

KLE Institute of Technology, Hubballi 580 027  
Faculty Profile



**Name: Dr. Anand S. Reddy**

<b>1.</b>	<b>Educational, professional qualifications, and trainings</b>				
<b>1.1.</b>	<b>Educational Qualification</b>				
<b>S.N.</b>	<b>Degree</b>	<b>University / College</b>	<b>Discipline</b>	<b>Year of Passing</b>	<b>Class obtained</b>
a)	Ph.D.	MNNIT, Allahabad	Magnetic Bearings	2016	---
b)	M.Tech.	VTU, Belgaum	Machine Design	2007	FCD
c)	B.E.	Karnataka University Dharwad	Mechanical Engineering	2001	FCD
<b>1.2.</b>	<b>Training programmes attended</b>				
<b>S.N.</b>	<b>Subject Area of Training</b>	<b>Organization</b>	<b>Place</b>	<b>Period / Duration</b>	
a)	Digitalizing Design Through Transformation and Innovation	Department of Mechanical Engg., KLEIT	Hubballi, Karnataka	22 <sup>nd</sup> to 26 <sup>th</sup> July 2019 / 1 Week	
b)	Thermal Engineering and Its Applications	Department of Mechanical Engg., KLEIT	Hubballi, Karnataka	21 <sup>st</sup> to 25 <sup>th</sup> Jan., 2019 / 1 Week	
c)	Finite Element Analysis and Its Application Using Ansys Workbench	Department of Mechanical Engg., KLEIT	Hubballi, Karnataka	26 <sup>th</sup> to 30 <sup>th</sup> June 2018 / 1 Week	
d)	Faculty Development Program on Futuristic Materials and Their Applications	RNS Institute of Technology	Bengaluru, Karnataka	25 <sup>th</sup> to 27 <sup>th</sup> July 2018 / 3 Days	
e)	International Workshop on Research and Application of Advanced Composites and Materials (IWonRAACM)	Sri Dharmasthala Manjunatheshwara College of Engineering and Technology	Dharwad, Karnataka	7 <sup>th</sup> and 8 <sup>th</sup> Dec., 2016 / 2 Days	
f)	Workshop on Intellectual Property Rights and Management	Indian Institute of Science	Bengaluru, Karnataka	17 <sup>th</sup> Feb., 2016 / 1 Day	
g)	Workshop on Incubating Relevant Engineering R&D Programs and Establishing Centres of Excellence in Engg Colleges	Siddaganga Institute of Technology	Tumakuru, Karnataka	11 <sup>th</sup> to 13 <sup>th</sup> May 2015 / 3 Days	

