Chief Patron: Dr. Ashok Shettar Vice Chancellor, KLE Technological University, Hubballi.

Patron<sup>.</sup> Prof. B. L. Desai Registrar. KLE Technological University. Hubballi.

Dr. P. G. Tewari Principal, BVBCET, Hubballi

Coordinators: Dr. Krishnaraja G. Kodancha Department of Mechanical Engineering BVBCET, Hubballi.

Shreeshail M. L. Department of Mechanical Engineering BVBCET, Hubballi.

Advisory Committee: Dr. C. S. Ramesh, Dean, Dayananda Sagar University, Bangalore

Dean, Dayananda Sagir University, I Anshuman Dube, Technical Director, Ducom Instrumen Dr. I. G. Siddhalingeshwar Dr. G. U. Raju Dr. V. N. Gaitonde Dr. A. S. Badiger Dr. P. P. Revankar Arun Y. Patil iments Pvt. Ltd., Bangalore

Arun Y. Patil ing Committee sh B.

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### About the College

The B. V. Bhoomanaddi College of Engineering and Technology (BVBCE1) was established in 1947 by the KLE Society, BVBCET, an autonomous institute, offers 12 UC and 8 PC programs atilitated to VIU, Belgatum, recognized by AICTE, New Delhi and accredited by NBA. Current annual student intake for Undergraduate & Poal Graduate programs is more than 1200. The active involvement of faculty in research has led to the recognition of 13 research centers by the University. Spread over 64 acres of land, the luxurious and picturesque campus comprises of various buildings with striking architecture. The institute has emerged as KLE Technological University from the academic year 2015-16.

### About the Department

About the Department offers an under-graduate program in Mechanical Engineering line towers a wide range of courses he fields of thermal and fluid sciences, engineering design, dymanics, control, materials and manufacturing and modeling and simulation; to suit the interests of students & meet the fludustry requirements. The department also offers poot graduate programs in Energy Systems Engineering and Machine Design. The department of Mechanica Exesarch Centre by Visvesvarva Technological University. Biogenu. A sophisticated range of equipment, state-of-the-art facilities and well-equipped labs ensure that students get the very best Opractical training. The CAD/CAM laboratory is well equipped to train the students in using ANSYS, Prof. ADAMS, CATIA, Hypermesh, LS Dyna, MasterCAM and AuGCAD 2000, A CNC laboratory with CNC huming braining to students.

#### About Hubballi City

About Hubballis City Hubballis the second largest city in Karnataka and is the industrial and commercial hub of north Karnataka. A host of Fnginaering Institutions, Snflwara Technology Park, Siddharudhamatt add commercial and spiritual dimensions to its character. The historical places such as Hampi, Badami, Ihube and Pattadakallu are located in 100-120 kms vicinity of the city.



### Registration Fees:

UG/PG students : Rs. 500 /-Faculty/Research Scholars : Rs. 1,000 /-Participants from Industry : Rs. 1,500 /-

# Duly filled registration form along with the DD drawn in favor of "Principal, BVBCET", payable at Hubballi, to be sent to the below address:-

Dr. Krishnaraja G. Kodancha Coordinator Professor, Dept. of Mechanical Engg. BVBGET, Vidyanagar, Hubballi 680031, Karnataka. Ph : +91 98865 98953 E-mail: kirishnaraja@gmail.com

Registration fee entitle the participants to the course materials, lunch and tea/coffee during the program.

AST DATE TO REGISTER : 20/09/2016

Resource Persons:

Professionals from R&D organizations, Industries and Academic Institutes of high repute will share the workshop platform to address the wide spectrum of theoretical and practical aspects in Tribology.

### Who can participate

- \* Faculty members of academic institutes interested in Tribology. \* Research scholars working in the areas of material
- Research conduct working in lute area of inaction friction, wear and lubrication.
   Researchers working in National laboratorics and Engineers working in Public and private sector enterprises working in the field of Tribology



### About the Workshop:

About the Worksnop: Tribology is the interdisciplinary science and technology of intracting surfaces in relative motion involving studies in the area of friction, wear and lubrication. The Important subject of Tribology does not get appropriate coverage in the engineering curriculum in our country. Inadeouted understanding about the principles and application of Tribology is one of the major reasons of failures in the industry, leading to poor productivity and higher material and energy losses. There is a strong need to promote the avademence of Tribology among our industries and academia. academia

Available of motogy among our industries and academia. It is with this background that the Department of Mechanical Engineering , BVBCET Hubballi is organizing the workshop on "Tribology – Study of Fridion, Wear and Lubincation" to reinforce the need for continued education in Tribology – an interdisciplinary science and technology. Tribology Society of initiatives to promote Tribology in India. The Society has Members from OI & Gas, Power, Otecl, Coment, Industrial R&Ds and academia from all over the country The program is infended to provide a platform for interaction between removined Tribologies of the country and the participants, comprising academicians, researchers and industrialists.

