

Dr. BADE VENKATA SURESH

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Education: M.Tech., Ph.D.

Experience: 10 years in Teaching and Administration.

University Topper: 1

Book: 1 | Journal Publications: 24 (3 SCI) (2 ESCI) (15 Scopus) | Conference Publications: 05



OBJECTIVE

To secure a challenging position in a reputable organization as a Professor, to expand my learning's, Teaching, knowledge, Research & Administration skills and will help to grow my career.

EDUCATION

Ph.D. (8.67 CGPA)

Centurion University of Technology and Management – Odisha 07/2017 – 09/2020

M.Tech. (CAD/CAM, 82.1 %)

JNTU Kakinada 11/2011 – 01/2014

B.Tech. (Mechanical Engineering, 75.67 %)

JNTU Kakinada 09/2007 – 05/2011

AWARDS

Best Faculty Award for the Year for the subject Hydraulic Machines (GMRIT - Rajam)

Best Faculty Award for the Year for the subject Basic elements of machine member (GMRIT - Rajam)

PUBLICATIONS

Book 1(Published)

Journals 24(Published) +1(In Review)

Conferences 06(Published in Conference Proceedings)

AREAS OF INTEREST

- > Vibration Welding
- > Manufacturing Processes
- > Solar Drying Process

RESEARCHER-IDENTITY

ResearcherID [ABC-5718-2020](https://orcid.org/0000-0002-6118-4312)

Scopus Author ID [57210248914](https://orcid.org/0000-0002-6118-4312)

ORCID ID [0000-0002-6118-4312](https://orcid.org/0000-0002-6118-4312)

Google Scholar [Bade Venkata Suresh](https://scholar.google.com/citations?user=BadeVenkataSuresh)

Research Gate [Bade Venkata Suresh](https://www.researchgate.net/profile/Bade-Venkata-Suresh)

REVIEWER-IDENTITY

Publons <https://publons.com/researcher/3163993/venkata-suresh-bade/>

INVITED REVIEWER (SCI-JOURNALS)

- + Metallurgical and Materials Transactions A
- + Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering

PROFESSIONAL MEMBERSHIPS

- 30471** (AICTSD) All India Council for Technical Skill Development A Non-Profit Organization
- PMIN63241970** IFERP(Institute for Engineering Research and Publication)
- 194986** IAENG(International Association of Engineers)
- 20170803001** SAISE (South Asia Institute of Science and Engineering)

EXPERIENCE

Senior Assistant Professor, GMRIT-Rajam **06/2014 –Till date**

- + Teaching Mechanical Engineering subjects to P.G. and U.G. students

Teaching Assistant, GMRIT-Rajam **11/2011 – 06/2014**

- + Teaching Mechanical Engineering subjects to Diploma students

Junior Engineer **05/2011 – 11/2011**

- + Ship HUL Design

ADMINISTRATION CREDENTIALS

- + Assistant Controller of Examinations
- + National Board Accreditation Coordinator
- + Institute Admissions Member
- + Project Coordinator

TEACHING CREDENTIALS

Name of Subject	Year/Semester	Year	Feedback(For 6 point)	Score (%)
Alternate Sources of Energy	IV-I	2014-2015	4.87	95%
Dynamics of Machinery	III-I	2014-2015	5.03	94%
Power Plant Engineering	IV-II	2014-2015	4.87	98%
Engineering Drawing	I-I	2014-2015	5.5	92%
Elements of Mechanical Engineering	I-I	2015-2016	5.11	94%
Power Plant Engineering	IV-II	2015-2016	5.25	100%
Engineering Drawing	I-I	2015-2016	5.4	94%
Hydraulic Machines	II-IV	2016-2017	5.32	98%
Dynamics of Machinery	III-I	2016-2017	5.47	96%
Engineering Drawing	I-I	2016-2017	5.2	96%
Elements of Mechanical Engineering	I-I	2016-2017	5.3	95%
Design of Machine Members	III-VI	2017-2018	4.93	91%

Engineering Mechanics	I-II	2017-2018	5.6	90%
Engineering Drawing	I-I	2017-2018	5.4	95%
Material Science and Metallurgy	II-III	2018-2019	5.1	91%
Engineering Mechanics	I-II	2018-2019	5.57	93%
Material Science and Metallurgy	II-III	2019-2020	5.65	94%
Automobile Engineering	III-VI	2019-2020	5	90%
Theory of Machines	IV	2020-2021	5.42	88.89%
Basics of Engineering	II-D	2020-2021		89.23%
Engineering Mechanics	III	2020-2021	5.38	85.00%
Basics of Engineering	I-I	2020-2021		95.16%
Finite Element Method	VII	2021-2022	5.30	94.5%
Alternative Sources of Energy	VII	2021-2022	5.56	98.15%

TECHNICAL SKILL MATRIX

CAD/CAM Packages:

Auto CAD, Pro-E, ANSYS- Workbench

CNC Programming:

FANUC Programming and Simons Simulink Programming

ADDITIONAL SKILLS

- + Good oral and written communication skills,
- + Good leadership abilities, Quick learner.

