



NEWS LETTER



2019-20

Mechanical Engineering Department

Volume: 08

September: 2K19-20



SJPN, Trust's

Hirasugar Institute of Technology, Nidasoshi

Approved by AICTE, New Delhi and Affiliated to VTU Belagavi- Accredited by NAAC at 'A' Grade & NBA

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 Desk's



**Dr. S. C. Kamate,
Prof. & Principal
HSIT, Nidasoshi**

Hirasugar Institute of Technology Nidasoshi has been extending the services to society in engineering education in the rural area of Belagavi District Karnataka State since last two and half decades under the guidance and blessings of his holiness Shri ShivalingeswarMahaswamiji of Siddha Sansthan Math Nidasoshi.

Our Student Mr. Punit Kumar Navi recognized as **University blue** in All India Inter University Shooting Tournament conducted at ManavRachana University, Feridabad (Haryana). Mr.UmeshHebbalehonored as **“Best Student of the ISTE Chapter Award”** in Convetion-2020 conduded at KSIT Bengalore. Our students are actively participated under the theme on how to enhance the income of village in National Convention **“ChhatraViswakarma Awards”** organized by AICTE New Dehli.

I congratulate HOD, Member 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 reader.

From The HOD Desk's



**Dr. S. N. Topannavar,
Prof. & HOD (MED)
HSIT, Nidasoshi**

The department believes on the theme “Student Centric Outcome Based Quality in Practice” and same has been implemented successfully. The department produced around 2000+ eminent alumni, who spread all corner of the world and contributing industry and society. The Association Integrated by Staff & Students-AIMSS is striving towards student and staff welfares and organizing student centric activities. Recently department has been taken a quality oriented initiatives and reforms to enhance the Teaching-Learning and Research & Development activities. The innovative academic policies have been implemented for slow learners and achieved positive changes among the students. Regularly, the department has been recognized the students’ talents and capabilities through the activities such as “Techno-Vision”, “HIT-QUEST”, “Hobby Project Exhibition” , “HIT FEST” etc. In the view of students’ career and employment, the department has been facilitated trainings and activities in the campus. The Research and Development activities has been promoted through well-established ecosystem of laboratories such as “Alternative Fuel Lab”, Aerodynamic Lab”, Project cum Assembly Lab”, “Coding & Simulation Lab”.

The achievement of nearly 300 students who have actively pursuing the degree is heightened here. This newsletter showcases some of 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 students ambitious and incredibly deserve accomplishments and that our students continue to exceed expectations. These outstanding students truly represent the success stories of tomorrow.



From Chief Editor's Desk

I am indeed very happy and proud of the latest developments and programs in the department. Newsletter acts as a communication channel among the alumni, faculty, students and experts in the 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-2019-20”. I wish all the best to the readers.



Prof. M.M. Shivashimpi

About the 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 the VTU 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 25th year of fruitful existence, the institution is planning for PG Courses and Research Centers in every department year after year. As an outcome of this initiative, a PG 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's degree, also got approval for Research Center in Mechanical Engineering Department from VTU, Belagavi. Department Accredited at 'A' Grade by NAAC and also accredited by NBA.



Staff Members



Celebration of Freshers' Day





Faculty Members

Name	Designation	Exp	Qualification	Name	Designation	Exp	Qualification
Dr. S. C. Kamate	Principal	27	PhD	Prof. M. M. Shivashimpi	Asst Prof	13	M Tech (PhD)
Dr. S. A. Alur	Professor	27	PhD	Prof. M. A. Hipparagi	Asst Prof	12	M Tech (PhD)
Dr. S. N.Topannavar	Assoc Prof	23	PhD	Prof. Anilkumar. Biradar	Asst Prof	10	M Tech
Dr. K. M. Akkoli	Asst Prof	21	PhD	Prof. Niranjana. Ukkali	Asst Prof	08	M Tech
Prof. Ravi. Chitgopkar	Asst Prof	28	M Tech	Prof. Mahesh. Inagalagi	Asst Prof	07	M Tech
Prof. G. A. Naik	Asst Prof	24	M Tech	Prof. Santosh. Awade	Asst Prof	08	M Tech
Prof. D. N. Inamdar	Asst Prof	19	M Tech (PhD)	Prof. Jagadeesh. A	Asst Prof	07	M Tech
Prof. G. V. Chiniwalar	Asst Prof	19	M Tech	Prof. M. I. Tanodi	Asst Prof	08	M Tech (PhD)
Prof. M. S. Futane	Asst Prof	16	M Tech	Prof. Kushal. Ambli	Asst Prof	09	M Tech (PhD)
Prof. S. A. Goudadi	Asst Prof	14	M Tech	Prof. B. M. Dodamani	Asst Prof	08	M Tech
Prof. S.R. Kulkarni	Asst Prof	12	M Tech	Prof. R.V. Nyamagoud	Asst Prof	07	M Tech
Prof. T.S. Vandali	Asst Prof	20	M Tech				

Technical Supporting Staff

Name	Designation	Exp	Qualification	Name	Designation	Exp	Qualification
Shri. V .G. Badiger	Foreman	24	DME	Shri. A. B. Sankeshwari	Foreman	23	DME
Shri. R. M. Hunchyali	Instructor	22	DME	Shri. M .S. Kurani	Instructor	06	DME
Shri. S. C. Jotawar	Instructor	27	DME	Shri. D. R. Badiger	Mechanic	25	SSLC
Shri. S. R. Nakadi	Instructor	33	DME	Shri. M J Patil	Welder	20	ITI
Shri. M. B. Badiger	Instructor	23	DME	Shri. C. B. Patil	Mechanic	15	ITI
Shri. R. B. Kumbar	Instructor	20	DME				

Ministerial Staff

Name	Designation	Exp	Qualification	Name	Designation	Exp	Qualification
Shri. R. G. Shivannavar	Helper	24	B A	Shri. P. S Pimpalgavi	Peon	24	S S L C
Shri. G. M. Hirekodi	Helper	24	S S L C	Shri. M S. Kadalagi	Helper	24	P U C
Shri G.D. Basappare	Peon	19	S S L C				



