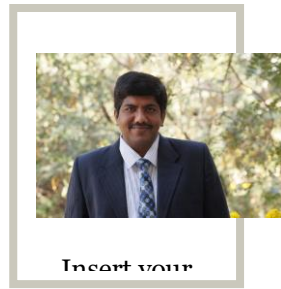


Dr. PVS Lakshminarayana

Assistant Professor



Education Qualifications: Doctor of Philosophy (Materials Engineering)
Specialization: Materials Engineering

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EXPERIENCE - 15 Years

- Teaching - 17
- Research -7
- Industry -2
- Others –

SUMMARY:

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- Books – 0
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- Attended - 22

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- <https://www.linkedin.com/company/mgithyderabad>
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Membership of Professional Bodies:

1. Life Membership of Red Cross Society
2. Life membership of Indian Institute of Metals, Calcutta
3. Life Membership of Electron Microscope Society of India (EMSI)
4. Life Membership of Powder Metallurgy Association of India
5. Life Membership of Society for Fracture Analysis

Responsibilities Held at Institution Level:

1. Assistant Training and Placement Officer, MGIT
2. Vice-President – MGIT Alumni Association
3. Faculty In-charge – Music Club, MGIT
4. Member - Ranking and Accreditation Cell Committee
5. Member - A Department of MME, MGIT Alumni Association
6. Member – Internal Complaints Committee
7. Member Convenor – SC/ST Committee
8. Coordinator – Dept. of MME – Learning Outcome based Curriculum Framework for undergraduate Education.

Responsibilities Held at Department Level:

1. Member of BoS Committee (for autonomous), Department of MME
2. Member – NBA Documentation Committee
3. Member- NAAC Documentation Committee
4. Coordinator – Cross verification of Plagiarism through “Turnitin”
5. Time-Table In-charge – Department of MME
6. Placement Coordinator – Department of MME
7. Member of Board of Studies for Dept. of MME appointed by JNTUH, Hyderabad for the year of 2013 and 2016.

Honors/Awards Received:

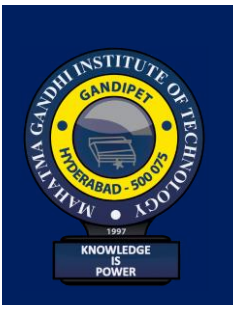
1. James Clerk Maxwell Writers Prize , as highly commended article for the year 2014 for the paper Sreedevi Varama, P.V.S.L. Narayana, Muvva D. Prasad, D. Chakravarty, Koteswararao V. Rajulapatia & K. Bhanu Sankara Rao, Strain rate Sensitivity of Bulk Multiphase nanocrystalline Al-W based alloy, Philosophical Magazine Letters · September 2014, DOI: 10.1080/09500839.2014.948522

Courses Handled at Under Graduate /Post Graduate Level:

UG: Environmental Degradation of Materials; Electrometallurgy and Corrosion Engineering; Principles of Extractive Metallurgy; Ferrous and Non-Ferrous Extractive Metallurgy; Nuclear Materials, Composite Materials, Furnace Technology and Refractories

Publications:

1. Lakshminarayana P.V.S., Gautam J.P., Mastanaiah P., Madhusudan Reddy G., Bhanu Sankara Rao K. (2022) Laser Beam Welding of Advanced High-Strength Steels (Dual Phase Steels). In: Natarajan S.K., Prakash R., Sankaranarayanan K. (eds) Recent Advances in Manufacturing, Automation, Design and Energy Technologies. Lecture Notes in Mechanical

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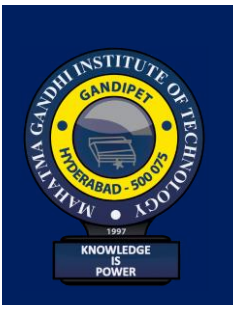
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- <https://www.linkedin.com/company/mgithyderabad>
- <https://twitter.com/MGIThyderabad>

Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-16-4222-7_16

2. Detonation Gun Spray Coatings on martensitic stainless steels by J. Jhansi, S. Santhi, P. V. S. Lakshmi Narayana, and Bhomik Ketari Deogade In: Natarajan S.K., Prakash R., Sankaranarayanan K. (eds) Recent Advances in Manufacturing, Automation, Design and Energy Technologies. Lecture Notes in Mechanical Engineering. Springer, Singapore.
3. Effect of Process Parameters on Filling Ability of Eutectic Al-Si Alloy, Samavedam Santhi*, J Jhansi and PVSL Narayana, Indian Foundry Journal, Vol. 68, Issue 2, Feb 2022
4. P V S Lakshminarayana, Jai Prakash Gautam, P. Mastanaiah, G. Madhusudan Reddy, K Bhanu Sankara Rao, “Study of Weld Geometry, Microstructure, and Hardness of Fibre Laser Welded Dual Phase Steel”, Indian Welding Journal, Volume 52 No. 4, October 2019; DOI : 10.22486/iwj/2019/v52/i4/186785
5. P V S Lakshminarayana, Jai Prakash Gautam, P. Mastanaiah, G. Madhusudan Reddy, K Bhanu Sankara Rao, “Evolution of Microstructural and Mechanical Properties of Fiber Laser Welded Dual Phase Steels”, Defect and Diffusion Forum; ISSN: 1662-9507, Vol. 391, pp 128-135. DOI: 10.4028/www.scientific.net/DDF.391.128 © 2019 Trans Tech publications, Switzerland; Online: 2019-02-28
6. P V S Lakshminarayana, Jai Prakash Gautam, P. Mastanaiah, G. Madhusudan Reddy, K Bhanu Sankara Rao, “Influence of Beam Power and Traverse Speed in Fibre Laser welding of Dual phase steel (590) on Depth of weld zone penetration, Microstructure and Hardness”, Materials Today: Proceedings 5 (2018) 17132–17138.
7. Sreedevi Varama, P.V.S.L. Narayana, Muvva D. Prasad, D. Chakravarty, Koteswararao V. Rajulapatia & K. Bhanu Sankara Rao, Strain rate Sensitivity of Bulk Multiphase nanocrystalline Al-W based alloy, Philosophical Magazine Letters · September 2014, DOI: 10.1080/09500839.2014.948522

Conferences:

1. Oral Presentation on “Structure Property Evaluation of Laser Welded Dual Phase Steel” in National Seminar on Welding Science & Technology (NSWEST 2021) organized by The Indian Institute of Welding, Chennai Chapter during July 23-24, 2021
2. Oran Presentation on “Laser Beam Welding of Advanced High Strength Steels (Dual Phase Steels)” in 1st International Conference on Future technologies in Manufacturing, Automation, Design, and Energy organized by NIT Puducherry during Dec 28-30, 2020.
3. Oral Presentation on “Microstructural and Hardness Variation in Post Weld Heat Treated Fiber Laser Welded Dual Phase Steels” in National Online Conference on “Research and Development in Material Processing, modelling, and Characterization 2020 organized by NIT, Jamshedpur during August 26-27, 2020.
4. Poster Presentation on “Aligning and Stitching 3D image slices using Matlab” in 3rd National Conference on Recent Advances in Science and Technology



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organized by Assam Science and Technology University, Assam during August 17-19, 2020

5. Oral Presentation on “Advanced manufacturing techniques of Dual Phase Steels for automotive applications” in National seminar on Advances in Metallurgy and Manufacturing Process organized by Institution of Engineers during July 13-14, 2018
6. Poster on “Evolution of Microstructural and Mechanical Properties of Fiber Laser Welded Dual Phase Steels” in 14th International Conference on Diffusion in Solids and Liquids - DSL2018, Defects and Diffusion Forum during June 25-29, 2018.
7. Oral Presentation on “Study of Weld Geometry, Microstructure, and Hardness of Fiber laser welded Dual Phase Steel” in International Congress 2017 organized by IIW Chennai during December 07-09, 2017.
8. Ora Presentation on “Influence of Beam Power and Traverse Speed in Fiber Laser Welding of Dual Phase Steel (590) on depth of weld zone penetration, Microstructure and Hardness” in International Conference on” Advances in Materials and Processing: Challenges and Opportunities” (AMPCO '17) organized by IIT, Rookee during Nov 30 to Dec 02, 2017.
9. Oral Presentation on **Effect of Lime coating of Iron ore on Iron production** in International Conference on *Mineral processing organized by RRL –Bhuvaneswar* during Dec 11-13, 2013
10. Oral Presentation on “*Fabrication and Mechanical Properties of Aluminium Based Bulk Nanocomposites*” in Proceedings of Innovation in Chemical Engineering, 2013 ISBN: 978-81-7800-329-0 during NOV 15-16, 2013.
11. Oral Presentation on Processing and Mechanical Behavior of Nanostructured Bulk Aluminium based alloys in National Metallurgical Day-Annual Technical Meet Organized by Indian Institute of Metals, NOV. 13-16, 2012

