

CURRICULAM VITAE



Dr. S.KALIDASS

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Father's Name : **S.SOLAISAMY**
Date of Birth : **19.06.1972**
Sex : **Male**
Marital Status : **Married**
Nationality : **Indian**
Religion : **Hindu**
Languages Known : **Tamil & English**

Qualification :

Degree	Specialization	University	Class	Year of Passing
B.E	Mechanical Engineering	Madurai Kamarajar University, Madurai	I	2000
M.E	CAD/CAM	Madurai Kamarajar University, Madurai	Ist class with Distinction	2003
PhD	Mechanical Engineering, Design Optimization.	Anna University, Chennai	Highly Commanded	2014

Title of Ph.D. Thesis:

Investigation on the effects of machining parameters in end milling process using
 AISI 304 steel with solid carbide tools

Academic Experience :

Name of the College	Designation	Joining Date	Relieving Date	Experience	
				Years	Months
Kumaraguru College of Technology, Coimbatore	Lecturer – Assitant Professor senior Grade	03.06.2003 To 12.05.2012	12.05.2012	9	0
Dr.N.G.P.Institute of Technology, Coimbatore	Associate Professor	04.06.2012 To 25.05.2016	25.05.2016	4	0
P.S.R.Engineering College, Sivakasi	Professor & COE	08.06.2016	Till date	1	0
Total Teaching Experience					14 years

Industrial Experience

Industry	Designation	Period	Experience
P.S.G.Industrial Institute	Apprentice trainee	2.5.1990- 30.04.1991	1 year
Genga Foundry	Maintenance supervisor	1.06.1994 -31.05.1996	2 years
Total Experience			3 years

Total Experience Teaching + Industry = 17 years

MEMBERSHIP

- ISTE LM. 38743
- IWS - L00253
- IIIE – AM 8796

Summary of Achievements:

S.No	Particulars	2012-13	2013-14	2014-15	2015-16	Total
1.	Journal Publications	1	1	3	1	6
2.	Conference Presentation	1	1	1	1	4
3.	FDP / Workshop / Seminar participation	1	2	1	1	5
4.	Guest Lecture delivered	1	2	1	1	5
5.	No. of projects guided – UG	1	1	1	1	4
6.	No. of projects guided – PG	1	1	1	1	4

JOURNAL PUBLICATIONS : 06

1. **Kalidass, S**, Palanisamy, P & Muthukumar, V 2012, 'Prediction of tool wear using regression and artificial neural network models in end milling of AISI 304 Austenitic stainless steel', International Journal of Engineering and Innovative Technology, vol. 1, no. 2, pp. 29-36.
2. **Kalidass, S**, Palanisamy, P & Muthukumar, V 2013, 'Prediction and optimization of tool wear for end milling operation using artificial neural networks and simulated annealing algorithm', International Journal of Machining and Machinability of Materials, vol. 14, no. 2, pp. 142-164. (Annexure II, Sl. No. 8569, IF : 0.601).
3. **Kalidass, S** & Palanisamy, P 2014, 'Experimental investigation on the effect of tool geometry and cutting conditions using tool wear prediction model for end milling process', Journal of Advanced Manufacturing Systems, vol. 13, no. 1, pp. 1-14 DOI: 10.1142/S0219686714002565. (AnnexureII,Sl.No.9516, IF : 0.376).

4. **Kalidass, S & Palanisamy, P** 2014, 'Effect of machining parameters on surface roughness in end milling of AISI 304 steel using uncoated solid carbide tools', Australian Journal of Mechanical Engineering, Accepted for Publication (Ref # M12-079R1). (Annexure II, Sl. No. 2029, IF : 0.104).
5. **Kalidass, S, Palanisamy,P** 2014 'Prediction of Surface Roughness for AIS 304 Steel with Solid Carbide Tools in End Milling Process Using Regression and ANN Models' Arabian Journal for Science and Engineering, vol. 39, pp.8065- 8075 DOI 10.1007/s13369-014-1346-6 . (Annexure I)
6. **Kalidass, S. Madhavaraj Ravikumar.T** 2015 'Cutting Force Prediction in End Milling Process of AISI 304 Steel Using Solid Carbide Tools' International Journal of Engineering, Transactions A: Basics Vol. 28, No. 7. (AnnexureII)