STUDENTS ACHIEVEMENTS

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	Paper Presentation	YashodBadagavi	'ANUTTURA' National Level Technical Symposium	SanthGajanan Rural Polytechnic Mahagaon, Gadhinglaj	21 st - September-2019	1 st	National
2	Paper Presentation	PriyankaKoppada	'INNOVATION' National Level Technical Event	Sharad Institute of Technology College of Engineering, Yadrav	28 th - February-2019	--	National

2. Technical Event

Sl.No.	Title	Author(s)	Name of the event	Venue	Date	National/State/College/Inter college level
1	Basic Engineering	Mrutyunjaya M Shiragannavar	Level-01 Technical Quiz	UBDTCE, Davanagere	15 th June 2020	National
2	Mechanical Engineering	Mrutyunjaya M Shiragannavar	Level-02 Technical Quiz	UBDTCE, Davanagere	15 th June 2020	National
3	Mechanical Reasoning	Mrutyunjaya M Shiragannavar	Level-03 Technical Quiz	UBDTCE, Davanagere	18 th June 2020	National
4	Quantitative Aptitude	Mrutyunjaya M Shiragannavar	Level-04 Technical Quiz	UBDTCE, Davanagere	18 th June 2020	National
5	Electrical Quiz-II	Punit Kumar P N	Technical Quiz	VSMIT, Nippani	20 th June 2020	National
6	Environmental Pollution Causes Effects & Control Measures	Punit Kumar P N	One Day Webinar	Sky Leadership Foundation, Bangalore	21 st June 2020	National
7	Exposure on CAD/CAM/CAE for better Product Design	Ningaraj Budi	One Day Webinar	HSIT, Nidasoshi	26 th June 2020	National
8	Kinematics of Machines	Mrutyunjaya M Shiragannavar	Technical Quiz	HSIT, Nidasoshi	2 nd July-2020	National
9	Kinematics of Machines	Punit Kumar P N	Technical Quiz	HSIT, Nidasoshi	3 rd - July-2020	National
10	Kinematics of Machines	Ningaraj Budi	Technical Quiz	HSIT, Nidasoshi	4 th - July-2020	National
11	Engineering Thermodynamics	Mrutyunjaya M Shiragannavar	e-quiz	HSIT, Nidasoshi	7 th July 2020	National



13	Electronic power Steering	Mrutyunjaya M Shiragannavar	One Day Virtual Workshop	Skyy Rider Institutions	13 th September 2020	National
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3. Project Exhibition

Sl.No.	Title	Author(s)	Name of the event	Venue	Date	Prize	National/State/College/Inter college level
1	How To Enhance The Income Of Village	ParsuramPujeri Siddakumar N.M. Aushaya .D. Komalkumar S.K.	Regional Competition of Vishwakarma Award 2019	South Western Region Bengalore, Organized by AICTE New Dehli	24 th December 2019	---	National
2	Project Exhibition	PunitChikkanagoudar	Anveshana 2020 Science & Engineering Fair (Regional)	Hubli - Dharwad	15 th , 16 th & 17 th Jan 2020	--	National
3	Project Exhibition	Pratik D. Patil	Anveshana 2020 Science & Engineering Fair (Regional)	Hubli - Dharwad	15 th , 16 th & 17 th Jan 2020	--	National
4	Project Exhibition	PunitChikkanagoudar	Anveshana 2020 Science & Engineering Fair	Bangalore	25 th , 26 th & 27 th Jan 2020	I	National
5	Project Exhibition	Pratik D. Patil	Anveshana 2020 Science & Engineering Fair	Bangalore	25 th , 26 th & 27 th Jan 2020	III	National

4. Sports

Sl.No.	Title	Author(s)	Name of the event	Venue	Date	Prize	National/State/College/Inter college level
1	Shooting	PunitkumarNavi	South Zone/All India Inter-University Tournament/Competition	ManavRachana University, Feridabad Haryana	12 th -15 th November 2019	VTU Blue	National
2	Foot Ball	PunitkumarNavi	HSIT SAMBHARAMA-2020	HSIT Nidasoshi	15 th February 2020	I	College
3	Long Jump	PunitkumarNavi	HSIT SAMBHARAMA-2020	HSIT Nidasoshi	15 th February 2020	III	College
4	Shot Put	Prajwalkadam	HSIT SAMBHARAMA-2020	HSIT Nidasoshi	15 th February 2020	II	College
5	Diskuss Throw	Prajwalkadam	HSIT SAMBHARAMA-2020	HSIT Nidasoshi	15 th February 2020	II	College



5. KSCST Sponsored Projects

Sl. No.	Title	Name of The Team Members(s)	Amount in Rs.	Sponsored By	Date
1	Small scale unit to manufacturing organic incense(DHOOP)(43S_BE_0465)	Mr.Parashuram Pujeri & Team	4500.00	KSCST, Bangalore	16/03/2020
2	Influence of injection timing, injection pressure and Aluminium oxide(al ₂ o ₃) nano particle added fish oil Methyl Ester (FOME) biodiesel on the performance and emission of compression ignition engine (43S_BE_0468)	Mr. Kempanna V Madawali& Team	5000.00	KSCST, Bangalore	16/03/2020
3	Mixed-mode solar cabinet drier (43s_be_0481)	Mr. Saikumar Gadag& Team	5500.00	KSCST, Bangalore	16/03/2020
4	Design and fabrication of an automatic blackboardcleaner (43s_be_2846)	Mr. Vaibhav M. Shinde& Team	4000.00	KSCST, Bangalore	16/03/2020
5	Design and fabrication of leaf spring for automobilesby using aramid and jute fiber composite (43s_be_3849)	Mr. Sangamesh G. Pujer& Team	5000.00	KSCST, Bangalore	16/03/2020
6	Exhaust emissions and its control technology by usingactivated viscous fibre and zeolite from exhaust gases of an I.C. engine (43s_be_3851)	Mr. Kiran Magadum & Team	5000.00	KSCST, Bangalore	16/03/2020