Objectives of the Workshop:

- Orgentree of the teaching competence in the relevant field.
   \* To enhance the teaching competence in the relevant field.
   \* To highlight the tribological applications.
   \* To teaching containing the field of Tribology.
   \* To explore recent developments in the area of Tribology.
- Program Topics:

Basics of Tribology: Friction, Wear and Lubrication, Surface Characterization in Inbology. Applied Inbology. Tribometers : Tribo-testing and performance, Bearing Tribology, Nano - Tribology, Bio - Tribology.

There will be practical sessions - demonstrations on Tribometers.

### For further information, please contact:

Editioned indication, piesase contact Shreeshall M. L. Workshop Coordinator – Tribology Asst. Professor Department of Mechanical Engineering, BV9CET, Hubballi. Ph: 491 - 9739766082 E-mail: shreeshall\_m@bvb.edu

#### **TEQIP** sponsored 3 Day Workshop

"Tribology - Study of Friction, Wear and Lubrication" 26th to 28th September 2016

Organized by cent of Mochanical Engineering, DVDOET, Hubballi.

REG	ISTRATION	FORM	
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NAME	:
DESIGNATION	:
URGANISATION	:
ADDRESS	:
MOBILE	
E-mail ID	:
DD for Rs.	:
DD no. with Date	:
Place	
Date	
Signature of the A	opplicant :
Signature of the H	lead of the Institution





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TEQIP sponsored 3 Day Workshop on

"Tribology - Study of Friction, Wear and Lubrication"

26<sup>th</sup> to 28<sup>th</sup> September, 2016. Venue: Department of Mechanical Engineering, KLE TECHNOLOGICAL UNIVERSITY Hubballi.

PROGRAMME SCHEDULE

### DAY 1 - 26<sup>th</sup> September, 2016 (Monday)

Venue: Seminar Hall - MBA, Dept. of Mech. Engg, KLE TECHNOLOGICAL UNIVERSITY Hubballi

08:00 – 09:00 am. 09:00 – 09:30 am.	Registration. (Mechanical Department Lobby – Ground floor) Breakfast, (Mechanical Department Lobby – 2 <sup>nd</sup> floor)				
09:30 – 10:00 am.	Inaugural Session- Chief Guest Dr. K. Venkateswarlu, Principal Scientist, CSIR-NAL, Bangalore.	Guest of Honour Dr. C. S. Ramesh Dean, Dayananda Sagar University, Bangalore.			
10:00 – 10:30 am.	Group Photograph & Hi Tea				
10:30 – 12:00 pm.	Tech. Session 1 Theme : Tribology of metal matrix Speaker : Dr. C. S. Ramesh, Dean, De	composites (MMCs) ayananda Sagar University, Bangalore.			
12:00-01:30 pm.	Tech. Session 2 Theme : Tribology in Aerospace In Speaker : Dr. K. Venkateswarłu, Prin	dustry. icipal Scientist, CSIR-NAL, Bangalore.			
01:30-02:15 pm.	Lunch Break				
02:15–03:45 pm.	Tech. Session 3 Theme : Wear Studies. Speaker : Dr. I.G. Siddhalingeshwar UNIVERSITY Hubballi.	, Associate Professor, KLE TECHNOLOGICAL			
03:45-04:00 pm.	Tea Break				
End of day I					



2

### DAY 2 - 27th September, 2016 (Tuesday)

Venue: Seminar Hall - MBA, Dept. of Mech. Engg, KLE TECHNOLOGICAL UNIVERSITY Hubballi

09:00-09:30 am.	Breakfast. (Mechanical Department Lobby - 2nd floor)

09:30 am to 05:00 pm: DUCOM Industry experts/Demonstration.

