

**National Institute of Technology, Tiruchirappalli:
Performa for CV of Dr.K.PANNEERSELVAM**

Curriculum Vitae



Brief Profile: 1-2 paragraphs (not exceeding 500 words)

1. Name **Dr.K.PANNEERSELVAM**
2. Designation: Assistant Professor
3. Office Address: Dr.K.PANNEERSELVAM,
Assistant Professor,
Department of Production Engineering,
National Institute of Technology,
Tiruchirappall-620015
Tamil Nadu, India.
E mail:kps@nitt.edu
Phone:04312503515
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4. Telephone (Direct) (Optional):
Telephone : 04312503515 Extn (Optional):3515
Mobile (Optional): 9952842776
5. Email (Primary):kps@nitt.edu Email (Secondary) :kps.nitt@gmail.com
6. Field(s) of Specialization:
 - Composite Materials Processing
 - Fluid Power Control and Mechatronics
 - Advanced Optimization Techniques
 - Modeling and optimization of Manufacturing Processes
7. Employment Profile

Job Title	Employer	From	To
Research Associate*	Department of Production Engineering National Institute of Technology, Tiruchirappalli – 15	5-2-2003	16-8-2005
Assistant Professor	Department of Mechanical Engineering National Institute of Technology Calicut, Calicut 673 601	17-8-2005	2-5-2006
Assistant Professor	Department of Production Engineering National Institute of Technology, Tiruchirappalli – 15	3-5-2006	Till date

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8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	National Institute of Technology, Trichy – 15	2009	-	Production Engineering
M.E.	Regional Engineering college, Trichy – 15	2003	9.33	Manufacturing Technology
B.E.	Regional Engineering college, Trichy – 15	1998	72.06	Production Engineering
D.M.E.	Directorate of Technical Education	1995	88.00	Mechanical Engineering
S.S.L.C.	State Board of Tamil Nadu	1992	73.2	-

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/ Centre/Institution	From	To
Associate Dean(Faculty welfare)	Institution	2012	2015
NSS Program officer	Institution	2006	Till date
Staff advisor	Department	2015	Till date
Hostel deputy warden	Institution	2006	2007
Warden	Institution	2010	2012

10. Academic/Administrative Responsibilities outside the University: Nil

11. Awards, Associateships etc.: Nil

12. Fellowships: Nil

13. Details of Academic Work

(i) Curriculum Development

❖ Introduced following subject in the UG/PG curriculum

UG: 1. PR310- Mechatronics and Industrial Automation (Theory and Lab)

2. PR002-Manufacturing of Composite Materials

PG: 1. PR612-Advances in Polymer matrix Composites

2. PR629-Industrial Automation and Mechatronics

❖ Involvement in Laboratory development (Give details)

1. Mechatronics lab

2. Composite Processing Lab

❖ Involvement in development of Experiments in the laboratory (Give details)

Course Code	UG/PG	Title
BPR707	UG	Computer aided drafting and cost estimation
PR314	UG	CAD/CAM lab
PR314	UG	CNC laboratory
PR411	UG/PG	Mechatronics lab

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PR612	PG	Composite Processing Lab
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(ii) Courses taught at Postgraduate and Undergraduate levels

