




# P.E.S. College of Engineering, Mandya - 571401

(An Autonomous Institution, affiliated to VTU, Belagavi)

## Faculty Profile

### General

Name	Dr. S VANIL KUMAR	
Designation,	Associate Professor	
Department & Affiliated Institution	Department of Mechanical Engineering, P.E.S College of Engineering, Mandya – 571 401	
Research Area	Joining Composite Materials	
Contact Number	+91 9448799499	
Email ID	anilkumarsv @pesce.ac.in, <a href="mailto:svanil999@gmail.com">svanil999@gmail.com</a>	

### Academic Profile

#### Educational Qualifications

Degree	College	University	Year of Passing	% ge	Class
Ph. D	PSG College of Technology, Coimbatore, TN	Anna university, Chennai	2018	-	Awarded
M. Tech.,	University BDT College of Engg. Davangere	Kuvempu University,	2003	69.23	I - Class
B. E.,	PES College of Engineering Mandya.	University of Mysore, Mysuru	1998	67.78	I - Class

#### Professional Experience

Organization and Department	Designation	Period	Total Experience
P.E.S. College of Engineering, Mandya	Associate Professor	2022- till date	
	Assistant Professor	2010- 2022	12Years
	Lecturer	2008-2010	3Years
BEML KGF	Engineer	2007-2008	1 Year
DSCE, Bangalore	Lecturer	2006-2007	1 Year
IMPACT College of Engg, Bangalore	Lecturer	2003-2006	4 Years

### Reports on Academic and Research Activities

#### Academic Activities

Teaching Records (Details of courses taught)	<u>Undergraduate:</u> Manufacturing Process, Materials Science and Manufacturing, CAD/CAM, CIM, FEM, Operation Research, Engineering Drawing, Industrial Automation, Production Management,
--	---

#### Research Guidance (Candidates Awarded / Pursuing Ph.D / M.Sc., Engg./ M.Phil)

Degree	Ph. D.	M.Sc., Engg.	M.Phil
Awarded	Nil	Nil	Nil
Pursuing	Nil	Nil	Nil

#### Sponsored Research Projects (List of Projects taken up /completed and funds receiver & funding sources)

Project Title	Project Funded by	Grants Sanctioned	Grants Received
Sponsored Research	--	--	--

#### Research Publications in Refereed Journals and Conferences/Symposia

Number of Publications in	National	International
Journals	01	13
Conferences/Symposia	1	8

#### Other Important Responsibilities Held in the College

- |  |                         |
|--|-------------------------|
| 1. Skill Development Program Coordinator | 3. BoS and BoE Member   |
| 2. IQAC Department coordinator           | 4. Research coordinator |

## LIST OF PUBLICATIONS

### International Journals:

1. **S V Anil kumar** and R Gandhinathan “Review of Titanium alloys and Steel Brazing methods”, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.93 (2015) © Research India Publications; <http://www.ripublication.com/ijaer>.
2. **S V Anil kumar** and R Gandhinathan, “Evaluation of Microstructure and Mechanical Property of Ti–6Al–4V Brazed Joint with Low Temperature Filler Metal”, Proceedings of the International Conference on Recent Innovations in Production Engineering(RIPE-2017), mit, Anna University, Chennai-600044, India. ISBN:978-93-86256-65-2.
3. **S V Anil kumar** and R Gandhinathan, “Vacuum Brazed Joints of Ti–6Al–4V to Steel with BAg22 Filler Metal”, Journal of Computational and Theoretical Nanoscience, Vol. 14, 5585–5589, (2017). DOI:10.1166/jctn.2017.6987.
4. **S V Anil kumar** and R Gandhinathan, “ Design and static heat transfer analysis on engine cylinder fins”, International Journal of Latest Trends in Engineering and Technology, Vol.(11)Issue(2), pp.001-009, (2018). DOI: <http://dx.doi.org/10.21172/1.112.01,e-ISSN:2278-621X>.
5. **S V Anil kumar** and R Gandhinathan, “Studies on Mechanical Properties of Banana Fibre Reinforced Polyester Composite”, Advances in Polymer Composites:Mechanics, Characterization and Applications AIP Conf. Proc. 2057, 020018-1–020018-8(2019); DOI: <https://doi.org/10.1063/1.5085589>.
6. **S V Anil kumar** and R Gandhinathan, “Process Parameters for Metal Inert Gas Welding of Mild Steel by Using Taguchi Technique – A Review”, International Journal of Material Sciences and Technology. ISSN 2249-3077 Volume 10, Number 1 (2020), pp. 1-14 © Research India Publications <http://www.ripublication.com>
7. **S V Anil kumar** and R Gandhinathan, “Study on Microstructure and Mechanical Property of Ti-6Al-4V Brazed Joint with Low Temperature Filler metal”, Indian Journal of Engineering and Materials Sciences CSIR-NISCAIR: Vol. 27, June 2020, pp. 730-736.
8. **S V Anil kumar** and R Gandhinathan, “Optimization of Process Parameters for Titanium alloy to itself and Stainless Steel Brazed Joints using BAg22 Filler Metal”, Materials today Proceedings(Elsrvier); OI:<https://doi.org/10.1016/J.matpr.2020.03.235>

