

# Curriculum Vitae

## SANDEEP M J

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Vivekananda colony, Banashankari 2<sup>nd</sup> Stage,  
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## CAREER SUMMARY

*To emerge as an outstanding academician with sound knowledge and high moral values, imparting the gained knowledge to transform the pupils to mature with wisdom, adapt to the nature of work environment and imbibe the goals of the institute to contribute in various academic and administrative levels to the achievement of the goals.*

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## SUMMARY

- Possessing six years of experience in teaching.
- Broad exposure on Mechanical software's like AutoCAD, Catia, Solid works, NX 11, Ansys, Basics of MATLAB, Autodesk fusion 360.
- Result oriented, Consistent, Self-motivated and Independent in facing professional challenges.

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## EDUCATIONAL BACKGROUND

- PhD in the field of Casting (Modeling and optimization of Industrial waste as an alternate molding material for industrial applications) **Visvesvaraya Technological University**, registered on August 2016, currently pursuing. (In the stage of submitting thesis)
- Master of Technology in Machine Design, **Visvesvaraya Technological University, Belgaum, Karnataka**, Completed in June 2016 (First Class with Distinction)
- Bachelor of Engineering in Mechanical, **Visvesvaraya Technological University, Belgaum, Karnataka**, Completed in June 2014 (First Class with Distinction)

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## PROFESSIONAL EXPERIENCE

Currently working : **Dayananda Sagar University, Bangalore**  
Position : Assistant Professor in Mechanical Department  
Duration : 2<sup>nd</sup> December 2019 to till date.  
Duties : Teaching Undergraduate Students of Bachelor of Mechanical Engineering

- Experience 3 : **Ballari institute of technology and management, Ballari**  
Position : Assistant Professor in Mechanical Department  
Duration : 7<sup>th</sup> August 2017 to 31<sup>st</sup> of November 2019.  
Duties :
  - Teaching Undergraduate Students of Bachelor of Mechanical Engineering and supervising Undergraduate.
  - Teaching post graduate students of Mechanical engineering in Machine design.
  - Monitoring the overall growth of the department
  - Worked as Co-ordinator for CRITERION-4 in NBA. Has knowledge on OBE process which is very much essential for NBA.
  - Overall knowledge on all the criterions involved in NBA.
- Experience 2 : **Sahyadri College of Engineering and Management, Mangalore**  
Position : Assistant Professor in Mechanical Department  
Duration : July 14<sup>th</sup> 2016 to 8<sup>th</sup> June 2017  
Duties :
  - Teaching Undergraduate Students of Bachelor of Mechanical Engineering and supervising Undergraduate.
  - Monitoring the overall growth of the department
  - Worked as a Co-ordinator in “NAAC” Accreditation
- Experience 1 : **CADD FOCUS**, Training institute, Chitradurga  
Position : Trainee  
Duration : 1 year (Part time)  
Duties : Training the students on mechanical software like AutoCAD, Catia, Solid works, Ansys.

## WORKSHOPS AND SEMINARS

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- Conducted 3 days’ workshop on NX 11 software for engineering faculties.
- Conducted the value-added course of “**SOLIDWORKS**” with a duration of 45 days.
- Trained around 50 students on NX 11 software on which they got placement in TVS group of companies.
- Conducted the software training for engineering students in the corporate level.
- Attended the 3 days’ faculty development program on “**DESIGN ENGINEERING LAB**” Organized by department of mechanical engineering, KSIT, Bangalore.
- Attended two-day National workshop on “**TRIBOLOGY FRONTIERS IN DESIGN AND MANUFACTURING**” held at “**NITK-Suratkal**” organized by Mechanical department.
- Presented a paper on “**INVESTIGATION ON THREE BODY ABRASIVE WEAR BEHAVIOR OF GLASS-EPOXY COMPOSITE- A TAGUCHI APPROACH**” in National conference “**COMET-2015**” on Mechanical engineering trends held at **BITM**, Bellary. Organized by mechanical department in association with **VTU, Belgaum**.
- Attended 1-week Faculty development program on “**INSTRUCTIONAL DESIGN AND DELIVERY SYSTEM**” by **NITTTRC, MHRD**.

## PROJECTS GUIDED

Title	UG/PG	Important Contribution/Results Achieved
<b>BOARD CLEANER</b>	UG	It was a project done for preventing the dust from the cleaning of board which affects the health of the teachers.
<b>STEERING CONTROLLED HEAD LIGHT SYSTEM</b>	UG	It is a technology which can adopted for the medium range cars (in terms of cost), very useful in curve roads for the driver to judge his way which can prevent accidents at night drives.
<b>FABRICATION OF MAGNETIC CHIP COLECTER</b>	UG	It can be used in a small-scale company to collect the metal waste chips without having any additional tools and equipment's with less time.
<b>PRODUCTION OF BIOFUEL FROM FOOD WASTE</b>	UG	The food waste from the college hostel was collected and used for the production of Biofuel which was used again for cooking purpose in the same hostel.

## PUBLICATIONS

- Sandeep M.J., Manjunath Patel G.C., Ganesh R. Chate, Mahesh B. Parappagoudar and U.M. Daivagna. “Multi Response Optimization of Green Sand Moulding Parameters Using Taguchi-DEAR Method”, *Applied Mechanics and Materials*, 2019 Trans Tech Publications Ltd, Switzerland, ISSN: 1662-7482, Vol. 895, pp 1-7.
- Manjunath Patel G C, Kapil Gupta, Ganesh Chate, Mahesh B. Parappagoudar, Sandeep M J, and U M Daivagna. “Performance analysis of cow dung as an eco-friendly additive material for sustainable moulding and casting”, *Overseas Foundry*, Vol.16 No.6 November 2019, CHINA FOUNDRY, <https://doi.org/10.1007/s41230-019-9013-x>.
- B. K. Pavan Kumar, Yadavalli Basavaraj and M. J. Sandeep. “Effect on Bearings in Rotating Components by Vibration Analysis: A Case Study in Steel Plant”, *Springer Nature Singapore Pte Ltd. 2020, L. Vijaya Raghavan et al. (eds.), Emerging Trends in Mechanical Engineering, Lecture Notes in Mechanical Engineering*, [https://doi.org/10.1007/978-981-32-9931-3\\_27](https://doi.org/10.1007/978-981-32-9931-3_27).
- Pavan Kumar B.K, Yadavalli Basavaraj, Sandeep M.J, Keerthi Kumar N. “Optimization of process parameters for turning machine using Taguchi super ranking method: A case study in valve industry”, *Materials Today: Proceedings*, ELSEVIER, <https://doi.org/10.1016/j.matpr.2021.05.043> 2214-7853/\_ 2021 Elsevier Ltd. All rights reserved.
- B.K. Pavan Kumar, Yadavalli Basavaraj, N. Keerthi Kumar, M.J. Sandeep, “Vibration based condition monitoring of rotating part using spectrum analysis: A case study on milling machine”, <https://doi.org/10.1016/j.matpr.2021.05.226>, 2214-7853/\_ 2021 Elsevier Ltd. All rights reserved.

## PERSONAL INFORMATION

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Father Name : Jayashankar M R  
Date of Birth : 29<sup>th</sup> June 1991  
Place of Birth : Bengaluru, Karnataka  
Marital Status : Married

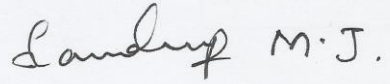
## HOBBIES AND INTERESTS

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**Hobbies:** Listening to Music, Playing Chess, Watching Spiritual and Motivational Videos.

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I hereby declare that all the above information is true to the best of my knowledge.



**SANDEEP M J**