PUBLICATIONS' DETAILS

BOOK:

1. Vibratory Assisted Welding, International Kindle Paperwhite, Independently published (November 11, 2020)

Journal Publications:

1. **Suresh, B. V.**, Shireesha, Y., Kishore, T. S., Dwivedi, G., Haghghi, A. T., & Patro, E. R. (2023). Natural energy materials and storage systems for solar dryers: State of the art. **Solar Energy Materials and Solar Cells**, 255, 112276. (SCI)
2. MVNV Satyanarayana, **Bade Venkata Suresh**, Durga Venkatesh Janaki, & Adepu Kumar. Effect of overlapping technique on the grain size distribution and grain orientation in friction stir processed aluminum alloys. **Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications**, 2023. (SCI).

3. **Bade, V. S.**, Srinivasa Rao, Y., Yegireddi, S., & Eshete, G. (2022). Influence of Nano Boric Acid Material in Bio-Diesel Blends to Enhance the Surface Quality with Minimum Quality Lubrication. *Advances in Materials Science and Engineering*, 2022.(SCI)
4. **Bade, V.S.**, P., S.R. and P., G.R. (2020), "Experimental investigation on influence of electrode vibrations on hardness and microstructure of 1018 mild steel weldments", *World Journal of Engineering*, Vol. 17 No. 4, pp. 509-517. (SCOPUS) (ESCI)(Clarivate Analytics)
5. **Suresh, B. V.**, Rao, P. S., & Rao, P. G. "Influence of Electrode Vibration on Impact Strength of 1018 Mild Steel Weldments", *Test Engineering and Management*, Vol. 83 No. 2, May 2020, pp. 14152- 14158. (SCOPUS)
6. **Bade, V.S.**, P., S.R. and P., G.R. (2020), "The Effect of Vibratory Conditioning on Tensile Strength and Microstructure of 1018 Mild Steel", *World Journal of Engineering*. Vol. 17 No. 6, pp. 837-844 (SCOPUS) (SCOPUS) (ESCI)(Clarivate Analytics)
7. **Suresh, B. V.**, Rao, P. S., & Rao, P. G. "Influence of Flexural Strength on Welded Joints under the Effect of Electrode Vibratory Welding Process". *International Journal of Mechanical and Production Engineering Research and Development*, Vol. 10, Issue 3, Jun 2020, 1345–1352. (SCOPUS)
8. **Suresh, B. V.**, Shireesha, Y.,& Sateesh, B. (2020). Vibration analysis and control of locomotive system. *Mechanics and Mechanical Engineering*, 22(1), 195-206. (SCOPUS)
9. **Suresh, B. V.**, Rao, P. S., & Rao, P. G. "Improvement of Tensile Strength of 1018 Mild Steel Welded Joints Produced Under the Influence of Electrode Vibration". *International Journal of Innovative Technology and Exploring Engineering*, Volume-8 Issue-8 June, 2019, pp-1219-1222.(SCOPUS)
10. **Suresh, B. V.**, Rao, P. S., & Damera, P. G. R. N. "Vibratory Assisted Joining Processes for Quality Joints", *Journal of Xi'an University of Architecture & Technology*, Volume-12 Issue-4, May, 2020, pp-1553-1560. (SCOPUS)
11. **Suresh, B. V.**, Rao, P. S., & Rao, P. G. "INFLUENCE OF VIBRATIONS IN WELDING PROCESS TO ENHANCE MECHANICAL PROPERTIES: A REVIEW". *International Journal of Scientific Research and Review*, Volume 8, Issue 2, 2019, pp-576-585. (UGC CARE).
12. Shireesha, Y., **Suresh, B. V.**, Bahubalendruni, M. R., & Nandipati, G. (2019). Experimental Investigation on Mechanical Properties of Bi-Directional Hybrid Natural Fibre Composite (HNFC). *Materials Today: Proceedings*, 18, 165-174. (SCOPUS).