Academic year	Semester	UG/PG	Subject code	Name of Subject
2006-2007	ODD Semester	UG	BPR702	DESIGN FOR MANUFACTURE
		UG	CC101	ENERGY AND ENVIRONMENTAL ENGINEERING
		UG	BPR707	CAD & CE
	EVEN Semester	UG	BPRE08	MANUFACTURING COST AND ANALYSIS
		UG	BPR606	QUALITY RELIABILITY AND MAINTENANCE
		UG	MP102	COMPUTER AIDED ENGINEERING GRAPHICS
2007-2008	ODD Semester	UG	BPR301	MECHANICAL MEASUREMENTS AND METROLOGY
		UG	BPR703	MACHINE TOOL CONTROL & MECHATRONICS
		UG	BPR707	CAD AND COST ESTIMATION
	EVEN Semester	UG	BPR606	QUALITY RELIABILITY AND MAINTENANCE
		UG	BPRE02	NEWER TRENDS IN MANUFACTURING
		UG	MP102	COMPUTER AIDED ENGINEERING GRAPHICS
2008-2009	ODD Semester	UG	BPR301	MECHANICAL MEASUREMENTS AND METROLOGY
		UG	BPR703	MACHINE TOOL CONTROL & MECHATRONICS
		UG	PR 101	ENGINEERING PRACTICE
	EVEN Semester	UG	PR 624	MANUFACTURING OF PRODUCTS FROM NON METALLIC MATERIALS
		UG	BPR606	QUALITY RELIABILITY AND MAINTENANCE
		UG	PR314	CAD/CAM LAB.
2009-2010	ODD Semester	UG	BPR703	MACHINE TOOL CONTROL & MECHATRONICS
		PG	PR 611	TOLERANCE TECHNOLOGY
		UG	PR 413	MECHATRONICS LAB
	EVEN Semester	PG	PR 668	TOTAL QUALITY MANAGEMENT
		UG	PR352	QUALITY RELIABILITY AND MAINTENANCE
		UG	PR314	CAD/CAM LAB.
2010-2011	ODD Semester	UG	BPR703	MACHINE TOOL CONTROL & MECHATRONICS
		PG	PR 611	TOLERANCE TECHNOLOGY
		UG	PR 413	MECHATRONICS LAB
	EVEN Semester	PG	PR 668	TOTAL QUALITY MANAGEMENT
		UG	PR202	KINEMATICS AND DYNAMICS OF MACHINES
		UG	PR314	CNC LAB
2011-	ODD	UG	BPR703	MACHINE TOOL CONTROL &

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2012	Semester			MECHATRONICS
		PG	PR 611	TOLERANCE TECHNOLOGY
		UG	PR 413	MECHATRONICS LAB
	EVEN Semester	UG	PR 310	CNC MACHINES
		PG	PR 683	ADVANCED OPTIMIZATION TECHNIQUES
	UG	PR314	CNC LAB	
2012-2013	ODD Semester	UG	PR403	MACHINE TOOL CONTROL & MECHATRONICS
		PG	PR611	TOLERANCE TECHNOLOGY
	EVEN Semester	UG	PR314	CNC LABORATORY
		UG	PR310	CNC MACHINES
		PG	PR683	ADVANCED OPTIMIZATION TECHNIQUES
2013-2014	ODD Semester	UG	PR403	MACHINE TOOL CONTROL AND MECHATRONICS
		UG	PR411	MECHATRONICS LAB AND MANUFACTURING SYSTEMS SIMULATION LAB
		PG	PR629	TOLERANCE TECHNOLOGY
	EVEN Semester	UG	PR314	CNC LABORATORY
		UG	PR310	CNC MACHINES
		PG	PR668	ADVANCED OPTIMIZATION TECHNIQUES
		2014-2015	ODD Semester	UG
UG	PR411			FLUID POWER CONTROL AND MECHATRONICS LABORATORY
PG	PR629			TOLERANCE TECHNOLOGY
EVEN Semester	UG		PR314	CNC LABORATORY
	UG		PR310	CNC MACHINES
	PG		PR668	ADVANCED OPTIMIZATION TECHNIQUES
2015-2016	ODD Semester	PG	PR635	TOLERANCE TECHNOLOGY
		UG	PR403	FLUID POWER CONTROL AND MECHATRONICS
		UG	PR411	FLUID POWER CONTROL AND MECHATRONICS LABORATORY
	EVEN Semester	UG	PR310	MECHATRONICS AND INDUSTRIAL AUTOMATION
		PG	PR669	ADVANCED OPTIMIZATION TECHNIQUES
		PG	PR608	AUTOMATION AND CIM LABORATORY
2016-2017	ODD Semester	PG	PR607	ADVANCED PRODUCTION PROCESS LAB
		PG	PR612	ADVANCES IN POLYMER MATRIX COMPOSITES

