

HIRASUGAR INSTITUTE OF TECHNOLOGY

NIDASOSHI-591236

Tal: Hukkeri , Dist: Belagavi



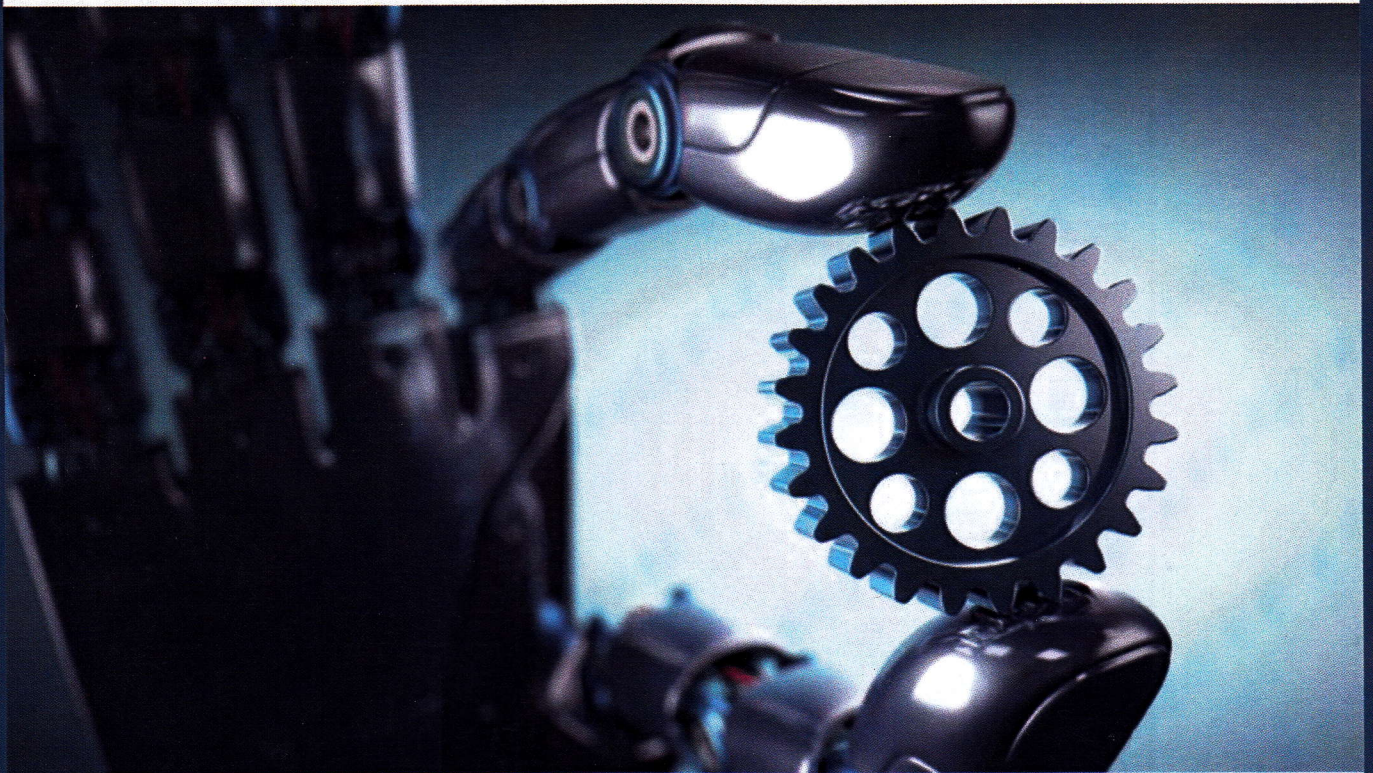
News Letter

2018-19

DEPARTMENT OF MECHANICAL ENGINEERING

VOL: 07

July 2K18-19



INSTITUTE VISION

“To be a preferred institution in Engineering Education by achieving excellence in teaching and research and to remain as a source of pride for its commitment to holistic development of individual and society”

INSTITUTE MISSION

"To continuously strive for the overall development of students, educating them in a state-of-the-art-infrastructure, by retaining the best practices, people and inspire them to imbibe real time problem solving skills, leadership qualities, human values and societal commitments, so that they emerge as competent professionals"



DEPARTMENT OF MECHANICAL ENGINEERING

VISION

“To be the centre of excellence in providing education in the field of Mechanical Engineering to produce technically competent and socially responsible engineering graduates”

MISSION

“Educating students to prepare them for professional competencies in the broader areas of the Mechanical Engineering field by inculcating analytical skills, research abilities and encouraging culture of continuous learning for solving real time problems using modern tools”

Program Educational Objectives (PEOs)

The Graduates of the program will be able to

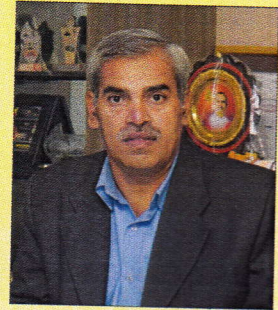
PEO1: Acquire core competence in Applied Science, Mathematics and Mechanical Engineering fundamentals to excel in professional career and higher study.

PEO2: Design, demonstrate and analyze the mechanical systems which are useful to society.

PEO3: Maintain professional and ethical values, employability skills and multidisciplinary approach to realize engineering issues in broader social context by engaging in life-long learning.

FROM THE PRINCIPAL'S DESK

HSIT has grown through leaps and bounds in the past two decades providing professional and high quality education through its originality of conception, excellence visual presentation and commitment to accuracy. Pertaining to this, HSIT has been acknowledged with numerous awards from various other institutions, enterprises and well wishers. HSIT students participated and won prizes in numerous technical events conducted by various premier organizations. The institute organized "2nd International Conference on Recent Innovations in Engineering Science and Technology (ICRISET-2019) on 18th and 19th July, and about 88 technical papers have been presented in the conference. It is a reflection of the college initiation in the overall growth of the students.



Dr. S. C. Kamate
Principal

Our students Mr. Karthik Magadam bagged gold medal in inter university yoga competition and Shweta Hirenayakar and Karthik Magadam are recognized as university blue. Also they have participated in All India Interuniversity Yoga Competition conducted at Bhuvaneshwar (Odisha). In men and women team events, our students have secured third place under VTU Zone. I congratulate HOD Dr. B M Shrigiri, members of editorial board, the staff and the students for bringing out the news letter. The current issue of this news letter will take you through the outstanding achievements and activities of the semester. The Institution welcomes feedback and suggestions from readers.

FROM THE HOD'S DESK



Dr. B. M. Shrigiri
HOD, MECH

There are many measures that can be used to assess the quality of an academic department. In this issue of the News Letter for the year 2018-19, we shine a spot light on most of the most important events which gauge our success in the department of Mechanical Engineering. The achievement of nearly 500 students who are actively perusing the degree is highlighted here. This news letter showcases some of the student's impressive academic results, their out to reach to the community, their honor, awards and their hopes of the future.

I hope you will be inspired by these student's ambitious and incredibly deserve accomplishments and that our students continue to exceed expectations. These outstanding students truly represent the success stories of tomorrow. Our faculty section of this newsletter highlights the faculty member's innovative courses and cutting edge research that are expanding our capabilities in the existing area such as Thermal Engineering, Material Science, Alternative Energy, CAD/CAM, Robotics and Design Engineering.

News Letter 2018-19

From Chief Editor's Desk

I am indeed very happy and proud about the latest developments and programs in the department. News letter acts as a communication channel among the alumni, faculty, students and experts in Mechanical Engineering Department. I am very much grateful to the Management, Principal, Staff and Students for their continuous encouragement, inspiration and support extended for the release of this "News Letter-2018-19". I wish all the best to the readers.



Prof. S R Kulkarni

Dept of Mech Engg
H S I T, Nidasoshi

About Department:

The department of Mechanical Engineering was established in the year 1996 with an intake of 60 students and the present intake is 120. The department has qualified and experienced teaching faculty with state of the art infrastructure and modern teaching aids catering to the needs of V T U curriculum.

Mechanical Engineering Department offers courses and laboratory training in the area suitable for the current needs. The department takes up the technical problems of industries as final year students' projects and offers solutions. Many students' projects received appreciation and awards.

In its 23rd year of fruitful existence, the institution is planning for P G Courses and Research Centers in every department year after year. As an outcome of this initiative a P G Course M Tech (Thermal Engineering) in the Department of Mechanical Engineering has been sanctioned by AICTE for the academic year 2014-15. The first batch has received their master degree, also got an approval for Research Center in MED, EEE and Chemistry Department from VTU, Belagavi.