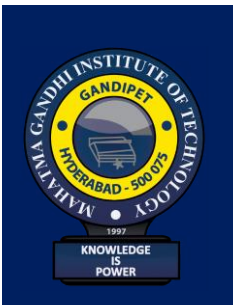
Patents:

SAMAVEDAM, Santhi, DHARWADA, Hanumantha Rao, PUTRAVU, VSL Narayana, UPENDRAM, S Jyothi, KOLUKULURI, Srinivasa Vadayar, VAKADA, Satya Suresh Venkata NagaTwo “METHOD OF QUANTIFICATION OF FILLING ABILITY DISTANCE OBTAINED FROM CASTING SIMULATIONS USING VIRTUAL CASTING SOFTWARE” published on 24/06/2022

Events Organized:

Conferences:

1. Co-convenor for one day National Seminar on Advances in Metallurgical and Materials Engineering organized by the Department of MME, MGIT and IIM Student Affiliated Chapter, MGIT during March 04, 2020.
2. Organizing Committee Member for one day National Seminar on Advances in Materials and Manufacturing Technologies organized by the Department of MME, MGIT and IIM Student Affiliated Chapter, MGIT during March 04 and March 11-12, 2019.
3. Organizing Committee Member for one day National Seminar on Advances in Materials and Manufacturing Technologies organized by the Department of MME, MGIT and IIM Student Affiliated Chapter, MGIT during Feb 19, 2018.

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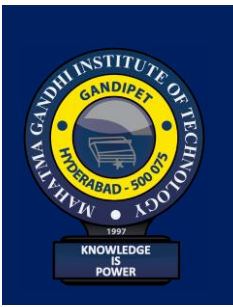
4. Organizing Committee Member for one day National Seminar on Materials and Manufacturing Technologies organized by the Department of MME, MGIT and IIM Student Affiliated Chapter, MGIT during Feb 07, 2017.
5. Convenor for one day National Seminar on Advanced Steels for Strategic Applications organized by the Department of MME, MGIT and IIM Student Affiliated Chapter, MGIT during December 30-31, 2015.
6. Organizing Committee Member for one day National Seminar on Perspectives in Metallurgical and Materials Engineering organized by the Department of MME, MGIT and IIM Student Affiliated Chapter, MGIT during December 23, 2013.
7. Member-Secretary for 3-Day International Conference on “Frontiers of Metallurgical and Materials Engineering” organized by the Department of MME in association with DMRL, Hyderabad, Midhani, Hyd. ARCI, Hyd., IIM Hyderabad Chapter.

FDPs/STTPs:

1. Convenor of One Week FDP on “Functional Materials: Processing and Technologies (FMPA 2020)” organized by Department of the Metallurgical and Materials Engineering, MGIT in association with IIM, Hyderabad chapter during August 03-08, 2020.
2. Treasurer for One Week short course on Powder Metallurgy organized by Department of MME, MGIT in Association with Powder Metallurgy Association of India (PMAI) during December 18-22, 2012.
3. Organizing Committee member for One Week Winter School on Advances in Aeronautical Materials and Technologies organized by Department of MME, MGIT in Association with RCMA (Mat.), CEMILAC during December 15-19, 2010.

Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:

1. The Department of Metallurgical and Materials Engineering, MGIT and ISNT Hyderabad Chapter during October 09-10, 2021.
2. 3-Day National Webinar on “Secondary Melting and Processing Technologies” organized by the Department of Metallurgical and Materials Engineering, MGIT in association with IIM, Hyderabad chapter during July 23-25, 2020
3. One-Day National Webinar on “Career Opportunities and Prospects in Metallurgical and Materials Engineering” organized by the Department of Metallurgical and Materials Engineering in association with IIM, Hyderabad chapter during October 04, 2020
4. Two-Day National Webinar on “Metallurgy for Non-metallurgists” organized by the Department of Metallurgical and Materials Engineering in association with IIM, Hyderabad chapter during January 29-31, 2015.
5. Attended Two day National Workshop on Orientation Microscopy in SEM and TEM held at Defence Metallurgical Research Laboratory during Nov 5-6, 2015
6. One Day workshop on Thermal Spray Coating Technologies organized by ARCI, Hyderabad during Sept 23-27, 2015
7. Organizing Committee Member for Two Day National Convention on Analysis and Prevention of Fracture and Failures organized by the Department of MME, MGIT in association with Society of Failure Analysis during February 03-04, 2012.

