



JSS MAHAVIDYAPEETHA

# JSS ACADEMY OF TECHNICAL EDUCATION

JSSATE Campus, Uttarahalli – Kengeri Main Road, Bangalore – 560060

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1. **NAME** : Prof. Vinayaka. N
2. **Designation** : Assistant Professor
3. **Name of the Dept.** : Mechanical Engineering
4. **Date of joining the Institution:** 03-10-2016
5. **Date of Birth** : 19-08-1988
6. **Father's Name** : Nagarajaiah.R.M
7. **Sex** : Male
8. **Nationality** : INDIAN
9. **Contact No.** : 9902385846
10. **E-mail ID** : vn28design.engg@gmail.com
  - a. **Correspondance** : # 03, 1<sup>st</sup> Main Road, Pattegarapalya,  
Bangalore – 560079, Karnataka, India.
  - b. **Permanent Address** : # 03, 1<sup>st</sup> Main Road, Pattegarapalya,  
Bangalore – 560079, Karnataka, India.
11. **Employment Type** : Permanent
12. **Educational Qualifications** : **B.E, M.Tech, ( Ph.D )**  
(In reverse Chronological Order)



Sl. No	Degree	Branch	Specialization	Year of passing	University
1	(Ph.D)	Mechanical Engineering	Gas Turbine Engines	Pursuing	NIT Durgapur
2	M.Tech	Mechanical Engineering	Machine Design	September 2012	VTU , Belgaum
3	B.E,	Mechanical Engineering	-	September 2010	VTU, Belgaum

13. **Service / Experience Details** : **04 years**  
(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	03-10-2016	Till date	0.1 years	Degree	Assistant Professor	JSS Academy of Technical Education, Bangalore 560060
2	01-08-2016	30-09-2016	0.2 years	Degree	Assistant Professor	Jain University, Bangalore-562112.

3	02-11-2012	30-07-2016	3.8 years	Degree	Assistant Professor	Nitte Meenakshi Institute of Technology, Bangalore - 560064
4						
<b>Total Experience</b>			<b>4 years</b>			

**b. Industrial Experience:**

Sl. NO	From	To	No. of years	Designation	Name of the Company
1	12-09-2011	12-08-2012	1 year	NPD Trainee	General Electric

**14. Membership in various University Boards / Committees / Other (Specify):**

Sl. No.	Body	From	To	Name of the University / Institution / Organisation
1	Board of Examiners			
2	Board of Studies			
3	Academic Senate			
4	Executive Council			
5	LIC                      MPCC			

**15. Awards :**

a. **“ASME Challenging Coin – Power Division 2016”** at ASME Power Conference 2016, USA, June 26<sup>th</sup> -30<sup>th</sup>, 2016.

b. **“Late Prof. N.Ch. Pattabhi Ramacharyulu Memorial Best Paper Award”**, Conferred at NIT Warangal, ICCHMT Conference, Nov 30<sup>th</sup> - Dec 2<sup>nd</sup>, India, 2015.

16. Details of Books published : Nil

17. Number of Ph.D. Guidance : Number of Ph.D’s awarded - 00

: Number of Ph.D.’s guiding - 00

18. Field of Expertise / Interest : Turbomachinery, Gas Turbine Engines.

19. Patents : 00

20. Projects

Sl. No.	Name of the project	Principal Investigator / Co-Investigato	Amount sanctioned From	Amount	Date of start of the project	Date of completion of the project	Outcome of the project
1	Electrical Power Generation using a Speed Breaker	Mr. Vinayaka. N / Dr . Desai Gowda. H.S	IEDC under DST	1,00,000/-	02-11-2015	20-05-2016	A Mechanism was designed to generate power from a speed breaker whose power generation varied wrt to vehicle weight, vehicle type, vehicle speed, no of passengers sitting in the vehicle.
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## 21. Details of Publications:

Google scholar link:

As on 30-10-2016

<b>Citation Indices</b>	<b>All</b>	<b>Since 2011</b>
<b>Citations</b>	<b>0</b>	<b>0</b>
<b>h-Index</b>	<b>0</b>	<b>0</b>
<b>i10-Index</b>	<b>0</b>	<b>0</b>

Number of papers published in International Journals : 07

Number of papers published in National Journals : 00

Number of papers published in International Conferences : 08

Number of papers published in National Conferences : 00

### a. Journals: International

<b>Sl. No.</b>	<b>Name of Co-Author</b>	<b>Title of Paper</b>	<b>Name of the Journal</b>	<b>Publisher</b>	<b>Publication citation ISSN, ISBN, Vol. No., Issue, pp</b>
1	Nilotpal Banerjee, B.S. Ajay Kumar, Kumar K Gowda	Numerical Investigation of Conjugate Heat Transfer and Flow Characteristics on Shrouds in a Gas Engine HP Compressor Blades	Procedia Engineering Journal	Elsevier	Vol.127, ISSN:1877-7058, pp.947- 954, <b>doi:10.1016/j.proeng.2015.11.441</b>