6. KSCST Best Project of the Year Award

Sl.No.	Name of the Students	Guide	Title
1	Mr. Saikumar Gadag	Prof. M M. Shivashimpi	Mixed Mode Solar Cabinet Drier
	Mr. Rohan Chate		
	Mr. Prashant Belagali		



7. Class Toppers




SEM: III (A&B)

		
Miss. Sumitra Shinde	Mr. Sacheen Patil	Mr. Siddharth V. Patil
1st Rank	2nd Rank	3rd Rank
82.9%	77.9%	76.4%

SEM: V (A&B)

		
Miss. Anjana Hunchyali	Mr. Sachin Chunamuri	Mr. Vinay Mathapati
1st Rank	2nd Rank	3rd Rank
81.00 %	80.87 %	78.12 %


SEM: VII (A&B)

		
Mr. Omkar Chavan	Mr. Shrishail R Badiger	Mr. Vaibhav Shinde
1st Rank	2nd Rank	3rd Rank
89.00 %	85.87 %	85.37 %



8. Class Toppers




SEM: IV (A&B)

		
Miss. Sumitra Shinde	Mr. Sacheen Patil	Mr. Babasabh Bagashahi
1st Rank	2nd Rank	3rd Rank
91.77 %	86.44 %	86.33 %

SEM: VI (A&B)

			
Mr. Sachin Chunamuri	Miss. Anjana Hunchyali	Mr. Deepak Mudasi	Mr. Vinay Mathapati
1st Rank	2nd Rank	3rd Rank	3rd Rank
86.5 %	86.13 %	84 %	84 %

SEM: VIII (A&B)

		
Mr. Shrishail R Badiger	Mr. Vaibhav Shinde	Mr. Rohit Halluri
1st Rank	2nd Rank	3rd Rank
93.86 %	92.57 %	92.14 %



DEPARTMENT ACTIVITIES

SL. No.	Topic of the seminar / Event	Date of Conduct	Resource person and address
1	Books distributed to bright students for AY: 2018-19 even semester under best practice.	7 th September 2019	HOD and all the staff members of Mechanical Engineering Department
2	Welcome function for 3rd Semester Students and Inauguration of AIMSS activities 2019-20	7 th September 2019	Mr. Santosh S. Patil, Founder and CEO, Infinity Group, Belagavi
3	Awareness Programme on Nirnal Filter	7 th September 2019	Mr. Santosh S. Patil, Founder and CEO, Infinity Group, Belagavi
4	Mini Anveshana Project Exhibition	20 th September 2019	1. Dr. Gopalkrishna Kamalapur, Professor, Electrical and Electronics Engineering Department, S.D.M. Engineering and Technology, Dharwad 2. Mr. Bhaskar S.V., Anveshana Coordinator, Agastya Foundation, Bangalore
5	Industrial visit	21 st September 2019	Supa Dam, Ganeshgudi Hydel Power Plant, Dandeli, Uttara Kannada district, Karnataka
6	One Day Workshop on QA& QC Non Destructive Testing (QA/QC-NDT)	26 th September 2019	1. Mr. Rajeev Thampi, Product manager, CADD Centre Training Services Private Limited, Chennai 2. Mr. K.R. Santosh Kumar, Business Support manager, CADD Centre Training Services Private Limited, Chennai 3. Mr. Vishal K, Business Support Engineer, CADD Centre Training Services Private Limited, Chennai 4. Mr. Shivanand D., Centre Head, CADD Centre, Belagavi
7	GauShala Visit	27 th September 2019	Haragapur, Taluk: Hukkeri, District: Belagavi
8	Career Guidance on Competitive Exam Preparation	6 th November 2019	1. Mr. Akhilesh Halagatti, Director, GURUDEV IAS & KAS Academy, Dharwad. 2. Mr. Santosh, KAS Successor, GURUDEV IAS & KAS Academy, Dharwad



9	Industrial visit	12 th November 2019	Rajeev and Company, Belagavi
10	CATIA and GD&T Training Programme	27 th January 2020 – 15 th February 2020	Mr. ShivanandDaroji, Technical Head, CADD Centre Tanning Services Private Limited, Belagavi
11	Industrial visit	1 st February 2020	AEQUS Special Economic Zone, 437/A, Hattargi Village, Hukkeri Taluk, Belagavi – 591 243 Karnataka
12	Books distributed to bright students for AY: 2019-20 odd semester under best practice.	4 th March 2020	HOD and all the staff members of the Mechanical Engineering Department
13	Industrial visit	13 th March 2020	Abhishek Alloys Private Limited, Belagavi
14	One Day Webinar on Exposure of CAD/CAM/CAE for Better Product Design	26 th June 2020	Mr. K. R. Santhosh Kumar. Manager-Business Support, CCTS Private Limited Bengaluru
15	National Level E-Quiz on Kinematics Of Machines	1 st July 2020	Prof. MahanteshTanodi, Assistant Professor, Mechanical Engineering Department, Hirasugar Institute of Technology, Nidasoshi
16	National Level E-Quiz on Engineering Thermodynamics	6 th July 2020	Prof. B. M. Dodamani, Assistant Professor, Mechanical Engineering Department, Hirasugar Institute of Technology, Nidasoshi
17	National Level E-Quiz on Machine Tools and Operations	13 th July 2020	Prof. M. A. Hipparagi, Assistant Professor, Mechanical Engineering Department, Hirasugar Institute of Technology, Nidasoshi
18	National Level E-Quiz on CAD/CAM/CIM	22 nd July 2020	Prof. M. S. Futane, Assistant Professor, Mechanical Engineering Department, Hirasugar Institute of Technology, Nidasoshi



