

National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty

Curriculum Vitae

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



I am a proud Indian and I am very passionate about teaching and doing research. This is why I switched my profession from corporate to academia. I enjoy interacting with students. I constantly explore ways to improve my lectures to make them interactive, enjoyable and effective. My course evaluation criteria are generally competitive and tough, pushing students to be more committed to the course. I do this to ensure that students not only learn to work in a competitive environment, but also get the opportunity to overcome obstacles and failures.

My research interest is in the areas of Operations Management, Applied Data Analytics, Industry 4.0 and Sustainable Environment Policies. Therefore, I primarily focus on application of data for solving business and social problems which results in both resource savings and economic benefits.

I strongly believe that self-belief can overcome any obstacle and my two most favorite quotes are the following

"Man is made by his belief. As he believes, so he is" - Bhagavad Gita (17:03)

"Nothing is impossible in life. Awake, arise and stop not till the goal is achieved" - Swami Vivekananda

1. Name:

Dr. Malolan Sundararaman

2. Designation:

Assistant Professor

3. Office Address:

MS-13, Dept. of Management Studies,
National Institute of Technology Tiruchirappalli,

National Institute of Technology, Tiruchirappalli:

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Tiruchirappalli – 620 015, India.

4. Telephone (Direct) (Optional):

5. Email (Primary):
malolan@nitt.edu

Email (Secondary) :
malo90two@gmail.com

6. Field(s) of Specialization:

Closed Loop Supply Chains: Return acquisition price modelling, Remanufacturing system design, Sustainable policies

Manufacturing 4.0: Performance monitoring & prescriptions

7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	NIT Trichy	13 th May 2020	Present
Senior Analyst	Ford Motor Company	1 st Oct 2018	11 th May 2020
Analyst	Ford Motor Company	16 th Aug 2017	31 st Sep 2018

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

Examination	Board / University	Year	Division/ Grade	Subjects
Doctor of Philosophy	Indian Institute of Science	2018		Operations Analytics
Master of Science (Engineering)	Indian Institute of Science	2018	7.0/ 8.0	Analytics and Operations
Bachelor of Engineering	Anna University	2012	Gold Medal	Mechanical Engineering

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Faculty Advisor – Quiz & Debating	Institution	12 th Aug 2022	Present

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Club			
PhD Admissions Committee	Department of Management Studies	1 st Jan 2021	30 th June 2021
MBA Admission Committee	Department of Management Studies	1 st Jan 2020	31 st July 2021
PhD Admissions Committee	Department of Management Studies	1 st July 2020	31 st Dec 2020
MBA Admission Committee	Department of Management Studies	1 st June 2020	31 st Dec 2020

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2021	Best Performer Award (Assistant Professor – Grade II)	National Institute of Technology Tiruchirappalli
2018	Asia Pacific Recognition Award	Ford India Pvt. Ltd.
2018	Spot Recognition Award	Ford India Pvt. Ltd.
2012	Gold Medal	University College of Engineering

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
2016	SAKURA Exchange Program in Science	Japan Science and Technology Agency	11 December 2016	18 December 2016
2014	Senior Research Fellowship	Ministry of Human Research Development	1 st Aug 2014	21 st July 2017
2012	Junior Research Fellowship	Ministry of Human Research Development	1 st Aug 2012	31 st July 2014

13. Details of Academic Work

(i) Curriculum Development

(ii) Courses taught at Postgraduate and Undergraduate levels

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Course	Program
MB 722 Production & Operations Management	MBA (Postgraduate level)
MB 875 Production Planning and Control	MBA (Postgraduate level)
MB 732 Supply Chain Management	MBA (Postgraduate level)
MB 825 Supply Chain Analytics	MBA (Postgraduate level)
PR 651 Data Analytics	M. Tech - IEM (Postgraduate level)
MBMI 14 Production and Operations Management	B. Tech (Undergraduate level)

(iii) Projects guided at the Postgraduate level

S. No	Student Roll Number	Project Title	Program
1	215119020	Marketing research for outsourcing credit operation service: TVS Credit Services Ltd.	MBA
2	215119027	Competitor analysis and keyword analysis for Frank Formula	MBA
3	215119051	Consumer perception toward hospitals in Kerala post Covid19 outbreak	MBA
4	215119086	Portfolio construction and optimization of mutual funds	MBA
5	215119100	Website keyword based possible customer identification and ranking: An RPA based web scraping approach	MBA
6	215120080	Total Quality Management (TQM) for internal customers during work from home	MBA
7	215120081	A study on identifying potential clients at BlitzJobs	MBA
8	215120082	Consumer behavior with life insurance products	MBA
9	215120083	Identifying possible business opportunities in the business support system	MBA
10	215120084	Ratio analysis and financial literacy survey at Alfa Laval India Private Limited	MBA
11	215120085	Value investing for Salasar Techno Engineering Ltd.	MBA
12	214220009	Backorder prediction using machine learning techniques	M. Tech (IEM)

(iv) Other contribution(s)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed

15. Number of PhDs guided/ongoing

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

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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
21 st Dec 2018	Session Chairman	International Conference	Session Chairman	Indian Institute of Science, Operational Research Society of India (Bangalore Chapter) and Data Centre & Analytics Lab	J. N. Tata Auditorium, Indian Institute of Science, Bangalore

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

18. Invited Talks delivered

Topic	Date	Inviting Organization
Machine's Language – Understanding it the Statistical Way	2 nd July 2019	Indian Institute of Information Technology Kancheepuram, India
Remanufacturing – Is it the Next Revolution for Manufacturing?	12 th Jan 2019	Ford India Pvt. Ltd.
Green Chemistry – A Sustainable Innovation	13 th Dec 2016	Toyohashi University of Technology, Toyohashi, Japan

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Ordinary member	Operational Research Society of India	1433/M/21/ML since 22 nd Dec 2022

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)
Malolan S., Mathirajan M. and Tiwari, M. K.	A Methodology for Determining the Optimal Reverse Flow Capacities and the Breakeven Period for a Multi Products– Component Remanufacturing Problem of an OEM	Operations Management Research	13	233-248	2020	
Sundararaman, M. and Muthu, M.	Component Remanufacturing – A New Prospective Business Approach for the Indian Automobile Sector	OPSEARCH	57	1244-1280	2020	
Malolan S. and Mathirajan M.	Inventory and Production Planning for Component Remanufacturing in an Original Equipment Manufacturer- Closed Loop Supply Chain	International Journal of Logistics Systems and Management	29	524-556	2018	

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
Malolan S. and Mathirajan M.	Developing Inventory and Production Plans for a Class of Component Remanufacturing Problems: A Mathematical Modelling	Springer, UK	2020	978-3-030-48876-5

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	Approach”, Sustainable Supply Chain Strategies, Issues and Models (Book Chapter)			
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