Curriculum Vita

PERSONAL DETAILS



Name Prof. Sanjay

Qualification : Ph.D. in Mechanical Engg.
Designation : Professor, (since March 2008)

Mechanical Engineering Department

Current Employer : National Institute of Technology, Jamshedpur, INDIA

Date of Birth : 1st July 1969 (Age : 49 years)

Address of Correspondence : B-30, N.I.T, Campus,

National Institute of Technology, Jamshedpur, Jharkhand,

INDIA, Pin-831014

Contact Details : Email: sanjay.me@nitjsr.ac.in

2 91-657-2373813 ® Mobile: 91-9430738551

Fax: 91-657-2373246,

Recently completed 21-day MHRD sponsored Academic Leadership Programme (LEAP) at Nanyang Technological University Singapore organized in association with NIT Trichy.

Sole nomination from NIT Jasmhedpur as my Credit Points (NIT-RR) exceeds HAG scale requirements of 150 and is 200+.

ACADEMIC QUALIFICATION:

Degree Awarded	University	Name of Institute	Year	Class / Division Awarded	Percentage of Marks			
Bachelor of Engg. (Mechanical)	Gulbarga University, Gulbarga	P.D.A College of Engg., Gulbarga	1993	1 st Class	66%			
Master of Engg. (Mechanical) Thesis Title: Software Development for Design of Steam Surface Condenser	Allahabad University, Allahabad, INDIA	M.N.R. Engg. College, Allahabad, (Now M.N.N.I.T, Allahabad)	1998	1 st Class	69%			
Doctor of Philosophy (Ph.D) Mechanical Engg (2005)	Uttar-Pradesh Technical University, Lucknow	Title of Thesis: Thermodynamic Analysis of Gas/Steam Combined Cycle and Cogeneration Plants						

PROFESSIONAL EXPERIENCE:

Around 23 years of rich professional experience has been on credit-both in the industry and academic institute. Industrial experience has been with companies, which are leaders in their area of business. The industries include inspection of oil and gas pipelines, steam and gas turbine, pumps, blower, pressure vessels, structures, etc.

Since joining present teaching assignment at NIT, Jamshedpur about seventeen years back, I have been engaged in classroom teaching as well as Laboratory Teaching at both UG and P.G levels. The subjects engaged have been:

· Internal Combustion Engines

Gas Turbines
 Energy Conversion systems
 Refrigeration and Air-conditioning
 Project Management and Control

Engineering GraphicsNon-destructive testingWelding technologyPower Plant Engineering

AREAS OF RESEARCH:

- Gas Turbine based power cycle analysis
- Combined Cycle Power Plants
- CAD of Thermal Systems

Summ	ary of Employment d	etaus 		
S.No	Position Held	Employer	Period	Remarks
			(approx)	
1.	Joined as Assistant Professorupgraded to Associate Professor and promoted to Professor on 1 st March 2008	National Institute of Technology, Jamshedpur	Since March 2000 and continuing till date	Teaching and research experience of over 23 years with over ELEVEN years as Professor
2.	Inspection Engineer	<u>Tata Projects Ltd.,</u> <u>Hyderabad</u>	1.5 years	Third party inspection of eqpt. worth approx. US\$ 40,0000
3.	Senior Engineer, Inspection	Triveni Engg. And Ind. Ltd. New Delhi	2.5 Years	Inspection of Steam turbines
4.	Engineer (Petroleum Pipelines)	Punj Lloyd Ltd., New Delhi	1 Year	Inspection of cross- country buried petroleum pipeline worth US\$ 10,0000
5.	Assistant Engineer	Syner India Ltd. New Delhi	1 Year	Started working from August 1993

Academic/Teaching Experience (In chronological order from latest to oldest)

Position Held	Organization/ University	Duration		Experience
		From (Date)	To (Date)	
Professor of Mechanical Engg.	NIT Jamshedpur	1 st March' 2008	Continuing	11 years+
Associate Professor of Mechanical Engg.	NIT Jamshedpur	1 st Jan' 2006	29 th Feb' 2008	2 years 2 months
Assistant Professor of Mechanical Engg.	NIT Jamshedpur	1 st March' 2000	31 st Dec 2005	8 years