FACULTY ACHIEVEMENTS

1. Faculty Development Program/ Training/STTP/Refresh Course/ Orientation Program Attended By Faculty Members

Sl. No.	Faculty	Prog	Title	Relevancy	Date	Place
01	Dr. S. N. Topannavar	One Week FDP	Solar Thermal Technologies for Process Heat and Power	Renewable Energy Resources	17 th to 21 st June 2019	IIT. Bombay
02	Prof. B.M.Dodamani	12 Week NPTEL SWAYAM Course	Energy Conservation and Waste Heat Recovery	Energy Management	July to October 2019	IIT, Kharagpur
03	Dr. S. N. Topannavar	12 Week NPTEL SWAYAM Course	Energy Conservation and Waste Heat Recovery	Energy Management	July to October 2019	IIT, Kharagpur
04	Prof. B.M.Dodamani	One Week FDP	Measurement and analysis of In-Cylinder processes in Engines	Internal combustion engines and emission control Methods	25 th to 30 th November 2019	IIT, Madras
05	Prof. G.V.Chiniwalar	One Week FDP	Theory of plasticity and its applications	Mechanical Properties of Materials	25 th to 30 th November 2019	IIT, Bombay
06	Prof. N.M.Ukkali	One Week FDP	FEM Simulations in Metal Forming: Formulation and Practical Implementation	Finite Element Method	9 th to 13 th December 2019	IIT. Bombay
07	Prof. S.A.Goudadi	One Week FDP	FEM Simulations in Metal Forming: Formulation and Practical Implementation	Finite Element Method	9 th to 13 th December 2019	IIT. Bombay
08	Prof. B.M.Dodamani	Two Week FDP	Current practices and Critical Issues for OBE in Engineering Education/Institut	OBE	27 th January to 7 th	BEC, Bagalkot



			ions		February 2020	
09	Prof. G.V.Chiniwalar	Two Week FDP	Current practices and Critical Issues for OBE in Engineering Education/Institutions	OBE	27 th January to 7 th February 2020	BEC, Bagalkot
10	Prof. S.A.Goudadi	Two Week FDP	Current practices and Critical Issues for OBE in Engineering Education/Institutions	OBE	27 th January to 7 th February 2020	BEC, Bagalkot
11	Prof. D. N. Inamdar	One Day FDP	Faculty Program on NBA	Accreditation	14 th May 2020	Bharati Vidyapeeth College of Engineering, Navi Mumbai
12	Dr. K.M.Akkoli	One Day FDP	Faculty Program on NBA	Accreditation	14 th May 2020	Bharati Vidyapeeth College of Engineering, Navi Mumbai
13	Prof. Mahantesh Tanodi	One Week FDP	Renewable Energy Sources: A Way Ahead	Renewable Energy	15 th to 21 st May 2020	Cummins College of Engineering for Women, Nagpur
14	Prof. M.A. Hipparagi	One Day Webinar	Graphene – the Future Material	Nano Science	18 th May 2020	Cambridge Institute of Technology, Bengaluru
15	Dr. K.M.Akkoli	One Day Webinar	Graphene – the Future Material	Nano Science	18 th May 2020	Cambridge Institute of Technology, Bengaluru
16	Dr. K.M.Akkoli	One Day FDP	How To Be An Excellent Online Tutor	Academics	21 st May 2020	Ashok kumar Manimaran Founder – Unitieup
17	Prof. D.N.Inamdar	One Day Webinar	Corona Virus Disease (COVID-19) Evolution and Pathogenicity	Social Awareness	23 rd May 2020	Narayana Pharmacy College, Nellore
18	Dr. K.M.Akkoli	One Day	Successful	Research	29 th May	Researcher



		FDP	research grant applications – getting it right	Proposal	2020	Academy, Elsevier
19	Prof. M.S. Futane	One Week FDP	Refrigerants Progression-Environmental Concerns	Refrigerating and Air Conditioning	1 st to 5 th June 2020	QIS College of Engineering Technology, Ongole
20	Prof. M.A. Hipparagi	One Week STTP	Sensor, IOT and Machine Learning	Programming Languages	1 st to 5 th June 2020	K.J. Somaiya College of Engineering, Vidyavihar Mumbai
21	Prof. M.S. Futane	One Week FDP	Advance CNC and VMC Programming	Manufacturing Technology	2 nd to 6 th June 2020	KIT, College of Engineering, Kolhapur
22	Prof. M.R. Hipparagi	One Week FDP	Emerging Research Areas in Engineering	Research and Development	5 th to 9 th June 2020	SRM Institute of Science and Technology, Ramapuram Chennai
23	Prof. M.S. Futane	One Week FDP	Exploring the Dimensions of Innovation, Incubation and Emerging Technologies to Embrace Post COVID Changes	Social Awareness	8 th to 12 th June 2020	Hope Foundation's Finolex Academy of Management & Technology, Ratnagiri
24	Prof. M.A. Hipparagi	One Week FDP	Energy Conservation and Renewable Energy	Energy Conservation	8 th to 12 th June 2020	School of Engineering and Technology, Indira Gandhi National Open University, New Delhi
25	Prof. M.M. Shivashimpi	One Week FDP	Multi-Objective Optimization for Mechanical Engineering Applications	I C engine	8 th to 12 th June 2020	QIS College of Engineering and Technology Ongole
26	Prof. M.M. Shivashimpi	One Day Technical Quiz	Operations Research	Operations Research	9 th June 2020	V. P. Dr P.G Halakatti College of Engineering and Technology Vijayapur
27	Prof. D.N.Inamdar	One Day Quiz	National Level Quiz on NBA	Accreditation	9 th June 2020	Padmabhushan VasantdadaPati IPratishthan's