13. **Bade Venkatasuresh**, Y. Shireesha and P. Srinivasa Rao. "Emission and performance analysis of an internal combustion engine with turbocharger using alternate fuel". **JP Journal of Heat and Mass Transfer**. Volume 17, Issue 2. PP- 539 - 551 2019.(SCOPUS)
14. **Suresh, B.V.**, Shireesha, Y., Govinda Rao, P. Effect of rear axle ratio on vehicle performance. **Journal of Mechanical Engineering Research and Developments**, 2017, 40(3), pp. 515-525. (SCOPUS)
15. Musalaiah, G., **Suresh, B. V.**, Rao, P. S., & Rao, P. G. (2017). Shear strength enhancement in vibratory lap welded joints. **International Journal of Mechanical Engineering and Technology (IJMET)**, 8(1), 160-168. (SCOPUS)
16. **Suresh, B. V.**, Rao, P. G., Musalaiah, G., & Rao, P. S. (2017). Influence of vibratory weld conditioning on hardness of lap welded joints. **International Journal of Mechanical Engineering and Technology (IJMET)**, 8(1), 169-177. (SCOPUS).
17. Musalaiah, G., **Suresh, B.V.**, Prashanth, B., Dhanraj, B. Experimental studies on tensile properties of jute fibre reinforced polymer composites. **International Journal of Mechanical and Production Engineering Research and Development**, 2017, 7(4), pp. 321-326. (SCOPUS)
18. **Suresh, B. V.**, Rao, P. G., Musalaiah, G. "Development And Mechanical Characterisation Of Glass Fibre Reinforced Polymer Composite. **International Journal of Mechanical Engineering and Technology (IJMET)** , 2017, 8(7), 231-239. (SCOPUS)
19. **Suresh, B. V.**, Karthik, G., Panda, P. K., & Rao, P. S. (2017). Fabrication of Combined In-Phase and Counter-Phase Steering Mechanism of a Four Wheel Drive. **International Journal of Engineering, Science and Mathematics**, 6, 401-415.
20. Shireesha, Y., **Suresh, B. V.**, & Rao, P. G. Emissions Reduction using Catalyst Converter. **International Journal of ChemTech Research** Volume 9 Issue 3 in April 2016. (SCOPUS)
21. **Suresh, B. V.**, Shireesha, Y., & Sateesh, B. Evolution of performance of Primary and Secondary Air preheaters. **International Journal of Engineering Trends and Technology (IJETT)** Volume22 Number 7- April 2015.
22. **Suresh, B. V.**, Shireesha, Y., "Optimization and Fabrication of Dome Shaped Crop Dryer". **International Organization of Scientific Research**. Volume 11, Issue 5 Ver. II (Sep- Oct. 2014), PP 65-71.
23. Balamurali, M. G., **Suresh, . B. V.**, Shireesha, M. Y., & Sylaja, M. T. V. Fem Based Analysis Of Chip Tool Interactions To Study The Stress Distribution On The Rake

Face. **International Journal of Computational Engineering Research (IJCER)**. Vol-3 (Issue, 7), 52-58. 2013.

24. **Suresh, B. V., & Rao, P. G.** (2013). Determination of Mechanical Properties of Different Materials Using Inverse Finite Element Procedure for the Miniature Specimen Test Simulation. **IOSR journal of Mechanical and Civil Engineering**, 6(3), 25-36.

Conference Publications:

1. Suresh, B. V., Shireesha, Y., & P Srinivasa Rao(2022). "Influence of Mechanical Vibrations on Impact-Strength of 1018 Mild-Steel Butt-Weld-Joints". **International conference on 3rd Innovative Product Design and Intelligent Manufacturing Systems (IPDIMS) 2022**. Department of Industrial Design and Department of Mechanical Engineering of NIT, Rourkela.
2. **Suresh, B.V.,** Shireesha, Y., Rao, P.S. (2022). Effect of Electrode Vibration Welding on Impact and Tensile Strength of 1018 Mild Steel Weld Joints. In: Dave, H.K., Dixit, U.S., Nedelcu, D. (eds) **Recent Advances in Manufacturing Processes and Systems**. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-16-7787-8_26.
3. Shireesha, Y., **Suresh, B. V.,** Bahubalendruni, M. R., & Nandipati, G. (2019). Experimental Investigation on Mechanical Properties of Bi-Directional Hybrid Natural Fibre Composite (HNFC). **Advances in Material and Manufacturing Engineering (ICAMME-2018)**. University College of Engineering and Technology Acharya Nagarjuna University. GUNTUR.
4. MSRR Ravikumar Dumpala, **B.V. Suresh,** K. Ramasubramanian, V. Chittibabu. Tribological and machining performance of the CVD diamond coatings against Alm-30SiCp MMC **International Conference on Advances in Design and Manufacturing (ICAD&M'14)**. National Institute of Technology Tiruchirappalli, India. 2014.
5. **Suresh, B. V., & Rao, P. G.** Determination of Mechanical Properties of Different Materials Using Inverse Finite Element Procedure for the Miniature Specimen Test Simulation National Conference on **Latest Innovations In Mechanical Engineering (LIME- 2013)** At Andhra University College of Engineering on 2013.

