



JSS MAHAVIDYAPEETHA

JSS ACADEMY OF TECHNICAL EDUCATION

JSSATE Campus, Uttarahalli – Kengeri Main Road, Bangalore – 560 060

Phone: 080-28611902, 28612797 Fax: 080-28612706 www.jssateb.ac.in

Updated on: 24-04-2026

1. NAME : Dr. ANIL KUMAR K.S



2. Date of Birth : 01/12/1979

3. Father's Name : K.P. SHIVAMURTHY

4. Date of Joining JSSATE: 19/09/2008

5. Present Designation : Assistant Professor

6. Gender/ Sex : Male

7. Nationality : INDIAN

8. Contact No. : 9741207020

9. E-mail ID : anilkumarks@jssateb.ac.in

10. Address

a. Correspondence : Assistant Professor,
Dept. Of Mechanical Engineering,
J.S.S. Academy of Technical Education,
JSSATE Campus
Uttarahalli – Kengeri Main Road
Bangalore-560060

b. Permanent Address : D.NO. 10/67, 'Arunodaya Nilaya'
Ward No. 10, Karinanjanapura Extension,
Chamarajanagar district,
PIN- 571313

c. Employment Type : Permanent

11. Educational Qualifications: (In reverse Chronological Order)

Sl. No.	Degree	Branch / Faculty	Specialization	Year of passing	University
1	Ph.D.	Mechanical Engineering (Design & Precision Engg.)	Friction stir welding and processing	2019	National Institute Of Technology Karnataka

					(NITK), Surathkal
2	M.Tech.,	Mechanical Engineering	Maintenance Engineering	2004	VTU, Belgaum
3	B.E.,	Mechanical Engineering	Mechanical Engineering	2001	Bangalore University

12. Service Details (In reverse Chronological Order):

a. Teaching Experience:

Sl. No.	From (dd/mm/yy)	To (dd/mm/yy)	No. of Years	Degree or Diploma Institution	Designation	Name of the Institute
1	19/09/2008	Till date	17years, 07 months	Degree	Assistant Professor	JSSATE, Bangalore
2	23/09/2006	18/09/2008	2 yrs	Degree	Lecturer	DBIT, Bangalore
3	25/07/2005	20/09/2006	1 year, 2 months	Diploma	Lecturer	JSSPN, Nanjangud
Total			20 Years 09 months			

b. Industrial Experience:

Sl. No	From	To	No. of years.	Designation	Name of the Company
1	NIL	NIL	NIL	NIL	NIL

13. Field of Expertise / Interest : Friction Stir Welding and Processing, Surface composites, Metal Matrix Nano Composites (MMNC), Fatigue and Fracture Mechanics, Condition monitoring.

14. Awards and Recognitions : 1 Contributed as a **session chairperson** in national conference on “**Emerging trends in Mechanical Engineering -eTIME-2015**” held on 8th August 2015 in the Dept. Of Mechanical Engineering, St. Joesph Engineering College, Vamanjoor, Mangalore.

Best Paper award

2. Dr. ANIL KUMAR K.S. research article title “*On influence of Friction Coefficient and Processing Temperature on Equal Channel Angular Pressing (ECAP) of AA1100: Johnson-Cook Plasticity Model Approach*” has been selected as ‘**Best Paper Awards**’ for his presentation in 2nd *International Conference on Industrial and Manufacturing Systems (CIMS-2021)* held from 11th - 13th November 2021, jointly organized by Department of Production & Industrial

2) Dr. ANIL KUMAR K.S. research article title *“Effect of tool plunge depth (TPD) on the microstructure and mechanical properties of FSW dissimilar joints reinforced with SiC nano particles”* has been selected as ‘Best Paper Awards’ in the stream **Manufacturing** for his presentation in International Conference on *Smart and Sustainable Developments in Materials, Manufacturing and Energy Engineering (SME-2021)* held from 19th -20th November 2021, organized by **Department of Mechanical Engineering**, NMAM Institute of Technology (NMAMIT), Nitte, Mangalore.

