

Curriculum Vitae

Dr.T S R V PADMALATHA
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Research Registration IDs:

Sl. No	Particulars	Registration Number
1.	Google Scholar ID & Citations, H-Index, I-10 and I-20 Index	bUb6zeAAAAAJ; 08, 01
2.	Scopus ID	57210827367
3.	Web of Science	LZH-6966-2025
4.	INFLIBNET-VIDWAN ID	594577
5.	ORCID	0009-0009-4523-3186

Education:

Program	Institution	Year of Passing	Percentage of marks obtained
PhD	IIT, Madras	2020	9.5(CGPA)
M.Tech(Production Engg.)	Sri Venkateswara University	2006	74.5%
B.Tech(Mechanical)	JNTU	2000	75%
Intermediate	B.I.E, Andhra pradesh	1995	88%
High School/ Metric	I.C.S.E	1993	76%

Degree	PhD Title	Date and year of award	University
PhD	WORKABILITY AND HOT DEFORMATION BEHAVIOUR OF METASTABLE BETA TITANIUM ALLOYS Ti 5553 AND Ti 5373	21 August,2020	IIT,Madras

Work Experience:

Designation	Department	Date of actual joining		Grade pay
		From	To	
Associate Professor	Mechanical Engineering	28-06-2020	Till date	AGP 9000/-
Assistant Professor	Mechanical Engineering	28-06-2007	28-06-2020	AGP.6000/- to 8000/-
Assistant Executive Engg	Irrigation & CAD Dept, AP Govt	7/7/2005	27/6/2007	9,520/- Basic Pay
Lecturer(contract)	N.I.T Warangal	2/8/2004	30/5/2005	8000/- consolidated
Graduate Apprentice	BDL, Hyderabad	3/6/2002	3/9/2002	2,500/- consolidated

Research Fellowship:

S.No	Name of the Fellowship	Funded by Organization	Year
1	Gate Scholarship	AICTE	2002
2	QIP Fellowship	AICTE	2013-2016

1.	Number of Publications :	09 (List Enclosed)
2.	Number of M.E. Projects Guided :	35 completed
3	Number of Ph.D students :	02 (ongoing)
3.	Research Projects :	01

PI& Co-PI	Name of the Project	Funding Agency	Project	Amount
Prof.K.Saraswathamma & Dr TSRV Padmalatha	CARS Project on “Simulated and Experimental Investigation of Stretch forming of AA 2014 Aluminium alloy”	Advanced Systems laboratory, Defense Research & Development Organization, Hyderabad	CARS Project	Rs 9.98 lakhs

Courses taught at PG and UG :

U.G.Theory

Operations Research
Manufacturing Processes
Production Drawing
Machine Drawing
Metrology and Instrumentation

U.G. Laboratory

Metallurgy Lab
Work Shop Practice
Manufacturing Processes lab
Metrology and Machine tools lab

P.G.Theory

Advanced casting and Joining processes
Experimental Techniques and Data Analysis
Operations Research
Material Science and Technology
Advanced Metrology

P.G. Laboratory

Manufacturing Simulation lab
Production Engineering Lab
Seminar

Awards/Honours:

Awards

Awarded Silver medal with Elite certification from NPTEL for the course "Principles of Casting Technology" held during Jan-Mar 2019.

Honours

Selected as Subject expert by AP Public Service Commission for the selection of Asst. Motor Vehicle Inspector for APPSC on Feb 13 - 18th ,2012.

Corporate/Administrative Experience:

- 1.Member, Departmental Research Committee, Department of Mechanical Engineering, UCE, OU-till date
- 2.Member, Departmental Committee, Department of Mechanical Engineering, UCE, OU- till date
- 3.Faculty Adviser, M.E. (Mechatronics Engineering) (2021–till date)
- 4.Automobile Lab Incharge, Osmania University (2020- 2023)
- 5.Coordinator of Abid Ali Endowment lecture,UCE,OU -2023
- 6.Admission committee member for Ph.D(QIP)2022
- 7.Department Convener for M.E PTPG Admissions 2021
- 8.Department Incharge for B.E class tests, M.E class tests and M.E End Semester Exams from the year 2009 to 2016 and from the year 2018 to 2020.
- 9.Session Incharge- BE Induction Programme 2018-19
- 10.Member in NBA UG activities and NBA PG Production Programme activities.
- 11.BOS member in Subject revision for BE and ME courses 2021-22
- 12.Convener for Organizing ATAL FDP on "Novel Materials" 2021-22
- 13.Faculty advisor for Department student women cell from the year 2021
- 14.Organizing committee member for various National/International conferences, seminars and workshops organised by Mechanical Dept., University college of Engg.
- 15.Examiner, Project Works and Practical Examinations for Osmania-affiliated Colleges, OU, Hyderabad