Ph.D. Supervised: SIX completed, Three ongoing

TITLE	YEAR
Investigation of Parameters Affecting the Energy and Exergy Performance of Inlet Air Cooled Combined Cycle Plant	2012
Thermodynamic Analysis of Gas Turbine System for Sustainable Energy Conversion	2012
Investigation of Parameters Affecting Thermodynamic and Emission Performance of Complex Gas Turbine Based Power Plant Cycles	2017
4) Thermal Analysis of Solid-Oxide-Fuel-Cell Based Advanced Hybrid Energy Conversion Cycles	2017
5) Exergoeconomic Analysis of Air Film Cooled Complex Gas Turbine Based Power Plant Cycles	2018
6) Thermodynamic Performance Prediction of Cooled Gas Turbine Cycle Based Power Plants	2019

Administrative Experience:

S.N.	Name of Role/ Designation details	Tenure
1	Dean (Student Welfare)- Responsible for overall growth and wellbeing of 3400+ students in the Institute. Budget of the Division Rs. 120lacs approx.	May 2018- onwards & Continuing
2	Dean (Industry and Alumni Relations)- Responsible for Collaboration with Industry and Alumni to achieve institute missions	Sept'2015 to May 2018
3	Member of Statutory ACoFAR and ACoNFAR committee which is a final stage scrutiny committee for Faculty and Non-faculty recruitment in the NIT system and frames scrutiny criterion	Dec 2017 onwards
4	Professor In-charge (Training & Placement) Division Achieved 90%+ Placements	2016 - 2017
5	Associate Dean (PG & Research) -Responsible for PG and Research courses of the Institute	2013 to 2015
6	Chairman (Library Committee)- Responsible for Training needs to 3000+ on-campus students and Placement of needs of 900+ students batch	2012 -2014 & 2016-17
7	Coordinator –Student Activities -Responsible for all student Extracurricular activities including Sports/Cultural/Technical festivals Cumulative event budget Rs 100lacs approx.	2011 to 2013
8	Convener Admission Committee (PG&R) -Responsible for Coordination of PG level and Ph.D. level admission process	2015 to 2017
9	Faculty Advisor (M.Tech-Thermal Engg.)	2015 to 2018
10	Post Graduate Studies Course Coordinator- Responsible for Coordination of the activities of Continuing Education Programme	2004 to 2006
11	Warden of Boys Hostel-G	2003 to 2009

RESEARCH/SCHOLARLY ACTIVITIES:

Research Output Listing: https://scholar.google.com/citations?hl=en&user=EeZG8psAAAAJ

Research Publications: 33 (in SCI Journals)

54 (in Scopus Indexed Journals)10+ (in International Conferences)