Vision:

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Mission:

"Educating students to prepare them for professional competencies in the broader areas of the Mechanical Engineering field by inculcating analytical skills, research abilities and encouraging culture of continuous learning for solving real time problems using modern tools"

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Passed out Students AY: 2018-19

DIV - A



DIV - B



**BELIEVING IN
YOURSELF
IS THE SECRET
TO SUCCESS**

Department of Mechanical Engineering

News Letter 2018-19

Faculty Members

Name	Designation	Exp	Qualification	Name	Designation	Exp	Qualification
Dr. S. C. Kamate	Principal	26	PhD	Prof. T.S. Vandali	Asst Prof	19	M Tech
Dr. B. M. Shrigiri	Professor	20	PhD	Prof. M. M. Shivashimpi	Asst Prof	12	M Tech (PhD)
Dr. S. A. Alur	Professor	26	PhD	Prof. M. A. Hipparagi	Asst Prof	11	M Tech (PhD)
Dr. R. M. Galagali	Assoc Prof	18	PhD	Prof. Anilkumar. Biradar	Asst Prof	09	M Tech
Dr. S. N. Topannavar	Assoc Prof	20	PhD	Prof. Niranjana. Ukkali	Asst Prof	07	M Tech
Prof. Ravi. Chitgopkar	Asst Prof	27	M Tech	Prof. Mahesh. Inagalagi	Asst Prof	06	M Tech
Prof. G. A. Naik	Asst Prof	23	M Tech	Prof. Santosh. Awade	Asst Prof	07	M Tech
Prof. D. N. Inamdar	Asst Prof	18	M Tech (PhD)	Prof. Jagadeesh. A	Asst Prof	06	M Tech
Prof. K. M. Akkoli	Asst Prof	17	M Tech (PhD)	Prof. M. I. Tanodi	Asst Prof	07	M Tech (PhD)
Prof. G. V. Chiniwalar	Asst Prof	18	M Tech	Prof. Kushal. Ambli	Asst Prof	08	M Tech (PhD)
Prof. M. S. Futane	Asst Prof	15	M Tech	Prof. B. M. Dodamani	Asst Prof	07	M Tech
Prof. S. A. Goudadi	Asst Prof	13	M Tech	Prof. R.V. Nyamagoud	Asst Prof	06	M Tech
Prof. S.R. Kulkarni	Asst Prof	11	M Tech				

Technical Supporting Staff

Name	Designation	Exp	Qualification	Name	Designation	Exp	Qualification
Shri. V. G. Badiger	Foreman	23	DME	Shri. A. B. Sankeshwari	Foreman	22	DME
Shri. R. M. Hunchyali	Instructor	21	DME	Shri. M. S. Kurani	Instructor	05	DME
Shri. S. C. Jotawar	Instructor	26	DME	Shri. D. R. Badiger	Mechanic	24	SSLC
Shri. S. R. Nakadi	Instructor	32	DME	Shri. M J Patil	Welder	19	ITI
Shri. M. B. Badiger	Instructor	22	DME	Shri. C. B. Patil	Mechanic	14	ITI
Shri. R. B. Kumbhar	Instructor	19	DME				

Ministerial Staff

Name	Designation	Exp	Qualification	Name	Designation	Exp	Qualification
Shri. R. G. Shivannavar	Helper	23	B A	Shri. P. S. Pimpalgavi	Peon	23	S S L C
Shri. G. M. Hirekodi	Helper	23	S S L C	Shri. M S. Kadalagi	Helper	23	P U C
Shri G.D. Basappare	Peon	18	S S L C				

**" YOUR POSITIVE ACTION
COMBINED WITH
POSITIVE THINKING
RESULTS IN SUCCESS "**

- Shiv Kherr -

Sahakaransociety.com

Department of Mechanical Engineering

STUDENTS ACHIEVEMENTS FROM 2018 -19

1. Paper Presentation :

Sl.No	Title of the paper	Author(s)	Name of the event	Venue	Date	Prize	National/ State/College/ Inter college level
1	Plant E Technology	Umesh Hebbale	'ANUTTURA' National Level Technical Symposium	Santh Gajanan Rural Polytechnic Mahagaon, Gadhinglaj	28 th - September -2018	1 st	National
2	3D Printing	Yashod B	'ANUTTURA' National Level Technical Symposium	Santh Gajanan Rural Polytechnic Mahagaon, Gadhinglaj	28 th - September -2018	2 nd	National
3	Plant E Technology	Umesh Hebbale	Navaprayatna-2K19 (Kaushalya)	Santh Gajanan Rural Polytechnic Mahagaon, Gadhinglaj	8 th -March -2019	1 st	National

2. Papers Presented by Students in National /International Conference

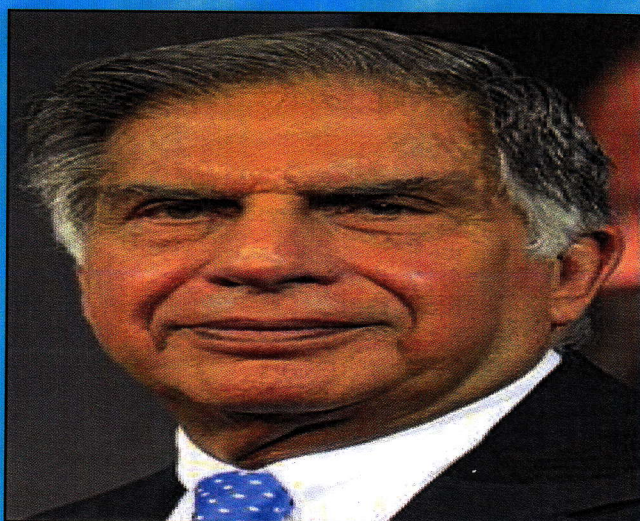
Sl.No.	Title	Author(s)	Name of the Conference	Venue & Date of Presentation	National/ International
1	Plant E Technology	Umesh Hebbale Nachiketh Dharamdikari Akhilesh Dravid Vishal Patil	NCETERM Delta 2018	GMIT, Davanagere 26 & 27- October-2018	National

**T - TOGETHER
E - EVERYONE
A - ACHIEVES
M - MORE**

Students Achievements From 2018 -19

3. KSCST Sponsored Projects: 2018-19

Sl.No	Title	Name of The Team Members(s)	Amount in Rs.	Sponsored By	Date
1	Multi Degree of Freedom Robotic Arm (42S_BE_1134)	Mr. Bhuvaneshwar Bommanavar & Team	8000.00	KSCST, Bangalore	27/03/2019
2	Conversion of plastic into form of fuel (42S_BE_1135)	Mr. Krishna Kore & Team	8000.00	KSCST, Bangalore	27/03/2019
3	Fabrication of low cost high efficient composite using garment wastes for indoor and outdoor applications (42S_BE_1140)	Mr. Mallikarjun Ammanagi & Team	4000.00	KSCST, Bangalore	27/03/2019
4	Design and fabrication of fitness equipment for power generation (42S_BE_1142)	Mr. Mutteppa M & Team	6000.00	KSCST, Bangalore	27/03/2019
5	Effect of injection pressure and injection timing (IT) and EGR on the performance and emission of diesel engine operated with tallow oil , methyl ester(TOME) (42S B BE_082)	Mr. Nagaraj Badiger & Team	6000.00	KSCST, Bangalore	27/03/2019



A BMW
can't
take you
as far
as a
diploma.

**EDUCATION IS MORE
VALUABLE THAN MONEY,
IN THE LONG RUN.**

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Department Activities from 2018 -19

SL. No.	Topic of the seminar / Event	Date of Conduct	Resource person and address
1	Awareness Programme on Spirituality	23 rd June 2018	Yoga Ratna Awardees Victor Truviano of Argentina and Swasa Guru Vachananand Swamiji, Veershaiva Lingayat Peetadipatigalu, Harihara
2	Organized Talk on Entrepreneurship	22 nd September 2018	Mr. Santosh Yadav, CEO, InfySKY, Belagavi.
3	Welcome function for 3rd Semester Students and Inauguration of AIMSS activities 2018-19	29 th September 2018	Mr. Sushant Girigoudar, Design engineer, AQUES Hattaragi Belagavi
4	Industrial Visit at Rajeev and company manufacturers of ball valve, Devarwadi ,Maharashtra	27 th October 2018	Shri. N .B. Rajeev Rao Managing director, Rajeev and company, Belagavi
5	Talk on Geometric Dimensioning and Tolerances	17 th November 2018	Mr. N. B. Rajeev, Rajeev & Company, Vadagaon, Belagavi, Karnataka
6	CATIA and GD & T (Gauge Design and Tolerance) Training Programme	21 st January to 7 th February	Mr. Shivanand Daroji, Technical Head, CADD Centre Tanning Services Private Limited, Belagavi.
7	Technical Talk on Robotics and Automation	19 th February 2019	Dr. Amit Kumar Bedaka, Post-doctoral Researcher, National Taiwan University of Science and Technology, Taipei, Taiwan.
8	Industrial Visit at JSW Plant Toarangallu, Bellary	08 th March 2019	The Chief Engineer of JSW Plant.
9	Books issued to Internal Assessment and Critical Subject Toppers during Academic Year 2018-19 odd semester	13 th March 2019	Best Practice adopted in the Department for the academic year 2018-19 Even Semesters.
10	Hobby / Mini Project Exhibition	9 th April 2019	Mr. Balagouda S. Patil, Process Engineer QA, Big Casting Limited Belagavi
11	Organized Talk on Carrier in Design	24 th April 2019	Mr. Akshay K Kakade, Senior Tool Design Engineer, AEQUS Aero-structure India, Pvt. Ltd, Belagavi.
12	Industrial Visit at Shivashakti Sugars Limited Yadravi, Raibag, Karnataka	25 th April 2019	The Chief Engineer of Shivashakti Sugars Limited.
13	Project Exhibition 2018-19	24 th May 2019	Mr. Sanjay Murari Crash Analyst, Equilibrium Solutions, Private Limited, Pune. Mr. Sugreev Tangade, Smart Enterprises Hubballi



Dr. APJ Abdul Kalam

A creative person is motivated by his or her own desire to excel and not the need to beat others.

