



NEWS LETTER



2020 - 21

Mechanical Engineering Department

Volume: 09

September: 2K20-21



SJPN, Trust's

Hirasugar Institute of Technology, Nidasoshi

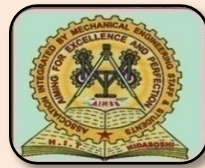
Approved by AICTE, New Delhi and Affiliated to VTU Belagavi- Accredited by NAAC at 'A' Grade & NBA

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 rendering its 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. Shivalingeswar Mahaswamiji of Siddha Sansthan Math Nidasoshi.

Our Student Mr. Vinaykumar Jinnappa Imader participated in International 7th Indo Nepal Youth Rural Game at Pokhara Nepal and secured first place in Kabaddi event. He also participated in 7th National Youth Rural Games-2020 organized by Youth Rural Game & Sports Federation Committee Goa and bagged silver Medal in Kabaddi event.

I congratulate HOD, Member of editorial board, the staff and the students for bringing out the department 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-2020-21”. I wish all the best to the readers.



Prof. M.M. Shivashimpi
Assistant Professor
HSIT, Nidasoshi

About the Department

The Department of Mechanical Engineering was established in the year 1996 with an intake of 60 students. 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 26th year of fruitful existence, the institution is planning for Research Centers in every department year after year. As an outcome of this initiative, 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 Graduation Day





Faculty Members

Sl. No.	Name	Designation	Exp	Qualification
1	Dr. S. C. Kamate	Principal	28	PhD
2	Dr. S. N. Topannavar	Assoc Prof	24	PhD
3	Dr. K. M. Akkoli	Asst Prof	22	PhD
4	Prof. D. N. Inamdar	Asst Prof	20	M Tech (PhD)
5	Prof. M. S. Futane	Asst Prof	17	M Tech
6	Prof. S. A. Goudadi	Asst Prof	15	M Tech (PhD)
7	Prof. M. M. Shivashimpi	Asst Prof	14	M Tech (PhD)
8	Prof. M. A. Hipparagi	Asst Prof	13	M Tech (PhD)
9	Prof. Mahantesh Tanodi	Asst Prof	09	M Tech (PhD)
10	Prof. B. M. Dodamani	Asst Prof	09	M Tech

Technical Supporting Staff

Sl. No.	Name	Designation	Exp	Qualification
1	Shri. V. G. Badiger	Foreman	25	DME
2	Shri. A. B. Sankeshwari	Foreman	24	DME

Ministerial Staff

Sl. No.	Name	Designation	Exp	Qualification
1	Shri. R. G. Shivannavar	Helper	25	B A
2	Shri. G. M. Hirekodi	Helper	25	S S L C
3	Shri G. D. Basappare	Peon	20	S S L C
4	Shri. P. S. Pimpalgavi	Peon	25	S S L C
5	Shri. M. S. Kadalagi	Helper	25	P U C



STUDENTS ACHIEVEMENTS

1. Paper Presentation

Sl. No.	Title of the paper	Author(s)	Name of the event	Venue	Date	National/State/College/Inter college level
1	Paper Presentation	Mr. Naveen Umarane	KOUSHALYA 2021	Bharat Ratna Indira Gandhi College of Engineering Solapur	18 th to 19 th June 2021	National

2. Technical Event

Sl. No.	Title	Author(s)	Name of the event	Venue	Date	Prize	National/State/College/Inter college level
1	Technical Quiz	Mr. Mrutyunjaya Shiragannavar	Advitiya 21	K.L.E. Institute of Technology Hubballi	5 th to 6 th July 2021	Second	National
2	Full Stack Web Development & Artificial Intelligence	Mr. Sunil B.Kuligod	Workshop	Roman Technologies, Bangalore	7 th January 2021	--	National
3	Digital India Quiz	Mr. Mahantesh Baad	Quiz	Ministry Of Electronics And Information Technology Government of India	--	--	National
4	Pradhan Mantri Fasal Bima Yojana Quiz	Mr. Mahantesh Baad	Quiz	Ministry Of Agriculture And Farmers Welfare Government of India	--	--	National
5	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Hrishikesh R. Yadav	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
6	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Rahul Chougula	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
7	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Nandish L. Vibhuti	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
8	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Nikhil S. Nandigon	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
9	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Akash B. Upadhye	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department