9. **S V Anil kumar** and R Gandhinathan, “Vacuum Brazed Joints of Titanium alloy with Low Temperature Filler metal” Advances in Mechanical Design, Materials and Manufacture: AIP Conf. Proc- 2247, 050011 (2020); <https://doi.org/10.1063/5.0004489>  
Published Online: 16 July 2020
10. **S V Anil kumar** , Ganapathy Bawge, B C Vinay kumar, ‘On Overview of Industrial Revolution and Technology of Industrial 4.0’, Intrnational Journals of Research in Engineering and Science (IJRES), ISSN:2320-9364, Volume 9 No.1(2021) pp.64-71.
11. **S V Anil kumar** , Mohammedrafi H. Kerur , ‘IOT controlled pesticides spraying robot for Smart Agriculture’, International Journal of Engineering and Designing Innovation (IJEDI) , ISSN: 2582-0788, Volume - 4, Issue - 10, OCT - 2022 pp.1-8.
12. Ghanaraja S, Ganapathy Bawge, **S V Anil kumar** , (2023). Synthesis and Mechanical Behaviour of aluminium Reinforced with Alumina-Graphite Based Hybrid Composites, International Journal for research in engineering application & management (IJREAM), ISSN: 2454-9150, volume - 9, Issue – 2, pp.154-160,  
DOI : 10.35291/2454-9150.2023.0121.
13. **S V Anil kumar**, (2023), “Modelling and Fabrication of Multi-Purpose machine tool”, International Research Journal of Modernization in Engineering Technology and Science, e-ISSN:2582-5208, Volume:05/Issue:07/July-2023, pp.1341-1348,  
<https://www.doi.org/10.56726/IRJMETS43229>

### **International Conferences:**

14. **S V Anil kumar** and R Gandhinathan, ““Vacuum Brazed Joints of Titanium alloy with Low Temperature Filler metal” International Conference on Design, Materials and Manufacture (ICDEM-2019) 6-8 December 2019 organised by the Department of Mechanical Engineering, NIT Karnataka, Surathkal.
15. **S V Anil kumar** and R Gandhinathan, “Optimization of Process Parameters for Titanium alloy to itself and Stainless Steel Brazed Joints using BAg22 Filler Metal”, second International Mechanical Engineering Congress (IMEC-2019), 29 November-01 December 2019 organised by the Department of Mechanical Engineering, NIT, Tiruchirappalli, Tamil Nadu.
16. **S V Anil kumar** and R Gandhinathan, “Studies on Mechanical Properties of Banana Fibre Reinforced Polyester Composite” International Conference on polymer composite (ICPC-2018) 15-18 December 2018 organised by the Department of Mechanical Engineering, NIT Karnataka, Surathkal.
17. **S V Anil kumar** and R Gandhinathan, “Optimization of process parameters of Ti-6Al-4V to itself and stainless steel brazed joints using low temperature filler metal by Taguchi method”, International Conference on contemporary Design and Analysis of Manufacturing and Industrial Engineering Systems (CDAMIES0-2018), 18-20 January 2018 organised by the Department of Production Engineering, NIT, Tiruchirappalli, Tamil Nadu.

18. **S V Anil kumar** and R Gandhinathan, “Evaluation of Microstructure and mechanical property of Ti-6Al-4V Brazed joint with low temperature filler metal” International Conference on Recent Innovations in Production Engineering (RIPE-2017) 24-25 March 2017 organised by the Department of Production Engineering, MIT Campus, Anna University, Chennai
19. **S V Anil kumar** and R Gandhinathan, “Optimization of Process Parameters for Titanium alloy to SS with low Temperature Filler Metal” 4<sup>th</sup> International Conference on Advances in Materials & Materials Processing (icAMMP-IV) 5-7 November, 2016, organised by the Department of Metallurgical and Materials Processing, IIT Kharagpur.
20. **S V Anil kumar** and R Gandhinathan, “Review of Titanium alloys and Steel Brazing methods” International Conference on Sustainable Materials Design and Applications (ICSMDA-2016) 18-19<sup>th</sup> March, 2016, organised by the Department of Mechanical Engineering Department, KONGU College of Engineering, Erode, Tamil Nadu.
21. E Naveen, **S V Anil kumar** and R Vinoth kumar, “Influence of Porosity & Alloy Addition on the wear behaviour of Sinter- Extruded Low Alloy Steel” 69<sup>th</sup> Annual Technical Meeting New Horizons in Materials Processing and Applications (NMD ATM 2015) of the Institute held at IIM, Coimbatore during 13-16 November 2015.

**National Conference:**

22. **S V Anil kumar**, “Make in INDIA: Opportunities Through Innovation” Innovative India 2015 Conference organised by NRDC in association with PSG College of Technology on 25-26 February 2015.

**Patent:**

23. Naveena Pai G, **Anil kumar S V**, Devananda S N. Jagadeesh, “Intelligent car parking system using IOT”, Indian Patent Published on 27<sup>th</sup> November 2020.

**Book:**

24. **Anil kumar S V**, “Titanium Brazing Techniques”, Notion Press Publication ISBN 9781685237080