Department of Mechanical Engineering

News Letter 2018-19

Faculty Development Program/ Training/STTP/Refresh Course/ Orientation Program Attended By Faculty Members AY 2018-19

S No	Faculty	Prog	Title	Relevancy	Date	Place
1.	Prof. M A Hipparagi	Five days FDP	Analysis of Modern Manufacturing Processes	Production Engg	Jan 07-11, 2019	IIT Bombay
2.	Prof. S R Kulkarni	Five days FDP	Analysis of Modern Manufacturing Processes	Production Engg	Jan 07-11, 2019	IIT Bombay
3.	Dr. B M Shrigiri	Five days FDP	Internet of Things and Its Real Time Applications	Mechatronics, Programming & Coding	Jan 28- Feb 2, 2019	HIT, Nidasoshi
4.	Prof. M R Ingalagi	Five days FDP	Internet of Things and Its Real Time Applications	Mechatronics, Programming & Coding	Jan 28- Feb 2, 2019	HIT, Nidasoshi
5.	Prof. M. M Shivashimpi	Five days FDP	Internet of Things and Its Real Time Applications	Mechatronics, Programming & Coding	Jan 28- Feb 2, 2019	HIT, Nidasoshi
6.	Prof. D N Inamdar	Five days FDP	Internet of Things and Its Real Time Applications	Mechatronics, Programming & Coding	Jan 28- Feb 2, 2019	HIT, Nidasoshi
7.	Prof. S A Goudadi	Five days FDP	Internet of Things and Its Real Time Applications	Mechatronics, Programming & Coding	Jan 28- Feb 2, 2019	HIT, Nidasoshi
8.	Prof. S B Awade	Five days FDP	Internet of Things and Its Real Time Applications	Mechatronics, Programming & Coding	Jan 28- Feb 2, 2019	HIT, Nidasoshi
9.	Prof. R V Nyamagoud	Five days FDP	Strategies & ICT Tools for Hybrid Vehicles	Renewable Energy	Feb 7-12, 2019	NIT, Warangal
10.	Prof. K G Ambli	Five Days FDP	Technological Advancement of Polymer Nano Composites	Nano materials	April 4 to 8, 2019	IIT, Kanpur
11.	Prof. N M Ukkali	Five Days FDP	Technological Advancement of Polymer Nano Composites	Nano materials	April 4 to 8, 2019	IIT, Kanpur
12.	Prof. B M Dodamani	Five days FDP	Biology for Engineers	Bioscience Engineering	June 3-7, 2019	IIT, Bombay
13.	Prof. Jagadeesh A	Five days FDP	Biology for Engineers	Bioscience Engineering	June 3-7, 2019	IIT, Bombay
14.	Dr. B M Shrigiri	Five days FDP	Solar thermal technologies for process heat and power	Renewable Energy and Storage	June 17-21, 2019	IIT, Bombay
15.	Dr. S N Topannavar	Five days FDP	Solar thermal technologies for process heat and power	Renewable Energy and Storage	June 17-21, 2019	IIT, Bombay
16.	Prof. M R Ingalagi	Five days FDP	Solar thermal technologies for process heat and power	Renewable Energy and Storage	June 17-21, 2019	IIT, Bombay

Department of Mechanical Engineering

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Faculty Development Program/ Training/STTP/Refresh Course/ Orientation Program Attended By Faculty Members AY 2018-19

S No	Faculty	Prog	Title	Relevancy	Date	Place
17.	Prof. A M Biradar	Five Days FDP	Food processing and Preservation	Material processing	June 17-23, 2019	IIT, Kharagpur
18.	Prof. Jagadeesh A	Five Days FDP	Advanced Study on Engine Combustion, Diagnostics, Emission Control and Emerging Fuels	Renewable Energy	August 3-7, 2018	IIT, Kanpur
19.	Prof. K G. Ambli	Three Days FDP	Student Induction Program	Student Induction	June 24-26, 2019	VTU, Belagavi
20.	Prof. M I. Tanodi	Three Days FDP	Student Induction Program	Student Induction	June 24-26, 2019	VTU, Belagavi

Details of Technical Seminar Presented by Faculty Members

S No	Name of The Faculty	Name of the Seminar/Workshop/Short Term Courses/Faculty Development Programs etc.	Topic	Held at	Date
1	Prof. R V. Nyamagoud	Departmental Level Seminar	Strategies & ICT tools for Hybrid vehicles	HIT, Nidasoshi	16th Feb 2019
2	Prof. A M Biradar	Departmental Level Seminar	Young Entrepreneurs in India	HIT, Nidasoshi	28th Feb 2019

Details of Seminar Presented during the National / International Conference

S N	Name of The Faculty	National / International	Topic	Held at	Date
1	Prof. S R Kulkarni	2 nd ICRASET -19 International Conference	Fabrication of High Efficient Low Cost Composite Using Garment Wastes for Indoor and Outdoor Applications	HIT, Nidasoshi	18 th and 19 th July 2019
2	Prof. K. M. Akkoli	2 nd ICRASET -19 International Conference	Analysis of Different Shapes in Wind Tunnel	HSIT Nidasoshi	18-19 July 2019
3	Prof. M I Tanodi	2 nd ICRASET -19 International Conference	Distribution generation in India	HIT, Nidasoshi	18 th and 19 th July 2019
4	Prof. M I Tanodi	2 nd ICRASET -19 International Conference	Sugar Cane Leaves Bio Fuel	HIT, Nidasoshi	18 th and 19 th July 2019
5	Prof. T S Vandali	2 nd ICRASET -19 International Conference	Design and Fabrication of Composite Tile Maker Machine by Recycling of Plastics.	HIT, Nidasoshi	18 th and 19 th July 2019
6	Prof. A M. Biradar	2 nd ICRASET -19 International Conference	Multi Phase Flow Modeling To Simulate Boiling Phenomena Using CFD	HIT, Nidasoshi	18 th and 19 th July 2019

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Details of Seminar Presented during the National / International Conference

S N	Name of The Faculty	National / International	Topic	Held at	Date
7	Prof. K. M. Akkoli	APGRES -2019 International Conference	Performance and Emission Characteristics of Producer Gas Operated Dual-Fuel Diesel Engine with Cooling Cleaning System	Govt. Engineering College, Banswara, Rajasthan, India	Feb 11-12, 2019
8	Prof. Jagadeesh A	NCETERM Delta 2018 National Conference	Plant E Technology	GMIT, Davanagere	Oct 26 th - 27 th 2018

Faculty as Reviewer Members for Various National/International Journals

S N	Name of the Faculty	Name of the Journal	Publisher
1	Dr. S.C. Kamate	Applied Thermodynamics	Elsevier
2	Dr. B.M. Shrigiri	Energy and Conversion Management	Elsevier
		Journal of Thermal Engineering	Yeldiz Tech University, Turkey
		Journal of Mems, Materials and Fuels	****
3	Prof. K.M. Akkoli	Waste and Biomass Valorization	Springer
		Renewable energy	Elsevier
		Journal of Mechanical Engineering and Sciences	UMP Publisher
4	Prof. B.M. Dodamani	International Journal of Mech Engineering	Group of Research Scripts
	Prof. Jagadeesh A Prof. Kushal Ambli Prof. B.M. Dodamani	Journal of Emerging Technologies and Innovative Research- UGC approved journal	IJ Publication
5	Prof. M.M. Shivashimpi	Bio fuels	Taylor and Francis

Details of Technical Seminar Presented by Faculty Members

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1	Prof. R V. Nyamagoud	Departmental Level Seminar	Strategies & ICT tools for Hybrid vehicles	HIT, Nidasoshi	16th Feb 2019
2	Prof. A M Biradar	Departmental Level Seminar	Young Entrepreneurs in India	HIT, Nidasoshi	28th Feb 2019

Fund from External bodies

S N	Name of the Faculty	Funding Agency	Title of Project	Date	Amount
1	Dr. B M Shrigiri	VGST KFIST-1	Study on Performance characteristics of Variable compression ratio VCR engine with EGR to suggest best alternative fuel	April 2019	20 Lakh

Department of Mechanical Engineering

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Prize Winners under AIMSS Activities

Event	Name of the Student	USN	Sem	Division	Prizes
Hobby/Mini project Exhibition	Mr. Raghavendra Paste	2HN16ME416	VIII	B	First
	Mr. Mahantesh Kamate	2HN17ME020	IV	A	Second
	Mr. Mahantesh Hukkeri	2HN17ME020	IV	A	
Project Exhibition (Thermal Stream)	Mr. Ravikumar Holi	2HN15ME073	VIII	B	Best Project Award
	Mr. Surajkumar Patil	2HN15ME091	VIII	B	
	Mr. Vinayak Kulkarni	2HN15ME104	VIII	B	
Project Exhibition (Design Stream)	Mr. Mutteppa Malennavar	2HN16ME414	VIII	A	Best Project Award
	Mr. Surajkumar N	2HN16ME429	VIII	A	
	Mr. Shivarangan Badiger	2HN16ME423	VIII	A	
	Mr. Sudarshan Halejol	2HN16ME427	VIII	A	
Project Exhibition (Production Stream)	Mr. Akash Patil	2HN15ME004	VIII	A	Best Project Award
	Mr. Raghavendra Paste	2HN16ME416	VIII	B	
	Mr. Prajwal G.V.	2HN15ME062	VIII	B	
	Mr. Kumarrama H	2HN14ME035	VIII	B	