09:30 – 10:30 am.	Tech. Session 4 Theme : Industrial Tribology. Speaker : Mr. Malikarjun and expert team, Masagor – marketing & sales, South Asia, DUCOM Instruments Prt. Lal., Bangelore.
10:30 – 10:45 am.	Tea Break
10:45 – 11:45 pm.	Tech. Session 5 Theme : Tribological approach to development of future Automotive technology. Speaker : Mr. Rishi Mukherjee, Product Manager, DUCOM Instruments Prt. Ltd., Bangalore.
11:45 – 12:45 pm.	Tech. Session 6 Theme : Tribology - at a glance. Speaker : Mr. Manish Kumar, Design Engineer, R&D, DUCOM Instruments Prt. Ltd., Bangulore.
12:45 – 01:30 pm.	Lunch Break
01:30 – 03:30 pm.	Practical Session 1 and 2: Demonstration - Tribometers Experts: DUCOM Instruments Pvt. Ltd., Bangalore.
03:30 – 03:45 pm.	Tea Break
03:45 – 04:45 pm.	Practical Session 3: Demonstration - Tribometers Experts: DUCOM Instruments Pvt. Ltd., Bangalore.
End of day 2	



DAY 3 - 28th September, 2016 (Wednesday)

 Venue: Seminar Hall - MBA, Dept. of Mech. Farge, KLE TECHNOLOGICAL UNIVERSITY Hubbali

 09:00 - 09:30 am.
 Breakfort (Mechanical Department Lobby - 2<sup>rd</sup> floor)

 09:30 - 11:00 am.
 Tech. Session 7

 Them:
 Chillenges in NVH Simulations - Role of Friction.

 Speaker:
 Mr. Harkknink Reddy, Senser Technical Speciality, Aharr Eng. Pit. Ld., Bagedre.

 11:00 - 11:15 am.
 Tech. Session 7

 Theme:
 Role of thermal spray coatings in improving resistance to crossion. Speaker: Dr. M. R. Ramesh, Act. Professor, Mechanical Dept., NT-K. Surankat.

 12:45 - 01:30 pm.
 Tech. Session 7

 Theme:
 Techology of Manufacturing Processes.

 Speaker:
 Dr. M. R. Ramesh, Act. Professor, Mechanical Dept., NT-K. Surankat.

 01:30 - 03:30 pm.
 Tech. Session 7

 Theme:
 Theology of Manufacturing Processes.

 Speaker:
 Dr. Katchardhar D., Ast. Professor, Mechanical Dept., NT-K. Surankat.

 03:00 - 03:30 pm.
 Tech. Session 9

 Theme:
 Theology of Manufacturing Processes.

 Speaker:
 Dr. Katchardhar D., Ast. Professor, Mechanical Dept., NT-K. Surankat.

 03:00 - 03:30 pm.
 Tech. Session 7

 Ottom:
 Tech. Session 7

 Torme:
 Theology of Manufacturing Processes.

Looking forward to meet you at the next BVBCET - Tribology event....



Invited Speakers – Academic and Industry Experts Daiof Dia

Briet	BIO-data	

Name	Dr. C. S. RAMESH
Date of birth	22-03-1962
Present Position Held	Dean,
	Dayananda Sagar University,
	Bangalore.

Has <u>ZS v years of teaching experience</u>.
 Recipient of <u>State Government Award - Satah Dhawan Award</u> for Young Engineers from Karnataka State Government – Outstanding Contribution to Engineering Science-2008.
 <u>Sudharshan Bhat Award</u> from 1.1.T. Madras 1992.
 <u>Best Research Polikation Award by IOSTI Violen Group of Science & Technology, Karnataka 2010</u>.
 Guidance to Studentis <u>Hip</u>. John of Sudents awarded – <u>12</u>
 <u>Violing Professor</u> at School of Design Engineering & Computing, <u>Bournemouth University (U.K.)</u> in 2012

- 2012. <u>Research Area</u> - Composites, FEM studies and Tribology.

Research Papers/ Publications

Publications	Numbers
Papers published in International Refereed Journals	50
Papers published in National Refereed Journals	05
Papers published in International Conferences	52
Papers published in National Conferences	28

	Tribology Society of Indi
Chapters in <u>Books</u>	04
Reports	06

1000		University / Institute/ Board	Subject / field
1988-	PhD	Indian Institute of	Metallurgical
1992		Technology, Madras,	Engineering/Composite
		Chennai	Coatings-Academic
			Distinction
1986- 1988	M.E	Bangalore University/ MSRIT, Bangalore	Mechanical Engineering/ Metal Casting- First Class Distinction
			Mechanical Engineering
1980- 1984	B.E	Bangalore University/ U.V.C.E Bangalore	First Class



Invited Speakers – Academic and Industry Experts <u>Brief Bio-data</u>



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Brief resume of Dr K. Venkateswarl

Dr Venkateswarlu did his degree in Metallurgical Engineering and M. Tech in Engineering Materials from NIT, Bhopal in 1995 and completed his PhD in metallurgy and materials engineering from IIT, Kharagpur in 2000. He is presently working as a Principal Scientist in Materials Science Division at National Aerospace Laboratories, Bangalore, and working in CSIR for the past 31 years. He is the recipient of Prof P. Banerjee Memorial award for his best M. Tech thesis in 1996 and after that, he had been to Japan for 6 months to undergo advanced training on NDT. In 2004, he went to University of Southern California, Los Angeles, USA for his post doc work.