16. In charge for technical charts purchase for all laboratories of mechanical department.
17. Subject Expert, Selection of Assistant Motor Vehicle Inspector for APPSC (2012)

List of Publications:

1. **Padmalatha, T. S. R. V.**, Nagaveni, T., Saraswathamma, K., Dinesh Kumar Reddy, T., & Ravali, O. (2022, November). Optimization of die sink EDM process parameters for the titanium alloys Ti6Al4V & Ti5553. In *AIP Conference Proceedings* (Vol. 2648, No. 1, p. 030021). . In *American Institute of Physics Conference Series*
2. **Padmalatha TSRV** and Uday Chakkingal(2019). The Effect of Heat Treatment and the Volume Fraction of the Alpha Phase on the Workability of Ti-5Al-5Mo-5V-3Cr Alloy, *Journal of Material Engineering and Performance*, 28(1):5352-5360
3. Thallapalli Nagaveni., Balne V.K.G., **Padmalatha T.S.R.V.** (2020) "Modelling of Surface Roughness and Tool Wear Rate During Turning of AISI 202 Stainless Steel" International Conference on Emerging Trends in Engineering (ICETE). Learning and Analytics in Intelligent Systems, vol 2. (pp748-756) Springer, Cham.
https://doi.org/10.1007/978-3-030-24314-2_88.
4. Vishnu Pramod Teja G., Saraswathamma K., **Padmalatha T.S.R.V.** (2020) Machining Characteristics of Electro Discharge Machining on NIMONIC 80A by Response Surface Methodology. In: Satapathy S., Raju K., Molugaram K., Krishnaiah A., Tsihrantzis G. (eds) International Conference on Emerging Trends in Engineering (ICETE). Learning and Analytics in Intelligent Systems, vol 2. Springer, Cham.
https://doi.org/10.1007/978-3-030-24314-2_76
5. **TSRV Padmalatha**, Madhavi J, K Saraswathamma, "Influence of Process Parameters of Surface Grinding on Maraging Steel" *International Journal of Materials Science*, Vol.12, Issue No.1 (2017), 127-135
6. **TSRV Padmalatha**, T Nagaveni, K Saraswathamma, "Optimization of Process Parameters for CNC EDM on OHNS tool steel using Desirability Function", *International Journal of Engineering Science and Technology*, Vol. 9 , Issue No.03 (2017), 145-151

7. **TSRV Padmalatha**, T Nagaveni, K Chandravathi, K Saraswathamma, "Multi objective optimization Of micro-EDM drilling on Maraging steel by Genetic Algorithm" International Journal of Engineering Science and Technology, Vol. 9 , Issue No.03 (2017), 133-144
8. T.Nagaveni*, B.Laxmi, **TSRV Padmalatha**, K.Saraswathamma,(2017) "Influence of tool geometry and process parameters on performance characteristics of EN-19 steel in sink type EDM using Taguchi method", International Journal of Engineering Science and Technology,9(5)
9. K Saraswathamma, **TSRV Padmalatha** "Model for the prediction of surface finish in Ball End Magnetorheological finishing process", International Journal of Engineering and Technology, Vol 9 No 3 Jun-Jul 2017

Conference Presentations:

1. **Dr.TSRV Padmalatha** presented paper titled "Optimization of Friction Stir Spot Welding Process Parameters using Taguchi Method" at AMENT 2024, Osmania University, Hyderabad.
2. **Dr.TSRV Padmalatha** presented paper titled "Optimization of process parameters in injection molding of bell housing component"" at AMENT 2024, Osmania University, Hyderabad.
3. **Dr.TSRV Padmalatha** presented paper titled " Optimization of die sink EDM process parameters for the titanium alloys Ti6Al4V & Ti5553" at ICAMS 2021, Vardhaman College of Engineering, Hyderabad.
4. **Dr.TSRV Padmalatha** presented Paper titled "workability of a metastable beta Titanium alloy Ti-5553" at International conference ICAMM 2016, Hyderabad.

Trainings and Other Programs Attended

Orientation/Refresher Courses

Name of the Course	Academic Staff College / University	Duration	Sponsoring Agency
Orientation Course	Academic Staff College, O.U, Hyderabad	2 weeks 2 -12, July 2007	UGC
Mission 10X	UCE, OU & WIPRO Industries	One Week 11-15th Feb, 2008	TEQIP
Two week Staff Development program	CIPET, Hyd	Two Week 19th to 30th Nov, 2007	AICTE

One week Short Term Training Programme on RPT & e- Manufacturing	MED,UCE,OU	One Week 23-28, March, 2009	TEQIP
One week Short Term Training Programme on MECHATRONICS	MGIT,Hyd	One Week 12th -16th July, 2010	TEQIP
Faculty Development Programme in Entrepreneurship	EDC,OU	2 Weeks, 13-25th Feb, 2017	NDTEDB,DST New Delhi