KSCST Best Project of the Year 2018-19

S N	Name of the Students	Guide	Title
1	Mallikarjun A	Prof. S R. Kulkarni	Fabrication of Low Cost High Efficient Composite Using Garment Wastes for Indoor and Outdoor Applications.
	Karthik B. C		
	Kiran A. M		
	Mahantesh A		

KSBDB Best Project of the Year 2018-19 under Bio Fuel / Bio Energy

S N	Name of the Students	Guide	Title
1	Nagaraj B	Prof. B M. Dodamani	Effect of Injection Pressure and Injection Timing & EGR on The Performance and Emission of Diesel Engine Operated With Tallow Oil Methyl Ester (TOME).
	Manjunath D. S		
	Milind. K		

Department of Mechanical Engineering

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Internal Assessment Test Toppers during AY: 2018-19 (Even Semester)

SEM: IV (A&B)

Name of the Students	USN	Div	Name of The Subjects (All 3 I A Average Marks) Out of 30 Marks						Total Marks Out of 180	Rank
			M-IV	KOM	ATD	FM	MTO	MMM		
Miss. Anjana Hunachyali	2HN17ME007	A	24.33	27.00	22.33	22.00	28.67	24.33	148.67	I
Mr. Immahussain Naikwade	2HN17ME016	A	21.33	22.67	18.67	22.67	29.33	25.33	140.00	II
Mr. Sanket Sanjay Shetake	2HN17ME043	B	16.67	27.00	23.67	17.33	25.67	23.33	133.67	III

SEM: VI (A&B)

Name of the Students	USN	Div	Name of The Subjects (All 3 I A Average Marks) Out of 30 Marks						Total Marks Out of 180	Rank
			FEA	CIM	HT	DOM E-II	TQM	AE		
Mr. Shrishail Badiger	2HN16ME074	B	22.33	14.00	23.00	21.67	7.22	23.67	111.89	I
Mr. Vijaykumar Baragale	2HN16ME090	B	22.67	17.67	20.67	21.67	7.22	16.00	105.89	II
Mr. Vaibhav Shinde	2HN16ME087	B	20.67	12.67	20.67	21.00	7.00	21.33	103.33	III

SEM: VIII (A&B)

Name of the students	USN	Div	Total Marks Out of 25			Total Marks out of 75	Rank
			OR	AM	PLCM		
Mr. Akash Ghatge	2HN14ME007	B	23.00	22.33	22.00	67.33	I
Mr. Sheri Ashok	2HN14ME095	B	23.67	22.33	21.00	67.00	II
Mr. Prashant Nilaj	2HN15ME065	B	22.67	23.00	19.33	65.00	III

Department of Mechanical Engineering

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Internal Assessment Test Toppers during AY: 2018-19 (ODD SEM)

SEM: III (A&B)

Name of the Students	USN	Div	Name of The Subjects (All 3 I A Average Marks) Out of 30 Marks						Total Marks out of 180	Rank
			M-3	MS	BTD	MOM	MCW/ MMM	CAMD/ MTO		
Mr. Sachin Chunumuri	2HN17ME041	B	29.33	27.33	24.67	27.00	28.00	29.67	166.00	I
Mr. Vinay Matapathi	2HN17ME062	B	24.33	27.00	23.00	24.67	22.00	26.67	147.67	II
Mr. Suresh D Naganuri	2HN17ME056	B	23.00	27.67	23.00	19.33	26.00	26.67	145.67	III

SEM: V (A&B)

Name of the Students	USN	Div	Name of The Subjects (All 3 I A Average Marks) Out of 30 Marks						Total Marks out of 150	Rank
			E&E	NTM	DOME- I	TM	DOM	M&EE		
Mr. Shrishail B Badiger	2HN16ME074	B	13.67	16.33	11.33	23.33	20.67	21.67	107	I
Mr. Suneel F Mavingad	2HN16ME080	B	13.00	22.33	8.33	19.67	15.33	19.33	98	II
Mr. Vijaykumar Baragale	2HN16ME090	B	6.00	16.33	9.00	21.33	19.00	16.33	88	III

SEM: VII (A&B)

Name of the Students	USN	Div	Name of The Subjects (All 3 I A Average Marks) Out of 30 Marks					Total Marks Out of 125	Rank
			MT	TR	CE	FPS	EE		
Mr. Akash P Ghate	2HN14ME007	B	20.70	23.00	23.00	18.70	17.70	103.30	I
Mr. Ganesh Killedhar	2HN15ME023	A	15.00	23.00	20.00	20.70	21.30	100.00	II
Mr. Nagaraj Badiger	2HN15ME053	A	17.00	21.70	21.30	18.70	20.70	99.30	III

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Faculty members who have achieved 100% Result in Odd Semester

Name of Faculty	Subject	Sub Code	Semester
Prof. K. G. Ambli	Mat. Sc	17ME32	3 rd
Prof. S. R. Kulkarni	MCW	17ME35A	
Prof. M. A . Hipparagi	MTO	17ME35B	
Prof. G.A. Naik	Mat. Sc	17ME32	
Prof. M.I. Tanodi	CAMD	17ME36A	
Prof. K. G. Ambli	NTM	15ME554B	5 th
Dr. R.M. Galagali	E Mgt & E Eco	15ME51	
Prof, Ravi Chitgopkar`	NTM	15ME554B	
Dr. S.C.Kamate / Dr. B.M. Shrigiri	EE	15ME71	7 th
Prof. R.V. Nyamagoud	FPS	15ME72	
Prof, N. M. Ukkali	Tribology	15ME742	
Prof. S.N. Topannavar	EE	15ME71	
Prof. K.M. Akkoli	FPS	15ME72	
Prof, N. M. Ukkali	CE	15ME73	
Prof. S B. Awade	Tribology	15ME74	
Prof. M. S. Futane	Mechatronics	15ME75	

Details of Faculty PhD Registration

S N	Name of the faculty	Area / Year	Name of Guide	Research Centre	University
1	Prof. Mahantesh Tanodi	Kinematics 2019	Dr. Anand S. Reddy	K.L.E. Institute of Tech, Hubballi	VTU Belagavi
2	Prof. Jagadeesh A	I C Engine 2019	Dr. B.M. Shrigiri	HSIT, Nidasoshi	VTU Belagavi

The Alchemist

“When you want something, all the universe conspires to help you achieve it.”

News Letter 2018-19

Publications in International/National Journals during AY 2018-19

S No	Author's	Title of the Paper	Journal/ Publication Details/Citation	International/ National/State/ Inter college/College Level	Page No
1	Mr. Allamaprabhu. B.S, Prof. M. M Shivashimpi, Mr. Akhilesh Patil , Mr. Aparai Huddar	Effect of torroidal combustion chamber shape, nozzle geometry, injection pressure, EGR on the performance of biodiesel fuelled diesel engine and validation through Taguchi analysis.	International Research Journal of Engineering and Technology (IRJET) E-ISSN: 2395-0056 Volume: 05 Issue: 09 Sept 2018. www.irjet.netp-ISSN: 2395-0072	International	1-12
2	Prof. M. M Shivashimpi, Dr. S. A. Alur, Prof. Jagadeesh A, Prof. M.R. Ingalagi	Effect of nozzle geometry on the performance and emission characteristics of C.I. Engine operated on Palm Oil Methyl Ester.	Journal of Emerging Technologies and Innovative Research (JETIR) Aug 2018, Volume 5, Issue 8 (ISSN-2349-5162)	International	13-18
3	Prof. K M Akkoli, Dr. P B Gangavati Prof. M R Ingalagi, Prof. R K Chitgopkar	Assessment and Characterization of Agricultural Residues	Science Direct Materials Today: Proceedings 5 (2018) 17548-17552	International	19-24
4	Prof. Mahesh Ingalagi, Prof. K M Akkoli, Mr. Sunilkamar S K Prof. Ravi Chitgopkar Prof. G V Chiniwalar	Influence of Pair of Vortex Generators on the Hydraulic Performance for Air Flow through a Rectangular Duct	International Journal of Pure and Applied Mathematics Vol: 120 No. 6 2018, 925-933	International	25-32
5	Dr. Ibrahim Patel, Prof. S A Goudadi Prof. Ravi Chitgopkar Prof. G A Naik Mr. Gajanan Kotiwale	Continuous Renewable Energy Generation by Solar Radiation	Journal of Emerging Technologies and Innovative Research (JETIR) August 2018, Vol: 5, Issue 8	International	33-38
6	Mr. Sunil S Kattimani, Prof. B M Dodamani, Prof. Kushal Ambli, Prof. N M Ukkali Mr. Anant Bhavimani	Comparison study on effect of ethanol and HOME biodiesel blends on the Performance and emission characteristics of CI engine with and without Preheat	Journal of Emerging Technologies and Innovative Research 2018 JETIR August 2018, Vol: 5, Issue 8.	International	39-46