In 2009, he had been to Russia and presented his work on ultra-fine grained aluminum alloys. In 2011, he had been to China and presented his talk on nanostructured Al alloys. During Sep-Oct 2014, he visited Miskolc University, Hungary and delivered talks on advances in processing of Al alloys. On his personal trips, he visited Germany, Belgium, Switzerland, France and Slovekia. In 2015, he went to Shanghai and chaired a session in an international conference and also presented an invited talk.

Dr Venkateswarlu has published ~74 International papers and 135 National and international conference papers. He has guided, 5 M. Tech and 4 PhD students, and presently 6 PhD students are working with him. He is a "Fellow" of Institution of Engineers (India) Kolkata, CSIR Raman fellow, and Professor of Academy CSIR.



Invited Speakers – Academic and Industry Experts Brief Bio-data Dr. Siddhalingeshwar I G

Born on March 06, 1972 at Hubli in the state of Karnataka, India, obtained undergraduate and master's degree in Mechanical Engineering from B.V.B. College of Engineering and Technology, Hubli, Karnataka, and then, joined as a faculty in the Department of Automobile Engineering in the same simistitue. In the year August 2010 obtained doctoral degree from Department of Metallurgical and materials Engineering, IIT, Kharagpur. He is presently working as a faculty and also as Faculty Coordinator, Academics at BV.B. College of Engg. & Tech., Hubli, Karnataka. His research interest is Deformation processing of metal matrix composites and has nearly 20 publications in International Journals and conferences.



Invited Speakers – Academic and Industry Experts Brief Bio-data

Name- Dr. D. Age-34 Years	СНАН	KRADHAR			IQ		
Present position / working at	Assistant Professor Department of Mechanical Engineering National Institute of Technology Karnataka, Surathkal (NITK)						
Contact Details	Email- ID- <u>chakradhar.dupadu@gmail.com</u> <u>chakradhar.d@nitk.cdu.in</u> Mobile -+91-9945840896						
Education		Degree	Year	Subject	University/Institution		
Details	1	Ph. D	2012	Mechanical Engineering	NIT Warangal, India		
	2	M. Tech	2006	Advanced Manufacturing Processes	NIT Warangal, India		
	3	B. Tech	2004	Mechanical Engineering	SriKrishnadevaraya University, Anantapur, India		





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	S.No	Name of	Reg.	Thesis Title	Other	Completed/
Ph.D. Research		Student	Year and Status		Supervisor(s)	Ongoing
Supervision	1	G. Venkatesh (ME12F03)	2012, FT	Machinability of Inconel 718 by Hot machining	None	Ongoing
	2	Sachin Kumar (ME12P10)	2012, PT	Experimental studies on Friction Stir Welding	Prof. Narendranath (Mech.)	Ongoing
	3	Priyaranjan Sharma (ME13F05)	2013, FT	Wire Electro Discharge machining	Prof. Narendranath (Mech.)	Thesis Submitted
	4	P. Sivaiah (ME14F21)	2014, FT	Cryogenic turning of 17-5 PH stainless steel	None	Ongoing
	5	Vinay Varghese (ME15E27)	2015, FT	Cryogenic milling of nickel based super	Dr. M.R Ramesh (Merch)	Ongoing