(iii)Projects guided at Postgraduate level

S.No	Name of the Student	Title of project	Year
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**National Institute of Technology, Tiruchirappalli:
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1.	S.ARVIND KUMAR (PRB0509)	OPTIMIZATION OF A REAL TIME MIXED ASSEMBLY LINE & BALANCING THE SYSTEM	2006-07
2.	R.KARTHIKEYAN (PRA 0512)	INVESTIGATION AND ANALYSIS OF FRICTION STIR WELDING PARAMETERS ON WROUGHT ALUMINIUM	2006-07
3.	S.ARVIND KUMAR (PRB0509)	INVESTIGATION OF OPTIMIZATION TECHNIQUES FOR PRACTICAL APPLICATIONS	2006-07
4.	R.KARTHIKEYAN (PRA 0512)	INVESTIGATION AND ANALYSIS OF FRICTION STIR WELDING PARAMETERS ON METAL MATRIX COMPOSITE(ALSIC)	2006-07
5.	S.SIVASANKARAN, (PRL0502)	STUDY AND OPTIMIZATION OF END MILLING PARAMETERS ON MULTI-PERFORMANCE CHARACTERISTICS FOR GLASS FIBER REINFORCED PLASTICS (GFRP) COMPOSITE MATERIAL	2007-08
6.	JAVEED AHAMED .S (PRA0611)	STUDY ON THERMOPLASTIC PARTICULATE COMPOSITE MATERIAL	2007-08
7.	S.SIVASANKARAN, (PRL0502)	STUDY AND OPTIMIZATION ON MILLING OF GLASS FIBER REINFORCED PLASTIC (GFRP) COMPOSITES	2007-08
8.	JAVEED AHAMED .S (PRA0611)	STUDY ON THERMOPLASTIC NANOCOMPOSITE MATERIAL	2007-08
9.	MUBARAK M.K (214108013)	JOINING OF THERMOPLASTIC COMPOSITE PIPES THROUGH RESISTANCE WELDING PROCESS	2009-10
10.	PRABHAKARAN.K.B. (214108019)	FABRICATION, TESTING AND EVALUATION OF COMPOSITE PIPES	2009-10
11.	MUBARAK M.K (214108013)	JOINING OF THERMOPLASTIC /THERMOPLASTIC COMPOSITE PIPES THROUGH RESISTANCE WELDING PROCESS	2009-10
12.	PRABHAKARAN.K.B. (214108019)	FABRICATION, TESTING AND EVALUATION OF PARTICULATE REINFORCED COMPOSITE PIPES	2009-10
13.	SUDHY S PANICKER (214109026)	JOINING OF HIGH DENSITY POLYETHYLENE THROUGH RESISTANCE WELDING	2010-11
14.	SUDHY S PANICKER (214109026)	FINITE ELEMENT SIMULATION OF RESISTANCE WELDING OF HIGH DENSITY POLY ETHYLENE PLATES	2010-11
15.	NIKHIL SANKAR P G (214109014)	JOINING OF POLYPROPYLENE BY RESISTANCE WELDING	2010-11
16.	B. THIRUPATHAIAH 214209041)	IMPLEMENTATION OF TOTAL QUALITY MANAGEMENT	2010-11
17.	B. THIRUPATHAIAH (214209041)	IMPLEMENTATION OF PROCESS CAPABILITY IN CNC MACHINE	2010-11

