RAME-2009), April 4, 2009, M. P. Nachimuthu M. Jaganathan Engineering College, Erode, Tamil Nadu.
4. K. Lenin “Parameter Optimization of FSW in Nylon 6 Material” National Conference AMESHE-2014, May 3, 2014, Knowledge Institute of Technology, Salem, Tamil Nadu.
5. K. Lenin “Experimental and Numerical Analysis of Friction Stir Welding on Dissimilar Materials Using Finite Element Method” National Conference on Emerging Trends in Mechanical Engineering (ETME-09), April 16, 2009, Shri Angalamman College of Engineering and Technology, Trichy, Tamil Nadu.
6. K. Lenin and R. Senthil Raja “Experimental and Numerical Analysis of Friction Stir Welding on Dissimilar Materials using Finite Element Method” National Conference on Recent Innovation in Design and Analysis RIDA-2009, March 18, 2009, Government College of Engineering, Tirunelveli, Tamil Nadu.

VI. OTHER RESPOSIBILITIES HELD:

- 1) NBA – Department Co-ordinator from July 2018 to till date

VII. List of Life Members :

- 1. Indian Institute of Metals**
- 2. Indian Welding Society**

3. The Institution of Engineers (India)

VIII. Guest Lectures:

S.No	Institution Name	Date	Title
1	Meenakshi Ramaswamy Engineering College, Ariyalur	17/07/2018	Maintenance Engineering
2	Sri Venkateswaraa College of Technology, Chennai	18/07/2018	Seminar in the Area of Job Opportunities for Mechanical Engineering

IX. List of Short Term Course Attended :

Sl.No.	Name of the Programme	Duration	From	To	Place
1	Preparation Guidelines for NBA Self-Assessment Report (SAR)	1 Day	21/6/2017	21/6/2017	Dhaanish Ahmed College of Engineering, Chennai
2	Autodesk Autocad	5 Days	13/6/2016	17/6/2016	KLN College of Engineering, Madurai
3	Advances in Manufacturing Technology	3 Days	8/8/2013	10/8/2013	NIT, Trichy
4	Surface Engineering For Tribological Applications	3 Days	10/6/2013	12/6/2013	NIT, Trichy
5	Sustainable Manufacturing	2 days	18/07/2013	19/07/2013	NIT, Trichy
6	NRC-M Winter Workshop on Joining of Materials	5 Days	13/12/2010	17/12/2010	NIT, Trichy
7	Thermal Engineering Applications for Sustainable Improvement (TEASI'15)	14 Days	15/06/2015	28/06/2015	Bharathidhasan Institute of Technology, Anna University, Trichy
8	Recent Developments in Welding Processes for Manufacturing	3 Days	27/06/2013	29/06/2013	NIT, Trichy

	Industries				
9	Fluid Power Control System and Mechatronics	5 Days	03/06/2013	07/06/2013	NIT, Trichy
10	Fabrication & Processing of 9Cr-1Mo (Grade 91) Material	2 Days	25/02/2011	26/02/2011	IWS, Trichy
11	Tubes and Pipes Production and Processing	2 Days	25/04/2008	26/04/2008	IWS, Trichy
12	Manufacturing Technology – Realms Ahead	2 Days	07/09/2009	08/09/2009	IWS, Trichy
13	One day workshop on How to Write Research Articles	1 Day	28/08/2014	28/08/2014	Knowledge Institute of Technology, Salem
14	Swarm and Evolutionary Optimization	2 Days	12/12/2013	13/12/2013	Knowledge Institute of Technology, Salem
15	Production Processes for Defence Applications	5 Days	27/05/2013	01/06/2013	NIT, Trichy
16	Sustainable Technologies for Future- Vision 20	2 Days	29/12/2009	30/12/2009	Oxford Engineering College, Trichy
17	Lean and Agile Manufacturing	5 Days	07/12/2009	11/12/2009	NIT, Trichy
18	Recent Trends in Nano Technology	1 Day	24/10/2009	24/10/2009	Latha Mathavan Engineering College, Madurai
19	National Students Symposium on Materials & Their Processing	2 Days	22/03/2010	23/03/2010	IWS, Trichy
20	Modeling and Simulation of Manufacturing Systems using Witness	2 Days	04/02/2010	05/02/2010	KLN College of Engineering, Madurai
21	Finite Element Analysis	1 Day	08/10/2009	08/10/2009	AVC College of Engineering, Mayiladuthurai
22	Mechatronics	2 Days	12/11/2009	13/11/2009	K.S.Rangasamy College

	Based Instrumentation for Manufacturing Automation					of technology, Tiruchengode, Namakkal
23	Communication Skills, Ethics and Human Values	5 Days	17/04/2007	21/04/2007		Holy Cross College, Trichy
24	Welding Power Sources Evaluation and Process Control	1 Day	18/02/2010	18/02/2010		NIT, Trichy
25	Two Days Workshop on Non Destructive Testing	2 Days	16/10/2006	17/10/2006		Jayaram College of Engineering and Technology, Thuraiyur
26	Recent Trends in Welding Processes	1 Day	03/04/2009	03/04/2009		Jayaram College of Engineering and Technology, Thuraiyur
27	Seminar on Wireless Communication	1 Day	11/12/2006	11/12/2006		Jayaram College of Engineering and Technology, Thuraiyur
28	High Impact Teaching Skills	5 Days	05/04/2010	09/04/2010		WIPRO, Jayaram College of Engineering and Technology, Thuraiyur
29	Art of Writing Research Proposal for Quality Publication and Funding	1 Day	07/09/2018	07/09/2018		Kongu Engineering College, Erode.

IX) List of Short Term Course Organized : 01

Sl.No.	Name of the Programme	Duration	From	To	Place	Resource Person
1	Future Energy Management	1 Day	29/06/2009	29/06/2009	Jayaram College of Engineering and Technology, Thuraiyur	Dr. W. Christhuraraj, Principal, SACET, Trichy