10	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Nikhil U Shettennavar	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
11	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Vivekanand Kambi	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
12	Fundamentals of Arduino, IOT & Robotics Programming	Miss. Sumitra P. Shinde	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
13	Fundamentals of Arduino, IOT & Robotics Programming	Miss. Vijaylaxmi B. Bugadi	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
14	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Maibub I. Mulla	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
15	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Hasansab Yaragatti	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
16	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Babasabha Bagashahi	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
17	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Hanamanth Pujeri	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
18	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Vaibhav Kanagali	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
19	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Ningaraj Budi	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
20	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Shreyash Belavi	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
21	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Sanket Shetake	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
22	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Mahantesh Hiremath	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
23	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Punitkumar P.N.	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department



24	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Praveen Chougule	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
25	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Ajit A. Poojari	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
26	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Shravan S. Kurani	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
27	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Amar Sangote	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
28	Fundamentals of Arduino, IOT & Robotics Programming	Miss. Shweta M. Kumbar	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
29	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Sunil B. Kuligod	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department
30	Fundamentals of Arduino, IOT & Robotics Programming	Mr. Mahantesh Kamate	Training Programme	HIT Nidasoshi	25 th to 30 th March 2021	--	Department

3. Project Exhibition

Sl. No.	Title	Author(s)	Name of the event	Venue	Date	Prize	National/ State/College / Inter college level
1	Mini Project Exhibition and Competition	Mr. Amit P Thorat	Project Exhibition	HIT Nidasoshi	17 th August 2021	First	Department
2	Mini Project Exhibition and Competition	Mr. Shridhar Mudigoud	Project Exhibition	HIT Nidasoshi	17 th August 2021	First	Department
3	Mini Project Exhibition and Competition	Mr. Ajinkaykumar Bhosale	Project Exhibition	HIT Nidasoshi	17 th August 2021	First	Department
4	Mini Project Exhibition and Competition	Miss. Shweta Kumbar	Project Exhibition	HIT Nidasoshi	17 th August 2021	First	Department
5	Mini Project Exhibition and Competition	Mr. Vikas Khot	Project Exhibition	HIT Nidasoshi	17 th August 2021	First	Department
6	Mini Project Exhibition and Competition	Mr. Sushant Magadam	Project Exhibition	HIT Nidasoshi	17 th August 2021	First	Department
7	Mini Project Exhibition and Competition	Mr. Satyappa Karoshi	Project Exhibition	HIT Nidasoshi	17 th August 2021	First	Department
8	Mini Project Exhibition and Competition	Mr. Praveen Chougule	Project Exhibition	HIT Nidasoshi	17 th August 2021	First	Department



9	Mini Project Exhibition and Competition	Mr. Sacheen Patil	Project Exhibition	HIT Nidasoshi	17 th August 2021	Second	Department
10	Mini Project Exhibition and Competition	Mr. Vinayak A Dodamani	Project Exhibition	HIT Nidasoshi	17 th August 2021	Second	Department
11	Mini Project Exhibition and Competition	Mr. Ravi Magadam	Project Exhibition	HIT Nidasoshi	17 th August 2021	Second	Department
12	Mini Project Exhibition and Competition	Mr. Naveenkumar G	Project Exhibition	HIT Nidasoshi	17 th August 2021	Second	Department
13	Mini Project Exhibition and Competition	Mr. Mahantesh Hiremath	Project Exhibition	HIT Nidasoshi	17 th August 2021	Third	Department
14	Mini Project Exhibition and Competition	Mr. Prithviraj Heralage	Project Exhibition	HIT Nidasoshi	17 th August 2021	Third	Department
15	Mini Project Exhibition and Competition	Mr. Devendra Chougule	Project Exhibition	HIT Nidasoshi	17 th August 2021	Third	Department
16	Mini Project Exhibition and Competition	Mr. Amar Sangote	Project Exhibition	HIT Nidasoshi	17 th August 2021	Third	Department