Seminars/Workshops/Conferences/Training Attended:

Name of the course	Organized by	Duration
Short term course on “Training on CNC Machining: Tools and Techniques”	MED, OUCE,Osmania University	12th Feb 2013
Three day workshop on Metrology GD & T Y 14.5	MED, OUCE,Osmania University	21st to 23rd March 2013
Short course on “Reverse Engineering based Manufacturing”	MED, OUCE,Osmania University	24-28th June 2013
Participated in “Extra Mural Lectures”	IIT Madras,Chennai	Total 20 lectures in 2013-2014
Participated in “ International symposium for research scholars” ISRS 2014	IIT Madras, Chennai	11-13th Dec 2014
Participated in “Extra Mural Lectures”	IIT Madras,Chennai	Total 20 lectures in 2014-2015
Participated in “ In House Symposium” IHS2016	MME, IIT Madras, Chennai	27-28 th Jan 2016
One Day workshop on “Women for Excellence”	OUCE, Osmania University	9 th March 2016
Participated in “Extra Mural Lectures”	IIT Madras,Chennai	Total 20 lectures in 2015-2016

Two day Workshop on Advanced Welding Techniques	MED, OUCE,Osmania University	21-22 nd Oct 2016
Oneday workshop on “Outcome base Education & Accreditation”	University College of Engineering, Osmania University	18 th Dec 2016
Workshop on ‘Teaching Learning and Assessment Methodologies	OUCE,Osmania University	13-14 th Dec 2016
International Conference on Advances in materials and Manufacturing	Department of Mechanical Engineering, University College of Engineering, Osmania University & DRDO,GOI,Hyd	8-10 th Dec, 2016
Participated in “ International symposium for research scholars” ISRS 2016	IIT Madras, Chennai	21- 23 rd Dec 2016
Training on Micrometer & Scanning box usage For wind tunnel	MED, OUCE,Osmania University	27-28 th Dec 2016
One day seminar on “Recent trends in Production Engg”	MED, OUCE,Osmania University	18 th Jan 2017
Two week Faculty Development Programme in Entrepreneurship	Entrepreneurship Development Cell, Osmania University, Hyderabad	13-25 th Feb, 2017
Oneday workshop on “Women for Excellence-2017”	University College of Engineering, Osmania University	08 th March 2017
GIAN Course on “Process analysis and Metrology”	IIT Madras,Chennai	13-27 th March 2017
Two week GIAN course on “Continuum mechanics of dislocations leading to plasticity”	Department of Mechanical Engineering, IIT, Madras, Chennai.	18-12-2017 - 29-12-2017
One day Induction program under TEQIP III.	University College of Engineering, Osmania University Hyderabad	20-01-2018
Two day national conference on Advances in mechanical Engg and nanotechnology	Department of mechanical Engg, University College of Engineering, Osmania University Hyderabad	29-30 , june 2018
A two day workshop on AutoCAD	Department of mechanical Engg, University College of Engineering, Osmania University Hyderabad	23- 24 Feb, 2019

A two day workshop on “Leadership & Research challenges for Professional Women”	Department of Electrical Engineering, University College of Technology, Osmania University Hyderabad	4-5 January 2019
<i>International Conference on Emerging Trends in Engineering</i>	University College of Engineering, Osmania University	22 nd & 23 rd March 2019
NPTEL course on "Principles of Casting Technology"	NPTEL, AICTE Faculty Development Programme, Government of India	Jan - Mar 2019. 8 weeks course
One week GIAN course on “Advances in Additive and Digital Manufacturing”	Department of Mechanical Engg, University College of Engineering, Osmania University, Hyderabad	25 th to 29 th March 2019
Attended two day training program from 19-20, Nov 2019 on automatic Grinding/Polishing machine	Department of Mechanical Engg, University College of Engineering, Osmania University, Hyderabad	Nov 19-20, 2019.
Attended two day training program on Python Programming	Department of Mechanical Engg, University College of Engineering, Osmania University, Hyderabad	Dec 02-03, 2020
online one week faculty development program on “Implementation of Multi-objective Optimization Algorithm (NSGA - II) using MATLAB”	Department of Electrical Engineering, Rajarambapu Institute of Technology, RajaRamnagar	29 June-03 July ,2020.
one week online Faculty Development Program on “Enhancing Research and Consultancy skills”	Department of Mechanical Engineering, Rajarambapu Institute of Technology, RajaRamnagar	June 22 -26, 2020
one week International faculty development programme online on “Role of materials processing additive manufacturing: 3D to printing to industry- 2020”	Mechanical Engineering Department, GLA University, Mathura in Association with Indian Institute of Metals, Mathura chapter	19-24 July, 2020.
one week National online faculty development programme on “Advanced welding Technologies”	Department of Mechanical Engineering, Faculty of Engineering and Technology, Jain University, Bangalore	August 04-08, 2020.