						College of Engineering, Mumbai
28	Prof. D.N.Inamdar	One Day Technical Quiz	Finite Element Method	Finite Element Method	10 th June 2020	Navodaya Institute of Technology, Raichur
29	Prof. M.S. Futane	One Day Webinar	Recent Trends in Advance Composites and Smart Materials & Structures	Composite Materials	11 th June 2020	Brindavan College of Engineering, Bengaluru
30	Prof. M.M. Shivashimpi	One Day Training	Successful Research Paper: Concepts to Submission	Research and Development	11 th June 2020	KLECET Belagavi
31	Prof. M.M. Shivashimpi	One Day Quiz	Personality Development Quiz	Soft Skills	11 th June 2020	Proudhadevara ya Institute of Technology, Hosapete
32	Prof. M.M. Shivashimpi	One Day Webinar	Additive Manufacturing for Bioimplant Manufacturing and its Challenges	Manufacturing Technology	13 th June 2020	Arasu Engineering College, Kumbakonam
33	Prof. M.M. Shivashimpi	One Week FDP	Composite Materials and Structures	Composite Materials	15 th to 19 th June 2020	Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal
34	Prof. D.N.Inamdar	One Week FDP	Industry 4.0 – A Vision Of Design And Manufacturing	Industry 4.0	16 th to 20 th June 2020	ChaitnyaBharathi Institute of Technology, Kokapet Hyderabad
35	Prof. M.S. Futane	One Day Workshop	Design Thinking for Next Industrial Revolution- Industry 4.0	Industry 4.0	22 nd June 2020	Arasu Engineering College, Kumbakonam
36	Prof. D.N.Inamdar	One Week FDP	Research Opportunities in Advanced Manufacturing Processes	Manufacturing Technology	22 nd to 28 th June 2020	BharatiVidyapeeth, College Of Engineering, Pune
37	Prof. M.M.	One Day Technical	Thermal	Thermal	23 rd June	Smt. Kamala & Sri.



	Shivashimpi	Quiz	Engineering	Engineering	2020	Venkappa M Agadi College of Engineering and Technology, Lakshmeshwar
38	Prof. M.S. Futane	One Week FDP	Automation and Robotics	Automation and Robotics	24 th to 30 th June 2020	MallaReddy College of Engineering, Secunderabad
39	Prof. M.S. Futane	One Day Technical Quiz	Exposure of CAD/CAM/CAE for Better Product Design	Machine Design	26 th June 2020	HIT, Nidasoshi
40	Prof. M.M. Shivashimpi	One Day Technical Quiz	Exposure of CAD/CAM/CAE for Better Product Design	Machine Design	26 th June 2020	HIT, Nidasoshi
41	Prof. D.N.Inamdar	One Day Technical Quiz	Exposure of CAD/CAM/CAE for Better Product Design	Machine Design	26 th June 2020	HIT, Nidasoshi
42	Dr. S. N.Topannavar	One Day Technical Quiz	Thermal Domain	Thermal Engineering	27 th June 2020	Geethanjali College of Engineering and Technology, Hyderabad

2. Faculty as Reviewer Members for Various National/International

Sl. No.	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	****

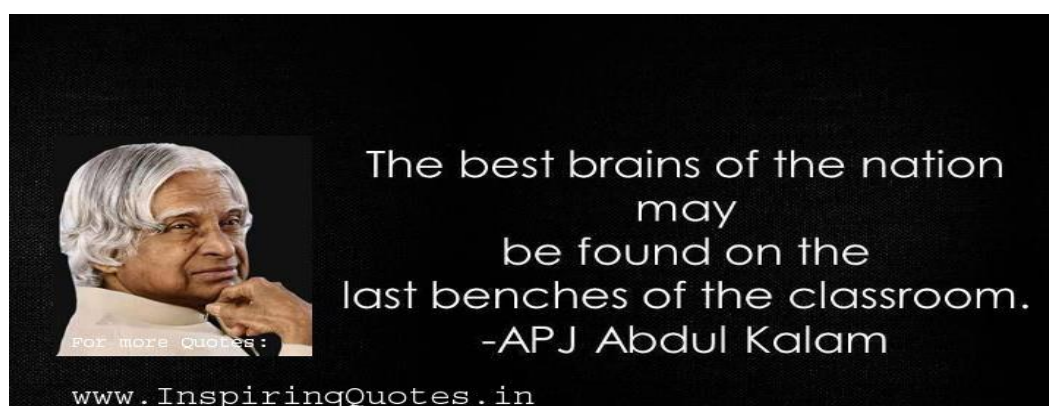


3	Dr. K.M. Akkoli	Waste and Biomass Valorization	Springer
		Renewable energy	Elsevier
		Journal of Mechanical Engineering and Sciences	UMP Publisher
		Journal of Energy Research and Reviews	Science domain International
		International journal of green energy	Taylor and Francis
4	Prof. B.M. Dodamani	International Journal of Mech Engineering	Prince Publishers, A group of London press, Norway
	Prof. Jagadeesh A Prof. KushalAmbli Prof. B.M. Dodamani	Journal of Emerging Technologies and Innovative Research- UGC approved journal	IJ Publication
	Prof. B.M. Dodamani	Journal of Emerging Technologies and Innovation Research(JETIR)	JETIR Explore publishers
5	Prof. M.M. Shivashimpi	Biofuels	Taylor and Francis



3. Publications in International/National Conferences during AY 2019-20

Sl No	Author's	Title of the Paper	Conference Name/ Publication Details/Citation	International/National/St ate/Inter college/College Level	Page no
1	Dr. K. M. Akkoli, Dr. P.B. Gangavati, Dr. N. R. Banapumath, Dr. V.S. Yaliwal	Performance and Emission Characteristics of Producer Gas Operated Dual Fuel Diesel Engine with Cooling Cleaning System	Conference: 3 rd International Conference on Advances in Power Generation from Renewable Energy Sources 2019 Journal: SSRN Publisher: Elsevier ISSNNumber: 1556- 5068 Published on: 2019 Link: https://hq.ssrn.com /conference=2019- APGRES	International	1-12
2	Mr. S. S. Kattimani, Dr. S N. Topannavar Prof. M M. Shivashimpi Prof. B M. Dodamanid	Experimental Investigation of Compression Ratio and Fuel Injection Strategies on Single Cylinder DI Diesel Engine Operated with FOME Biodiesel	Conference: 3 rd International Conference on Advances in Power Generation from Renewable Energy Sources 2019 Journal: SSRN Publisher: Elsevier ISSN Number: 1556- 5068 Published on: 2019 Link: https://hq.ssrn.com /conference=2019- APGRES	International	1-15
3	Mr. Gurushanth B Vaggar Dr. S.C. Kamate	A Study on Thermal Properties and Wear Characterization of Glass Fiber Hybrid Composite Materials	Conference: NCMPC- 2019 Conference Proceedings Journal: International Journal of Engineering Research & Technology Publisher: ijert.org ISSN Number: 2278- 0181 Published on: 2019 Link: https://www.ijert.o rg	International	1-4