4. KSCST Sponsored Projects

Sl. No.	Title	Name of Guide	Name of The Team Members(s)	Amount in Rs.	Sponsored By
1	Solar bubble dryer (44S_BE_0553)	Prof. D.N. Inamdar	Mr. Sachin Chunamuri Mr. Vaibhav Kanagali Mr. Deepak Mudasi Mr. Sanket Shetake	7,000.00	KSCST, Bangalore
2	Investigation of mechanical properties of natural and hybrid composite material using GP resin (44S_BE_0557)	Prof. M M Shivashimpi	Mr. Suresh Naganuri Mr. Prateek Shetti Mr. Shushil Varute Mr. Akshay Aralimatti	6,000.00	KSCST, Bangalore
3	Fabrication of wireless industrial waste sorting system based on magnetic & non-magnetic, size & colors (44S_BE_0561)	Prof. Mahantesh Tanodi	Mr. Mrutyunjaya M Shiragannavar Mr. Ningaraj Budi Mr. Omkar A Balekundri Mr. Ajit Poojari	6,000.00	KSCST, Bangalore
4	Effect of adding nano graphene oxide with n-butenol-tallow oil methyl ester on diesel engine performance and emissions (44S_BE_0563)	Prof. B M Dodamani	Mr. Hrishikesh Yadav Mr. Ningappa Naik	4,500.00	KSCST, Bangalore
5	Multipurpose agro machine (44S_BE_4272)	Prof. Mahantesh Tanodi	Mr. Ravindra Janti Mr. Roshan Antannavar Mr. Sarjerao Gawade Mr. Vishal Patil	7,000.00	KSCST, Bangalore
6	Advanced car jack controlled by wireless system (44S_BE_4273)	Prof. S A Goudadi	Mr. Shivananda G. H Mr. Abhishek M Jamakhandi Mr. Bahubali M Muggannavar Mr. Mallikarjun P Hukkeri	6,000.00	KSCST, Bangalore






7. Class Toppers

SEM: III

		
Mr. Kiran S. Dhange	Mr. Shashidhar Gurav	Mr. Akash Bagewadi
1st Rank	2nd Rank	3rd Rank
84%	82%	77 %

SEM: V




		
Mr. BabasabhBagashahi	Mr. Siddharth V.Patil	Miss. Sumitra P Shinde
1st Rank	2nd Rank	3rd Rank
93.12%	92.87 %	92.37 %

SEM: VII

		
Miss. Anjana Hunachyali	Mr. Sachin Chunamuri	Mr. Dhiraj Godhali
1st Rank	2nd Rank	3rd Rank
88.12 %	88%	87.62 %



SEM: IV

		
Mr. Kiran S. Dhange	Mr. Shashidhar Gurav	Mr. Akash Bagewadi
1st Rank	2nd Rank	3rd Rank
88%	86%	84 %

SEM: VI

		
Mr. BabasabhBagashahi	Miss. Sumitra P Shinde	Mr. Siddharth V.Patil
1st Rank	2nd Rank	3rd Rank
87%	86 %	85 %

SEM: VIII

		
Miss. Anjana Hunachyali	Mr. Sanket Sanjay Shetake	Mr. Sachin Chunamuri
1st Rank	2nd Rank	3rd Rank
94.6 %	93.6%	93.4. %



DEPARTMENT ACTIVITIES

SL. No.	Topic of the seminar / Event	Date of Conduct	Resource person and address
1	Unnat Bharat Abhiyan	3 rd to 6 th September 2021	1. Dr. S. N. Topannavar, Professor and HOD, Mechanical Engineering Department , Hirasugar Institute of Technology, Nidasoshi 2. Dr. K.M.Akkoli, Associate Professor, Mechanical Engineering Department , Hirasugar Institute of Technology, Nidasoshi 3. Prof. S. A. Goudadi, Assistant Professor, Mechanical Engineering Department , Hirasugar Institute of Technology, Nidasoshi 4. Prof. Mahantesh Tanodi, Assistant Professor, Mechanical Engineering Department , Hirasugar Institute of Technology, Nidasoshi
2	Exhibition and Poster Presentation of Mini Project	17 th August 2021	1. Prof. Sunilkumar S. Kattimani, HOD, Mechanical Engineering Department SJPN Trust's Polytechnic , Nidasoshi 2. Prof. Sachin S. Patil, Assistant Professor Electronics and Communication Engineering Department, Hirasugar Institute of Technology, Nidasoshi
3	Project Exhibition	11 th August 2021	1. Mr. Sunil Huddar, Wing Commander, Indian Air force 2. Mr. Mukesh Choudhary, Senior Manager, Tata Hitachi Constructions and Equipments, Dharwad 3. Anil Mane, Quality Assurance Department, AEQUS Private Limited Hattaragi
4	Profile Building and career Guiding	11 th August 2021	Dr. S.N. Topannavar, Professor & Head Mechanical Engineering Department Hirasugar Institute of Technology, Nidasoshi
5	Career Opportunities in Indian Air force	11 th August 2021	Mr. Sunil Huddar, Wing Commander, Indian Airforce
6	Career Opportunities in Mechanical Engineering	1 st April 2021	Mr. Mallikarjun Kulakarni CEO, Tech-Fortune Technologies, Bangalore
7	One Week Training Programme on Arduino ,IOT & Robotics Programming	25 th to 31 st March 2021	Mr. Toushif Iqbal M.G. Trainer, Tech-Fortune Technologies, Bangalore
8	Gate-2021 Coaching	18 th December 2020 To 12 th January 2021	All Faculties of Department
9	3D Printing Technology	5 th December 2020	Mr. Deenanath Kulkarni, Product Design Engineer, Moog India Technology Center. Division: Aerospace – Commercial Actuation Design, Bangalore – 560100
10	Startups in Rural Developments	27 th November 2020	Shree Ekagamyananda Swamiji Ramakrishna Mission, Mangaladevi, Mangaluru-575001.