News Letter 2018-19

Publications in International/National Journals during AY 2018-19

SN	Author's	Title of the Paper	Journal/ Publication Details/Citation	International/ National/State/ Inter college/College Level	Page No
7	Prof. S. R. Kulkarni, Prof. M. S. Futane, Prof. T. S. Vandali, Prof. A. M. Biradar, Prof. D. N. Inamdar	Fabrication of cam operated low cost Sheet metal bending machine for startup industries in rural areas	International Journal of Pure and Applied Mathematics Volume 120 No. 6 2018, 895-905	International	47-58
8	Mr. Shrinivas Malaghan, Mr. Raghavendra Ellur, Dr. S.A. Alur, Dr. N.R. Banapurmath	Effect of CNG Flow Rate and Combustion Chamber Shapes on the Performance of Dual Fuel Engine operated with HOME and CNG	International Journal of Pure and Applied Mathematics. Volume 120 No. 6 2018, 907-923	International	59-74
9	Mr. Gurushanth B Vaggar, Dr. S C Kamate, Mr. Pramod V Badyankal	Thermal Properties Characterization of Glass Fiber Hybrid Polymer Composite Materials	International Journal of Engineering & Technology VOLUME 7 (3.34) (2018) 455-458	International	75-78
10	Prof. M. M. Shivashimpi, Dr. N. R. Banapurmath Dr. S. A. Alur, Mr. S. V. Khandal	Effect of Injection Parameters: Injection Timing and Injection Pressure on the Performance of Diesel Engine Fueled with Palm Oil Methyl Ester	European Journal of Sustainable Development Research 2019, 3(2), em0077 ISSN: 2542-4742	International	79-96
11	Prof. M. M. Shivashimpi, Dr. S. A. Alur, Prof. Jagadeesh A, Prof. M.R. Ingalagi, Prof. B M Dodamani	Effect of Injection Pressure and Nozzle Geometry on the Performance and Emission Characteristics of Diesel Engine Operated with Palm Oil Methyl Ester	International Journal of Prevention and Control of Industrial Pollution Vol. 4: Issue 2	International	97-104
12	Mr. Sunilkumar S. Kattimani, Dr. Prof. S. N. Topannavar, Prof. M. M. Shivashimpi, Prof. B. M. Dodamani	Optimization of Compression Ratio and Nozzle Geometry on Single Cylinder DI Diesel Engine Fuelled with FOME Biodiesel	International Journal of Engineering, Applied and Management (IJEAM) ISSN 2320-6608	International	105-118
13	Prof. M. M. Shivashimpi , Dr. Nagaraj R. Banapurmath , Dr. S. A. Alur	Effect of Injection Parameters: Injection Timing and Injection Pressure on the Performance, Emission and Combustion Characteristics of CRDI Diesel Engine Operate with Palm Oil Methyl Ester (POME)	European Journal of Sustainable Development Research 2019, 3(3), em0091 ISSN: 2542-4742	International	119-137

News Letter 2018-19

Publications in International/National Journals during AY 2018-19

S N	Author's	Title of the Paper	Journal/ Publication Details/Citation	International/ National/State/ Inter college/College Level	Page No
14	Mr. Umesh Gudnavar Prof. K. M. Akkoli	Modeling and Analysis Of Down Draft Gasifier	International Journal of Management, Technology and Engineering ISSN : 2249-7455	International	138-147
15	Prof. K. M. Akkoli Dr. P. B. Gangavati Dr. N. R. Banapurmath	Effect of Cooling Cleaning System on the Performance and Emission Characteristics of Producer Gas Operated Dual-Fuel CI Engine	International Journal of Applied Engineering Research ISSN 0973-4562 Volume 14, Number 3 (2019) pp. 687-693.	International	148-154
16	Prof. M. A. Hipparagi Dr. Padmayya S. Naik	An Improvement In Mechanical Properties Using Austempered Ductile Iron (ADI): A Review	International Journal of Mechanical and Production Engineering Research and Devp, ISSN (P): 2249-6890; ISSN (E): 2249-8001 Vol. 9, Special Issue 2, Jun 2019, 848-856	International	155-163
17	Prof. B.M. Dodamani Dr. B M Shrigiri	Effect Of Injection Opening Pressure (IOP), Injection Timing (IT) And EGR On The Performance and Emission Characteristics of Diesel Engine Operated With Tallow Oil Methyl Ester (TOME)	Journal of Emerging Technologies And Innovative Research ISSN-2349-5162	International	164-169
18	Prof. B M Dodamani Dr. B M Shrigiri	Effect Of Di Ethyl Ether (Dee) Additive, Compression Ratio (Cr) and EGR On The Performance and Emission Of Di Diesel Engine Operated On Fish Oil Methyl Ester (FOME)	International Journal For Scientific Research & Devp, Vol. 7, Issue 03, 2019 ISSN (Online): 2321-0613	International	170-175

News Letter 2018-19

Publications in International/National Journals during AY 2018-19

S N	Author's	Title of the Paper	Journal/ Publication Details/Citation	International/ National/State/ Inter college/College Level	Page No
19	Mr. Raj.H. Korawar Dr. S.C. Kamate Dr. S.N. Topannavar Prof. B.M.Dodamani	Performance And Smoke Test on CI Engine Using Cotton Seed Oil As Fuel	Journal of Emerging Technologies And Innovative Research ISSN-2349-5162	International	176-184

Publications in International/National Conferences during AY 2018-19

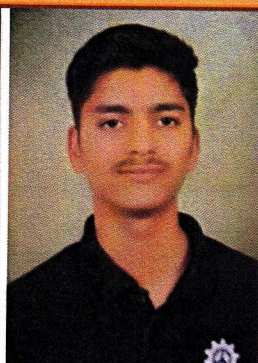
S N	Author's	Title of the Paper	Conference Name/ Publication Details/Citation	International/National/ State/Inter college/College Level	Page no
1	Prof. M. A. Hipparagi. Dr. Padmayya S. Naik	An Improvement In Mechanical Properties Using Austempered Ductile Iron (ADI): A Review	International conference on Recent engineering and Technology	International	185-193

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2019 Batch Placements as on May 2018 Branch: Mechanical Engineering



**Mr. Mahesh N
Hampiholi**
Tech-Fortune
Technologies,
Bengaluru



**Mr. Gomatesh J
Nare**
Election, Pune



**Mr. Karthik B
Chikkabagewadi**
Election, Pune



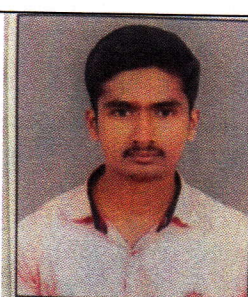
**Mr. Basavaraj
Vajjaramatti**
Kalyani Forge, Pune



**Mr. Mahantesh
Angadi**
Kalyani Forge, Pune



**Mr. Mutteppa M
Melennavar**
Kalyani Forge, Pune



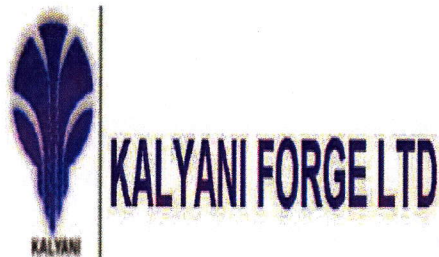
**Mr. Kenchappa B
Sampaganv**
Kalyani Forge, Pune

Companies Visited To the Institute during AY: 2018-19

- | S.N. | Name of the Company |
|------|--|
| 1. | Powaha InfoTech Pvt Ltd, Hubli & SLV Technologies Pvt Ltd, Hubli |
| 2. | PALC Networks Pvt Ltd, Bengaluru |
| 3. | Codilar Technologies, Bengaluru |
| 4. | Cubiccode, Marketing PPL, Bengaluru |
| 5. | Tech-Fortune Technologies, Bengaluru |
| 6. | ABC, Bengaluru |
| 7. | Maventic Innovative Solutions Pvt Ltd, Bengaluru |
| 8. | Maintec Technologies Pvt Ltd., Bengaluru |
| 9. | Tessolve Semiconductor, Bengaluru |
| 10. | ELEATION, Pune |
| 11. | Kalyani Forge, Pune |
| 12. | Kod Nest, Bengaluru |

News Letter 2018-19

Placements Partners 2018-19



“Amateurs sit and wait for inspiration, the rest of us just get up and go to work.”
— Stephen King

PHOTO GALLERY



A National Assessment and Accreditation Council (NAAC) Peer Team member Dr. Satish Chandra Sharma, Department of Mechanical and Industrial Engineering, IIT Roorkee vested our department laboratory on 18th and 19th December, 2018.



Dr. B. M. Shrigiri is presenting the department report during NBA visit on 17th, 18th and 19th May 2019.

News Letter 2018-19

PHOTO GALLERY



Shri.Victor Truviano Swamiji, Yoga Ratna Awardees, Argentina and. Swas Guru Vachananand Swamiji, Shri Veershaiva Lingayat Peetadipatigalu, Harihara delivered the impotence of Yoga to students on 23rd June 2018.