ResearchGate Score: 28.58

i-10 index : 20 h-index : 15

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Authors	Title	r	Source title	me	е	rt	d	DOI
								10.101
								6/j.appl
	Exergetic evaluation of gas-	2					_	therma
	turbine based combined cycle	0	A 11 1-1	4.0		4	4	leng.20
Mohapatra	system with vapor absorption	1	Applied Thermal	13		3	4	18.03.0
A.K., Sanjay	inlet cooling	8	Engineering	6		1	3	23
	Energy and evergy analysis of							10.101
	Energy and exergy analysis of air-film cooled gas turbine	2				1	1	6/j.appl therma
	cycle: Effect of radiative heat	0				4	4	leng.20
Mishra S.,	transfer on blade coolant	1	Applied Thermal	12		0	1	17.10.1
Sanjay	requirement	8	Engineering	9		3	3	28
- Jan.	Thermodynamic Performance							
	Prediction of Air-Film Blade							
	Cooled Gas Turbine Based	2						10.427
	Cogeneration Cycle for	0						1/2018
Mishra S.,	Marine Propulsion	1		2018	3-			-01-
Sanjay R.	Applications	8	SAE Technical Papers	Apri	l			1364
	Thermoeconomic							10.101
	investigation of basic and	2						6/j.jcle
	intercooled gas turbine based	0		4-		8	8	pro.201
Sahu M.K.,	power utilities incorporating	1	Journal of Cleaner	17		4	5	7.09.03
Sanjay	air-film blade cooling	8	Production	0		2	6	0
	Exergo-environmental Analysis of Basic and	2						10.427
Sahu A.,	Intercooled-Recuperated Gas	0						1/2018
Sahu M.K.,	Turbine based Aviation	1		2018	٦_			-01-
Sanjay R.S.	Auxiliary Power Unit	8	SAE Technical Papers	Apri				1376
		2	11.12 . 00.11.10di i apoi 0	7.1911	-			10.427
Mishra S.,	Advanced Exergy Analysis of	0						1/2018
Sohret Y.,	Air-Film Blade Cooled Marine	1		2018	3-			-01-
Sanjay R.	Gas Turbine (LM2500+)	8	SAE Technical Papers	Apri	I			1372
	Thermoeconomic,		•					
Sahu M.K.,	Sustainability and	2						10.427
Choudhary	Environmental Damage Cost	0						1/2018
T., Kumari	Analysis of Air Cooled CT7-7A	1		2018				-01-
A., Sanjay R.	Turboprop Engine	8	SAE Technical Papers	Apri				0774

Choudhary T., Sahu M.K., Sanjay R., Kumari A., Mohapatra A. Kumari A.,	Thermodynamic Modeling of Blade Cooled Turboprop Engine Integrated to Solid Oxide Fuel Cell: A Concept	2 0 1 8	SAE Technical Papers	2018 Apri				10.427 1/2018 -01- 1308
Sahu M.K., Sanjay R., Choudhary T., Mohapatra A.	Exergy and Emission Analysis of Evaporative Inlet Air- Cooled Gas Turbine Cycle	2 0 1 8	SAE Technical Papers	2018 Apri				10.427 1/2018 -01- 1271
Rathore S.S., Singh A., Kumar P., Alam N., Sahu M.K., Sanjay R.	Review of Exhaust Gas Heat Recovery Mechanism for Internal Combustion Engine Using Thermoelectric Principle	2 0 1 8	SAE Technical Papers	2018 Apri				10.427 1/2018 -01- 1363
Choudhary T., Sanjay	Novel and optimal integration of SOFC-ICGT hybrid cycle: Energy analysis and entropy generation minimization	2 0 1 7	International Journal of Hydrogen Energy	42	2 3	1 5 5 9 7	1 5 6 1 2	10.101 6/j.ijhy dene.2 017.04. 277
Choudhary T., Sanjay	Thermodynamic assessment of advanced SOFC-blade cooled gas turbine hybrid cycle	2 0 1 7	International Journal of Hydrogen Energy	42	1 5	1 0 2 4 8	1 0 2 6 3	10.101 6/j.ijhy dene.2 017.02. 178
Choudhary T., Sahu M.K., Sanjay	CFD Modeling of SOFC Cogeneration System for Building Application Parametric Analysis of Aero-	2 0 1 7	Energy Procedia	10 9		3 6 1	3 6 8	6/j.egy pro.201 7.03.08 7
Mishra S., Sanjay Y.	Derivative Gas Turbine: Effect of Radiative Heat Transfer on Blade Coolant Requirement Comparative	0 1 7	SAE Technical Papers	2017 Sept mbe	e			1/2017 -01- 2045 10.101
Sahu M.K., Sanjay	exergoeconomics of power utilities: Air-cooled gas turbine cycle and combined cycle configurations	2 0 1 7	Energy	13 9		4 2	5 1	6/j.ene rgy.201 7.07.13 1
Sahu M.K., Sanjay	Thermoeconomic investigation of power utilities: Intercooled recuperated gas turbine cycle	2 0 1 7	Energy	13 8		4 9 0	4 9 9	10.101 6/j.ene rgy.201 7.07.08