	Invited Speakers - Academic and Industry Experts Brief Bio data
Dr. RAMESH M.R.	
Assistant Professor	
Department of Mechanical E Srinivasanagara – 575025 M	ngineering National Institute of Technology Karnataka Surathkal, PO angalore DK, Karnataka State, INDIA
Phone: +91 094805 40801	
+91 824 2473677	
Fax: +91 824 2474058	
Email: ramesdmt@gmail.com	n, rameshmr@nitk.edu.in
RESUME	Email: ramesdmt@gmail.com, rameshmr@ntk.edu.in
Thermal Spray Coatin Erosion, Oxidation &	Biomaterials, Materials Characterization, Biomaterials, Machining, Wear, Hot Corrosion, Severe Plastic Deformation, Castings
ACADEMIC RECORD	RD B
Institution	: Indian Institute of Technology Roorkee, Roorkee.
Thesis Title	: Studies on the Role of HVOF Coatings in Improving Resistance to Hot Corrosion and Erosion
Year of completion	: 2008
> POST GRADUATION : Specialization	M.Tech ( Mechanical Engineering ) : Manufacturing Science and Engineering
Institution	: M.S. Ramaiah Institute of Technology, Bangalore.
University	: Visveswaraiah Technological University.
Year of Passing	: February 2002.
Results	: 1 $^{\rm st}$ class with distinction @ 75.20% aggregate (Secured university third rank)
	12

		Tribology Society of India
>	GRADUATION	: B.E. (Mechanical Engineering)
	Institution	: Siddaganga Institute of Technology, Tumkur.
	University	: Bangalore University.
	Year of Passing	: Aug. 1999.
	Results	: I " class with distinction @ 67.03% aggregate
*	PRE – DEGREE • Year of Passing Result	Examination Pased : S.S.L.C. : 1993
	Examination Passed	PUC
	Year of Passing	: 1995
	Result	: 71.16 %
* *	WORK EXPERIENCE Institution : Designation : Duration :	2: (present to previous) National institute of Technology Karnataka, Surathkal Assistant Professor December 2012 – Till date
۶	Institution : Designation	M.S.Ramaiah Institute of Technology, Bangalore. : Associate Professor
	Duration	: April 2011 – December 2012
٨	Institution : Designation	Reva Institute of Technology and Management, Bangalore. : Assistant Professor
	Duration	: July 2008 – April 2011
۶	Institution : Designation	Nitte Institute of Technology, Bangalore. : Assistant Professor
	Duration	: September 2002 – July 2003, February 2008 – July 2008
A	Institution : Designation	Vivekananda Institute of Technology, Bangalore. : Lecturer
	Duration	: May 2000 - Oct. 2000



### RESEARCH PUBLICATIONS/BOOKS:

Research Publications: 25 papers in international journals and 19 papers published in confe proceedings.

#### Journal Put

- M.R. Ranneh, S. Prakash, S.K. Nath, Pawan Kumir Supon, B. Verkataraman, Solid particle erosion of HVOF quryed WC-CuPUCrEGH catings, Wear, Volume 240, p139–035, 2010 M.R. Rannes, J.S. Pankash, S.K. Nath, Pawash Kumara Sayara, and N. Krishnamurthy, Evaluation of thermocyclic oxidation behavior of HVOF-copyred MICFGH catings on boiler table attech, Journal of Thermal Spray Technology, Volume 240, p149–p140, 2011 p. P. Mandama, M.R. Ramesh, Canadrastian and annu et herbins of plasma-paryed AUX0ard ZOXEAD cataling on cash iron substrate, J. Mater 54, Volume 54, p569–558, 2010 P. Kruhnamurthy, M. Sunzil, P. G. Mukanda, M. R. Ramesh, Vave Tehebrar of Plasma-Saryed AUX0ard Coxtension on Cast two Substrate, International Journal of Materinia Science, Volume 54, p050–558, 2010 Pawan Kumar Sarye, Surendra Singli, Sary Pakash, M.R. Ramesh, Tewate Temperature solid particle enrosion profile and and Cash Science, Volume 54, Journal et al. 2010 All Science, Volume 54, post-264, 2010 Pawan Kumar Sarye, Surendra Singli, Sary Pakash, M.R. Ramesh, Tewate Temperature solid particle enrosion profile and and All Science, Volume 54, Nutret Cash, Volume 54, p157–566, 2010 Pawan Kumar Sarye, Surendra Singli, Sary Pakash, M.R. Ramesh, Tewate Temperature solid particle enrolsion profile and All Science, Volume 54, Nutret Science, Volume 54, Nut 51
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- perioritanes to anazora ana ni lozi composite coatings, im. J surrate sonce and singletering. Volume 4, No. 4/No. Hogdochazona, Udaya Blark R, Ramoth NA, Near studies on varcipat de hate trated Minnini, Tanaina and Supero Javano and Angelied Sciences and trajnetering Research, Volume 1, No. 1, pol6 117, 2012 Gog LR, Mohandas K, Reddapa JA NM, R. Rameh, Ducatinestianio of A A Casta and Hest Treated Auminium 605/JZroon and/Graphite Particulate Hybrid Composites, International Journal of Engineering and Advanced Tenhology Joulnas J, Joues 5, pal40-448, 2013 N. Ragidenewaran, K Udaya Blark, A Datal Monaria d Scientific Experientig Research, Volume 4, Suse 6, p241-320, 2013