INTERNATIONAL/NATIONAL CONFERENCE PUBLICATIONS: 2

1. Kalidass.S 2013 , Prediction and optimization of surface roughness for end milling operation of AISI 304 material using artificial neural networks and genetic algorithm, 3rd International Conference on Recent Advances in Material Processing Technology (RAMPT'13), National Engineering College, K.R.Nagar, Kovilpatti – 628 503.
2. Kalidass, S & Palanisamy, P 2014, 'Prediction of cutting force in end milling process of AISI 304 steel using Response surface methodology', Second International Conference on Advances in Industrial Engineering Applications, Anna University Chennai, Tamilnadu, India. (Ref # QE 115)

WORKSHOP/SEMINAR ATTENDED: 10

1. One day seminar on "Managing in the tough times". Organized by IIE Coimbatore chapter and ISTE KCT Chapter on 21st January 2004.
2. Participated in 9 days "Management Skill Development Programme" at Kumaraguru College of Technology, from 09.02.2004 to 27.02.2004.

3. One day workshop on “Bio medical Applications in Mechatronics” on 4.3.2004 conducted by Mechatronics department, Kumaraguru College of Technology, Coimbatore.
4. Seminar on “Reverse Engineering and Rapid Prototyping” (RE & RP) Organized by the Department of mechanical Engineering, Kumaraguru College of Technology on 28th February 2004. AICTE-ISTE sponsored STTP on “Self Intelligent Electro mechanical Systems” organized by the Department of Mechatronics Engineering, at Kumaraguru college of Technology from 5.03.2004 to 26.03.2004.
5. Participated in a one day workshop on 4.9.2004 on the topic RITPT – 2004 at Kumaraguru College of Technology.
6. One day seminar on Modeling and Analysis of Manufacturing systems” at Kumaraguru College of Technology. On 17.04.2004.
7. National conference on “Environmentally Conscious Design and manufacturing”-ECDM on 23rd and 24th July 2004.
8. National conference on Recent Trends in Design and manufacturing technologies - RTDMT” at KCT on 17th and 18th of March 2005
9. One day seminar on Entrepreneurship development on 29-01-2005 at Kumaraguru college of Technology.
10. AICTE-ISTE sponsored STTP on “Product and process optimization using Taguchi technique” organized by the Department of Mechanical Engineering at Kumaraguru college of Technology from 27.03.2007 to 30.03.2007.

PROFESSIONAL ACTIVITIES: (Academic)

1. Acted as external examiner for conducting Anna University Practical Examinations and central valuation

2. Acted as external examiner for conducting End Semester Practical Examinations and central valuation at Kumaraguru College of Technology (Autonomous), Coimbatore.
3. Question paper setting for various subjects in Karunya University, Coimbatore.
4. Question paper setting for various subjects in Sri Ramakrishna Engineering College, Coimbatore.

List of Projects Guided – UG & PG

Year	UG	PG
2013-14	Development of mathematical model for machining parameters	--
2014-15	Design and fabrication of intelligent braking system for four wheelers	Prediction of cutting force using AISI 304 steel.
2015-16	Design and fabrication of Pneumatic Tricycle for Physically Challenged People	Optimization of machining parameters using Genetic algorithm.

ACADEMIC RESULTS:

YEAR /SEM	COURSE CODE & COURSE NAME	RESULT
2015-16 / III	ME072 – Kinematics of Machinery	94%
2015-16 / V	MEG56 – Principles of management	100%
2015-16 / VIII	ME 041 – Mechatronis	100%
2015-16 / II	EM025 – Engineering Mechanics	95%
2014-15 / I	EG 050 – Engineering Graphics	96%
2014-15 / III	ME 045 – Fluid Mechanics and Machinery	89%
2013-14 / I PG	MED 16 - Mechanical Behavior of Materials	100%
2013-14 / I	EG 050 – Engineering Graphics	96%
2012-13 / I	EG 050 – Engineering Graphics	98%
2012-13 / VI	ME 2134 – Automobile Engineering	100%

DUTIES AND RESPONSIBILITIES

1. NAAC Coordinator
2. Mechanical Engineering Association Incharge
3. PTA Convener
4. Students Discipline incharge
5. Counseling cell Convener
6. Academic development cell deputy in charge
7. Controller of Examination

It is certified that all the information provided are true to the best of my knowledge.

Signature

Dr.S.Kalidass