FACULTY ACHIEVEMENTS

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

Sl. No.	Faculty	Programme	Title	Relevancy	Date	Place
1	Dr. S. N. Topannavar	Three Day Workshop	Water Quantity and Quality Conservation	Energy management	28 th to 30 th July 2021	IIT, Kharagpur
2	Prof. S. A. Goudadi	One Week ISTE Approved STTP	Advances in Materials and Manufacturing Techniques	Material Technology	1 st to 7 th July 2021	Annasaheb Dange College of Engineering & Technology, Ashta
3	Dr. S. N. Topannavar	One Day Webinar	Rural Technologies For Atma Nirbhar Villages	Rural Development	17 th June 2021	IIT Delhi Alumni Association, Centre for Rural Development & Technology (CRDT), IIT Delhi, & Unnat Bharat Abhiyan
4	Dr. S. N. Topannavar	One Day Webinar	Catch the Rain	Rural Development Initiative	5 th June 2021	Unnat Bharat Abhiyan (UBA) and Vijnana Bharati (VIBHA)
5	Prof. B. M .Dodamani	One Week AICTE Sponsored STTP	Advanced Manufacturing Techniques for Medical and Precision Engineering-Phase III	Manufacturing Technology	1 st to 6 th March 2021	Association with IIC and IQAC, MVJ College of Engineering Bangalore
6	Prof. D. N. Inamdar	One Week ATAL Academy FDP	3D Printing and Design	Additive Manufacturing	1 st to 5 th February 2021	JSS Academy of Technical Education Bangalore
7	Prof. B. M. Dodamani	One Week STTP	Recent Advancements in Materials and Manufacturing	Material Technology	25 th to 30 th January 2021	GZSCCET MRSPTU, Bathinda
8	Prof. Mahantesh Tanodi	One Week STTP	Refresher Course in Strength of Material	Engineering Materials	4 th to 8 th January 2021	National Institute of Technical Teacher's Training and Research Kolkata
9	Prof. D. N. Inamdar	One Week AICTE Sponsored STTP	Automation Technologies	Industrial Automation	21 st to 29 th December 2020	Ajay Kumar Garg Engineering College, Ghaziabad, Uttar Pradesh



10	Dr. S. N. Topannavar	One Week AICTE Sponsored STTP	Battery Management and Control Techniques in Electric Vehicles	Hybrid Vehicle	14 th to 19 th December 2020	HIT, Nidasoshi
11	Prof. M. S. Futane	One Week AICTE Sponsored STTP	Battery Management and Control Techniques in Electric Vehicles	Hybrid Vehicle	14 th to 19 th December 2020	HIT, Nidasoshi
12	Prof. Mahantesh Tanodi	One Week AICTE Sponsored STTP	Battery Management and Control Techniques in Electric Vehicles	Hybrid Vehicle	14 th to 19 th December 2020	HIT, Nidasoshi
13	Prof. D. N. Inamdar	One Week AICTE Sponsored STTP	Battery Management and Control Techniques in Electric Vehicles	Hybrid Vehicle	7 th to 12 th December 2020	HIT, Nidasoshi
14	Prof. D. N. Inamdar	One Day Webinar	Plagiarism in Research	Research and Development	10 th November 2020	Anjuman Institute of Technology and Management, Bhatkal
15	Prof. M.M.Shivashimpi	One Week ATAL Academy FDP	Alternate Fuels	Bio Fuel	7 th to 11 th September 2020	Christian College of Engineering & Technology, Bhalai
16	Prof. M. S. Futane	One Week FDP	Green Energy for Sustainable Development	Energy management	10 th to 14 th August 2020	Jointly organized by Bheemanna Khandre Institute of Technology, Bhalki, Central University of Karnataka, Kalaburagi and Green Club, Kalaburagi
17	Prof. M. S. Futane	One Day Webinar	World Bio-Fuel Day 2020	Bio Fuel	10 th August 2020	Jointly organized by Bheemanna Khandre Institute of Technology, Bhalki, Central University of Karnataka, Kalaburagi and Green Club, Kalaburagi
18	Prof. M.M.Shivashimpi	One Day Webinar	Basics of Geometric Dimensioning and Tolerancing	GD&T	9 th August 2020	HIT, Nidasoshi
19	Prof. M.M.Shivashimpi	One Day Technical Quiz	Engineering Thermodynamics	Thermodynamics	7 th August 2020	HIT, Nidasoshi
20	Prof. D. N. Inamdar	One Day Webinar	Energy and Environment Problems Facing the Third World and their Probable	Energy Management	27 th July 2020	HIT, Nidasoshi