- deeswaran, K. Udaya Bhat and M. R. Ramesh, Improving Hot Corrosion Resistance of Cobalt Based Super :o-605) Using HVOF Sprayed Oxide Alloy Powder Coating, Trans Indian Inst Met, Volume 68, Suppl 2, pS:

- W. Jagederwaran, K. Lidaya Blata and M. R. Ramchi, Improving not survivous immediate the super CoSO July (NUMP Soyard Octo Allay Powder Casting, Trans Indian Int Met, Volume 68, Suppl 2, pS240– S318, 2015
   Narendra Rathore, M.R. Ramch, Design of Universal Test Big and Virtual Experimentation of Hydraulic Circuit for Testing of Line Replacement Unix, International Journal of Scientific & Engineering Research, Volume 68, Suppl 2, pS240– S318, 2015
   Samanufanta, Backina Kaddi, M.R., Kamelin and C.S. Bannek, Hight Impropende consolon Ethiolous of HVGD 19, Samanufant, Backina Kaddi, M.R., Kamelin and C.S. Bannek, Hight Impropende consolon Ethiolium of HVGD 19, Bargond Soni, Nareodranah S. and Rameh M. R., Stiffect of machining parameters on wire electro dicharges anahining of Jaage memory alloga analysica using Grey embory method<sup>-1</sup> a publicities of the Science and And presented in to 100. NIERMANIAL, CONFERENCE on "Advances in Mechanical Material Science And presented in to 100. NIERMANIAL, CONFERENCE on "Advances in Mechanical Material Science Material Science and Applied Physics' (MAGLAP 3035) at 11. Was Dealth India Dealth Science and the Science and Applied Physics' (MAGLAP 3035) at 11. Was Dealth India Dealth Science and Applied Physics' (MAGLAP 3035) at 11. Was Dealth India Dealth Science and Applied Physics' (MAGLAP 3035) at 11. Was Dealth India Dealth Science and Applied Physics' (MAGLAP 3035) at 11. Was Dealth India Dealth Science and Applied Physics' (MAGLAP 3035) at 11. Was Dealth India Dealth Science and Applied Physics' (MAGLAP 3035) at 11. Was Dealth India Dealth Science and Applied Physics' (MAGLAP 3035) at 11. Was Dealth India Dealth Applied Science and Applied Physics' (MAGLAP 3035) at 11. Was Dealth India Dealth Applied Science and Applied Physics' (MAGLAP 3035) at 11. Was Dealth India Dealth Applied Science and Applied Physics' (MAGLAP 3035) at 11. Was Dealth India Dealth Applied Physics' (MAGLAP 3016) AGLAP 3035) at 11. Mas Dealth India Dealth Applied Physic

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- N. Jegadeswarm, B. Somaandar, Rameth MJ, Stadie on the application of Rajid Prototyne for the Medical IRGY, taboland Conference on Design, Manufacture and Managament for Neural Constraints, Cospit Spatienting, Collega, Jegadeswaran, N. Udiya Bhat, E., Ramesh, M. R, Wara behavior on as-received and heat treated turbine balad solicy. Proceedings of look risk: Cost on Advanced Materials (Films of Tech. Sangator, pp32-0, 2012) Jegadeswaran N, Ramesh MJ, Udiya Bhat S, Improving Into Conscion Resistance of Costal Based Superality Ling (POV) Seryed Obids Alloy Powel's Costance Materials (Films of Tech. Sangator, pp32-0, 2012) Head Balance MJ, Kang MJ, K
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- B. Somssundaram, Rankiran Kadoli, M. R. Ramch, High temperator existation studies of MVD's paywell VC-CC-M cosing on bolier tube steels, international conference on advances in materials, multiduturing and conference on advances in the steel of the steel 400/55 ducies of the steel 400/55 ducies of the steel 400/55 ducies of the steel 400/55 ducies of the steel of the

Co-authored book titled "Elements of Mechanical Engineering" – A text book for I/II semester B.E. of VTU syllabus, Suggi Publishing, Bangalore.