	featuring cooled turbine blades							3
Choudhary T., Sanjay	Thermodynamic assessment of SOFC-ICGT hybrid cycle: Energy analysis and entropy generation minimization	2 0 1 7	Energy	13 4		1 0 1 3	1 0 2 8	10.101 6/j.ene rgy.201 7.06.06 4
Sahu M.K., Sanjay	Comparative exergoeconomic analysis of basic and reheat gas turbine with air film blade cooling	2 0 1 7	Energy	13 2		1 6 0	1 7 0	10.101 6/j.ene rgy.201 7.05.02 5
Sahu M.K., Sanjay	Exergoeconomic investigation of power utility based on air film blade cooled gas turbine cycle	2 0 1 7	Applied Thermal Engineering	12 2		7 3 8	7 4 6	10.101 6/j.appl therma leng.20 17.05.0 52
Sahu M.K., Choudhary T., Sanjay Y.	Exergoeconomic Analysis of Air Cooled Turboprop Engine: Air Craft Application	2 0 1 7	SAE Technical Papers	2017 Sept	e			10.427 1/2017 -01- 2044
Sahu M.K., Sanjay	Investigation of the effect of air film blade cooling on thermoeconomics of gas turbine based power plant cycle	2 0 1 6	Energy	11 5		1 3 2 0	1 3 3 0	10.101 6/j.ene rgy.201 6.09.06 9
Choudhary T., Sanjay	Computational analysis of IR- SOFC: Transient, thermal stress, carbon deposition and flow dependency	2 0 1 6	International Journal of Hydrogen Energy	41	2 4	1 0 2 1 2	1 0 2 2 7	10.101 6/j.ijhy dene.2 016.04. 016
Kumari A., Sanjay	Thermo-environmental Analysis of Recuperated Gas Turbine-Based Cogeneration Power Plant Cycle	2 0 1 6	Arabian Journal for Science and Engineering	41	2	6 9 1	7 0 9	10.100 7/s133 69-015- 1835-2
Choudhary T., Sanjay	Computational analysis of IR- SOFC: Thermodynamic, electrochemical process and flow configuration dependency	2 0 1 6	International Journal of Hydrogen Energy	41	2	1 2 5 9	1 2 7 1	10.101 6/j.ijhy dene.2 015.10. 098
Sahu M.K., Choudhary T., Sanjay Y.	Thermoeconomic Investigation of Different Gas Turbine Cycle Configurations for Marine Application	2 0 1 6	SAE Technical Papers	2016 Octo		ı	-	10.427 1/2016 -01- 2228
Kumari A., Sanjay	Investigation of parameters affecting exergy and emission performance of basic and	2 0 1	Energy	90		5 2 5	5 3 6	10.101 6/j.ene rgy.201

	intercooled gas turbine cycles	5						5.07.08
				20				4
Kumari A., Choudhary T., Sanjay Y., Murty P., Sahu M.	Thermodynamic and Emission Analysis of Basic and Intercooled Gas Turbine Cycles	2 0 1 5	SAE Technical Papers	20 15- Se pte mb er	Se en er			10.427 1/2015 -01- 2426
Mohapatra A.K., Sanjay	Comparative analysis of inlet air cooling techniques integrated to cooled gas turbine plant	2 0 1 5	Journal of the Energy Institute	88	3	3 4 4	3 5 8	10.101 6/j.joei. 2014.0 7.006
Mohapatra A.K., Sanjay	Analysis of combined effects of air transpiration cooling and evaporative inlet air cooling on the performance parameters of a simple gas turbine cycle	2 0 1 5	Journal of Energy Engineering	14 1	3			10.106 1/(ASC E)EY.19 43- 7897.0 000184
Choudhary T., Sanjay, Murty P.	Parametric Analysis of Syn- Gas Fueled SOFC with Internal Reforming	2 0 1 5	SAE Technical Papers	20 15- Ap ril	A p r il			10.427 1/2015 -01- 1176
Mohapatra A.K., Sanjay	Thermodynamic assessment of impact of inlet air cooling techniques on gas turbine and combined cycle performance	2 0 1 4	Energy	68		1 9 1	2 0 3	10.101 6/j.ene rgy.201 4.02.06 6
Mohapatra A.K., Sanjay	Analysis of parameters affecting the performance of gas turbines and combined cycle plants with vapor absorption inlet air cooling	2 0 1 4	International Journal of Energy Research	38	2	2 2 3	2 4 0	10.100 2/er.30 46
Sanjay, Singh O., Agarwal M., Rajay	Energy and exergy analysis of brayton-brayton hybrid cycle for power plant applications	2 0 1 4	Engineering Letters	22	4	2 1 5	2 2 0	
Afeez A., Sanjay, Kumar A.	Application of CAD and reverse engineering methodology for development of complex assemblies	2 0 1 3	Journal of Engineering, Design and Technology	11	3	3 7 5	3 9 0	10.110 8/JEDT- 10- 2011- 0073
Sanjay, Prasad B.N.	Energy and exergy analysis of intercooled combustion-turbine based combined cycle power plant	2 0 1 3	Energy	59		2 7 7	2 8 4	10.101 6/j.ene rgy.201 3.06.05
Sanjay	Exergy and Energy Analysis of Combined Cycle systems with	2	International Journal of Energy Research	37	8	8 9	9 1	10.100 2/er.28