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18.	A SHASHIKIRAN RAO (214109017)	COMPUTER AIDED FIXTURE DESIGN :DESIGNING A MODULAR FIXTURE FOR FRICTION STIR WELDING PROCESS	2010-11
19.	A SHASHIKIRAN RAO (214109017)	FINITE ELEMENT ANALYSIS OF FRICTION STIR WELDING PROCESS TO DESIGN FIXTURE USING ANSYS	2010-11
20.	RAMI REDDY SUREDDY (214110014)	FINITE ELEMENT SIMULATION OF RESISTANCE WELDING OF HIGH DENSITY POLY ETHYLENE PIPES	2011-12
21.	RAMI REDDY SUREDDY (214110014)	JOINING OF HDPE PIPES THROUGH RESISTANCE WELDING PROCESS	2011-12
22.	MUGALE MANOJ V.(214110014)	BUTT FUSION WELDING OF HDPE PIPES	2011-12
23.	MUGALE MANOJ V.(214110014)	FINITE ELEMENT ANALYSIS OF FRICTION STIR WELDING PROCESS ON TITANIUM USING ANSYS	2011-12
24.	SYAMJITH K P (214211031)	MACHINING OPTIMISATION IN CARBON FIBER REINFORCED POLYMER	2012-13
25.	MAHESH KUMAR DUBEY (214212028)	APPLICATION OF LEAN TOOL FOR LEAP BOX	2013-14
26.	MAHESH KUMAR DUBEY (214212028)	DEVELOPMENT OF SINGLE MINUTE EXCHANGE DIE FOR CNC MACHINE	2013-14
27.	NIKHIL M (2142112004)	FRICTIONAL VIBRATION WELDING OF GLASS FIBER REINFORCED NYLON 6	2013-14
28.	NIKHIL M (2142112004)	FRICTIONAL VIBRATION WELDING OF DISSIMILAR NYLON 6 SHEETS BASED ON GLASS FIBER REINFORCEMENT	2013-14
29.	SHINESH T M (2142112023)	LAP JOINING OF GLASS FIBER REINFORCED NYLON 6 COMPOSITE BY RESISTANCE WELDING	2013-14
30.	SHINESH T M (2142112023)	RESISTANCE WELDING OF GLASS FIBER REINFORCED NYLON 6	2013-14
31.	P.A. PRABHU (214213026)	OPTIMIZATION OF AUTOMATED GUIDED VEHICLE (AGV) USING SIMULATION IN A JOB SHOP-ENVIRONMENT	2014-15
32.	NIDHIN FRANCIS (214113028)	EXPERIMENTAL STUDY ON THE INFLUENCE OF PROCESS PARAMETERS IN THE FRICTION STIR WELDING OF ACRYLONYTRILE BUTADIENE STYRENE WITH POLYCARBONATE SHEETS	2014-15
33.	ALEX MATHEW (214113027)	ANALYSIS ON FRICTION STIR SPOT WELDED JOINTS OF 30% GLASS FIBER REINFORCED NYLON -6	2014-15
34.	NIDHIN FRANCIS (214113028)	EXPERIMENTAL STUDY ON THE INFLUENCE OF PROCESS PARAMETERS IN THE FRICTION	2014-15

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		STIR SPOT WELDING OF ACRYLONYTRILE BUTADIENE STYRENE SHEETS	
35.	P.A. PRABHU (214213026)	MULTI OBJECTIVE MIXED INTIGER LINEAR PROGRAMMING MODEL FOR EMERGENCY MEDICAL SERVICE(EMS) DEVELOPMENT	2014-15
36.	ALEX MATHEW (214113027)	INFLUENCE OF WELDING PARAMETERS ON THE PROPERTIES OF FRICTION STIR WELDED 30% GLASS FIBER REINFORCED NYLON -6 PLATE	2014-15
37.	CHANDRESH KUMAR DEWANGAN (214114008)	INVESTIGATION ON MECHANICAL AND METALLURGICAL CHARACTERIZATION OF ALUMINIUM HONEYCOM CORE REINFORCED WITH POLYPROPELENE POLYMERIC COMPOSITES	2015-16
38.	CHANDRESH KUMAR DEWANGAN (214114008)	INVESTIGATION ON MECHANICAL CHARACTERIZATION AND SURFACE MORPHOLOGY OF SISAL AND BANANA FIBERS REINFORCED WITH POLYPROPELENE	2015-16
39.	KOOTLONI LOKESH (214214024)	OPTIMIZATION OF TRIBOLOGICAL PROPERTIES OF ARAMID AND PALM FIBERS REINFORCED WITH NYLON HYBRID COMPOSITE	2015-16
40.	KOOTLONI LOKESH (214214024)	OPTIMIZATION OF TRIBOLOGICAL PROPWERTIES OF ALUMINIUM HONEYCOMB REINFORCED POLYMERIC COMPOSITES	2015-16
41.	THATI NAGA SAI RAMA KRISHNA (214114022)	INVESTIGATION ON MECHANICAL CHARACTERIZATION AND SURFACE MORPHOLOGY OF KENAF AND JUTE FIBERS REINFORCED WITH HDPE	2015-16
42.	THATI NAGA SAI RAMA KRISHNA (214114022)	INVESTIGATION ON MECHANICAL AND METALURGICAL CHARACTERIZATION OF 30wt. % GLASS FIBER REINFORCED COMPOSITES REINFORCED WITH ALUMINIUM HONEY COMB CORE	2015-16
43.	SACHIN KUMAR (214111014)	JOINING OF THERMOPLASTIC MATERIAL BY FRICTIONAL VIBRATION JOINING	DEC 2012
44.	SYAMJITH KP (214211031)	MACHINABILITY STUDY IN CARBON FIBER REINFORCED POLYMER AND HYBRID COMPOSITE MATERIAL	MAY 2012