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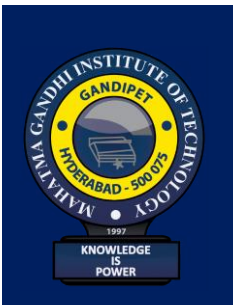
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Events Attended:**FDPs/STTPs:**

1. One Week FDP on Material Processing and Heat Treatment MPHT 2021 organized by CISR-NML Jamshedpur during Jan 11-15, 2021
2. One-week STTP on Advances in Corrosion Engineering and Electrochemical Characterization Techniques ACEECT – 2021 organized by Department of MME, NIT Raipur, Jan 02-06, 2021.
3. One-week FDP on Current Scenario in Steel Research CSSR-2020 organized by Department of Metallurgical and Material Engineering, Veer Surendra Sai University of Technology, Burla, Odisha during Sept 7-11, 2020.
4. One-Week STTP on Live training Session on Thermocalc organized by Dept. of MME, IIT/M, IIM Chennai Chapter, ASM International, Chennai Chapter during Aug 24-28, 2020
5. One-week STTP on Application of Optimization Techniques in Mechanical Engineering Research organized by M/s Vitarka Projects during August 7-11, 2020
6. One-week FDP on Recent Advances in Process Metallurgy organized by OP Jindal University during July 13-17, 2020.
7. One-Week Int. FDP on Research and Development in Materials Behaviour, Processing, and Characterization Techniques organized by Dept. of ME, GLU Univ. Mathura during July 09-14, 2020
8. Tw- week FDP on Advanced Concepts for Developing MOOCs organized by Teaching Learning Center, Ramanujam College, Univ. of Delhi during July 02-17, 2020
9. One-Week FDP Material Processing and Optimization organized by NITTR, Chandigarh during July 06-10, 2020
10. Online AICTE Margdarshan FDP on Art of Writing Papers and Research Methodologies from 07-05-2020 to 13-05-2020
11. One Week FDP on Art of Writing Papers and Research Methodologies organized by GRIET, Hyderabad during 7th -13th May 2020
12. Two Week FDP on Managing Online classes and Co-creating MOOCs organized by Teaching Learning Centre & Research Development and Services Cell Ramanujan College, University of Delhi during May 18 -June 03, 2020.
13. One Week FDP on Open-Source Tools for Research organized by Teaching Learning Centre & Research Development and Services Cell Ramanujan College, University of Delhi during June 08 - June 14, 2020.
14. One Week FDP on Research and Development in Materials Behaviour, Processing and Characterization Techniques organized by GLA University, Mathura in association with India Institute of Metals (IIM), Mathura Chapter and Panjab University, Chandigarh during 9th-14th June 2020
15. one-week ISTE Faculty development program on Teaching, Learning and Research in Engineering & Technology organized by ISTE Chapter MGIT during 30th July – 03rd August 2012.
16. One week school on Surface Engineering Technologies: Research and Applications organized by ARCI, Hyderabad and TR Anantharaman Education and Research Foundation during 27th August -31st August 2012.



Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture:

1. 3-day Workshop on Team Building organized by Sphoorthy College of Engineering along with ICT Academy during 19-21 Dec 2019
2. National Workshop on Fatigue, Fracture and Life-Extension organized by DRDO during January 29-31, 2014
3. Two-day workshop on Industrial Corrosion and its Control organized by TRAERF and IIT. Bombay during Sept. 16-17, 2011.
4. Attended 4-weeks Orientation Program at Maulana Azad National Urdu University organized by UGC- Academic Staff College during 09 May to 05 June 2013.
5. Attended 3-week Refresher Course on Mathematical Modelling and Simulation for Scientist and Engineers organized by Academic Staff College, JNTUH, Hyderabad during 02 Dec 2013 to 21 Dec 2013.
6. National workshop on Evolution and Prevention of Corrosion and Failure organized by TRAERF and UoH during November 29-30, 2012.

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