WORKSHOPS ATTENDED

1. Participated in one week National level faculty development program on "**Advanced Finite Element Methods and its Engineering Applications- Hands on Sessions**" Sponsored by AICTE, Organized by Department of Mechanical Engineering, University College of Engineering Kakinada. During 9th to 14th March 2020.
2. Attended one week faculty development program on "**Advanced Manufacturing Enterprise in Digital Era**" conducted by AITAM, Tekkali on 1st -5th June 2020.
3. Participated in one week AICTE Sponsored STTP on "**Aligning Curriculum Design, Development, Delivery and Assessment in the Context of Outcome Based**

Education” Conducted at GMR Institute of Technology, Rajam, AP. On 23rd to 28th September 2019.

4. Participated in faculty development program on “**Object Oriented, Enriched, Revised Blooms taxonomy**” Conducted at GMR Institute of Technology, Rajam, AP. On 16th and 17th September 2016.
5. Participated in three day faculty development program on “**Frostering Higher Order Thinking under the Framework of RBT and OBE: Theory to Practice**” Conducted at GMR Institute of Technology, Rajam, AP. On 29th and 31st July 2019.
6. Participated in faculty development program on “**Empowering Engineering Faculty in Question Paper Setting**” Conducted at GMR Institute of Technology, Rajam, AP. On 11th and 12th November 2016.
7. Participated in faculty development program on “**Digital Marketing**” Conducted at GMR Institute of Technology, Rajam, AP. On 22nd and 23rd June 2019.
8. Participated in faculty development program “**Mission 10X Aarambh**”, a blended learning certification program on **Effective Teaching and Learning Methods**, 2012.
9. Participated in National level one day workshop on **Challenges in Rapid Product Development and Manufacturing (CRPDM-2013)** July 2013 at Indian Institute of Information Technology, Design and Manufacturing (IIITDM) Kancheepuram, Chennai.

E-BIKE COMPETITIONS

1. Acted as a Faculty advisor for **Kart Design Challenge-Season III - Go-Kart**. Organized by **Society of Mechanical & Automotive Engineers** at Hyderabad on 20 Aug 2019.
2. Acted as a Faculty advisor for **Asian E-Bike & Pro-Kart Challenge, Season-3**. Organized by **IMAGINE TO INNOVATE** at Raghu Educational Institution, Visakhapatnam. From 25th to 29th September 2019.

ADMINISTRATIVE RESPONSIBILITIES

- Institute level Exam Section Coordinator**
- Department level coordinator for NBA**
- Department level coordinator for Student Projects**
- Institute Level Coordinator for Music Club**
- Department level coordinator for Industrial Tours**
- Department level coordinator for summer Internship program**
- Department level coordinator for Hobby Projects**
- Machine Tools Lab In charge**
- Institute Level Admission Committee Member**
- Member of Center for Human Excellence**
- Anti-Ragging Committee Member**

INDUSTRIAL INTERNSHIP DETAILS

Faculty summer internship at BERRY Alloys Pvt. Ltd

4/6/2018 – 17/6/2018

PERSONAL DETAILS

NAME : BADE VENKATA SURESH
FATHER NAME : B JA JA RAO
NATIONALITY : INDIAN
DATE OF BIRTH : 26.01.1988
MARITAL STATUS : MARRIED
SEX : MALE
LANGUAGES KNOWN : ENGLISH, TELUGU and HINDI.
PERMANENT ADDRESS : BADE VENKATA SURESH,
S/O B JA JA RAO,
D-NO: 12-49-10,
INDIRA COLONY, NEW GAJUWAKA,
VISAKHAPATNAM - 530026.
ANDHRA PRADESH, INDIA.


DECLARATION

I hereby declare that all particulars furnished above are true and correct to the best of my knowledge.

Place: Visakhapatnam

Date: 31-07-2023

Yours Sincerely,



(B Venkata Suresh)