(iv) Other contribution(s)

- i. I am in-charge of Mechatronics Lab and member in DST- FIST implementation team in the department, I have established Mechatronics lab

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at which will benefit to the students of both UG and PG under DST-FIST and PLAN fund.

ii. Involved in development of Experiments in the following laboratory

Course Code	UG/PG	Title	
PR411	UG	Mechatronics lab**	** List of experiments for Mechatronics lab and *** Newly Developed lab from my Ph.D. work is given in Annexure –IV
PR 635	PG	Advanced Production Processes Lab***	

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Joining Of Thermoplastic Composite Pipes	DST	2007	2011	Completed
Study on effect of cryo rolling precipitation hardenable AA2219 aluminium alloy of friction stir welding	DRDL	2013	2015	Completed

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
K.Lenin (414110004)	Internal Defect and Process Parameter analysis of Friction Stir welded Thermoplastic Joints	Supervisor	2014

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

No. of Workshop/Training Programmes/Summer/ Winter Schools Attended		
S.No	Title	Duration
1.	Computational Fluid Dynamics	12 th June to 22 nd June , 2012
2.	Recent Advances in Fluid Power Control – 2011	6-10 June 2011
3.	Mobile Robots and Sensor Network	28-03-2011 to 01-04-2011
4.	Weldability of Advanced Materials & Newer Joining Techniques	29 th June to 3 rd July 2009

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5.	Engineering practice on fuzzy logic, neural network and hybrid intelligent system	15 th to 27 th June 2009
6.	Recent Advances in material and processing technology	1 st to 12 th June, 2009
7.	Patent Information	29 th April 2009
8.	Environmentally Cleaner welding process	17 th to 18 2009
9.	Recent advances in modeling and simulation of joining of materials	29 th December 2008 to 10 th January 2009
10.	Supply chain management and information system	8 th December to 10 th December , 2008
11.	Instructional design and delivery system	21 st to 27 th , August 2008
12.	RECENT TRENDS IN INDUSTRIAL ENGINEERING	7 th to 11 th April, 2008
13.	RECENT TRENDS IN ADVANCED MANUFACTURING	18 th – 22 nd , March 2008
14.	Laser Processing of Materials	6 th to 7 th , March 2008
15.	METALLURGY and MATERIALS – TODAY & tomorrow	11 th -15 th , February 2008
16.	Finite Element Analysis of welding Processes	24 th to 25 th January 2008
17.	Design of Experiment for Engineers and Researchers	19 th to 20 th December 2007
18.	Finite Element method and Application in Engineering using Ansys	26 th and 27 th November 2007
19.	Work shop on soft computing	15 th to 17 November 2007
20.	National Workshop on Non-Destructive Evaluation	12 th to 13 th October 2007
21.	Recent Trends in advance welding processes.	18 th to 30 th July 2007
22.	A Faculty Development Program on ANSYS	04 th to 13 th July 2007
23.	International Workshop on Manufacturing Technology- Realms Ahead(MANTRA -2K7)	12 th -13 th April 2007
24.	Staff Development Programme on Design and Analysis of Lean Production Systems (DALPS)	26 th March to 06 th , April 2007
25.	QIP on Recent advances in logistics and supply chain management	12 th -16 th , March 2007
26.	Workshop on Laser Material Processing	9 th to 10 th , January 2007
27.	Instructional design and delivery	16 th to 20 th , January 2006