15. Research (Ph.D. & M.Sc. (Engg.) by Research):

a. Number of candidates awarded Ph.D.

Sl. No	Name of the Candidate & USN	Guide / co-Guide	Month & Year of Award	University	Title of the Thesis
1	NIL	NIL	NIL	NIL	NIL

b. Number of candidates registered

Sl. No	Name of the Candidate & USN	Guide / co-Guide	Research Centre	Date of registration	University	Title of the Thesis
1	PRADEEP KUMAR R S (1JS20PME03)	Dr ANIL KUMAR K S	JSSATE	10-10-21	VTU	Investigation of Mechanical and Corrosion Behaviour of Friction Stir Welded Dissimilar Aluminum Alloys

16. Details of Publications: Last Five Years

Publon Link : <https://publons.com/researcher/1823102/anil-kumar-k-s/>

Researcher Id : <https://publons.com/researcher/W-6027-2018/>

ORCID : <https://orcid.org/0000-0003-2015-2709>

Scopus Link : <http://www.scopus.com/inward/authorDetails.url?authorID=57194344057&partnerID=MN8TOARS>

Google scholar link : <https://scholar.google.co.in/citations?user=Cu-hT0sAAAAJ&hl=en>

As on Date: **8-12-2025**

Sl. No.	Citation Indices	All	Since 2020
1	Citation	167	142
2	h-index	7	7
3	i10-index	6	6

a. Journals: (Web of Science only) [Reverse chronological order]

Sl. No	Name/s of Author/s	Title of Paper & doi	Journal & Publisher	Publication Details	Impact factor
1.	Anil Kumar, K.S., Murigendrappa, S.M., and Hemantha Kumar	“Experimental investigation on effects of varying volume fraction of SiC nano particle reinforcement on microstructure and mechanical properties in friction stir welded dissimilar joints of AA2024-T351 and AA7075-T651” doi: 10.1557/jmr.2018.445	Journal Of Materials Research, ISSN: 0884-2914 (Print), 2044-5326 (Online), (SCI Indexed, Web of Science), Cambridge University Publication.	Volume 34, Issue 7, pp 1229-1247 Year: April, 2019	IF-1.982
2.	Anil Kumar, K.S., Murigendrappa,	“A Bottom-Up Optimization Approach for Friction Stir Welding Parameters of Dissimilar AA2024-T351 and AA7075-	Journal of Materials Engineering and Performance, ISSN 1059-9495,	Volume 27, Issue 7, pp 3347-3367.	IF- 1.476

	S.M., and Hemantha Kumar	T651 Alloys”. doi : 10.1007/s11665-017-2746-z	(<i>Scopus Indexed, Web of Science</i>) <i>Springer Publication,</i>	Year: July, 2017	
--	--------------------------	--	---	------------------	--

b. Journals: (Scopus only)

Sl. No	Name/s of Author/s	Title of Paper & doi	Journal & Publisher	Publication Details	Impact factor
1	, K. S. Anil Kumar , G. R. Gurunagendra , V. Ravikumar, G. Veerasha, B. Manjunatha, Mahadeva Prasad	Optimization of wear strength of stir-cast ZA-27 hybrid composites reinforced with zirconium silicate and MoS ₂ powder.	https://doi.org/10.1007/s40033-024-00699-4 , Journal of The Institution of Engineers (India): Series D	Scopus indexed journal, Springer Publication, , Q2 Rating, ISSN: 2250-2130	IF-1.48
2	K. S. Anil Kumar , Gurunagendra, G. R., Ravikumar, V., Yaragudri, H., Kumar, R. S., Prasad, C. D., ... & Prabhu, S. R.	Application of the Taguchi Technique to Examine the Wear Patterns of Zircon Flour Reinforcement in Stir-Cast Zinc Aluminium Composites.	<i>Results in Surfaces and Interfaces</i> , 100598. https://doi.org/10.1016/j.rsurfi.2025.100598	Scopus indexed journal, Springer Publication, Q2 Rating, Vol.20, 2025, ISSN: 2666-8459,	IF-4.85
3	Harish U., Mruthunjaya M., Yogesha K. B., Siddappa P. N.,	<i>Enhancing The Performance of Inconel 601 Alloy By Erosion Resistant Wc-Cr-Co Coated Material.</i> The paper has been reviewed and accepted for publication	Volume 17, Issue 1 (February 2022) in <i>Journal of Engineering Science of Technology(JESTEC)</i> , (Scopus		

