




# P.E.S. College of Engineering, Mandya



## Faculty Profile

### General

Name	<i>Mr. Siddesh Kumar N M</i>	
Designation,	<i>Assistant Professor</i>	
Department & Affiliated Institution	<i>Department of Mechanical Engineering, P.E.S College of Engineering, Mandya – 571 401</i>	
Research Area	<i>Material Science, Manufacturing, Desalination of Salt water</i>	
Contact Number	<i>+91 8892261462</i>	
Email ID	<i>siddeshkumarnm@pesce.ac.in</i>	

### Academic Profile

#### Educational Qualifications

Degree	College	University	Year of Passing	% ge	Class
<i>M.Tech</i>	<i>Manipal Institute of Technology, Manipal</i>	<i>Manipal University</i>	<i>2020</i>	<i>9.05 CGPA</i>	<i>FCD</i>
<i>B.E</i>	<i>The National Institute of Engineering, Mysuru</i>	<i>Visvesvaraya Technological University</i>	<i>2017</i>	<i>8.15 CGPA</i>	<i>FCD</i>

#### Research Achievements/Awards

<i>Ph. D / M.Sc., Engg./M/Phil</i>	<i>Ph. D - Nil</i>	<i>M.Sc., Engg./M/Phil - Nil</i>
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#### Professional Experience

Organization & Department	Designation	Period	Total of Experience
<i>Indian Institute of Science Bengaluru</i>	<i>Research Intern</i>	<i>Aug 2019 – Aug 2020</i>	<i>1 Year</i>
<i>P.E.S. College of Engineering, Mandya</i>	<i>Assistant Professor</i>	<i>01-10-2020 to Till date</i>	<i>Till Date</i>

#### Report of Work for the Academic Year : 2019-20

Academics	Description of Academic records
<i>Teaching Records (Details of courses taught)</i>	<i>CAD/CAM Manufacturing Process Elements of Mechanical Engineering Basic Material Processing Lab Digital Manufacturing Lab</i>

#### Research Guidance (Ph.D /; Students awarded & pursuing )

Degree	Awarded	Pursuing
<i>Ph. D</i>	<i>-</i>	<i>-</i>
<i>M.Sc Engg./ M/Phil</i>	<i>-</i>	<i>-</i>

#### Research Publications in Refereed Journals and Conferences

No. of Publications in	National	International
<i>Journals</i>	<i>00</i>	<i>05</i>
<i>Conferences</i>	<i>00</i>	<i>05</i>

#### Other Important Responsibilities held in the College

<i>Basic Material Processing Lab Coordinator</i>	
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## LIST OF PUBLICATIONS

1. **Siddesh Kumar N. M**, T. N. Shashank, and Dhruthi, “Review—Different Ceramic Reinforcements In Aluminium Metal Matrix Composites,” *ECS J. Solid State Sci. Technol.*, vol. 10, no. 5, p. 053003, 2021, doi: 10.1149/2162-8777/ac0114.
2. **Siddesh Kumar N. M**, J. Monica, G. Karthikareddy, M. Sadashiva, and G. Bawge, “Comparitive Study on Methods used to Improve the Corrosion Resistance Property of Aluminium Alloys – A Review,” 2021, ISSN NO. 0038-111X Vol 62 Issue 2.
3. Ramesh Kurbet, Karthikareddy G , Monica J , **Siddesh Kumar. N. M** , Avinash M, Dr. Rudreshi Addamani “A Review on Friction Stir Welding over other Welding Techniques of Aluminium Alloys”,2021, ISSN NO. 0038-111X Vol 62 Issue 2.
4. M. C Gowri Shankar, Y. M. Shivaprakash, N. M. **Siddesh Kumar. N. M**. A. Siddhartha, and A. Dutta, “Experimental investigation on silicon carbide reinforced Duralumin based MMC produced by cold compacting,” *Int. J. Mech. Prod. Eng. Res. Dev.*, vol. 9, no. 2, pp. 507–524, 2019, doi: 10.24247/ijmperdapr201949.
5. Y. M. Shivaprakash, B. M. Gurumurthy, M. A. Siddhartha, **N. M. Siddesh Kumar**, and A. Dutta, “Studies on mild steel particulates reinforced duralumin composite fabricated through powder metallurgy route,” *Int. J. Mech. Prod. Eng. Res. Dev.*, vol. 9, no. 2, pp. 903–920, 2019, doi: 10.24247/ijmperdapr201988.

## Conference

1. Presented a research article titled “Investigation on Corrosion Behavior of Hybrid Aluminium Metal Matrix Composite Welded by Friction Stir Welding” in the International Conference on Advances in Mechanical Engineering: Transcending Boundaries-2021 July 22-23rd, 2021, Mangalam College of Engineering, Ettumanoor, Kerala, India
2. Presented a research article titled “Vibration Analysis of Healthy and Faulty Gear of Parallel Shaft Drive System” in the International Virtual Conference “Recent Innovations in Science & Technology (RIST 2021)” conducted on 19th & 20th June 2021, organized by ERANAD Knowledge City Technical Campus, Malappuram, Kerala, India.
3. Presented a research article titled “Speculative Testament of Corrosive Behaviour of Aluminium Composite Welded by FSW” at 4<sup>th</sup> International Conference on Inventive Material Science Application ICIMA 2021. Held at Coimbatore India, organized by PPG Institute of Technology during 14-15 May 2021
4. Presented a research paper titled “Effect on wear property of aluminium metal matrix composite reinforced with different solid lubricants – A review” at International conference on Maintenance and Intelligent Asset Management ICMIAM -2020 Organised by Manipal Academy of Higher Education, India during 17-18 January 2020.
5. Presented a research paper titled “Effect on wear property of aluminium alloy with different reinforcement by friction stir processing: A review” at INDIA TRIB 2019 – 10<sup>th</sup> International Conference on Industrial Tribology, Organised by Indian Institute of Science (IISc) Bengaluru, India during December 2019.

## **Book Publication:**

1. Pavan K N, N L Muruli Krishna, **Siddesh Kumar. N. M.** “Elements of Mechanical Engineering”, 14 June 2021 ISBN-10 -**1639977341** / ISBN- 13- **978-1639977345**.

## **Detailed C V**

<https://drive.google.com/file/d/1swU09dDin7oXW6gCWtoN6kAApyNdthLk/view?usp=sharing>