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17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

No. of Workshop/Training Programmes/Summer/ Winter Schools Organized:			
S.No	Co-ordinators	Title	Period
1.	Dr.R.Jeyapaul K.Panneerselvam	Advanced Tools and Techniques for Research in Engineering Problems	March 25 th -29 th , 2008
2.	Dr.V.Senthilkumar K.Panneerselvam	Design and manufacturing of composite materials	March 1 st 2008
3.	Dr.P.Sathiya, Dr.A.NoorulHaq K.Panneerselvam	Advances in Materials Processing	June 31 st to 12 th July 2008
4.	Dr.C.Sathiya Narayanan / Dr.V.Senthilkumar / Mr.K.Panneerselvam,	Composite Materials: Processing Challenges And Opportunities	13th - 24th July 2009
5.	Dr.A.NoorulHaq Dr.K.Panneerselvam Dr.S.Vinodh,	Quality circle	26.02.2013
6.	Dr.P.Sathiya, Dr.A.NoorulHaq K.Panneerselvam	Recent trends in Fluid power control system and mechatronics (FPCSM)	3rd – 7th June 2013
7.	Dr.P.Sathiya, Dr.A.NoorulHaq K.Panneerselvam	Recent developments of welding processes in manufacturing industries	27-6-2013 to 29-6-2013
8.	Dr.P.Sathiya, Dr.A.NoorulHaq K.Panneerselvam	ADVANCED MATERIAL PROCESSING IN PAST, PRESENT AND FUTURE	30 th June 2016 – 2 nd July 2016
9.	Dr.D.Lenin Singaravelu, Dr.V.Senthil Kumar and Dr.K.Panneerselvam	Processing of Smart Materials	11 th July 2016-16 th July 2016

18. Invited Talks delivered: Nil

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life member	IWS	L00302, 2005
Life member	ISTE	LM56271, 2008
Life member	Institute of Engineers	M-140063-5, 2009
Life member	Association for machines and Mechanism	A2012002, 2012

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20. Academic Foreign Visits

Country	Duration of Visit	Programme
NTU, Singapore	One month	TEQIP Training
China	Two days	To attend International conference

21. Publications

(A) Refereed Research Journals:

International Journals:

1. K.Panneerselvam, S.Aravindan and A.NoorulHaq, “Hybrid of ANN with genetic algorithm for optimization of frictional vibration joining process of plastics” International Journal of Advanced Manufacturing Technology, 42, (2009), 669-677. **Impact Factor: 1.103**
2. P. Sathiya, S. Aravindan, A. NoorulHaq, K. Panneerselvam, “Optimization of friction welding parameters usingevolutionary computational techniques” journal of materials processing technology 209 (2009) 2576–2584. **Impact Factor: 1.783 .**
3. P. Sathiya, K. Panneerselvam, M.Y. Abdul Jaleel, “Optimization of laser welding process parameters for super austenitic stainless steel using artificial neural networks and genetic algorithm” Materials & Design, 36(2012) 490-498. **Impact Factor: 2.20**
4. P. Sathiya, K. Panneerselvam, R. Soundararajan, Optimal design for laser beam butt welding process parameter using artificial neural networks and genetic algorithm for super austenitic stainless steel” Optics & Laser Technology, 44(6) (2012),1905-1914. **Impact Factor: 1.515**
5. K. Panneerselvam, S. Aravindan, A. Noorul Haq “Study on resistance welding of glass fiber reinforced thermoplastic composites” Materials & Design, 41, (2012), 453-459. **Impact Factor: 2.20**
6. K. Panneerselvam, K. Pradeep, P. Asokan “Optimization of End Milling Parameters for Glass Fiber Reinforced Plastic (GFRP) Using Grey Relational Analysis Original Research Article” Procedia Engineering, 38(2012) 3962-3968. **Impact Factor: 0.235**
7. K. Panneerselvam and K. Lenin, Investigation of Effect of tool Forces and joint defects during FSW of Polypropylene plate. Procedia Engineering 38 (2012) 3927-3940. **Impact Factor: 0.235**
8. K. Panneerselvam and K. Lenin, Effects and Defects of the Polypropylene plate for Different parameters in Friction stir welding process. International journal of Research in Engineering and Technology, 2(2) (2013) 143-152. **Impact Factor: 2.375**
9. K. Panneerselvam and K. Lenin, Study on hardness and microstructural characterization of friction stir welded nylon 6 plate. International Journal of Mechanical Engineering, 2(2) (2013) 51-62. **Impact Factor: 3.2766**
10. Lenin, K., K. Panneerselvam, Optimizing the welding parameters of Friction stir welding by using resultant force and defects for Nylon 6 material, International Journal of Mechanical Engineering, 2(2), (2013) 77-84. **Impact Factor: 3.2766**

