

# National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

## Curriculum Vitae



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

1.	Name	: P. SENTHIL
2.	Designation	: Assistant Professor
3.	Office Address	: Department of Production Engineering, NIT-Trichy 620015
4.	Telephone (Direct) (Optional): Telephone :                      Extn (Optional): Mobile (Optional):	0431 2503513
5.	Email (Primary): senthil@nitt.edu	Email (Secondary) :
6.	Field(s) of Specialization	: Machining and Rapid Prototyping

### 7. Employment Profile

Job Title	Employer	From	To
Assistant Professor, Tiruchirappalli,	Department of Production Engineering, NIT,Trichy	07/04/2006	Till date

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	National Institute of Technology, Tiruchirappalli	2012		Production Engineering
M.E.	Anna University	2005	First class with distinction	Computer Aided Design
PGD- PE	Central Institute of Plastics Engineering & Technology	2000	First class	Plastics Engineering

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B.E.	University of Madras	1999	First class	Mechanical Engineering
HSCC	Tamilnadu state board	1995		Maths Biology

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Faculty advisor	B.Tech Production Engg.	2013	2015
Hostel warden	Aquamarine –B	2013	2015
Covocation committee (dept level)		2012	2014
Stock verification member		2007	2016

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

13. Details of Academic Work

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- (i) Curriculum Development
  - Computer graphics and cad
  - Computer aided design and engineering
- (ii) Courses taught at Postgraduate and Undergraduate levels
  - Computer graphics and cad
  - Computer aided design and manufacturing
  - Design of machine elements
  - Machine drawing
  - Rapid prototyping, tooling and manufacture
  - Rapid manufacturing
- (iii) Projects guided at Postgraduate level
  - 15 Projects guided at Postgraduate level
- (iv) Other contribution(s)

### 14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
"Microstructure and Machinability Characteristics of High Strength Aluminum Based in situ Composites"	DST Fast Track	2009	2011	completed

### 15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award

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

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
9-11 2015	Conference	International	Chair session	NIT_Trichy	MME
13,	Conference	International	Chair session	JJCET – Trichy	Trichy

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dec 2012			session		
11- 16 july 2016	Workshops	National	Participant	NIT_Trichy	DPE
15- 28 june 2015	Workshops	National	Participant	Anna University_Trichy	Anna University_Trichy
29 june - 3 july 2009	Workshops	National	Participant	NIT_Trichy	DPE
7-12 july 2008	QIP	National	Participant	NITTTR -chennai	NITTTR -chennai
4-13 july 2007	FDP	National	Participant	NIT_Trichy	CSG

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

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Workshop on <b>CAD Tools</b> (under TEQIP-TDP)	National	<b>March 17-18, 2007</b>	Co ordinator	NIT -Trichy
Workshop on <b>Rapid Prototyping and Tooling Techniques</b> (under Self Finance Category)	National	<b>March 8-9, 2013</b>	Co ordinator	NIT -Trichy
Short Term Course on <b>Modeling of Manufacturing Processes</b> (under TEQIP)	National	<b>July 25-27, 2013</b>	Co ordinator	NIT -Trichy
À Short Term Course on <b>Responsive and Sustainable Product Development Strategies</b> (under Self	National	<b>March 27-28, 2015</b>	Co ordinator	NIT -Trichy

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Finance Category)				
Workshop on <b>Rapid Manufacturing &amp; 3D Printing</b> (under DST-SERB Sponsored Category)	National	<b>April 22-23, 2016</b>	Co ordinator	NIT -Trichy

18. Invited Talks delivered

Topic	Date	Inviting Organization

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member )	Organization	Membership No. with date
Life Member	Indian Institution of Production Engineers ( <b>IPE</b> )	SLM3072
Life Member	Indian Society of Technical Education ( <b>ISTE</b> )	LM58515
Life Member	Indian Institute of Metals ( <b>IIM</b> )	49443
Life Member	Indian Welding Society ( <b>IWS</b> )	L01297

20. Academic Foreign Visits

Country	Duration of Visit	Programme

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21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Palanisamy D and P Senthil	Development of ANFIS Model and Machinability Study on Dry Turning of Cryo-Treated PH Stainless Steel with Various Inserts	Materials and Manufacturing Processes	DOI: 10.1080/10426914.2016.1221091		2016	1.4
Palanisamy D and P Senthil	Optimization on Turning Parameters of 15-5 PH Stainless Steel using Taguchi Based Grey Approach and Topsis,	The Archive of Mechanical Engineering	Vol. 63	397-412	2016	0.3
Palanisamy D and P Senthil	Machinability Study of Laser Surface Treated 15-5 PH Stainless Steel	Materials and Manufacturing Processes	31	1755-1762	2016	1.4
Palanisamy D and P Senthil	The effect of aging on machinability of 15Cr–5Ni precipitation hardened stainless steel	Archives of Civil and Mechanical Engineering	16	53-63	2016	2.1
P. Senthil, S. Vinodh, Adarsh Kumar Singh	Parametric optimisation of EDM on Al-Cu/TiB <sub>2</sub> in-situ metal matrix composites using TOPSIS method	International Journal of Machining and Machinability of Materials	16	80-94	2014	

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P. Senthil T. Selvaraj K. Sivaprasad	Influence of turning parameters on machinability of homogenized Al-Cu/TiB <sub>2</sub> in-situ metal matrix composites.	International Journal of Advanced Manufacturing Technology	67	1589-1596	2013	1.5
P. Senthil T. Selvaraj G. Kannan, R. Jeyapaul	Multi response optimization of turning operation on Al-Cu/TiB <sub>2</sub> in-situ metal matrix composites using desirability function	International Journal of Manufacturing Technology and Management	25	1-18	2012	
P. Senthil, T. Selvaraj, S. Vinodh	Modeling of turning parameters of Al-Cu/TiB <sub>2</sub> in-situ metal matrix composites using artificial neural network.	International Journal of Advanced Operations Management	4	272-282	2012	

**(B) Conferences/Workshops/Symposia Proceedings**

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
N Jayanth P Senthil	Experimental investigation on effect of process parameters on mechanical strength of 3D printed Poly Lactic Acid (PLA)	6 <sup>th</sup> International and 27 <sup>th</sup> All India Manufacturing Technology, Design and Research (AIMTDR)			College of Engineering, Pune	2016
Arul kirubakaran	Study of Machining Characteristics	International Conference on Productivity,			PSG College of Technology,	2016

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Senthilkumar P senthil	Of Titanium Alloy (TI-6AL-4V) DURING Orthogonal Cutting Using Textured Tools	Efficiency and Competitiveness in Design and Manufacturing			Tamilnadu.	
D Palanisamy P Senthil	Investigations on Turning Parameters of 15-5PH Steel Using Taguchi Based Grey Approach and TOPSIS,	International Conference on Advances in Design and Manufacturing (ICAD&M'14),			at NIT Trichy, Tamilnadu.	2014

**(C) Books & Monographs**

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number