

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

Assistant Professor	Sri Revana Siddeshwara Institute of Technology (SRSIT), Bengaluru	09/07/2012	13/07/2013
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8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
Doctor of Philosophy	NITK Surathkal	2019	1 st Class	Machinability Studies
M. Tech	NITK Surathkal	2012	1 st Class	Manufacturing Engineering
B. E.	SSIT Tumkur, (VTU)	2010	1 st Class	Industrial Engg and Management)

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
PhD/MS/QIP Admission Committee Member	Department level	2020	2022
Department Project evaluation committee member	Department level	2020	2022
PhD/MS/ICCR Admission Committee Member	Institution level	2022	To till date
NBA work committee member	Department level	2022	To till date

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

11. Awards, Associateships etc.

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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)
2010-2012	GATE scholarship during M.Tech	MHRD	June 2010	July 2012
2015-2019	Institute fellowship during PhD.	MHRD	June 2015	March 2019

13. Details of Academic Work

(i) Curriculum Development

(ii) Courses taught at Postgraduate and Undergraduate levels

Under Graduate Levels

1. Introduction to production Engineering
2. Engineering Graphics
3. Work design and Facility Planning
4. Industrial Engineering Lab
5. Manufacturing Technology-1 Lab

Post Graduate Levels

1. Advanced Operation Research
2. Operation Management Lab

(iii) Projects guided at Postgraduate level

1. Shubham Bhardwaj (214220026) "Manpower optimization using MOST study in the logistic center of an automobile company". (2022)
2. Vaibhav Gokul Kodape (214220029) "Analysis and Prediction of Warehouse Demand Using Historical Data with the Help of Machine Learning" (2022)
3. Vikas Jaiswal (214220031) "Logistics Improvement on Assembly Lines" (2022)

(iv) Other contribution(s)

Project guided undergraduate Level

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1. N. Murali Krishna (114117052), Ragavendar. S (114117068), Satheesh. S. D (114117078) "*Demand Forecasting and Optimization for A Crowd-Sourced Last-Mile Delivery Company – A Comparative Study*" **(2021)**.
2. K Sohith (114118042), Seedi Vinay (114118081), S Vinay (114118092), K Prasanth (114118049) "*Influence of Reinforcement of Filler in PETG on its Properties*" **(2022)**.

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
Mr Surjeet Singh Bedi (414120008)	Additive manufacturing	Supervisor	On going

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
March 10th-12th 2017	Conference	International	Paper presenter	International Conference on Emerging Trends in Materials and Manufacturing Engineering	NIT Tiruchirappalli, Tamilnadu India
Nov	Conference	International	Paper	International	IIT

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30th- Dec 2nd 2017			presenter	Conference on Advances in Materials &Processing: Challenges & Opportunities	Roorkee, India
Jan 29th to 31st Jan - 2018	Conference	Internationa l	Paper presenter	Advances in International Conference on Design, Materials & Manufacture	NITK Surathkal, India.
March 13th - 15th 2019	Symposiu m	Internationa l	Paper presenter	8th International Engineering Symposium	Kumamoto University , Japn

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
One day Workshop on JMP Software	Local (Department Level)	27 th January 2022	Co-Ordinator	NIT Trichy (Virtual Mode)

18. Invited Talks delivered

Topic	Date	Inviting Organization
Machinability Studies: EN 47 Spring Steel	01/06/2020	Ballari Institute of Technology & Management, Ballari Karnataka
Machinability Studies on EN 47 Spring Steel	09/07/2020	Sri M Visvesvaraya Institute of Technology, Bengaluru Karnataka
Machinability studies using optimization technique	09/06/2021	RNS Institute of Technology, Bengaluru Karnataka
"Next generation of Adopting	14/07/2021	Marian Engineering College,

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manufacturing System		Thiruvananthapuram, Kerala
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19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Associate Member	The Institution of Engineers (India)	AM1953969 Date: 03/09/2020

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Japan, Kumamoto University	March 13th -15th 2019	8th International Engineering Symposium

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Vasu M, H Shivananda Nayaka,	Investigation of machinability characteristics on EN47 steel for cutting force and tool wear using optimization technique	Material Research Express	5	066501	2018	SCIE 1.15
Vasu M, H Shivananda Nayaka	Comparative study of coated and uncoated tool inserts with dry machining of EN47 steel using Taguchi L ₉ optimization	AIP Conference Proceedings	1943	020063	2018	Scopus

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	technique					
Vasu M, H Shivananda Nayaka	Investigation of Cutting Force Tool Tip Temperature and Surface Roughness during Dry Machining of Spring Steel	Materials Today: Proceedings	5.2	7141-7149	2018	Scopus
Vasu M, H Shivananda Nayaka	Comparative study of turning process on EN47 spring steel with different nose radii using statistical technique	Materials Today: Proceedings	Vol 5, Issue 9, Part 1	P 16893-16903	2018	Scopus
Vasu M, H Shivananda Nayaka	Turning process on EN47 spring steel with different tool nose radii using OFAT approach	Advances in Modelling and Analysis A	Vol. 55, No. 2	P 43-46	2018	MIAR Google Scholar CrossRef Portico CNKI Scholar
Vasu M, Shivananda Nayaka H, Pradeep V Badiger, Vinyas M	Machinability studies on EN47 spring steel by optimization technique during dry and wet condition	IJMMT	Vol. XI, No. 2	ISSN 2067–3604	2019	Scopus

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Vasu M, Shivananda Nayaka H	Investigation of Cutting Force Tool	International Conference on Emerging	7141-7149		NIT Tiruchirappalli	March 10th-12th

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	Tip Temperature and Surface Roughness during Dry Machining of Spring Steel	Trends in Materials and Manufacturing Engineering				2017
Vasu M, Shivananda Nayaka H	Comparative study of turning process on EN47 spring steel with different nose radii using statistical technique	International Conference on Advances in Materials & Processing: Challenges & Opportunities	16893-16903		IIT Roorkee	Nov 30th- Dec 2nd 2017
Vasu M, Shivananda Nayaka H	Comparative Study of Coated and Uncoated Tool Inserts with Dry Machining of EN47 Steel Using Taguchi L ₉ Optimization Technique	Advances in International Conference on Design, Materials & Manufacture	1943, 020063		NITK Surathkal	Jan 29th to 31st Jan - 2018
H Shivananda Nayaka and Vasu M	Turning process on EN47 spring steel with different tool nose radii using OFAT approach	7th International Engineering Symposium	P 43-46		Kumamoto University, Japan	March 7th - 9th (2018)
Vasu M, Shivananda Nayaka H	Machinability Studies on EN47 Spring Steel by Optimization Technique	8th International Engineering Symposium	ISSN 2067-3604		Kumamoto University, Japan	March 13th - 15th (2019)

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	During Dry and Wet Condition					
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(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
Athul Joseph, Vinyas Mahesh, Vishwas Mahesh, Dineshkumar Harursampath, Vasu Mallesha	Role of 3D Printing in the Fabrication of Composite Sandwich Structures	Taylor and Francis Group	2022	9781003143031