- RESEARCH PROJECT: Principle Investigator for the project "Development of HVOF graved cermets coatings in improving resistance to hot corrosion and erosion of gas turbine alloys" granted by A8 India Council for Technical Education during 2013 with finding c9R x13, 10,000

### \* RESEARCH STUDENTS REGESTERED FOR PhD UNDER GUIDANCE:

- RESEARCH STUDENTS REGESTERED FOR PhD UNDER GUIDANCE: Mr. Iegadessauxa. Nearaidel PhD av MLN, Sarahkal in twy are 2014. Student Student Student Student Student Student Student Student Student Mr. Student Student Student Student Student Student Student Student Mr. Nearain Naka Registered for PhD at NITS, Sarahkal in the year 2013 (Supervisor) Mr. Nearain Student Student Student Student Student Student Student Student Mr. Student Student Student Student Student Student Student Student Mr. Student Student Student Student Student Student Student Student Mr. Student Student Student Student Student Student Student Student Mr. Student Mr. Student Stude

### PERSONAL DETAILS

Father's Name	:	Rangarasaiah M.R.
Date of Birth	:	7 <sup>th</sup> October 1977
Nationality	:	Indian
Gender	:	Male
Marital Status	:	Married
Languages Known		Kannada, English & Hindi



Brief Bio-data

[Kind Request- If not in the below format,	you can forward us the bio-data in any other format which has below information's.]			
Name -				
Hari Krishna Reddy				
Age / DOB- 29 Years – 21-01-1	987 September 2014			
Present position / working at	Altair India Pvt Ltd.			
Contact Details	Email- ID - <u>krish.reddy.iisc@gmail.com</u> Mobile / Off. Landline - +91- 9591756245			
Education Details	M.E. in Mechanical Engineering, Indian Institute of Science, 2010. Dissertation Title: Analytical and Numerical Prediction of Breakout Noise from Non Circular Cylindrical Shells. Overall (CR2) 6 582.			
	B.E. in Mechanical Engineering, University College of Engineering, Osmania University, 2008.			
	Dissertation Title: Development of Web Based Inventory Management System for a Typical Manufacturing Industry			
	Overall Percentage: 84.4%, 1stRank (University Gold Medalist).			
	<ul> <li>Working at Altair Engineering Technologies, Bangalore since Aug 2014 to till date.</li> </ul>			
Work Experience	Worked as Sr. Engineer at EATON Technologies, Pune since Nov 2013 to Aug 2014			
	<ul> <li>Worked as Deputy Manager at Mahindra Engineering Services (MES, M&amp;M), Chennai since Aug 2011 to Oct 2013.</li> </ul>			
	Received "Beyond and Above Excellence" award for analyzing and solving the transmission rattle problems in Medium Duty ushield with Esten Transmission			
Achievements and Awards	<ul> <li>"Spot Award" for good performance at Mahindra &amp;</li> </ul>			





Brief Bio-data

[Kind Request- If not in the below format,	you can forward us the bio-data in any other format which has below information's.]		
Name - MANISH KUMAR Age / DOB -Sept 19, 1990 (26 Y	rs)		
Present position / working at	Design Engineer (Research and Development), Mechanical Division at DUCOM Instruments Pvt. Ltd., Bengaluru		
Contact Details	Email- ID - manish.k@ducom.com Mobile / Off. Landline - +91-9900049115		
Education Details	B.Tech (Mechanical Engineering)- IIT(BHU), Varanasi M.Tech (Machine Design)- IIT(BHU), Varanasi		
Work Experience	2 years 2 months		
Achievements and Awards			
Publication Information			
Any other info to share			

#### AGENDA

#### About the Workshop:

Tribology is the interdisciplinary science and technology of interacting surfaces in relative motion involving studies in the area of friction, wear and lubrication. The important subject of Tribology does tog et appropriate coverage in the engineering curriculum in our country. Indequate understanding about the principles and application of Tribology is one of the major reasons of failures in the industry, leading to poor productivity and higher material and energy losses. There is a strong need to promote the awareness of Tribology among our industries and academia.

It is with this background that the Department of Mechanical Engineering , BVBCET Hubballi is organizing the workshop on "Tribology – Study of Friction, Wear and Lubrication" to reinforce the need for continued education in Tribology – an interdisciplinary science and technology, Tribology Society of India – Karnatak chapter (TSI), is engaged in a variety of initiatives to promote Tribologin India. The Society has Members from OII & Gas, Power, Steel, Cernent, Industrial R&Os and acdemia from all over the country. The program is Intended to provide a platform for Interaction between renowned Tribologists of the country and the participants, comprising academicians, researchers and industrialists.