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h)	STTP on Computational Fluid Dynamics	Hirasugar Institute of Technology	Nidasoshi, Belagavi, Karnataka	9 <sup>th</sup> to 14 <sup>th</sup> June 2014 / 1 Week
i)	STTP on Application of Artificial Intelligent Techniques in Engineering Systems	Motilal Nehru National Institute of Technology	Allahabad, Uttar Pradesh	10 <sup>th</sup> to 14 <sup>th</sup> June 2013 / 1 Week
j)	STTP on Advanced Engineering Optimization Through Intelligent Techniques	Sardar Vallabhbhai National Institute of Technology	Surat, Gujarat	14 <sup>th</sup> to 18 <sup>th</sup> May 2012 / 1 Week
k)	STTP on Finite Element Method for Engineering Analysis	Bangalore Institute of Technology	Bengaluru, Karnataka	27 <sup>th</sup> to 31 <sup>st</sup> Jan., 2009 / 1 Week
l)	STTP on Concurrent Engineering – A Modern Approach to Product Design	SRKR Engineering College	Bhimavaram, Andhra Pradesh	27 <sup>th</sup> to 31 <sup>st</sup> Dec., 2004 / 1 Week
m)	Workshop on Creative Teaching	Visvesvaraya Technological University	Belgaum, Karnataka	11 <sup>th</sup> to 13 <sup>th</sup> Sept., 2004 / 3 Days
<b>1.3.</b>	<b>Membership of National and International Professional Bodies/Organisations</b>			
<b>S.N.</b>	<b>Name of Professional Body/Organization</b>	<b>Place</b>	<b>Membership Category</b>	
a)	Indian Society for Technical Education (ISTE)	New Delhi	Life member (LM62331)	
<b>1.4.</b>	<b>Technical Papers/Books Published in National / International Events / Journals</b>			
	<b>International Journals:</b>			
	<ol style="list-style-type: none"> <li><b>Reddy, A. S.,</b> Agarwal, P. K., &amp; Chand S., An adaptive multipopulation genetic algorithm for the optimization of active magnetic bearings, IOP Conf. Series: Materials Science and Engineering, Vol. 691 (2019) 012009. doi:10.1088/1757-899X/691/1/012009.</li> <li><b>Reddy, A. S.,</b> Agarwal, P. K., &amp; Chand S., Application of artificial neural networks for the fault detection and diagnosis of active magnetic bearings, Int. J. Mechatronics and Automation, Vol. 6, Nos. 2/3, 2018.</li> <li><b>Reddy, A. S.,</b> Agarwal, P. K., &amp; Chand S., Application of principal component analysis for the fault detection and diagnosis of active magnetic bearing, Int. J. Advanced Mechatronic Systems, Vol. 7, No. 4, 2017. <a href="https://doi.org/10.1504/IJAMECHS.2017.10010733">https://doi.org/10.1504/IJAMECHS.2017.10010733</a></li> <li><b>Reddy, A. S.,</b> Agarwal, P. K., &amp; Chand S., Adaptive multipopulation genetic algorithm based self designed fuzzy logic controller for active magnetic bearing application, Int. J. Dynam. Control (2017).</li> <li>Halli S. K., Meti N. G., Hittalamani S. J., Dandinavar M. M., <b>Reddy A. S.,</b> Design and Development of Low Friction More Efficient Magnetically Levitated Wind</li> </ol>			

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Turbines, International Journal of Current Engineering and Technology, Vol. 7, No. 3, pp. 907-914, 2017. (E-ISSN: 2277-4106)

6. Mathapati V. M., Mugali A. B. Umarani V. S., Chougula S. K., **Reddy A. S.**, "State-of-the-art light weight bio-composite helmets for children", International Journal of Innovations in Engineering Research and Technology, pp. 1-4, 2016. (ISSN: 2394-3696)
7. Patil R. M., Hatrote S. M., Pharale A. K., Patil V. S., Chiniwalar G. V., **Reddy A. S.**, Fabrication and Testing of composite Leaf Spring for Light Passenger Vehicle, International Journal of Current Engineering and Technology, Issue 3, pp. 67-72, 2014. (E-ISSN: 2277-4106).

**International Conferences:**

1. **Reddy A. S.**, Agarwal P. K., Chand S., "An adaptive multipopulation genetic algorithm for the optimization of active magnetic bearings", Proc. of 2nd International Conference on Computational & Experimental Methods in Mechanical Engineering (ICCEMME 2019), G.L. Bajaj Institute of Technology & Management, Greater Noida, 3-5 May, 2019.
2. **Reddy A. S.**, Agarwal P. K., Chand S., "Genetic Algorithm Based Optimal Design of Fuzzy Logic Controller for Active Magnetic", Proc. of IEEE International Conference on Power, Control and Embedded Systems, MNNIT Allahabad, India., December 26-28, 2014. (ISBN: 978-1-4799-5912-9/14)
3. Patil R. M., Hatrote S. M., Pharale A. K., Patil V. S., Chiniwalar G. V., **Reddy A. S.**, Fabrication and Experimental Investigation of Composite Leaf Spring, Proc. of International Conference on Design, Manufacturing and Mechatronics (ICDMM-2014), Trinity College of Engineering and Research, Pune, Maharashtra, India, January 9-10, 2014.
4. Waseem M., **Reddy A. S.**, Agarwal P. K., Principal component analysis based fault detection and diagnosis of active magnetic bearings, Proc. of International Conference on Advances in Mechanical Engineering (ICAME-2013), College of Engineering, Pune, Maharashtra, India, May 29-31, 2013.
5. **Reddy A. S.**, Agarwal P. K., Chand S., Multiobjective optimization of active magnetic bearing using multipopulation genetic algorithm, Proc. of IEEE International Conference on Research and Development Prospects on Engineering and Technology (ICRDPE-2013), E. G. S. Pillay Engineering College, Nagapattinam, Tamilnadu, India, March 29-30, 2013. (ISBN: 978-1-4673-4948-2)
6. **Reddy A. S.**, Agarwal P. K., Chand S., Optimization of active magnetic bearing using multipopulation genetic algorithm, Proc. of International Conference on Innovations in Automation and Mechatronics Engineering (ICIAME-2013), G. H. Patel College of Engineering & Technology, Gujarat, India, February 21-23, 2013. (ISBN: 978-81-924744-0-3)

