

## Faculty Profile

**Name** : Dr. Nehemiah Peddinti  
**Designation** : Professor  
**Qualification** : Ph. D-Mechanical (Machine Design)  
**Experience** : 20 Years 1 Month  
**Professional Memberships:** AMM (Association for Machines and Mechanisms)



**Areas of Interest** : Balancing of Planar Mechanisms, Vibrations, Fracture Mechanics, Tribology, Any Machine Design specialization related topics

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### Academic Background:

Course	Specialization	Name of the Institution	Year of pass
Ph.D	Machine Design	A.U.COLLEGE OF ENGG., ANDHRA UNIVERSITY	2013
M.E.	Machine Design	A.U. COLLEGE OF ENGG., ANDHRA UNIVERSITY	2004
B.Tech.	Mechanical	BAPATLA ENGINEERING COLLEGE, ACHARYA NAGARJUNA UNIVERSITY	1997

### Professional Experience:

<b>S.No</b>	<b>Post Held</b>	<b>Organization</b>	<b>From</b>	<b>To</b>	<b>No of years</b>
<b>1</b>	<b>Professor</b>	SASI INSTITUTE OF TECHNOLOGY & ENGINEERING - TADEPALLIGUDEM	<b>May 2018</b>	<b>Till Date</b>	<b>Till Date</b>
<b>2</b>	<b>Professor</b>	Faculty of Mechanical and Industrial Engineering, Bahir Dar Institute of Technology, Bahir Dar University, Bahir Dar, Ethiopia	<b>March 2016</b>	<b>March 2018</b>	<b>2 Years</b>
<b>3</b>	<b>Professor &amp; Dean (Academics)</b>	Lords Institute of Engineering and Technology, Himayat Sagar, Hyderabad	<b>July 2014</b>	<b>February 2016</b>	<b>1Yr 8 Months</b>
<b>4</b>	<b>Professor</b>	Vignana Bharathi Institute of Technology, Ghatkesar, Hyderabad	<b>November 2013</b>	<b>June 2014</b>	<b>8 Months</b>
<b>5</b>	Associate Professor & HOD	Siddhartha Institute of Technology and Science, Ghatkesar , Hyderabad,	<b>July 2013</b>	<b>October 2013</b>	<b>4 Months</b>
<b>6</b>	Assistant Professor	Anil Neerukonda Institute of Technology and Sciences, Visakhapatnam	<b>October 2010</b>	<b>June 2013</b>	<b>2 Years 10 Months</b>
<b>7</b>	Associate Professor & HOD	Nalanda Institute of Engineering and Technology, Guntur, ,Andhra Pradesh	<b>July 2009</b>	<b>June 2010</b>	<b>1 Year</b>
<b>8</b>	Lecturer	St. Peter's Engineering College, Chennai -54.	<b>March 2005</b>	<b>June 2009</b>	<b>4 Years 4 Months</b>
<b>9</b>	Teaching Assistant	Andhra University College of Engineering, Mechanical Engg.Dept.,	<b>October 2002</b>	<b>February 2005</b>	<b>2 Years 5 Months</b>

<b>10</b>	Faculty and Programmer	Social Computers (Franchisee of APTECH COMPUTER EDUCATION LIMITED), GUNTUR, Andhra Pradesh	<b>June 2000</b>	<b>July 2002</b>	<b>2 Years</b>
<b>11</b>	Tutor	Neica consultancy, Kubera Towers, Narayanaguda, Hyderabad	<b>October 1997</b>	<b>May 2000</b>	<b>2 Years 8 Months</b>

**Projects Handled:**

<b>UG</b>	<b>PG</b>
10	8

**List of Conferences/Workshops/Guest Lectures/STTPs attended:**

<b>S.No.</b>	<b>Title with page no.</b>	<b>Details of conference Publications</b>	<b>IS S N / IS B N N o.</b>	<b>No. of Co-authors and date of publication</b>
<b>1</b>	"Complete Shaking force and Shaking moment balancing of planar linkages"	National conference on Trends in Mechanical Engineering (TIME-2010), organized by A.G.Awate College of Engineering, PUNE, Maharashtra		B.S.K.Sundara Siva Rao March 5-7, 2010
<b>2</b>	"Kinematic analysis and Dynamic balancing of four-bar and Slider-crank mechanisms" pp.11-16.	National Conference on Advances in Mechanical Engineering (NCAME 2012) organized by Bapatla Engineering College, Bapatla, Guntur (Dt), A.P.		B.S.K.Sundara Siva Rao, K.Ramji March 27, 2012
<b>3</b>	"Effect of CNG substitution on the performance of Diesel engine at different injection operating pressures",	International Conference on Emerging Technologies in		S.Q.A.Pasha,Suman December 26-27, 2014,