4. Faculty members who have achieved 100% Result in Odd and Even Semester

Name of Faculty	Subject	Sub Code	Semester
Prof. K. G. Ambli	Mat. Sc	17ME34	3 rd
Prof. S. R. Kulkarni	MCW	18ME35B	
Prof. B. M. Dodamani	MMM	18ME36B	
Prof. A.M. Biradar	CAMD	18ME36A	
Prof. M. A. Hipparagi Prof. R.K.Chitgopkar	NTM	17ME554	5 th
Prof. A.M. Biradar	E&E	17ME562	7 th
Dr. B.M. Shrigiri Dr. S.N. Topannavar	EE	15ME71	
Prof. M.R.Ingalagi Prof, N. M. Ukkali	CE	15ME73	
Prof. S B. Awade	Tribology	15ME742	
Prof. M. S. Futane	Mechatronics	15ME753	4 th
Prof. M. M. Shivashimpi Dr. B.M. Shrigiri/Dr. S. C. Kamate	ATD	18ME42	
Prof. R. V. Nyamagoud Dr. S.N. Topannavar	FM	18ME43	
Prof. MahanteshTanodi Prof. G.V. Chiniwalar	KOM	18ME44	
Prof. M. A. Hipparagi	MCF	18ME45A	
Prof. G.A. Naik	MMM	18ME46B	
Prof. S. A .Goudadi Prof. T.S. Vandali	FEA	17ME61	6 th
Prof. M. S. Futane Prof. M. A. Hipparagi	CIM	17ME62	
Dr. K. M.Akkoli Dr.S.C.Kamate	HT	17ME63	
Prof. S. B. Awade Prof. D.N.Inamadhar	DOME-II	17ME64	
Prof. A.M. Biradar Prof. M.R.Ingalagi	AE	17ME655	
Prof. K. G. Ambli Prof. S.R.Kulakarni	TQM	17ME664	
Prof. S. A .Goudadi	OR	15ME81	8 th
Prof. M. S. Futane Prof. B.M.Dodamani	PLCM	15ME835	



5. Publications in International/National Journals during AY 2019-20

Sl. No.	Author's	Title of the Paper	Journal/ Publication Details/Citation	International/ National/State/ Inter college/College Level	Page No
1	Dr. K. M. Akkoli Dr. P.B. Gangavati Dr. N. R. Banapumath	Effect of Cooling Cleaning System on the Performance and Emission Characteristics of Producer Gas Operated Dual-Fuel CI Engine	Journal: International Journal of Applied Engineering Research Publisher: Research India Publications ISSN Number: 0973-4562 Published on: 2019 Volume: 14(3) Link: http://www.ripublication.com Impact Factor: 0.51	International	687-693
2	Dr. K. M. Akkoli Dr. P.B. Gangavati Dr. N. R. Banapumath Dr. V.S. Yaliwal	Comparative study of various biofuel combinations derived from agricultural residues on the performance and emissions of CI engine	Journal: International Journal of Sustainable Engineering Publisher: Taylor and Francis ISSN Number: 1939-7046 Published on: 25 th June 2019 Volume: 13(2) DOI: 10.1080/19397038.2019.1634774 Impact Factor: 1.32	International	140-150
3	Prof. M.M.Shivashimpi Dr. N. R. Banapurmath Dr. S. A. Alur Prof. B. M. Dodamani	Optimisation of nozzle geometry in the modified common rail direct injection biodiesel-fuelled diesel engine	Journal: International Journal of Ambient Energy Publisher: Taylor and Francis ISSN Number: 2162-8246 Published on: 1 st October 2019 DOI: 10.1080/01430750.2019.1670726 Impact Factor: 2.7	International	1-9
4	Prof. S.R. Kulkarni Prof. S.A. Goudadi	High Efficient Rotary Huller Machine	Journal: International Journal of Engineering Applied Sciences and Technology Publisher: IJEAST ISSN Number: 2455-2143 Published on: July 2019 Volume: 4(5) Link : https://www.ijeast.com/index.php Impact Factor: 4.982	International	1-5
5	Prof. G. B. Vaggar Dr. S. C. Kamate	Thermal property characterization for enhancement of thermal conductivity of hybrid polymer composites	Journal: International Journal of Materials Today: Proceedings Publisher: Elsevier ISSN Number: 2214-7853 Published on: 27 th November 2019 Volume: 20 DOI: 10.1016/j.matpr.2019.11.055 Impact Factor: 1	International	208-212
6	Prof. G. B Vaggar Dr. S.C. Kamate Prof. P.V. Badyankal	A study on thermal conductivity enhancement of silicon carbide filler glass fiber epoxy resin hybrid composites	Journal: International Journal of Materials Today: Proceedings Publisher: Elsevier ISSN Number: 2214-7853 Published on: 24 th February 2020 Volume: 35 DOI: 10.1016/j.matpr.2020.02.008 Impact Factor: 1.3	International	330-334



7	Mr. S. S. Kattimani Dr. S. N. Topannavar Prof. M.M. Shivashimpi Prof. B.M. Dodamani	Experimental investigation to optimize fuel injection strategies and compression ratio on single cylinder DI diesel engine operated with FOME biodiesel	Journal: International Journal of Energy Publisher: Elsevier ISSN Number: 0360-5442 Published on: 30 th March 2020 Volume: 200 DOI: 10.1016/j.energy.2020.117336 Impact Factor: 6.082	International	1-12
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5. Conference Attended by Faculty during AY 2019-20

Sl No	Author's	Title of the Paper	Conference Name/ Publication Details/Citation	International/ National/State/ Inter college/College Level
1	Dr. K. M. Akkoli	Performance And Emission Characteristics Of Producer Gas Operated Dual-Fuel Diesel Engine With Cooling Cleaning System	Name of Conference : Advances in Power Generation from Renewable Energy Sources 2019 Conference Date: 11 th to 12 th February 2019 Name of Conference Organizer: Govt. Engineering College Banswara, Rajstan, India	International