	and Anil Kumar K. S. ,		indexed journal, IF-0.698, Q3 Rating, ISSN:1823-4690)		
4	<i>Anil Kumar, K.S., Anup S. Karur, Shravan Chipli, Ankith Singh</i>	<i>(Optimization of FSW Parameters to Improve the Mechanical Properties of AA2024-T351 Similar Joints Using Taguchi Method. J</i>	<i>Journal of Mechanical Engineering and Automation, 5(3B): pp27-32. doi:10.5923/c.jmea.201502.06</i>		

c. Journals & Conferences (Others):

Sl. No	Name/s of Author/s	Title of Paper & doi	Conferences & Publisher	Publication Details	Impact factor
1	Anil Kumar, K.S. , H. Rajneesh, H.C. Madhu	Effect of SiC nano particles on grain stability of friction stir processed AA7075	International Conference on Materials and Manufacturing Methods (MMM 19), National Institute of Technology, Trichy held from 5 th -7 th July, 2019. Accepted in Materials Today Proceedings , (<i>Scopus Indexed conference proceedings</i>)	Yet to be published in Materials Today Proceedings, July 2019	IF- 1.09
2	Anil Kumar, K.S. , Murigendrappa, S.M., Hemantha Kumar and Himanshu Shekhar	“Effect of tool rotation speed on microstructure and tensile properties of FSW joints of 2024-T351 and 7075-T651 reinforced with SiC nano particle: The role of FSW single pass”. doi : 10.1063/1.5029632	International conference on Design, Materials and Manufacture (IcDEM 2018) AIP Conference Proceedings, AIP Publishing, (<i>web of science, Scopus Indexed</i>)	Volume 1943, Issue No.1, p.020056 (2018), Year: April, 2018	NIL
3	Anil Kumar, K.S. , Murigendrappa, S.M., and Hemantha Kumar	Influence of tool probe offset and varying traverse speed on microstructure and mechanical properties of FSW dissimilar joints of AA2024-T351 and AA7075-	7th International and 28th All India Manufacturing Technology, Design and Research conference (AIMTDR	December, 2018	NIL

		T651	2018), College of Engineering (CEG), Anna University, Chennai, India (Accepted by <i>springer publication in conference proceedings</i>)		
4	Anil Kumar, K.S., Anup S. Karur, Shravan Chipli, Ankith Singh	Optimization of FSW Parameters to Improve the Mechanical Properties of AA2024-T351 Similar Joints Using Taguchi Method doi:10.5923/c.jmea.201502.06	Journal of Mechanical Engineering and Automation (p-ISSN: 2163-2405 e-ISSN: 2163-2413). doi:10.5923/c.jmea.201502.06	Vol. and date 2015; 5(3B): pp27-32, April 2015	NIL
5	K.S. Anil Kumar and K.B.Yogesha (2021).	Experimental investigations to find the effect of post weld heat treatment (PWHT) on the microstructure and mechanical properties of FSW dissimilar joints of AA2024-T351 and AA7075-T651.	International conference on Advancement in Materials, Manufacturing and Energy Engineering (ICAMME 2021), Maulana Azad National Institute of Technology (MANIT), Bhopal held from 18th-20th February 2021. Published in Materials Today Proceedings,	https://doi.org/10.1016/j.matpr.2021.01.867 ,	IF- 1.09. (WOS Indexed)
6	Anil Kumar, K.S., H. Rajneesh, & H.C. Madhu .	Experimental Investigations On Effect Of Tool Welding Speed On Microstructure And Tensile Properties of FSW Dissimilar Joints Reinforced with SiC Nano Particles.) Proceedings of CIMS 2020, Apple Academic Press AAP-CRC Press (Taylor and Francis Group)	International conference on Industrial and Manufacturing Systems (CIMS-2020), held from October 9th-11th 2020 at Dr. Ambedkar National Institute of Technology (NITJ), Jalandhar, Punjab. Published as a Book Chapter in Edited Book Title: Modern Manufacturing Systems Trends and Developments, Series : Frontiers in Mechanical Engineering, Hard ISBN: 9781774910443, eBook ISBN: 9781003284024 Selected	publications, https://doi.org/10.1201/9781003284024 (WOS/SCOPUS indexed, Available online 27/12/2022	