	pp.90-94	Mechanical Science, organized by Malla Reddy College of Engineering and Technology, Hyderabad.		
4	“Consequences of CNG substitution on the exhaust emissions of Diesel engine at different injection pressures”, pp.95-99	International Conference on Emerging Technologies in Mechanical Science, organized by Malla Reddy College of Engineering and Technology, Hyderabad.		S.Q.A.Pasha,Suman December 26-27, 2014
5	Participated in 3 <sup>rd</sup> International Conference on “Recent Advances in Design, Development and Operation of Micro Air Vehicles (ICRAMAV-2014)”.	Organized during 5th-7th November, 2014 at JNTUH, Hyderabad		
6	Participated in the one-day faculty workshop on “Emerging Trends in Mechanical Engineering”	organized by Department of Mechanical Engineering, Vignana Bharathi Institute of Technology, Ghatkesar, Hyderabad		23.11.2013
7	Participated in Two-day Robotics Workshop Robotics-2013	Conducted by ARK Techno solutions at Siddhartha Institute of Technology and Sciences, zonal center of National Robotics Championship India 2013-2014.		20.09.2013 to 21.09.2013
8	Participated in the One-day workshop on “Vibrations and Rotor Dynamics”	Conducted by Department of Mechanical Engineering, Andhra University college of		30.11.2012

		Engg., Visakhapatnam, Under TEQUIP Program.		
9	Participated in the short term course on "Instructional design and Development system",	Conducted by Anil Neerukonda Institute of Technology and Sciences, Visakhapatnam,A.P.		13.06.2011 to 18.06.2011
10	Participated in the short term course on "Vibration and Noise for Practicing Engineers"	Organized by College of Engineering, Guindy, Anna University, Chennai		28.09.07 to 29.09.07.
11	Participated in the Faculty development programme on "Kinematics of Machinery"	R.V.S.College of Engineering and Technology, Dindigul, Tamilnadu.		11.12.06 to 23.12.06.
12	Participated in the short term course on "Instructional design and Delivery"	Conducted by NITTTR,Chennai at St.Peter's Engineering College, Chennai.		06.06.2005 to 10.06.2005
13	Participated in the short term course on "Students Guidance and Counseling"	Conducted by NITTTR,Chennai at St.Peter's Engineering College, Chennai.		05.08.2005 to 07.08.2005
14	Participated in National level workshop on "Emerging Trends in Materials and Manufacturing "	Conducted by St.Joseph's College of Engineering, Chennai.		01.08.2005

### List of Publications:

S.No.	Title with page no.	Journal	ISSN / ISBN No.	Whether peer reviewed. Impact factor, if any	No. of Coauthors
1	"Balancing of Stephenson's Mechanisms"	International Journal of Current Engineering and Technology, Vol.5 (3), pp.1683-1690, 2015.DOI: <a href="http://Dx.Doi.Org/1">http://Dx.Doi.Org/1</a>	E-ISSN 2277 – 4106, P-ISSN 2347 – 5161	Yes, G.I.F: 2.552	NIL

		0.14741/ijcet/2277 4106/5.3.2015.33			
2	“Complete shaking force and shaking moment balancing of 3 types of four-bar Linkages”	International Journal of Current Engineering and Technology, Vol.4 (6), pp.3908-3915, 2014. DOI: <a href="http://dx.doi.org/10.14741/ijcet/22774106/4.6.2014.25">http://dx.doi.org/10.14741/ijcet/22774106/4.6.2014.25</a>	E-ISSN 2277 – 4106, P-ISSN 2347 - 5161	<b>Yes, G.I.F:2.55 2</b>	<b>NIL</b>
3	“Complete Balancing of Planar Linkages”	International Journal of Advances in Vibration Engineering ( <b>Science Citation Indexed-Expanded Journal</b> ), Volume 12(2), pp.203-214, 2013.	ISSN:09 72-5768	<b>Yes, S.I.F:0.29</b>	B.S.K.Sund ara Siva Rao, K.Ramji
4	“Shaking force and shaking moment balancing of planar mechanisms with high degree of complexity”	Jordan Journal of Mechanical and Industrial Engineering, Volume 6(1), pp.17-24, 2012.	<i>ISSN</i> 1995- 6665	<b>Yes, J.I.F:0.692 1</b>	B.S.K.Sund ara Siva Rao, K.Ramji

#### Books published as single author or as editor

S.No.	Title with page no.	Type of Book & Authorship	Publisher ISSN / ISBN No.	Whether peer reviewed	No. of Co author and date of publications
1	“Shaking force and Shaking Moment Balancing of Planar Mechanisms”	Research Material	Lambert Academic Publishers-Germany,  ISBN: 978-3659-4841-2	No	Single author July 2014.

2.	Dynamic Balancing of Mechanisms and Synthesizing of Parallel Robots	Chapter 6: "Shaking force and Shaking moment Balancing of Six- and Eight-bar Planar mechanisms"	Springer  International Publishers, PP. 113-142;  ISBN 978-3-319-17682-6 (Print); ISBN 978-3-319-17683-3 (eBook); DOI: 10.1007/978-3-319-17683-3, 2016.	Yes	Single author (Book Chapter contributed)  2016
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**Achievements:**

S. No	Received Year	Title of the Award	Achievement	Given by
1	2007-2008	<b>Cash Incentive Award</b>	Received Cash Incentive Award for producing above 90% pass percentage in  1. Engineering Mechanics  2. Unconventional Machining Processes.	St. Peter's Engineering College, Chennai