2 i.	Harinath.S.P, Srikanth.R, Madan.C, Anjan.S.Kumar, Avinash.L, Sandeep.G.M, Shreyas.G.M	Frequency Evaluation for Mechanical Integration Of Laced HP Turbine Blades in a Gas Turbine Rotor	Energy Procedia	Elsevier	Publication under progress
ii.3 ii. iii. iv.	Chandan.S.N, Sandeep GM	Design, analysis and optimization of race car chassis for its structural performance	IJERT	IJERT	Vol.5, Issue 07, July 2016, ISSN: 2278-0181 <b>Doi: 10.17577/IJERTV5IS070313</b>
4	Pavan Kumar A V, P B Shetty, Kiran Aithal S and Krithi H Kornaya	Design based Electrical Power Generation using a Speed Breaker – A Green Power Approach	International Journal of Current Engineering and Technology	IJCET	(IJCET-Aug 2014), Vol.4, No.4, ISSN: 2277-4106 , pp.2818-2822 (Impact Factor:2.552)
5	Pavan Kumar A V, P B Shetty, Kiran Aithal.S and Gowtham V	Design and Optimization of Helical Compression Spring for a Speed Breaker Application using Six Sigma Regression Tool	International Journal of Emerging Technology and Advanced Engineering	IJETAE	(IJETAE-2014), Vol. 4, Issue 8, August 2014, ISSN: 2250–2459. (Impact Factor: 2.324 )
6	Santhosh.N, Aswatha , Uday.M , Praveena.B.A	Computational Analysis and Design for Precision Forging of Aluminium AA 6061 Connector	International Journal of Computational Engineering Research	IJCER	(IJCER-2013), Vol. 03, Issue. 09, ISSN: 2250–3005, pp. 36-43. (Impact Factor:1.145)
7	Santhosh.N, Dr. P.B. Shetty, Srikanth.H.V	Production of Biodiesel from Milk Dairy Wash Water Scum and Study of its Characteristics	IJAIR	IJAIR	ISSN: 2278-7844, Vol.2, Issue 8, pp.191-196

b. Journals: National

<b>Sl. No</b>	<b>Name of Co-Author</b>	<b>Title of Paper</b>	<b>Name of the Journal</b>	<b>Publisher</b>	<b>Publication citation ISSN, ISBN, Vol. No., Issue, Impact Factor, pp</b>

c. Conferences: International

<b>Sl. No</b>	<b>Name of Co-Author</b>	<b>Title of Paper</b>	<b>Name of the Conference</b>	<b>Publisher</b>	<b>Publication citation ISSN, ISBN, Vol. No., Issue, pp</b>
1	Nilotpal Banerjee, B.S. Ajay Kumar, Kumar K Gowda	Aero- Structure Interaction for Mechanical Integration of HP Compressor blades in a Gas Engine Rotor	Proceedings of 28th International Conference on CARs and FoF	Springer	ISSN: 2195- 4356, pp. 807-819, doi: 10.1007/978-81-322-2740-3_78
2	Nilotpal Banerjee, B.S. Ajay Kumar, Kumar K Gowda	Aero-Structure Interaction for Mechanical Integration of laced LP Compressor blades in a Gas Engine Rotor	Power Conference 2016, USA	ASME	Publication under progress
3	Nilotpal Banerjee, B.S. Ajay Kumar, Kumar K Gowda	Effect of blade deflection angles, Pressure drop, work and flow co-efficients on stage performance of a gas turbine shrouded HP compressor blade	Power Conference 2016, USA	ASME	Publication under progress
4	Nilotpal Banerjee, B.S. Ajay Kumar, Kumar K Gowda, Tulsidas.D	Transient Stress Analysis and High Cycle Fatigue life Estimation of a Gas Turbine Shrouded HP Compressor Blade	Power Conference 2016, USA	ASME	Publication under progress
5	Kumar K Gowda, S.L.Ajit Prasad	Design Optimization of T-root geometry of a Gas Engine HP Compressor Rotor blade for lifing the blade against fretting failure	Power Conference 2016, USA	ASME	Publication under progress

6	Nilotpal Banerjee, B.S. Ajay Kumar, Kumar K Gowda	Numerical Investigation of Conjugate Heat Transfer and Flow Characteristics on Shrouds in a Gas Engine HP Compressor Blades	International Conference Computational Heat and Mass Transfer	NIT Warangal	Published in Conference Proceedings, NIT Warangal, India , Nov 30 <sup>th</sup> - Dec 2 <sup>nd</sup> , (2015),
7	Harinath.S.P, Srikanth.R, Madan.C, Anjan.S.Kumar, Avinash.L, Sandeep.G.M, Shreyas.G.M	Frequency Evaluation for Mechanical Integration Of Laced HP Turbine Blades in a Gas Turbine Rotor	International Conference on Recent Trends in Engineering, Science and Technology (ICRTEST) - 2016	St. Peters engineering College	Published in Conference Proceedings, St. Peters engineering College, Hyderabad, India during 25th- 27th October 2016
8	Pavan Kumar AV, Dr.Nilotpal Banerjee, Yeshodhara B,	Effective Optimisation Technique Using Bivariate Interpolation Methods	Proc. of the Third Intl. Conf. on Advances in Mechanical, Aeronautical and Production Techniques - MAPT 2015	Institute of Research Engineers and Doctors, USA	ISBN: 978-1-63248-059-0 <b>doi:</b> 10.15224/ 978-1-63248-059-0-63.
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ational conferences / Symposium / workshops

<b>Sl. No</b>	<b>Name of Co-Author</b>	<b>Title of Paper</b>	<b>Name of the Conference</b>	<b>Publisher</b>	<b>Publication citation ISSN, ISBN, Vol. No., Issue, pp</b>