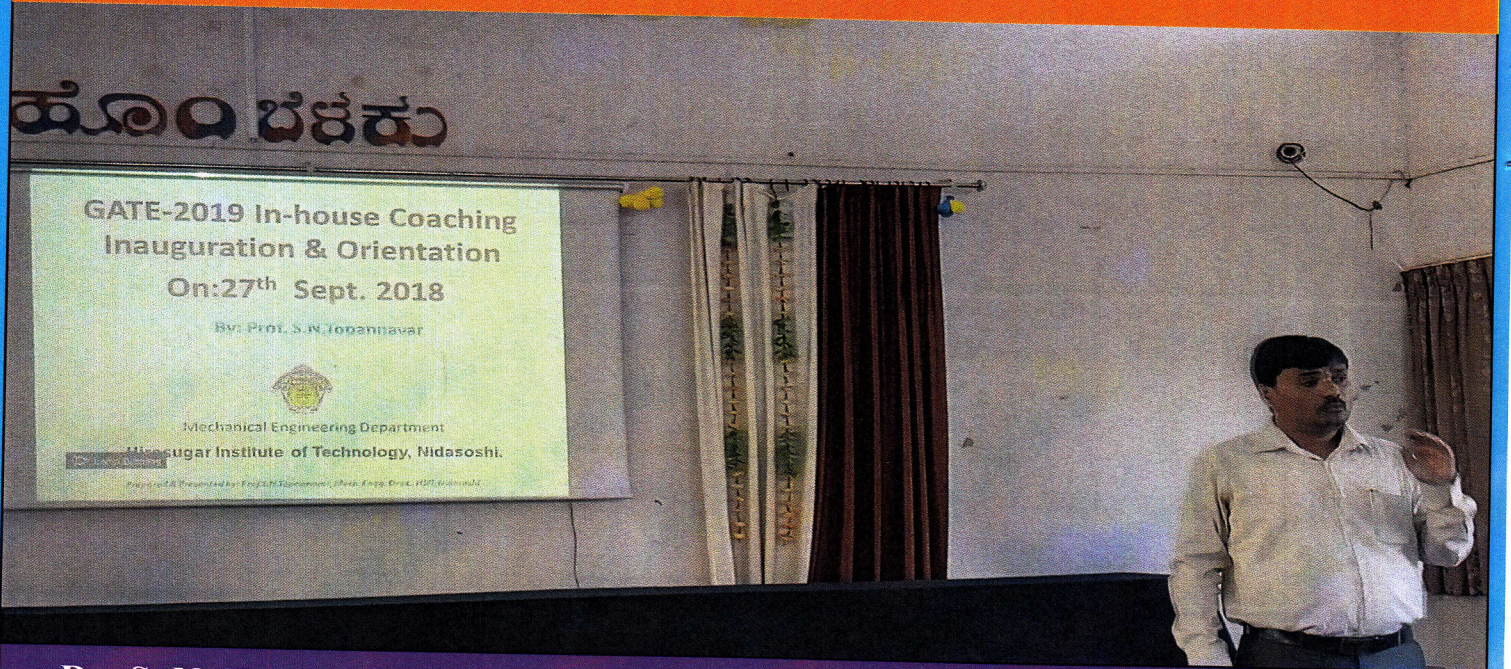


Mr. Santosh Yadav, CEO, InfySKY, Belagavi delivered talk on Entrepreneurship organized by ED cell Activity on 22nd September 2018.

Department of Mechanical Engineering

News Letter 2018-19

PHOTO GALLERY



Dr. S. N. Topannavar is orienting final year students to crack GATE-2018 on 27th September 2018.



Mr. Sushant Girigoudar, Design Engineer, AQUES Hattaragi, Belagavi, delivered the Motivational Speech on Occasion of Welcome Function for 3rd Semester Students and Inauguration of AIMSS Activities 2018-19 on 29th September 2018.

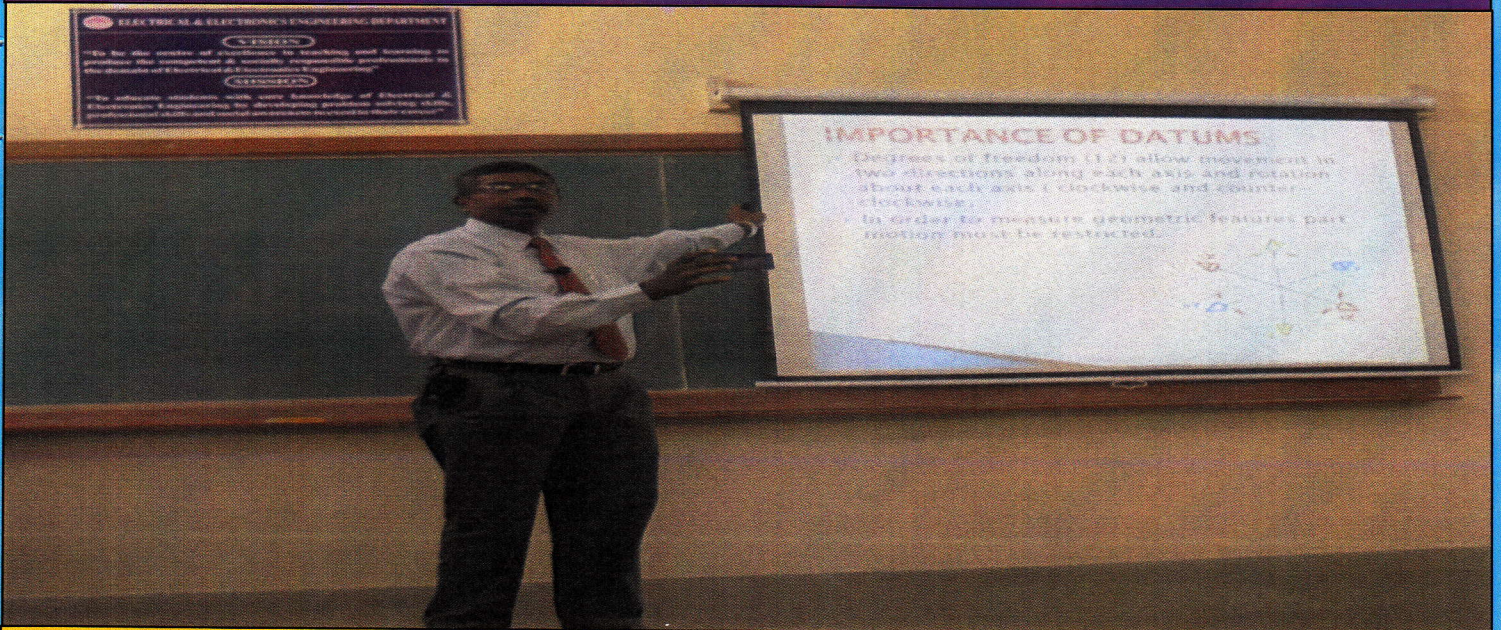
Department of Mechanical Engineering

News Letter 2018-19

PHOTO GALLERY



**Industrial Visit for 3rd Semester Students at Rajeev and Company
Manufacturers of Ball Valve, Devarwadi, Maharashtra on 27th October 2018**



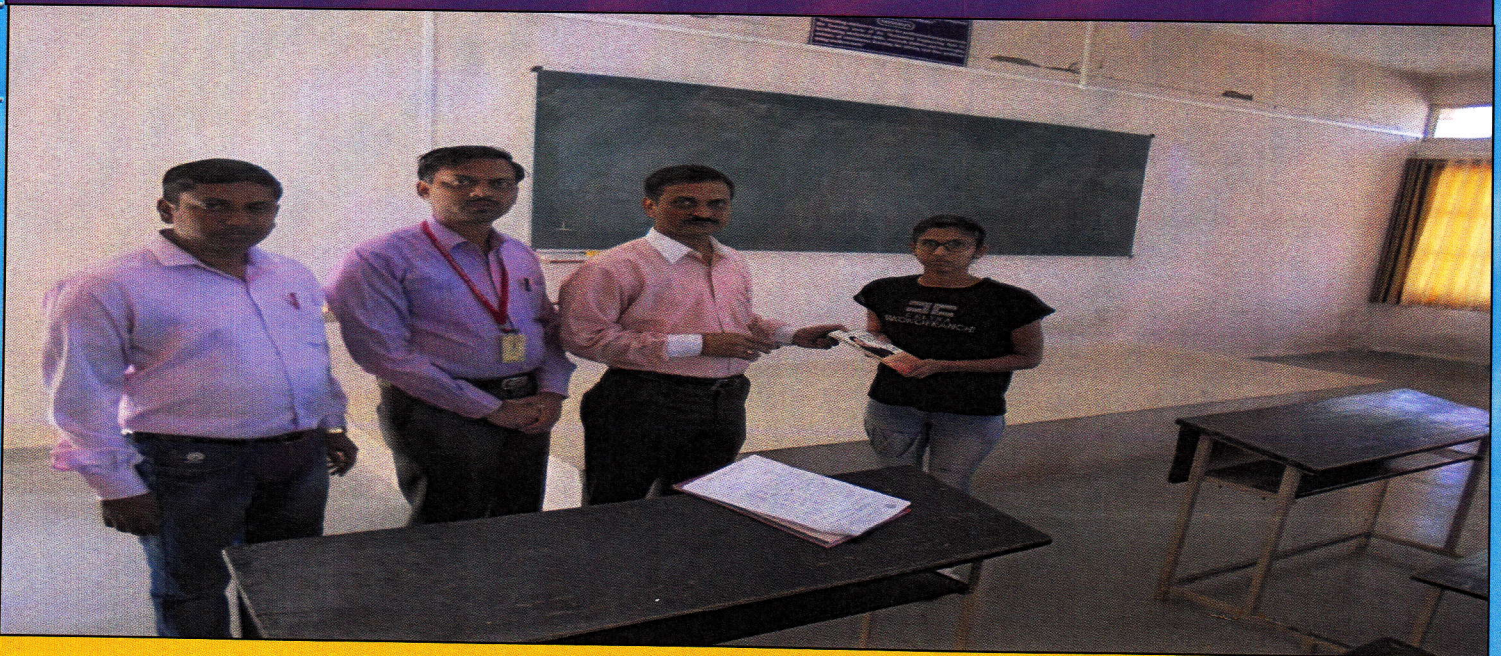
**Mr. N. B. Rajeev, Rajeev & Company, Vadagaon, Belagavi, Karnataka
Delivered Technical Talk on
Geometric Dimensioning and Tolerances on 17th November 2018**