	Different Bottoming Cycle Configurations	1 3				9	2	92
Sanjay K.N.	Exergy analysis of effect of air/fuel ratio and compression ratio on rational efficiency of gas/steam combined cycle	2 0 1 3	Journal of the Energy Institute	86	1	4 1	4 8	10.117 9/1743 967112 Z.0000 000004 1
Mahapatra A.K., Sanjay	Performance analysis of an air humidifier integrated gas turbine with film air cooling of turbine blade	2 0 1 3	Journal of Energy in Southern Africa	24	4	7 1	8 1	
Mohapatra A.K., Sanjay	Analytical Investigation of Parameters Affecting the Performance of Cooled Gas Turbine Cycle with Evaporative Cooling of Inlet Air	2 0 1 3	Arabian Journal for Science and Engineering	38	6	1 5 8 7	1 5 9 7	10.100 7/s133 69-013- 0598-x
Mohapatra A.K., Sanjay, Prasad L.	Thermodynamic analysis of the effect of blade cooling methods on air humidifier integrated gas turbine cycle	2 0 1 2	Journal of the Energy Institute	85	2	6 1	6 9	10.117 9/1743 967111 Z.0000 000002
Shukla S., Murty P., Sanjay	Combined heat and power through biomass - An overview	0 1 1	SAE Technical Papers					
Shukla S., Murty P., Sanjay	Combined heat and power through biomass - An overview	2 0 1 1	SAE 2011 World Congress and Exhibition					10.427 1/2011 -01- 0319
Sanjay	Investigation of effect of variation of cycle parameters on thermodynamic performance of gas-steam combined cycle	2 0 1	Energy	36	1	1 5 7	1 6 7	10.101 6/j.ene rgy.201 0.10.05 8
Mandal S., Sanjay, Shrivastava R.	Implementation of an online teacher assessment/appraisal in technical education institution: A Case study	2 0 1 0	Turkish Online Journal of Distance Education	11	4	2 5	3 5	10 101
Sanjay, Singh O., Prasad B.N.	Comparative performance analysis of cogeneration gas turbine cycle for different blade cooling means	2 0 0 9	International Journal of Thermal Sciences	48	7	1 4 3 2	1 4 4 0	10.101 6/j.ijth ermalsc i.2008. 11.016
Sanjay Y., Singh O., Prasad B.N.	Erratum: Parametric analysis of effect of blade cooling means on gas turbine based	2 0 0	Journal of the Energy Institute	82	1	6		