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11. Lenin, K., K. Panneerselvam, Joining of Nylon 6 plate by friction stir welding process using threaded pin profile, *Materials and Design* (Elsevier), 53, (2014) 302–307.
Impact Factor: 2.20
12. K Lenin, H Abdul Shabeer, K Suresh Kumar and K Panneerselvam, Process parameters optimizations for friction welding of polypropylene materials using Taguchi's approach, *Journal of Scientific & Industrial Research*, 73, (2014) 369-374.
13. Shunmugesh K., Panneerselvam K., Pramod M. and Amal George, Optimization of CNC Turning Parameters with Carbide Tool for Surface, Roughness Analysis Using Taguchi Analysis, *Research Journal of Engineering Sciences*, 3(6), (2014) 1-7.
14. Shunmugesh. K, Panneerselvam. K, Jospaul Thomas, A nova Based Optimization of Machining Parameters in Drilling of Glass Fiber Reinforced Polymer (GFRP) Composites, *International Journal of Emerging Engineering Research and Technology*, 2(3),(2014) 53-60.
15. Shunmugesh K., Panneerselvam K., Pramod M. and Amal George, Optimization of Turning Parameters with Carbide Tool for Surface Roughness Analysis, *International Journal of Emerging Engineering Research and Technology*, 2(2),(2014), 149-154.
16. Shunmugesh K, Panneerselvam. K, Jospaul Thomas, Optimising Drilling Parameters Of GFRP By Using Grey Relational Analysis, *International Journal of Research in Engineering and Technology*, 03(06), (2014), 302-305.
17. Shunmugesh.K, Panneerselvam K, Amal George, Optimization Of Turning Parameters With Carbide Tool For Surface Roughness Analysis Using Response Surface Methodology, *International Journal Of Research In Aeronautical And Mechanical Engineering Optimization Of Turning Parameters*,2(6),(2014) 17-27.
18. K.Panneerselvam, S.Aravindan and A.NoorulHaq,“An innovative approach for optimization of Frictional Vibration Joining Process” *The International Journal for Manufacturing Science & Production*, 9, 3-4, (2008), 203-216.
19. K.Panneerselvam, S.Aravindan and A.NoorulHaq, “Joining of thermoplastic by frictional vibration”, *Journal of Modern Manufacturing Technology*, 1(1), (2009), 83-92.
20. K.Panneerselvam, S.Aravindan and A.NoorulHaq, “A Heuristic Approach For a Real Time -Mixed Model Assembly Systems To Reduce Idle Time And Material Handling Cost”, *International Journal of logistics and supply chain management* 1(2),2009, pp.97-101.(Selected form the Proceeding of Six international on Supply chain management and Information system (SCMIS-2008), December 8-10, 2008, 690-695).
21. Krishnasamy Vijaykumar, Kavan Panneerselvam, and Abdullah Naveen Sait (2014). Machining Parameter Optimization of Bidirectional CFRP Composite Pipe by Genetic Algorithm. *Materials Testing: Vol. 56, No. 9*, pp. 728-736.
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(C) Books & Monographs:Nil

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