

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

Curriculum Vitae



Brief Profile: Dr. I. Jeyaraman received his Ph.D. degree in Mathematics from Indian Institute of Technology (IIT) Madras in July 2011. Then he was a Post Doctoral Fellow at Institute of Mathematical Sciences (IMSc), Chennai from August 2011 to July 2013. He was also selected for the National Board for Higher Mathematics (NBHM) Post Doctoral fellowship.

His topic of research is complementarity problems over symmetric cones which includes the standard, semidefinite and second order linear complementarity problems. He has published papers in internationally reputed journals.

Dr. I. Jeyaraman joined as an Assistant Professor in the Department of Mathematics, NIT Tiruchirappalli in June 2018. Before joining NIT Tiruchirappalli, he worked as an Assistant Professor at NIT Surathkal, Karnataka for 4 years and Alagappa Chettiar Government college of Engineering and Technology, Karaikudi for 1 year.

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2. Designation : Assistant Professor
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5. Email (Primary) : jeyaraman@nitt.edu
Email (Secondary) : jeyaraman.iitm@gmail.com
6. Field(s) of Specialization : Optimization – Complementarity Problems
7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	NIT Tiruchirappalli	12 - 06 - 2018	Till date
Assistant Professor	Alagappa Chettiar Government College of Engineering and Technology, Karaikudi	11 - 08 - 2017	11 - 06 - 2018
Assistant Professor	NIT Surathkal, Karnataka.	08 - 07 - 2013	09 - 08 - 2017

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	IIT Madras	2011	-	Mathematics
M.Phil.	Ayya Nadar Janaki Ammal College, Sivakasi(Madurai Kamaraj University)	2005	First	Mathematics
M. Sc.	Ayya Nadar Janaki Ammal College, Sivakasi(Madurai Kamaraj University)	2004	First	Mathematics
B.Sc.	Ayya Nadar Janaki Ammal College, Sivakasi(Madurai Kamaraj University)	2002	First	Mathematics
HSC (12 th Std)	SHNV Hr. Sec. School, Sivakasi (Tamil Nadu State Board)	1999	First	Maths,Physics, Chemistry,Biology
SSLC (10 th Std)	SHNV Hr. Sec. School, Sivakasi (Tamil Nadu State Board)	1997	First	Maths,Science. Social Science

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
-	-		

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)
2005	Junior Research Fellowship (JRF)	CSIR	July 2006	June 2008
2008	Senior Research Fellowship (SRF)	CSIR	July 2008	June 2011
2011	Post Doctoral Fellowship	IMSc, Chennai	August 2011	July 2013

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13. Details of Academic Work

(i) Curriculum Development –

(ii) Courses taught at Postgraduate and Undergraduate levels

- a) Engineering Mathematics – I
- b) Engineering Mathematics - II
- c) Operations Research
- d) Linear Algebra
- e) Discrete Mathematics
- f) Numerical Methods

(iii) Projects guided at Postgraduate level

At NIT Surathkal, Karnataka – MCA Dissertations – Internal Guide

Title	Student Name	Year
Supplier Web Panel	Kapil Kumar Gupta	2017
Project Setup and Lender Panel	Akash Shivhare	2017
Single Persona	Priya Tiwari	2017
PO2PAY	Neetu Rawat	2017
Swat	Kanchan Sundarani	2017
Openssh Gssapi Test Framework Development	Mayank Sharma	2016
Enhancement for Cloud Connectivity to SAP BWreader	Anshu Gupta	2016
Development Work for PowerKVM Adapter Coverage Tool	Chintoo Khandelwal	2016
Order Management System	Avnish Sharma	2016
Development of IOS Mobile Application for Ebooks, Emagazines, Enewspapers	Rahul Shakyawar	2015
Inventory App	Vishal Sharma	2015
Inventory Management	Kancham Surender	2015
Development of Mobile Value Added Service	Naresh Kumar Yadav	2015
Working with Edison Boards and External and Internal Portal for Intel Maker Lab	Sarnava Mukherjee	2015
Intranet Application of AMC Management System	Akanksha	2014
Interest Claim Creation Tool	Akanksha Kapoor	2014
Trade Matching Testing Tool	Kausar Neyaz	2014
Invoice Generation for LIMA	Venkatesh Vasudeva	2014
Test Cube	Dhirendra Kumar Pandey	2014