				I				
	cogeneratio cycle (Journal of	9						
	the Energy Institute (2008)							
	vol. 82 (4))		Dross adings of the					
			Proceedings of the					
	Commonstive evaluation of	2	Institution of					10 104
Caralana	Comparative evaluation of	2	Mechanical					10.124
Sanjay,	gas turbine power plant	0	Engineers, Part A:	20		_		3/0957
Singh O.,	performance for different	0	Journal of Power and	22	4	7	8	6509JP
Prasad B.N.	blade cooling means	9	Energy	3	1	1	2	E671
	Parametric analysis of effect	2				_		10.117
Sanjay Y.,	of blade cooling means on	0				1	2	9/0144
Singh O.,	gas turbine based	0	Journal of the Energy			9	0	26008X
Prasad B.N.	cogeneration cycle	8	Institute	81	4	7	4	371040
								10.101
	Influence of different means				1			6/j.appl
	of turbine blade cooling on	2			7	2	2	therma
Sanjay,	the thermodynamic	0			-	3	3	leng.20
Singh O.,	performance of combined	0	Applied Thermal		1	1	2	08.01.0
Prasad B.N.	cycle	8	Engineering	28	8	5	6	22
			Proceedings of the					
			Institution of					
	Thermodynamic modelling	2	Mechanical					10.124
Sanjay,	and simulation of advanced	0	Engineers, Part A:			5	5	3/0957
Singh O.,	combined cycle for	0	Journal of Power and	22		4	5	6509JP
Prasad B.N.	performance enhancement	8	Energy	2	6	1	5	E593
								10.101
					1			6/j.appl
		2			7	2	2	therma
Sanjay Y.,	Energy and exergy analysis of	0			-	7	7	leng.20
Singh O.,	steam cooled reheat gas-	0	Applied Thermal		1	7	9	07.03.0
Prasad B.N.	steam combined cycle	7	Engineering	27	8	9	0	11
	Performance of integrated	2						
Sanjay,	combined and cogeneration	0	Proceedings of the			5	5	
Singh O.,	cycles using latest gas	0	ASME Turbo Expo			2	3	
Prasad B.N.	turbines	4	2004	4		9	6	
			American Society of					
	Thermodynamic evaluation of	2	Mechanical					10.111
Sanjay,	combined cycle using	0	Engineers, Power			3	3	5/POW
Singh O.,	different methods of steam	0	Division (Publication)			6	6	ER2004
Prasad B.N.	cooling	4	PWR	35		1	7	-52152
		2		•				
Sanjay,		0	Proceedings of the 200)3		5	5	
Singh O.,	Performance enhancement of	0	International Joint Pow			2	2	
Prasad B.N.	advanced combined cycles	3	Generation Conference	Э		3	9	
	,	2	American Society of					10.111
Sanjay, Sing	Thermodynamic evaluation of	0	Mechanical				1	5/GT20
O., Prasad	advanced combined cycle	0	Engineers,			9	0	03-
B.N.	using latest gas turbine	3	International Gas	3		5	1	38096
				<u> </u>	I		<u> </u>	200,0

			Turbine Institute, Turbo Expo (Publication) IGTI				
		2					
Sanjay,		0	Proceedings of the 2002	2	5	5	
Singh O.,	Thermodynamic performance	0	International Joint Powe	er	2	3	
Prasad B.N.	of complex gas turbine cycles	2	Generation Conference		9	5	

Selected List of Research Publications of SCI-indexed Journals during 2017 & 2018 (2 years)