Department of Mechanical Engineering

PHOTO GALLERY



Industrial Visit for 7th semester students at JSW Plant Toarangallu, Bellary on 08th March 2019.



Ms. Anjana Hunachyali Receiving Book Prize for being Internal Assessment Topper, under Best Practices on 13th March 2019.

Department of Mechanical Engineering

PHOTO GALLERY

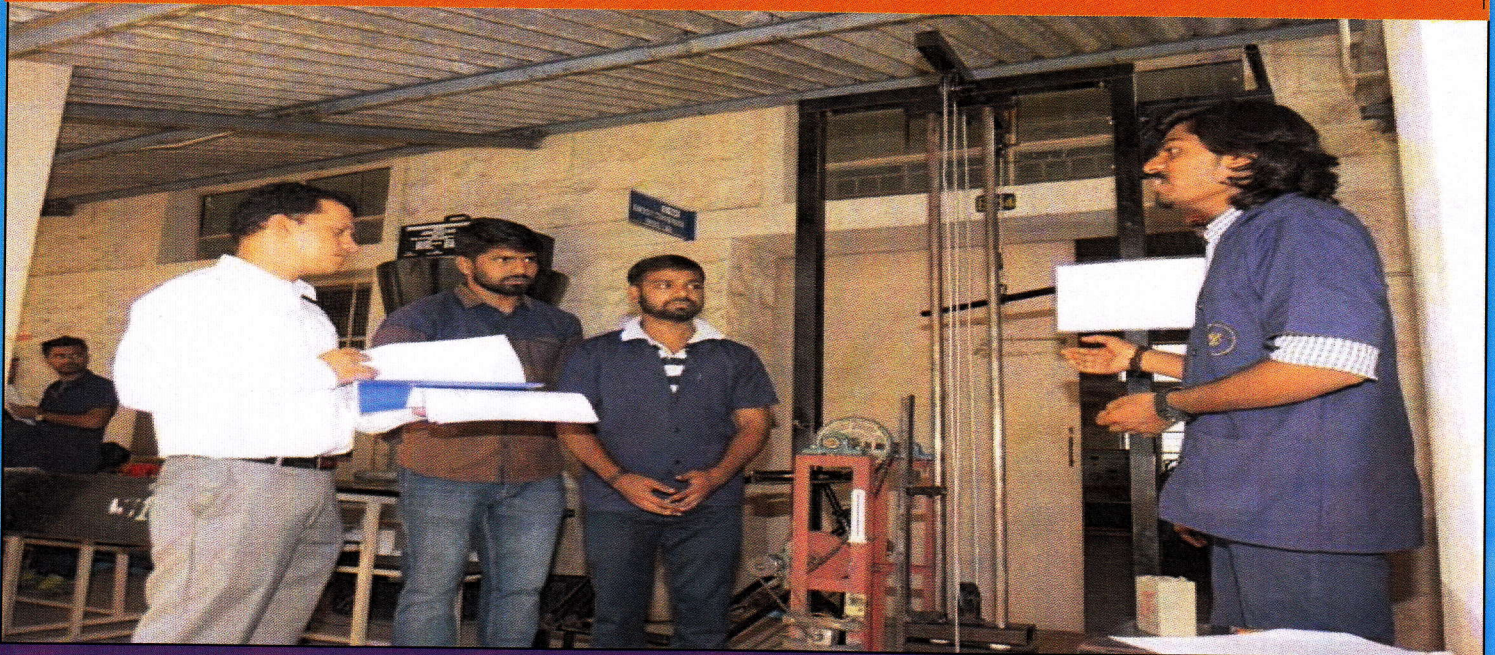


Mr. Akshay K Kakade, Senior Tool Design Engineer, AEQUS Aero-Structure India, Pvt. Ltd, Belagavi. Delivered Talk on Carrier in Design on 24th April 2019.

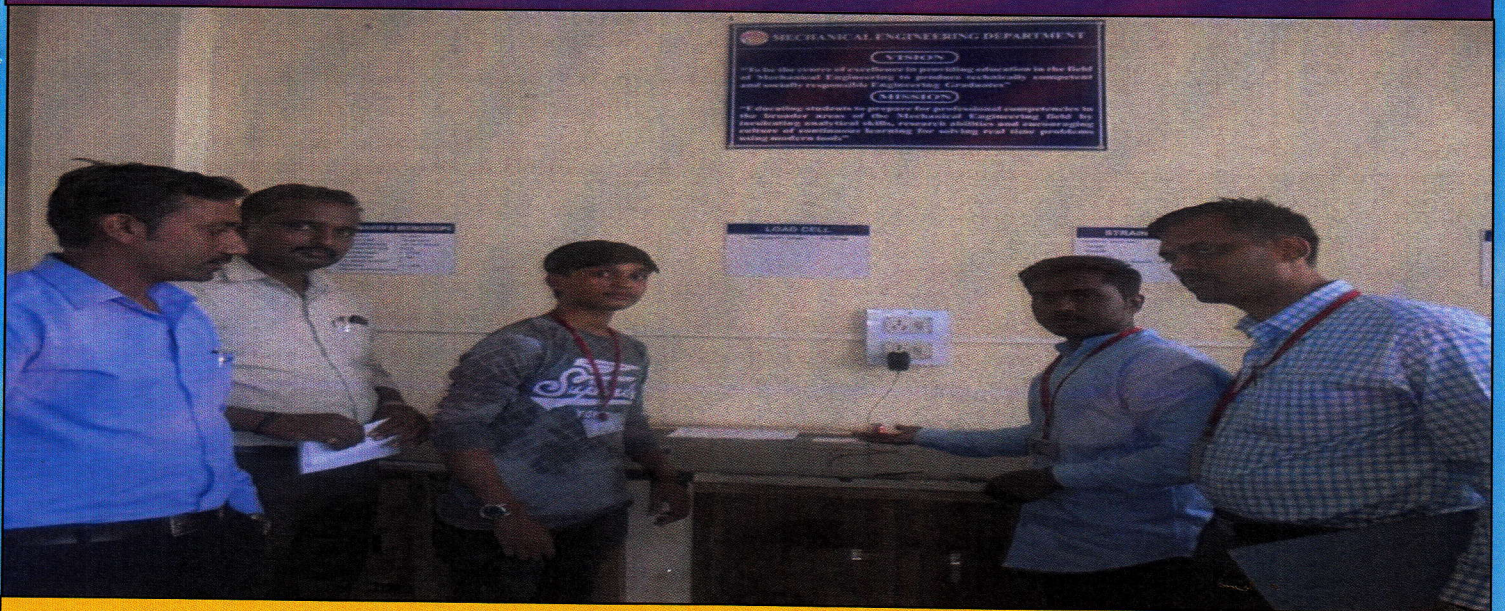


Industrial Visit to 6th Semester Students at Shivashakti Sugars Limited, Yadraavi, Raibag, Karnataka on 25th April 2019.

PHOTO GALLERY



Department Level Project Exhibition 2018-19 for the Final Year Students, Mr. Sanjay Murari, Crash Analyst, Equilibrium Solutions, Private Limited, Pune and Mr. Sugreev Tangade, Proprietor, SMAT Enterprises, Hubballi Were the Jury Member on 24th May 2019.