#### Program Topics covered:

Basics of Tribology, Friction, Wear and Lubrication, Surface Characterization in Tribology, Applied Tribology, Triboneters: Tribo-testing and performance, Bearing Tribology, Nano - Tribology, Bio -Tribology.

#### ABOUT PRACTICAL TRAINING

Demonstration on 3 tribometers -

- LRT Linear reciprocating tribometer.
   Single v-block Tribometer.
   Scratch testing machine POD machine.

### OUTCOMES BVBCET TRIBOLOGY WORKSHOP 2016

#### Outcomes of the Workshop:

- Enhanced the teaching competence in the relevant field.
- Got thorough highlight/s about different tribological applications.
- Identified challenges in the field of Tribology.
- Explored recent developments in the area of Tribology.

Registration details of all Participants -

	CATEGORY	Total No. of Participants	<u>Remarks</u>
s	<u>S</u> tudents UG / PG	47	
F	Faculty / Research Scholar	11	
I	Industry Participants	01	
	Total	59	

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<u>SI. No.</u>	NAME	INSTITUTION / UNIVERSITY
1	Akshavkumar A Varnakar	
2	Anith S	
2.	Anili Virunakebanna Maradi	
J.	Choton C. Jodhov	
4. E	Cupto Anich kumar Komloch Proced	
5. 6	Jagodich Renopponovor	
0.	Vironkumor Sokri	
1.	Mahantash Tidri	
0.	Mallikeriun	
9.	Mahammadhuasain Tahasildar K	
10.	Debut O Neile	
11.	Ranul S Naik	KIET-sh University
12.	Rajasneknar V	KLE Tech University,
13.	Ramappa Madar	BVB Campus Hubii.
14.	Ramesh Konaraddi	
15.	Ramesh Tigadi	
16.	Santosh Setty S	
17.	Savitri Ramesh Bagari	
18.	Suhas Kulkarni	
19.	Sunil Jagadish Gejji	
20.	Vadiraj M Korti	
21.	Vishal Shivanand Bhairashetti	
22.	Gurudatta Nagesh Vernekar	
23.	Jishaan Sirsangi	
24.	Sharanagouda Biradar	

### Registration Details [CATEGORY: UG/PG STUDENT]

Page 2 of 4

25.	Sagar S Girimath				
26.	Vivek Magadum				
27.	Naik PAragpushp Pandurang				
28.	Manoj D Bagare				
29.	Mahesh S Rashinkar	KLE Tech University.			
30.	Mohammadhanif Tatwanagi	BVB Campus Hubli.			
31.	Chetanakumar Shankar Chavan				
32.	Sidramappagoud Patil				
33.	Chandrashekhar Hiremath				
34.	Ganesh M Mudennavar				
35.	Jyotiba Ashok Jadhav				
36.	Santosh Naik				
37.	Tulajaram D Kamble	KI E Tooh University			
38.	Pavan Mutalikdesai	BV/P Compus Hubli			
39.	Niteesh V Havalagi	BVB Callipus Hubil.			
40.	Arun Huddhar	SDMCET, Dharwad (Mob- <b>7204137476</b> )			
41.	Jagadeesh M Kadrolli	JNNCE, Shivamogga (Mob- 9901931727)			
42.	Rajat M.L.	VDRIT, Haliyal (Mob- <b>9986585197)</b>			
43.	Syed Shahrukh Md.	PDA College of Engineering, Gulburga			
44.	Youhizama	( 9/425/0863 ; 7259576075 ·			
45.	Syed Arifuddin	7204545868 ;			
46.	Md. Zafar Ali	9739474646 )			
47.	Chandan Ravi B. R.	Student Intern – Altair India Pvt. Ltd. Bangalore. (Mob- 9945402378)			

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### Registration Details [CATEGORY: Faculty / Research Scholars]

<u>SI. No.</u>	NAME	INSTITUTION / UNIVERSITY	Contact details	E-mail ID
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10.	Shivaprakash M. V.	KLEIT, Hubli	9886546495	mvspmechdesign@gmail.com
11.	Rajeev K. Tavildar	KLS Gogte Institute of Technology, Belagavi	9972712121	rktavildar@git.edu

### Registration Details [CATEGORY: Industry Participants]

<u>SI. No.</u>	NAME	Industry / Organization	Contact details	E-mail ID
1.	Avinash Kumar	JSW Steel Ltd., Bellary	9480694815	avinashasitis@gmail.com

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