Year of Publication	Title of Paper	Journal Name / SCI impact factor	Index Status
2017	Thermodynamic Assessment of Advanced SOFC-Blade Cooled Gas Turbine Hybrid Cycle	International Journal of Hydrogen Energy, (Elsevier) SCI Impact Factor: 3.659	SCI- Science Citation Indexed
2017	Thermodynamic assessment of SOFC-ICGT hybrid cycle: Energy analysis and entropy generation minimization	Energy (Elsevier) SCI Impact Factor: 4.801	SCI- Science Citation Indexed
2017	Wovel and Optimal Integration of SOFC- ICGT Hybrid Cycle: Energy Analysis and Entropy Generation Minimization	International Journal of Hydrogen Energy, (Elsevier) SCI Impact Factor: 3.659	SCI- Science Citation Indexed
2017	Comparative Exergoeconomics of Power Utilities: Air-Cooled Gas Turbine Cycle and Combined Cycle Configurations	Energy (Elsevier) SCI Impact Factor: 3.659	SCI- Science Citation Indexed
2017	Thermoeconomic Investigation of Power Utilities: Intercooled Recuperated Gas Turbine Cycle Featuring Cooled Turbine Blades	Energy (Elsevier) SCI Impact Factor: 3.659	SCI- Science Citation Indexed
2017	Exergoeconomic Investigation of Power Utility Based on Air Film Blade Cooled Gas Turbine Cycle	Applied Thermal Engineering.	SCI- Science Citation Indexed
2017	Comparative Exergoeconomic Analysis of Basic and Reheat Gas Turbine with Air Film Blade Cooling	Energy (Elsevier) SCI Impact Factor: 3.659	SCI- Science Citation Indexed
2018	Thermoeconomic investigation of basic and intercooled gas turbine based power utilities incorporating air-film blade cooling	Journal of Cleaner Production, Elsevier Journal	SCI- Science Citation Indexed
2018	Energy and Exergy Analysis of Air-film Cooled Gas Turbine Cycle: Effect of Radiative Heat Transfer on Blade Coolant Requirement	Applied Thermal Engineering. Elsevier Journal	SCI- Science Citation Indexed

TEACHING/COURSEWARE DEVELOPMENT:

- Developed a software package/learning resource to compute the various steam properties for the complete range in Mollier Chart with students.
- · Developed a software package / learning resource to compute to residual unbalance in rotors with students.

FOREIGN TRAVEL / ASSIGNMENTS:

- Presented research papers PWR2004-52152 in Baltimore USA(2004). Awarded 100% Travel Grant by AICTE to young teacher below 35 years.
- Presented research paper at World Congress of Engg. in U.C. Berkeley, USA(2008)
- Presented research paper at World Congress of Engg. in U.C. Berkeley, USA(2014)
- Presented research papers at SAE AeroTech Congress in Fort-Worth, USA (2017)
- Lead a team of 12 students as Faculty Advisor to participate in SAE BAJA 2010-Pretoria, South Africa
- Delegate of 21-day MHRD sponsored Academic leadership programme at **Nanyang Technological University Singapore** in association with NIT Trichy.

PROJECT / THESIS GUIDANCE:

Bachelor of Technology Project Guidance : TWENTY plus **Master of Technology (M.S level) thesis Guidance:** TWENTY plus

Sponsored Research Project: DST-SERB sponsored Core-Research-Grant of 50lacs

AFFILIATIONS/MEMBERSHIPS OF PROFESSIONAL BODIES:

Member of Society of Automotive Engineers (SAE-2019) Membership No. 7180219925

Institution of Engineers (INDIA) - Fellow (Membership No. M-145407-7)

HONORS/DISTINCTION/RECOGNITION BY INTERNATIONAL BODIES:

Invited to feature in the "Marquis Who's Who in Science & Engineering", published by Marquis Who's Who, Publ. New Jersey, USA http://www.marquiswhoswho.com/

VOLUNTARY WORK:

Reviewer of technical papers in Elsevier Journals (ENERGY, ATE, ES&T,ECM,AE etc), ASME amongst others.

REFERENCES:

• Prof. N.K.Jha,

Professor Mechanical Engg. Deptt. Manhattan College, Riverdale, NY 10471, USA. E-mail: <u>njha@manhattan.edu</u> Phone: 718-862-7441, http://www.engineering.manhattan.edu/mechanical/faculty/jha.html

• Rakesh K. Singh, Ph.D., P.E.

Lead, Liquid Applications R&D, Entegris, Inc.

129 Concord Road, Bldg. 2

Billerica, MA 01821, USA

Phone: 978.436.6556, Fax: 978.436.5745 Email: <u>rakesh_singh@entegris.com</u>

• Prof. Onkar Singh

Formerly Vice-Cancellor of MMMUniversity of Tech. Gorakhpur Prof. of Mechanical Engg. Department,

H.B.T.I, Kanpur, INDIA

Phone:+ 91- 9415114011 Email: onkpar@rediffmail.com

Signature of the faculty