			Solutions for Sustainable Development and Poverty Alleviation			
21	Prof. M.M.Shivashimpi	One Day Technical Quiz	CAD/CAM/CIM	Machine Design Tools	22 nd July 2020	HIT, Nidasoshi
22	Prof. M.M.Shivashimpi	One Day Technical Quiz	Accreditation Process	Accreditation Process	20 th July 2020	HIT, Nidasoshi
23	Prof. M.M.Shivashimpi	One Day Technical Quiz	Awareness Programme on COVID-19	Social Awareness	13 th July 2020	HIT, Nidasoshi
24	Prof. D. N. Inamdar	One Day Technical Quiz	Machine Tools and Operations	Production Technology	13 th July 2020	HIT, Nidasoshi
25	Prof. D. N. Inamdar	One Day Technical Quiz	Kinematics of Machines	Kinematics of Machines	2 nd July 2020	HIT, Nidasoshi
26	Prof. B. M. Dodamani	One Day Webinar	Mechatronics System Design	Mechatronics	2 nd July 2020	KLS VEDIT Haliyal
27	Dr. S. N. Topannavar	One Day Technical Quiz	Heat Transfer	Heat Transfer	1 st to 5 th July 2020	B.L.D.E.A's V.P. Dr. P.G. Halakatti College of Engineering and Technology, Vijayapur

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. S. N. Topannavar	Green Energy	Taylor and Francis
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 Mechanical Engineering	Prince Publishers, A group of London press, Norway
		Journal of Emerging Technologies and Innovative Research- UGC approved journal	IJ Publication
		Journal of Emerging Technologies and Innovation Research(JETIR)	JETIR Explore publishers
5	Prof. M.M. Shivashimpi	International Journal of Biofuels	Taylor and Francis
		International Journal of Ambient Energy	Taylor and Francis



3. Publications in International/National Conferences

Sl. No.	Author's	Title of the Paper	Conference Name/ Publication Details/Citation	International/National/State/International college/College Level	Page no
1	Mr.G. B. Vaggar Dr. S.C. Kamate Prof. Rithesh Shetty	A Review on Thermal Properties of Hybrid Polymer Matrix Composites	Conference: ICFEST 2020 Journal: International Journal of IOP Conf. Series: Materials Science and Engineering Publisher: IOP science ISSN Number: 1757-899X Published on: 16 th February 2021 Volume: 1065(012030) DOI: 10.1088/1757899X/1065/1/012030 Impact Factor: 0.51	International	1-7

4. Publications in International/National Journals

Sl. No.	Author's	Title of the Paper	Journal/ Publication Details/Citation	International/National/State/International college/College Level	Page No.
1	Prof. Sadashiv Bellubbi Prof. M. A. Hipparagi Prof. Ravindra Naik Mr. Sathisha N	Optimization of process parameters in Electro Chemical Discharge Machining of silica glass through Analysis of Means	Journal: International Journal of IOP Conf. Series: Materials Science and Engineering Publisher: IOP science ISSN Number: 1757-899X Published on: 16 th February 2021 Volume: 1065 (012003) DOI: 10.1088/1757-899X/1065/1/012003 Impact Factor: 0.51	International	1-7
2	Dr. K.M. Akkoli Dr. N.R.Banapurmath Prof.M.M.Shivashimpi Dr. Manzoore Elahi M. Soudagar Dr. Irfan Anjum Badruddin Dr. Mashhour A. Alazwari Dr. V.S. Yaliwal Prof. M.A. Mujtaba Prof. Naveed Akram Prof. Marjan Goodarzi Prof. Mohammad Reza Safaei Prof. Harish Venu	Effect of injection parameters and producer gas derived from redgram stalk on the performance and emission characteristics of a diesel engine	Journal: International Journal of Alexandria Engineering Publisher: Elsevier ISSN Number: 1110-0168 Published on: 9 th February 2021 Volume: 60(3) DOI: https://doi.org/10.1016/j.aej.2021.01.047 Impact Factor: 3.732	International	3133 – 3142