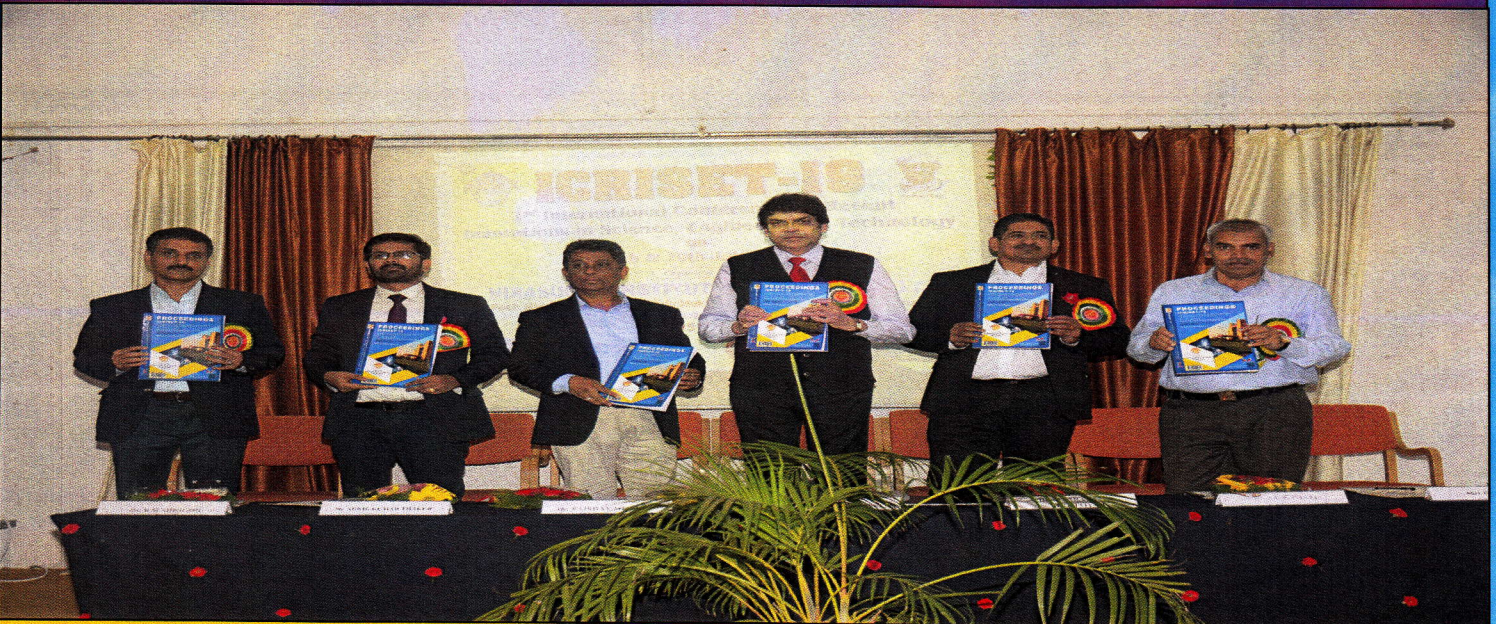


Departmental Level Hobby / Mini Project Exhibition Competition for Students, Mr. Balagouda S Patil Process Engineer QA, Big Casting Private Limited, Belagavi, Karnataka Was The Jury Member of the Competition on 9th April

PHOTO GALLERY



Department of Mechanical Engineering Conducted “International Conference on Recent Innovations in Science Engineering and Technology-2019” (ICRISSET-19) on 18th and 19th July 2019.

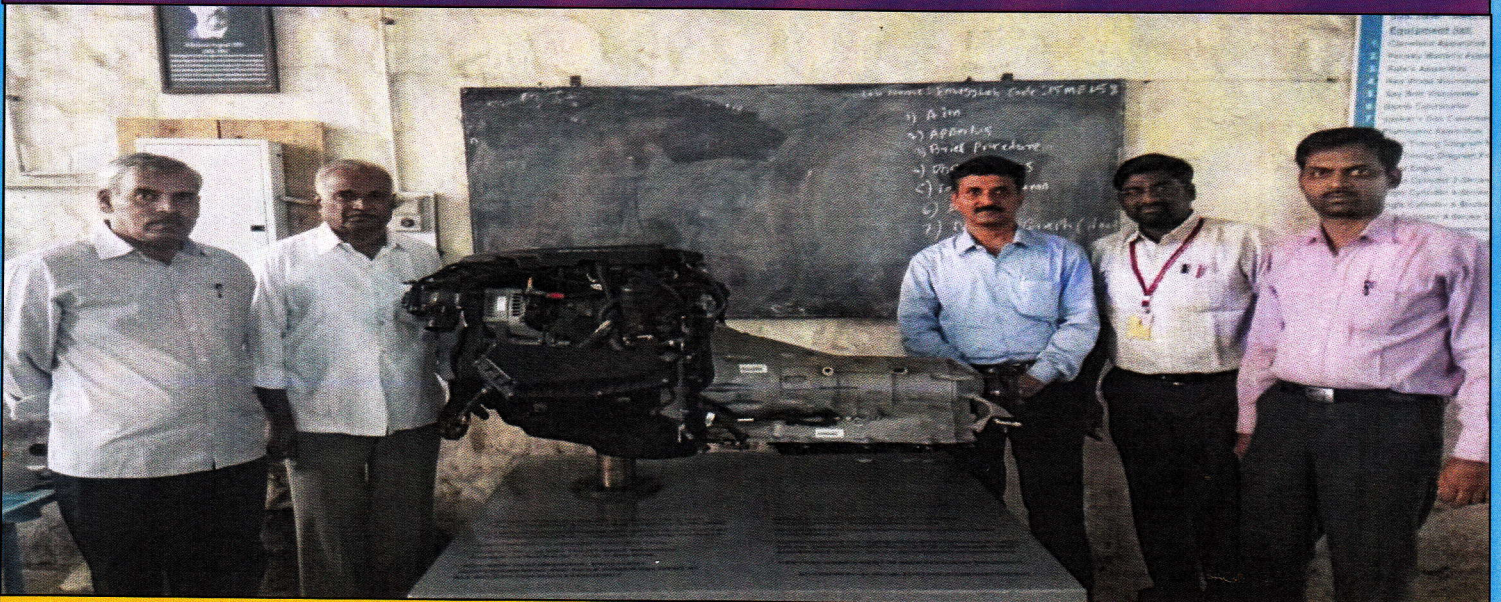


Release of Proceedings during the International Conference by the Dignitaries

PHOTO GALLERY



The VGST, Government of Karnataka catalyzed Wind Tunnel of Test Area (300 X 300 X 1000) mm Successfully Installed in the Department to Promote Research on Aerodynamic by The Programme Coordinator Dr. S.N. Topannavar.



BMW, 4 Cylinder, 2 Liter, 8 Speed, Turbocharged With Variable Geometry Diesel Engine Received Under BMW Skill Next Program.

News Letter 2018-19

PHOTO GALLERY



Dr. S.N. Topannavar received Ph.D Degree Award on The Research Title "Study on Heat Transfer and Fluid Flow Characteristics of Biomass Fluidized Beds" During VTU Annual convocation 2019.



Prof. S. R. Kulkarni and Mr. Rangarao. B. Kumbar Attended National Level Self Composed Poetry Recital Festival. During 07th July 2019 at Nagarmunnoli (Tq: Hukkeri, Dist: Belagavi)

Department of Mechanical Engineering

PHOTO GALLERY



Prof. R V Nyamagoud Presented a Technical Seminar on Strategies and ICT Tools for Hybrid Vehicles on 16th Feb. 2019

PHOTO GALLERY



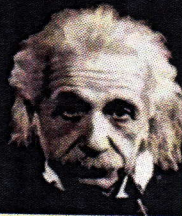
Miss. Bhaghyashree Kochari Receiving BEST GIRL Award during HSIT SAMBHRAMA-2019



Mr. Ganesh Jadhav, Receiving Cash Prize for 6th Semester Academic Topper during HSIT SAMBHRAMA - 2019

"If you want to live a
happy life, tie it to a
goal, not to people or
objects."

-Albert Einstein



EDITORIAL BOARD

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Ms. Priyanka. S. Koppad

Kum. Kaustubh S. Patil



Program Educational Objectives (PEOs)

The Graduates will be able to

- PEO1:** Acquire core competence in Applied Science, Mathematics and Mechanical Engineering fundamentals to excel in professional career and higher study
- PEO2:** Design, demonstrate and analyze the mechanical systems which are useful to society.
- PEO3:** Maintain professional & ethical values, employability skills, multidisciplinary approach & an ability to realize engineering issues to broader social context by engaging in lifelong learning.

Program Specific Outcomes (PSOs)

- PSO1:** Able to apply the basic principles of Mechanical Engineering in various practical fields to solve societal problems by engaging themselves in many state/national level projects.
- PSO2:** Able to analyze and design basic mechanical system using relevant tools and techniques.
- PSO3:** Able to resolve contemporary issues of industries through industry institute interaction and alumni social networks

Program Outcomes (POs)

- PO1: Engineering knowledge-** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO2: Problem analysis-** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3: Design/development of solutions-** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO4: Conduct investigations of complex problems-** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO5: Modern tool usage-** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- PO6: The engineer and society-** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO7: Environment and sustainability-** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8: Ethics-** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9: Individual and team work-** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10: Communication-** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO11: Project management and finance-** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO12: Life-long learning-** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

ತುಕ್ಕು ಹಿಡಿದು
ಅಳಿಯುವುದಕ್ಕಿಂತ
ದುಡಿದು ಸವೆಯುವುದು
ಮೇಲಾ.

- ಸರ್ ಎಂ. ವಿಶ್ವೇಶ್ವರಯ್ಯ