(iv) Other contribution(s) –

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14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ 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)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
Aug 19-24, 2012	21 st International symposium on Mathematical Programming	International	Participant and Paper Presenter	Mathematical Optimization Society	Technical University Berlin, Germany
Jan 3-7, 2012	International conference on Game Theory, Operations Research & their applications	International	Participant and Paper Presenter	ISI Chennai	ISI Chennai
Dec 27-30, 2009	75th Annual Conference of the Indian Mathematical Society	National	Participant and Paper Presenter	Indian Mathematical Society	Kalasalingam University, Krishnankoil
June 6-8, 2016	Game Theory & Optimization workshop	National	Speaker	IIT Madras & ISI Chennai	IIT Madras
July 4-23, 2016	Advanced Instructional School on Mathematical Programming	National	Speaker	Central University of Tamilnadu	Central University of Tamilnadu
Sep 24-25, 2016	Mini workshop on linear complementarity problem & generalizations	National	Participant and Speaker	IIT Madras & ISI Chennai	ISI Chennai
Nov 26-28, 2004	Workshop on Discrete Dynamical Systems	National	Participant	Hyderabad Central University	Hyderabad Central University

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Feb 19-23, 2007	Instructional Conference on Singular Value Decomposition and its applications	National	Participant	ISI Hyderabad	ISI Hyderabad
Dec 17-20, 2007	National Symposium on Applications of Statistics and Operations Research in Indian Industries	National	Participant	ISI Hyderabad	ISI Hyderabad
Sep 3-6, 2008	Research workshop in Optimization theory and Applications	National	Participant	IIT Kanpur	IIT Kanpur
Aug 19-27, 2010	The International Congress of Mathematicians (ICM)	National	Participant	International Mathematical Union	Hyderabad
Oct 11-15, 2010	National Meet of Research Scholars in Mathematical Sciences	National	Participant	IIT Madras	IIT Madras

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
The linear complementarity problems	22-09-2016	ERK Arts and Science College, Erumiyampatti.
Linear Complementarity problems	03-11-2016	NIT Surathkal, Karnataka.
An introduction to linear programming problems	14-03-2017	NGM College, Pollachi.

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life Member	Ramanujan Mathematical Society	Mem No: 1040
Life Member	Indian Mathematical Society	Mem No: L/2015/15

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20. Academic Foreign Visits

Country	Duration of Visit	Programme
Germany	August 19 – 24, 2012	Delivered a talk-21st International Symposium on Mathematical Programming

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year
I. Jeyaraman and V. Vetrivel	Jordan quadratic SSM-property and its relation to copositive linear transformations on Euclidean Jordan algebras	Linear Algebra and its Applications	433	390-400	2010
I. Jeyaraman and V. Vetrivel	On the Lipschitzian property in linear complementarity problems over symmetric cones	Linear Algebra and its Applications	435	842-851	2011
I. Jeyaraman, K.C.Sivakumar and V. Vetrivel	Stein Linear Programs over Symmetric Cones	Int. Game Theory Review	15	1340033 14pp	2013
J. Tao, I. Jeyaraman & G.Ravindran	More results on column sufficiency property in Euclidean Jordan algebras	Annals of Operations Research	243	229-243	2016
I. Jeyaraman and K.C.Sivakumar	Complementarity properties of singular M-matrices	Linear Algebra and its Applications	510	42-63	2016
I. Jeyaraman, Kavita Bisht and K.C.Sivakumar	Extension of P-property, R0-property and semidefinite linear complementarity problems	Yugoslav Journal of Operations Research	27	135-151	2017

(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
-	-	-		