3	Prof. Eknath N Aitavade Dr. S. C. Kamate	Influence of blend and oxide nanoparticle additive parameters on tribological attributes of Simarouba glauca biodiesel (SGME)	Journal: International Journal of Materials Today: Proceedings Publisher: Elsevier ISSN Number: 2214-7853 Published on: 23 rd January 2021 Volume: 44 DOI: https://doi.org/10.1016/j.matpr.2020.12.277 Impact Factor: 1.3	International	2147 - 2152
4	Prof. Eknath N Aitavade Dr. S. C. Kamate	Experimental Analysis of Tribological Properties of Simarouba Glauca Biodiesel With Nanoparticles	Journal: International Journal of Surface Engineering and Interdisciplinary Materials Science Publisher: IGI Global ISSN Number: 2166-7225 Published on: July-December 2020 Volume: Volume 8 • Issue 2 DOI: 10.4018/IJSEIMS.2020070104 Impact Factor: 0.136	International	52 - 65
5	Prof. Sujata Huddar Prof. Mahantesh Tanodi	Multi Functioning Agricultural Robot	Journal: Journal of Emerging Technologies and Innovative Research Publisher: Journal of Emerging Technologies and Innovative Research ISSN Number: 2349-5162 Published on: 31 st October 2020 Volume: 7 (10) Impact Factor: 7.95	International	1-3
6	Dr. K. M. Akkoli Dr. S. N. Topannavar Prof. S. A. Goudadi Prof. M.M. Shivashimpi	Biomass Characterization and Gasifier Design for Agricultural Residues	Journal: Iranian (Iranica) Journal of Energy & Environment Publisher: Babol Noshirvani University of Technology ISSN Number: 2079-2115 Published on: 20 th September 2020 Volume: 11(3) DOI: 10.5829/ijee.2020.11.03.04 Impact Factor: 0.897	International	108 - 203

5. Conference Attended by Faculty

Sl. No.	Author's	Title of the Paper	Conference Name/ Publication Details/Citation	International/ National/State/ Inter college/College Level
1	Dr. S.C. Kamate	Thermal Conductivity and Thermo Gravimetric Analysis of Glass Fiber Epoxy Resin Composites Modified with Silicon Carbide and Copper Nano Particles	Name of Conference : 6 th International conference on Advanced Production and Industrial Engineering- 2021 Conference Date : 18 th -19 th June 2021 Name of Conference Organizer: Delhi Technological University, Delhi	International



2	Prof. M. M. Shivashimpi	EGR As a NO _x Reduction Technique for Modified POME Fuelled Diesel Engine	Name of Conference : 3 rd International Conference on Advances In Mechanical Engineering And Nanotechnology (ICAMEN-2021) Conference Date : 18 th to 19 th March 2021 Name of Conference Organizer : Manipal University Jaipur, Rajasthan, R&C, NIT Uttarakhand India	International
3	Dr. S.C. Kamate	A review on Thermal properties of Hybrid Polymer Matrix Composites	Name of Conference : International Conference on Frontiers in Engineering Science and Technology Conference Date: 18 th and 19 th December 2020 Name of Conference Organizer: Yenepoya Institute of Technology, Moodbidri	International
4	Prof. M.A. Hipparagi	Tensile and Fatigue Behavior of Austempered AISI 9255 Steel	Name of Conference : National Conference on Emerging Trends, Simulation & Manufacturing – Key Components of Make in India Initiative Conference Date: 23 rd and 24 th November 2020 Name of Conference Organizer: M.S. Ramaih Institute of Technology, Bengaluru	National
5	Prof. Mahantesh Tanodi	Sugarcane Biofuel Technology for Agriculture	Name of Conference : International Conference on Recent Trends and Technologies in Soft Computing Conference Date: 28 th and 29 th September 2020 Name of Conference Organizer: St. Peter's Institute of Higher Education and Research , Avadi, Chennai	International
6	Prof. B. M. Dodamani	Atmanirbhar Bharat: Turn Crisis in to an Opportunity	Name of Conference : International e-Conference on Atmanirbhar Bharat Conference Date: 20 th to 21 st August 2020 Name of Conference Organizer: Department of Management Studies, VTU Belagavi in association with Scientists & Engineering Wing, R.E. & R.F. of Prajapita Brahma Kumaris, Ishwariya Vishwa Vidyalaya, Belagavi	International
7	Dr. S. N. Topannavar	Atmanirbhar Bharat: Turn Crisis in to an Opportunity	Name of Conference : International e-Conference on Atmanirbhar Bharat Conference Date: 20 th to 21 st August 2020 Name of Conference Organizer : Department of Management Studies, VTU Belagavi in association with Scientists & Engineering Wing, R.E. & R.F. of Prajapita Brahma Kumaris, Ishwariya Vishwa Vidyalaya, Belagavi	International

