

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

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**Curriculum Vitae**

Please attach your  
recent  
Photograph  
  
in the form of  
softcopy/hardcopy  
(Optional)

Brief Profile:

**Dr. Prasanna Venkatesan** is an Assistant Professor in the Department of Production Engineering, National Institute of Technology, Tiruchirappalli, India. Received doctorate degree in supply chain risk management from the National Institute of Technology, Tiruchirappalli. Having 17 years of Teaching experience and working at NIT-Trichy since 2006.

Areas of interests are supply chain risk management, waste management, manufacturing system simulation and multi-objective evolutionary algorithm.

Published 15 International Journal articles and around 20 International/National conference papers. Currently carrying out a SERB funded research project on e-waste Management. Reviewer in International journals like IJPR, Omega, Logistics and Transportaion research.

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|---------------------------------------|---|
| 1. Name:                              | S. PrasannaVenkatesan   |
| 2. Designation:                       | Assistant Professor   |
| 3. Office Address:                    | Department of Production Engineering,<br>National Institute of Technology,<br>Tiruchirappalli   |
| 4. Telephone (Direct) (Optional):     |   |
| Telephone Extn (Optional):            | 0431 2503514  |
| Mobile (Optional):                    |   |
| 5. Email (Primary): prasanna@nitt.edu | Email (Secondary) :spvnitt77@gmail.com  |
| 6. Field(s) of Specialization:        | <ol style="list-style-type: none"><li>1. Supply chain risk management</li><li>2. E-Waste management</li><li>3. Manufacturing system simulation</li><li>4. Evolutionary multi-objective optimization</li></ol> |

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### 7. Employment Profile

Job Title	Employer	From	To
Lecturer	Trichy Engineering College, Trichy	07-07-99	03-01-05
Research Associate	National Institute of Technology, Trichy	04-01-05	31-05-05
Lecturer	Trichy Engineering College, Trichy	23-06-05	20-07-05
Senior Lecturer	Trichy Engineering College, Trichy	21-07-05	26-04-06
Assistant Professor	National Institute of Technology, Trichy	27-04-06	At present

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	National Institute of Technology, Trichy	May-2012	-	Supply chain risk management
M.Tech.	National Institute of Technology, Trichy.	Dec'2003	First class with distinction	Industrial Engineering
B.E.	University of Madras	April 1998	First class with distinction	Production Engineering
HSC	State board	April 1994	82%	-

### 9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/ Institution	From	To
Faculty Adviser	PG (IE&M)	2012	2014
Department Project Evaluation committee member		2012	2014
Faculty Adviser	PG (IE&M)	2016	2018

### 10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

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### 11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2002-2003	Academic proficiency prize in Industrial Engineering	NIT, Trichy
2003	Best Paper Award-National conference	PSGIM – Coimbatore

### 12. Fellowships

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

### 13. Details of Academic Work

#### (i) Curriculum Development

For both UG and PG (Manufacturing system simulation, Project Management, Manufacturing Management, Research Methodology)

#### (ii) Courses taught at Postgraduate and Undergraduate levels

UG

Newer Trends in Manufacturing
Project Management
Engineering Mechanics
Manufacturing Planning and Control
Manufacturing System Simulation

PG

Project Management
Manufacturing Management
Workdesign and Ergonomics
Research Methodology

#### (iii) Projects guided at Postgraduate level No. 60 (Total)

#### (iv) Other contribution(s)

- Developed system simulation laboratory for UG/PG students at NIT-T Production Engg.
- Developed exercises for modeling and simulation lab for B.Tech and M.Tech using softwares like Arena, Witness, Flexsim, GAMS and Simquick.
- FIST-coordinator for resource optimization domain- Purchased GAMS software,2009

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14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Investigations on e-waste flow assessment and collection strategies for a sustainable and economic e-waste value chain design in India	SERB	MAY 2016	-	Ongoing

15. Number of PhDs guided [04 ongoing]

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) **(Total number participated-25)**

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
June 2008	Workshop on Simulation Based Optimization	International	Participant	Univeristy of Skövde – Sweden	Sweden
Sep'07	Supply Chain Management	National	Participant	IIT-Kanpur	IIT-K, India
July 12	Introduction to Research methodology	Local	Participant	NIT-T	NIT-T

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17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor) **(Total number organized-08)**

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
GIAN Course on Quantitative models for SCM	National	June16-25,2016	Course co-ordinator	NIT_T
ENGINEERING OPTIMIZATION AND APPROACHES	National	<b>AUGUST 24 – 25, 2012</b>	Course co-ordinator	NIT_T

18. Invited Talks delivered **(total 15)**

Topic	Date	Inviting Organization
Quantitative models for SCM	June16-25,2016	GIAN course NIT-T
Models and methods for supply chain decisions	06/04/13	NIT-Calicut

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member )	Organization	Membership No. with date
Life member	ORSI	
Life member	ISTE	
Member	INFORMS	

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Singapore	June 28, 2013-July 05-2013	Visiting researcher –TLI-NUS and worked under Prof. Mark Goh
Singapore	February 26-28, 2012	International conference-ICMIE
Sweden	29 <sup>th</sup> June – July 3 <sup>rd</sup> , 2008	FAIM international conference

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21. Publications

(A) Refereed Research Journals: Total (16)

**Recent Publications;**

PrasannaVenkatesan, S., Goh, M., 2016. Multi-objective supplier selection and order allocation under disruption risk. *Transp. Res. Part E* 95, 124–142. doi:10.1016/j.tre.2016.09.005

Kavilal, E.G., PrasannaVenkatesan, S., Sowmyasri, Priyamvatha 2016, An integrated Fuzzy AHP and Fuzzy TOPSIS for Prioritizing Supply Chain Complexity Drivers, *International J. of Opers. and Quant. Management*, 2139-51

**Prasanna Venkatesan, S., Kumanan S.** Multi Objective Optimization for Supply Chain Sourcing Strategy Design under Risks using PSO and Simulation “**International Journal of Advanced Manufacturing and Technology**”, Vol.61, No. 1-4, 2012, pp.325-337.

**International/National Conference: Total (10)**

**(Recent)**

Kavilal, E.G., PrasannaVenkatesan, S., Harshkumar, Supply Chain Complexity: Challenges and Future Research Directions 5th International & 26th All India Manufacturing Technology, Design and Research Conference (AIMTDR 2014) December 12th–14th, 2014, IIT Guwahati, Assam, India.

Kavilal, E.G., PrasannaVenkatesan, S., Sowmyasri, Priyamvatha 2016, An integrated Fuzzy AHP and Fuzzy TOPSIS for Prioritizing Supply Chain Complexity Drivers, *Indian Institute of Science*, 2013

S.Prasanna Venkatesan K.R.Arun and Mano Kanthanathan “**Bottleneck Analysis In A Field Coil Manufacturing System Using Flexsim Simulation**” International Simulation Conference of India, 2013 at IITM RESEARCH PARK, Indian Institute of Technology Madras (21st – 23rd February, 2013).

**Prasanna Venkatesan, S.** and S. Kumanan Supply chain risk prioritization using a hybrid MCDM approach. In Proceedings of the International Conference on Manufacturing and Industrial Engineering (ICMIE), February 26-28, 2012, Singapore.