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7. <b>Reddy A. S.</b> , Agarwal P. K., Chand S., Design of compact active magnetic bearing with higher load carrying capacity, Proc. of IEEE Students Conference on Engineering and Systems, MNNIT Allahabad, India, March 16-18, 2012. (ISBN: 978-1-4673-0455-9/12)			
<b>National Conferences:</b>			
1. Halli S. K., Meti N. G., Hittalamani S. J., Dandinavar M. M., <b>Reddy A. S.</b> , Design and development of magnetically levitated vertical axis windmill, Proc. of the 3rd National Conference on Innovations in Mechanical Engineering (NCIME-2015), Sinhgad Institute of Technology, Lonavala, Maharashtra, January 09-10, 2015.			
2. <b>Reddy A. S.</b> , Dayananda G. N., Math V. B., Design and Analysis of an IsoTruss Isogrid Aircraft Structure, National Seminar on Current Trends and Applications in Mechanical Engineering held at BLDEA's Vachana Pitamaha Dr. P G Halakatti College of Engg and Tech. Bijapur, Sept. 21-23, 2009.			
1.5.	<b>Language skills (ability to)</b>	<b>Speak:</b>	<b>Read / Write</b>
		English	Read and Write
		Kannada	Read and Write
		Hindi	Read and Write
<b>2.</b>	<b>Employment Information and Professional Experience till date.</b>		
<b>2.1.</b>	<b>Employment Information</b>		
a)	Job title	Professor	
	Employer	K.L.E. Institute of Technology, Hubballi, Karnataka.	
	Dates (from – to)	1/1/2019 to Till date	
	Responsibilities	Teaching- Learning, VTU recognised research supervisor, Principle investigator for VGST, Bengaluru funded project, Department NBA coordinator and project coordinator.	
b)	Job title	Associate Professor	
	Employer	K.L.E. Institute of Technology, Hubballi, Karnataka.	
	Dates (from – to)	22/8/2016 to 31/12/2018	
	Responsibilities	Teaching- Learning, VTU recognised research supervisor, Principle investigator for VGST, Bengaluru funded project, Department NBA coordinator.	
c)	Job title	Associate Professor	
	Employer	Hirasugar Institute of Technology, Nidasoshi, Belagavi, Karnataka	
	Dates (from – to)	1/1/2015 to 20/8/2016	
	Responsibilities	Teaching- Learning for undergraduate and post graduate students, Head for the VTU recognised research center of Mechanical Engg. Dept., Department NBA coordinator.	
d)	Job title	Assistant Professor	
	Employer	Hirasugar Institute of Technology, Nidasoshi, Belagavi, Karnataka	
	Dates (from – to)	1/2/2014 to 31/12/2014	
	Responsibilities	Teaching- Learning, Department NBA coordinator.	
e)	Job title	MHRD funded institute research scholar	