6. Faculty As a Resource person during AY 2019-20

Sl No	Faculty	Presentation/ Jury Member/ Chair Person	Date	Place
1	Prof. M. S. Futane	Participated as a guest lecturer on the topic Career Guidance for final year students	26 th August 2019	Dr. A.D. Shinde College of Engineering, Bhadgaon
2	Prof. D.N. Inamdar	Participated as resource person in Faculty Development Programme on NBA and OBE works	7 th to 8 th February 2020	VSM's Somashekar R. Kothiwale Institute of Technology, Nippani



2020 BATCH PLACEMENTS



Mr. Ajay Terani

BYJUS's, Bengaluru
Package: 10 LPA



Mr. UmeshHebbale

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Mr. IliyasNadaf

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Miss. Priyanka Koppad

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Bengaluru
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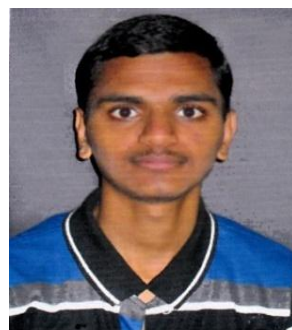
Mr. Shrishail Badiger

CAD Vision R & D, Bengaluru
Package: 3.5 LPA



Mr. Vijaykumar B

CAD Vision R & D,
Bengaluru
Package: 3.5 LPA



Mr. AkshayShettimani

ETHNUS CODEMITHRA,
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Package: 2.5 LPA



Mr. Vaibhav M S

Qspiders, Bengaluru
Package: 2.5 LPA



Mr. Suneel F M

Qspiders, Bengaluru

Package: 2.5 LPA



Mr. Sidmallappa H

Qspiders, Bengaluru

Package: 2.5 LPA



Mr. Ganesh K S

Qspiders, Bengaluru

Package: 2.5 LPA



Mr. Vishal Patil

Qspiders, Bengaluru

Package: 2.5 LPA



Mr. Akhilesh Dravid

TVS Motors Mysore

Package: 3.5 LPA



Mr. Summet Kubsad

TVS Motors Mysore

Package: 3.5 LPA



Mr. Nachiket Dharmadikari

Adroit Engineers Kolhapur

Package: 2.5 LPA



Mr. Punit Chikanagoudar

Divgi Torque Transmission Systems Pune Package: 2.5 LPA



Mr. Basavaraj Halli

Divgi Torque Transmission Systems Pune

Package: 2.5 LPA



Mr. Dhareppa T

Divgi Torque Transmission Systems Pune Package:

2.5 LPA



Mr. Panchappa Tulajannavar

Rochem Separation Systems, Bengaluru

Package: 2.5 LPA



















Mr. Shambulingayya Adahallimath

Suprajit Engineering Limited Bengaluru

Package: 2.5 LPA



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Industry Collaborations for Better Understanding of the Concepts

Memorandum of Understanding with Following Companies for Better Industry Institute Interactions for students.

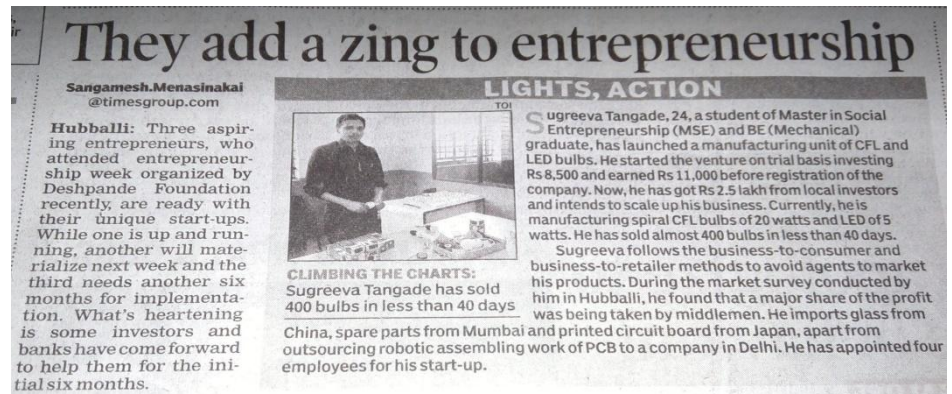


KONARK
HEAT SYSTEM





PROUD ENTREPRENEUR



Mr. Sugreev Tangade.

Founder & CEO, SMAT Enterprises, Hubli.

SMAT Enterprise was established in the year 2015. We are a leading Manufacturer and Supplier. We are affianced in offering a wide range of LED Bulb that is recognized for easy installation. These bulbs find their extensive demand in residential, industrial and commercial sectors. These bulbs are designed and reduced by our experts with the best tools. They are elite and excellent in design. They are available in many specifications and designs. These bulbs are LED finished and quality high in designs. We aim to provide long functional products with complete quality assurance. These are safe, easy to install, high in demand and are largely provided in various sizes. Our superlative collections are available in the market at the minimum market price range.



PROUD ALUMNI



Mr. Praveen Handigund
Senior Team Lead -Tata
technologies
Pune



Mr. Manjunath Shetter
MILACRON India Ltd. Bengaluru
Manager- Mfg Support CAD/CAM



Mr. Dhondiba Chougule
Division Head- Sales, KEIHIN Fie
Pvt. Ltd. Pune



Mr. Arvind Todkar
Manager QA
Flash Electronics INDIA Pvt Ltd



Mr. Hemant Dengi
LEAR Corporation India Pvt. Ltd
Engg Manager



Mr. Praveen Diwan
TCS LTD, Pune
Project Manager, SAP Practice



Sri. Kapil Hukkeri,
Deputy General Manager
Reliance Power, Mumbai



Sri. Gangadhar Huddar.
Scientist F, BARC TROMBAY &
Young scientist Award winner



Sri. Suneel Huddar,
Wing Commander, Indian Airforce



Sri. Sugreev Tangade.
Founder & CEO, SMAT Enterprises,
Hubli.