Participated in 3day workshop on "outcome based education and NBA accreditation".	University College of Engineering, Osmania University, Hyderabad	August 12-14,2020
Participated in one week AICTE ATAL FDP on "SM-ROAD"	Department of Mechanical Engg,University College of Engineering, Osmania University, Hyderabad	Sept 7-11,2020
One week national online workshop on "modelling and simulation in design and manufacturing"	Department of Mechanical Engg,Maulana Azad National Institute of Technology,Bhopal.	Oct 5-9, 2020
Participated in one week AICTE ATAL FDP on "3D printing and design"	Department of Mechanical Engg,University College of Engineering, Osmania University, Hyderabad	Nov 2-6,2020
Attended two day training program on Python Programming	Department of Mechanical Engg,University College of Engineering, Osmania University, Hyderabad	Dec 02-03,2020
online one week faculty development program on ""Implementation of Multi-objective Optimization Algorithm (NSGA - II) usingMATLAB"	Department of Electrical Engineering, Rajarambapu Institute of Technology, RajaRamnagar	29June-03 July ,2020.
one week online Faculty Development Program on "Enhancing Research and Consultancy skills"	Department of Mechanical Engineering, Rajarambapu Institute of Technology, RajaRamnagar	June 22 -26,2020
one week International faculty development programme online on "Role of materials processing additive manufacturing: 3D to printing to industry- 2020"	Mechanical Engineering Department,GLA University, Mathura in Association with Indian Institute of Metals, Mathura chapter	19-24 july,2020.
one week National online faculty development programme on "Advanced welding Technologies"	Department of Mechanical Engineering, Faculty of Engineering and Technology, Jain University, Bangalore	August 04-08,2020.
Participated in 3day workshop on "outcome based education and NBA accreditation".	University College of Engineering, Osmania University, Hyderabad	August 12-14,2020

Participated in one week AICTE ATAL FDP on "SM-ROAD"	Department of Mechanical Engg, University College of Engineering, Osmania University, Hyderabad	Sept 7-11, 2020
One week national online workshop on "modelling and simulation in design and manufacturing"	Department of Mechanical Engg, Maulana Azad National Institute of Technology, Bhopal.	Oct 5-9, 2020
Participated in one week AICTE ATAL FDP on "3D printing and design"	Department of Mechanical Engg, University College of Engineering, Osmania University, Hyderabad	Nov 2-6, 2020
Participated in one week AICTE ATAL FDP on "Augmented Reality (AR)/ Virtual Reality (VR)"	Sardar Vallabhbhai National Institute of Technology Surat	Jan 18-22, 2021
Participated in one week AICTE ATAL FDP on "Design and Manufacturing"	Pillai College of Engineering	Feb 15-19, 2021
Short Term Course on Recent Advances in Manufacturing and Technology	IIT, Guwahati	22nd to 26th February, 2021
Short Term Course (online) on "Corrosion failure and protection of Engineering Materials"	IIT, Kanpur	1-6 March 2021
e-workshop on "Condition Monitoring and Industrial Automation (CMIA-2021)"	National Institute of Technology Hamirpur (H. P.)	March 22nd - 26th, 2021.
Women's day	IEEE & Department of Electrical Engineering, Osmania University	March 2022
Workshop on "Women Enclave- A Meetup of Women Professionals"	IEEE & Department of Electrical Engineering, Osmania University	17 March 2023
"Quality Assurance and Faculty Preparation for NAAC Accreditation of Osmania University"	Internal Quality Assurance Cell (IQAC), Osmania University.	27-28 February 2024
2nd National Conference on Advances in Mechanical Engineering & Nano Technology (AMENT 2024)	Department of Mechanical Engineering, University College of Engineering, Osmania University	23-24 August 2024
5-Day Faculty Development Programme (FDP)	School of Mechanical Engineering (SMEC), VIT-AP University, Amaravati	29th April to 3rd May, 2025

Guest Lectures delivered:

- 1) Dr.T.S.R.V Padmatha delivered a guest lecture in an AICTE Faculty Development Program on “Innovations and Research challenges in advanced materials processing and characterization” held at Nalla Malla Ressa Engineering College from 21 to 04 March 2022

- 2) Dr.T.S.R.V Padmatha delivered a guest lecture in an AICTE Faculty Development Program on “Novel Materials” held at University college of Engineering, Osmania University from 22 to 26 November 2021

(Dr.TSRV Padmalatha)