7	Anil Kumar, K.S.,	Effect of tool plunge depth (TPD) on the microstructure and mechanical properties FSW Dissimilar Joints Reinforced with SiC Nano Particles.	<i>Materials Today Proceedings (WOS Indexed)</i> in 3 rd International conference on Smart and sustainable development in Materials, Manufacturing and Energy Engineering (SME-2021) to be held in NMAM, Nitte, Karnataka, from November 19-20, 2021.	https://doi.org/10.1016/j.matpr.2021.09.056	
8	H.C. Madhu, K.S. Anil Kumar, K.R. Gopi, R. Ganesh, J.S. Puneeth, M. Ramesh Hanamantappa,	Simulating equal channel angular pressing of commercially pure aluminium using Johnson–Cook model,	Presented in 3rd International Conference on Materials Science & Engineering (ICMSE-2023 held at National Institute of Technology Jalandhar - 144027, from 23rd -25th November, 2023	Materials Today: Proceedings, 2024, ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2024.05.051 .	
9	K.R. Gopi, K.S. Anil Kumar, H.C. Madhu,	Effect of equal channel angular pressing on magnesium alloys – A review,	Materials Today: Proceedings, 2024, ISSN 2214-7853, Presented in 3rd International Conference on Materials Sciences & Engineering (ICMSE-2023 held at National Institute of Technology Jalandhar - 144027, from 23rd -25th November, 2023	https://doi.org/10.1016/j.matpr.2024.05.025	

17. Projects: [Reverse chronological order]

Sl. No	Name/s of faculty	Title of Project	Amount Sanctioned & Funding Agency	Date of sanction	As on date funds received (Rs.)
1	Dr Anil Kumar K S Student Name: Sriharsha (1JS18ME441)	Design and fabrication of solar operated lake cleaning machine	Selected for financial assistance of Rs. 5000/- each by VTU, Prize amount : Rs 5000/-	2020-21	Rs 5000/-

	Darshan N (1JS17ME404) Syed Arbaz (1JS18ME443) Likitha S N (1JS17ME098)				
--	--	--	--	--	--

18. Consultancy: [reverse chronological order]

Sl. No	Name/s of faculty	Title of work	Amount Sanctioned & Funding Agency	Date of sanction	As on date funds received (Rs.)
1	Dr Anil Kumar K S	1.Part drawing and 2D draft using Solid Edge of new die design used in Vacuum Forming Machines-01 (VFM-1) and Vacuum Forming Machines-02 (VFM-2) 2.Inspecting the Noise generation source in Pneumatic cylinders used in Vacuum Forming Machines-05 (VFM-5) and suggestion of replacing the Nozzle in in-mold air ejector	Rs 3000/-	5/01/2024	Rs 3000/- (Cheque. No. 001571, Union Bank)

19. Membership to Professional bodies:

Sl. No	Name of Organisation	Annual membership /Life Member	Number of the Membership	Date of Membership
1	Indian society for Technical Education(ISTE)	Life time membership (LM94607)	01	2014