Mr. Rajendra Tupale
Manager, Research & Development,
Bajaj Auto Limited, Pune



Mr. Mahantesh Vakkund
Entrepreneur & Secretary,
BJP Belagavi Mahanagar



Mr. Sachin Kulkarni,
QA Lead, GT Nexus Pvt Ltd,
Bengaluru



Mr. Vinod Dhange
Excise Govt. of Karnataka
Deputy Superintendent of



Mr. Ramajgol Rajkumar M.
Jalahalli, Bengaluru
Scientist/Engineer "SE", LEOS/SRO.



Mr. Rushant Surve
Manager, Search services Corporate,
patents at Novo Nordisk, Bengaluru



Mr. Sunil Hajare
Merchant Navy, Goa.
Deputy Chief Engineer



Mr. Vidyanad Kesti
Specialist-CFD, Mann & Hummel
Filter Pvt Ltd, Bengaluru



Mr. Amol Desai
Vice President, Sales
Wasan Trucking, Mumbai



Mr. Premnath Shirkoli
Project Manager,
Johnson and Johnson, New
Brunswick NJ USA



Mr. Nitin Mhajan
QuEST Global Engineering, Pvt
Ltd, Project Leader



Mr. Nilesh Mudalgikar
GmbH, Germany
Team Lead, Denso Automotive



Mr. Pranay Prabhugaokar
Associate Vice President and
Head of Intellectual Property,
Region India. Siemens
Technology Pvt Ltd, Bengaluru



Mr. Mallanagouda Patil
Sr. Engineer Design
AKER Solutions Pune



PHOTO GALLERY



The project entitled on “Composite material” Secured First prize and the project entitled on “Seed collecting and bagging machine” Secured Third Prize in Anveshana 2020 Science and Engineering Fair on 25th, 26th and 27th February 2020 held at Bangalore



“Best Student of Chapter Award -2019” Presented to Mr. Umesh Hebbale this award based on his overall performance and active involvement in ISTE Chapter Activities in Convention-2020 held at KSIT, Bangalore



Final Year Engineering students Mr. Pratik Patil, Mr. SourabhSali, Mr. RohanChate are Designed a Grain Bagging Machine, which makes the process of filling grains in gunny bags faster and less labor dependent. Eight-grader Mr. AtharvaDeshpande and ninth-grader Mr. Prajwal Bhosale part of Project.



Our students are actively participated under the theme entitled “How to Enhance the Income of Village” in the National Convention-2020 of ChhatraVishwakarma Awards-2019 held on 24th February 2020 at AICTE



The student’s projects secured prize in Anveshana 2020 Science and Engineering Fair (Regional) on 15th, 16th and 17th January 2020 Hubli-Dharawad



Mr. Akhilesh Drawid Secured Second Prize of Rs. 10,000/- in State Level Music Competition organized by Satish Sugar Award held at Yamakanmaradi,



Industrial Visit for 3rd Semester Students to Abhishek Alloys Private Limited, Belagavi on 13th March 2020



Industrial Visit for Final Year Students to AEQUS Private Limited, Belagavi on 1st February 2020



Industrial Visit for 5th Semester Students to Supa Dam, GaneshgudiHydel Power Plant, Dandeli, Uttara Kannada district, Karnataka on 21st September 2019



Training program on CATIA and GD & T software Tools conducted to students by Mr. Shivanand Daroji Technical Head, CADD Centre Tanning Services Private Limited, Belagavi from 27th January 2020 –15th February 2020



Mr. Kiran Magadam received an appreciation certificate from IPS officer Shri. Annamalai, for sharing the inspiring leadership journey and encouraging youth in the 10th Yuva Summit organized by DeshpandeFoundation Hubli on 1st February 2020



Mr. Santosh S. Patil, Founder and CEO, Infinity Group, Belagavi, delivered the Motivational Speech on Occasion of Welcome Function for 3rd Semester Students and Inauguration of AIMSS Activities 2019-20 on 7th September 2019



Board of Management Appreciation for Project entitled "Mixed Mode Solar Cabinet Dryer". Which has been awarded as "Best Project of the Year" under the 43rd Student Project Programme of KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY Indian Institute of Science Campus, Bengaluru



Mini Anveshana Project Exhibition 2019-20 conducted for the Final Year Students. Dr. Gopalkrishna Kamalapur, Professor, Electrical and Electronics Engineering Department, S.D.M. Engineering and Technology, Dharawad and Mr. Bhaskar S.V., Anveshana Coordinator, Agastya Foundation, Bangalore were the Jury Member on 20th



Mr. Shrishail Badiger Receiving Book Prize for being Internal Assessment Topper of Academic Year 2018-19 Even Semester, under Best Practices on 7th September 2019



Mr. Santosh Yadav, CEO, InfySKY, Belagavi delivered a talk on Awareness Programme on Nirnal Filter on 7th September 2019



One Day Workshop on QA& QC Non-Destructive Testing (QA/QC-NDT) organized for students. Rajeev Thampi, Mr. K. R. Santosh Kumar, Business Support Manager, Mr. Vishal K, Business Support Engineer, CADD Centre Training Services Private Limited, Chennai and Mr. Shivanand D, Centre Head, CADD Centre, Belagavi were resource person on 26th September 2019



GauShala Visit for 3rd Semester Students to Haragapur, Taluk: Hukkeri, District: Belagavion 27th September 2019



Career Guidance on Competitive Exam Preparation conducted for final year students, Mr. Akhilesh Halagatti, Director and Mr. Santosh, KAS Successor, GURUDEV IAS & KAS Academy, Dharwad were resource person on 6th November 2019



Miss. Sumitra Pandurang Shinde Receiving Book Prize for being Internal Assessment Topper of Academic Year 2019-20 Odd Semester, under Best Practices on 4th March 2020



Dr. K. M. Akkoli received a cash prize of Rs. 5,000/- as research appreciation by Dr. S.C. Kamate, Principal, HSIT Nidasoshi for his research paper published in Taylor & Francis International Journal of Sustainable Engineering published on 25th June 2019



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STUDENT AIMSS SECRETARY	Mr. Vivekanad Kambi



Group Photo of AIMSS - Special Task Team

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.

NEWS LETTER 2019-20



Mechanical Engineering Department