6. Faculty as a Resource person

Sl. No.	Faculty	Presentation/ Jury Member/ Chair Person	Date	Place
1	Prof. M.M.Shivashimpi	Participated as a chairing a session in 2 nd International Conference on Advanced Research in Mechanical Engineering (ICARME)	29 th to 30 th April 2021	MVJ College of Engineering, Bengaluru



2	Prof. M. S. Futane	Participated as resource and delivered talk on Career Opportunities in Mechanical Engineering	16 th March 2021	Dr. A. D. Shinde College of Engineering, Bhadagon Gadhinglaj
3	Prof. M. S. Futane	Participated as a jury member in the Poster Presentation event in association with Karnataka Renewable Energy Development Limited	9 th January 2021	Hirasugar Institute of Technology, Nidasoshi
4	Prof. B. M. Dodamani	Resource person in the FDP titled on Latest Trends in Automotive Industry and delivered presentation on the topic titled on Emission Norms and Advanced Diesel Combustion Strategies	12 th August 2020	Motichand Lengade Bhartesh Polytechnic B. Kudchi, Belagavi
5	Dr. S. N. Topannavar	Participated as a resource person in the FDP titled on Latest trends in Automotive Industry and Delivered the Presentation on the topic titled on Need of Electrical and Hybrid Vehicles, Emerging Trends in Electrical and Hybrid Vehicles	11 th August 2020	Motichand Lengade Bhartesh Polytechnic B. Kudchi, Belagavi
6	Prof. D. N. Inamdar	Participated as a resource person and delivered talk on NBA Awareness and SAR Preparation	11 th June To 13 th June 2020	S.J.P.N. Trust's Polytechnic Nidasoshi

7. Faculty members who have achieved 100% Result

Name of Faculty	Subject	Subject Code	Semester
Prof. S .L. Patil	Complex Analysis, Probability & Statistical Methods	18MAT41	4 th
Prof. M. M. Shivashimpi	Applied Thermodynamics	18ME42	
Dr. S.N. Topannavar	Fluid Mechanics	18ME43	
Prof. MahanteshTanodi	Kinematics of Machines	18ME44	
Prof. M. A. Hipparagi	Metal Cutting & Forming	18ME45A	
Prof. Mahantesh Tanodi	Computer Aided Machine Drawing	18ME46A	
Prof. M. A. Hipparagi	Non-Traditional Machining	18ME641	6 th
Prof. S. A. Goudadi	Finite Element Methods	18ME61	
Prof. S. S. Birade	PLC and Scada	18EE652	
Prof. D. N. Inamdar	Design of Machine Elements II	18ME62	
Prof. M. M. Shivasimpi	Heat Transfer	18ME63	
Prof. M. S .Futane	Additive Manufacturing	15/17ME82	8 th
Prof. B. M. Dodamani	Product Life Cycle Management	15/17ME835	



PLACEMENTS



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Miss Priyanka Koppad
CAD Vision R&D Bengaluru



Mr. Shrishail Badiger
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Mr. Vijakumar B
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Mr. Vaibhav M S
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Mr. Naveen Umarane
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Chegg India Pvt. Ltd, Bengaluru



Mr. Mahantesh Kamate
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2. Technologies Global Pvt. Ltd, Bengaluru



Mr. Sanket Shetake
Qspiders, Bengaluru



Mr. Vaibhv Kanagali
Qspiders, Bengaluru



Mr. Ningaraj Budi
Pentagon Space, Bengaluru



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19	Elevation	



20	Infosys	
21	Q spider	
22	Mphasis, Bengaluru	
23	Mindtree	
24	SLV Technologies	
25	Tata Consultancy Service	
26	Cognizant	
27	Tata Motors	

Industry Collaborations for Better Understanding of the Concepts

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





PROUD ENTREPRENEUR



Mr. Devdas Narvekar.