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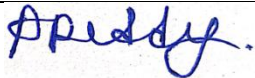
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	Employer	Motilal Nehru National Institute of Technology, Allahabad
	Dates (from – to)	22/7/2010 to 31/1/2014
	Responsibilities	Research and development activities and 8 Hrs. per week Teaching Learning for undergraduate students.
f)	Job title	Senior Lecturer
	Employer	Hirasugar Institute of Technology, Nidasoshi, Belagavi, Karnataka
	Dates (from – to)	1/10/2007 to 31/1/2014
	Responsibilities	Teaching- Learning, Department seminar and project coordinator
g)	Job title	Post graduate research scholar
	Employer	National Aerospace Laboratories (NAL) Bengaluru
	Dates (from – to)	1/8/2006 to 30/9/2007
	Responsibilities	Research and development activities at Advanced Composite Division (ACD) of NAL, Kodihalli Division, Bengaluru.
h)	Job title	Lecturer
	Employer	Hirasugar Institute of Technology, Nidasoshi, Belagavi, Karnataka
	Dates (from – to)	21/10/2003 to 30/7/2006
	Responsibilities	Teaching Learning for undergraduate students.
<b>2.2.</b>	<b>Public Service &amp; Volunteer Work</b>	
	<ol style="list-style-type: none"> <li>1. Resource person for the VTU-TEQIP 1.3 sponsored FDP on “MATLAB based Artificial Intelligence Techniques in Engineering Applications” organized by Department of Mechanical Engineering held at SECAB Institute of Engineering and Technology, Vijayapura, KARNATAKA, INDIA, on 5<sup>th</sup> and 6<sup>th</sup> Oct, 2019.</li> <li>2. Session chair for the 2nd International Conference on Computational &amp; Experimental Methods in Mechanical Engineering (ICCEMME 2019), held at G.L. Bajaj Institute of Technology &amp; Management, Greater Noida on 3-5 May, 2019.</li> <li>3. Delivered technical talks on FEM and Dynamics of Machines subjects during Two Days State Level FDP on “Concepts of FEA and Its Applications” held on 19th and 20th Jan 2018 at Shri Vasant Rao Potdar Polytechnic Belagavi.</li> <li>4. Worked as an Adjunct Faculty at Mechanical Engg. Dept. of Nanasaheb Mahadik College of Engineering, Peth, Sangali, Maharashtra from April 2018 to March 2019.</li> <li>5. Conducted the NBA Mock Inspection of Mechanical Engineering Department of GM Institute of Technology, Davangere and Tontadarya College of Engineering, Gadag on 19<sup>th</sup> Jan 2019 and 25<sup>th</sup> Jan 2020 respectively.</li> <li>6. Worked as a Jury member for the technical paper presentation event of PRAXIS 2K19, Two Day National Level Technical Fest held on 1<sup>st</sup> March 2019 at KLE College of Engineering and Technology, Chikodi, Belagavi.</li> <li>7. Given Invited talk on Topic ‘How to Study and Excel in Engineering Education’ at TCE Gadag, during the induction program on 21<sup>st</sup> August 2018.</li> <li>8. Delivered technical talks on “Fault Detection and Diagnosis of Active Magnetic Bearings” at Institute of Engineers, Dharwad Local Center on 26th Sept. 2017.</li> <li>9. Reviewer for some of the Journals of SAGE and Inderescience publications.</li> </ol>	

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<b>2.3.</b>	<b>Other professional achievements such as any awards, special skills, etc.</b>	
a)	Recognized as a Scientist Faculty from VGST, Bengaluru, Govt. of Karnataka for the Academic year 2018-19.	
b)	Worked for the “Weight reduction program of SARAS Aircraft” at Advanced Composite Division of National Aerospace Laboratories (NAL) Bengaluru from August 2006 to November, 2007 as a part of my M.Tech. Thesis entitled “Design and Analysis of an IsoTruss IsoGrid Aircraft Structure”.	
<b>3.</b>	<b>Any other information</b>	
<b>3.1.</b>	<b>Strengths</b>	Engineering knowledge, Presentation skills and Hardworking nature.
<b>4.</b>	<b>General information</b>	
<b>4.1.</b>	Name	Dr. Anand S. Reddy
<b>4.2.</b>	Gender	Male
<b>4.3.</b>	Nationality	Indian
<b>4.4.</b>	Date of birth	22/07/1979
<b>4.5.</b>	Contact address	# 114, 2 <sup>nd</sup> floor, Pattan Appartment, Rajadhani colony, 3 <sup>rd</sup> cross, Gokul Road, Hubballi.
<b>4.6.</b>	Phone / mobile number	8762803579
<b>4.7.</b>	Email	reddyanan@gmail.com, anand.reddy@kleit.ac.in

14.07.2020	Dr. Anand Shivanappa Reddy	
Date	Full name	Signature