**Founder & CEO, Enthalpy Research & Innovation
Center, Sankeshwar**

Brief About Company:

Enthalpy Research & Innovation Center Llp is a Limited Liability Partnership firm incorporated on 16 July 2020. It is registered at Registrar of Companies, Bangalore. Its total obligation of contribution is Rs. 100,000. Designated Partners of Enthalpy Research & Innovation Center Llp are Rakshana Devdas Narvekar and Vishwas Sambhaji Narvekar.

Enthalpy Research & Innovation Center Llp's last financial year end date for which Statement of Accounts and Solvency were filed is N/A and as per records from Ministry of Corporate Affairs (MCA), date of last financial year end date for which Annual Return were filed is N/A. Enthalpy Research & Innovation Center Llp's LLP Identification Number is (LLPIN) AAS-9142. Its Email address is ddass25@gmail.com and its registered address is # 913/A NARVEKAR MALA, SANKESHWAR HUKKERI BELGUM



PROUD ALUMNI



S.J.P.N. Trust's
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Mechanical Engineering Department

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Some of Our Proud Alumni



Mr. Sachin Kulkarni
QA Lead, GT Nexus Pvt Ltd,
Bengaluru. - 2000 Batch



Mr. Vinod Dhange
Deputy Superintendent of
Excise Bengaluru- 2000 Batch



Mr. Kapil Hukkeri
Deputy General Manager,
Reliance Power, Mumbai,
2000 Batch



Mr. Praveen Gurguddi
Manager, RBI, Bengaluru.
2000 Batch



Mr. Sunil Hazare
Deputy Chief Engineer Merchant
Navy, Goa 2001 Batch



Mr. Rajkumar Ramajogi
Scientist/Engineer
"SE", LEOS/ISRO
Bengaluru 2001 Batch



Mr. Sunil Huddar
QA Lead, GT Nexus Pvt Ltd,
AirForce - 2001 Batch



Mr. Gangadhar Huddar
Scientist F BARC Trombay
2002 Batch



Mr. Hemant Dhang
Engg. Manager Corporation
India Pvt, Ltd Pune - 2002 Batch



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Project Manager,
Johnson & Johnson, USA
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Manager, Novo Nordisk,
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Mr. Arvind Todkar
Manager QA Flash Electronics
India Pvt, Ltd. Pune
2005 Batch



Mr. Deepak Chougule
Division Head-Sales,
KEIHIN Fie Pvt Ltd, Pune
2005 Batch



Mr. Mahantesh Vakkund
Entrepreneur & Secretary
BJP Belagavi
2006 Batch



Mr. Praveen Diwan
Project Manager SAP
Practice TCS, Ltd, Pune
2006 Batch



Mr. Manjunath Shettar
Manager, MILACRON India Ltd,
Bengaluru - 2006 Batch



Mr. Pranay Prabhugaokar
Associate VP & Head IPR
SEIMENS Technology Pvt, Ltd,
Bengaluru - 2006 Batch



Mr. Shuklambar Prabhu
Managing Partner, Sanoor Cashews
& Adarsh Ind. Chemicals Karkala
2007 Batch



Mr. Vijaykumar Badkar
State Tax Inspector
Govt. Of Maharashtra
2009 Batch



Mr. Nilesh Mudalagikar
Team Lead Denso Automotive
Germany - 2009 Batch



Mr. Devdas Narvekar
Founder & CEO Enthalphy
Research & Innovation Center
Sanakeshwar - 2009 Batch



Mr. Sugreev Tangade
Founder & CEO SMAT
Enterprises Hubballi
2013 Batch



Mr. Prakash Banti
PSI Mangaluru City
2014 Batch



Mr. Akash Pattar
PSI Chintamani, Chikkballapur
Dist 2016 Batch



Mr. Bharatesh Magdum
PSI Bengaluru City
2017 Batch



Mr. Siddharoodh Aladakatti
PSI (Civil) Dharwad Dist.
2018 Batch



PHOTO GALLERY



Dr. S. N. Topannavar, Professor and HOD, Mechanical Engineering Department, HIT Nidasoshi is addressing the students on occasion of inauguration of one week training programme on Fundamentals of Arduino, IOT & Robotics Programming organized by Mechanical Engineering Department, HIT Nidasoshi association with Tech Fortune Bangalore during 25th to 30th March 2021



The group Photo of one week training programme on Fundamentals of Arduino, IOT & Robotics Programming organized by Mechanical Engineering Department, HIT Nidasoshi association with Tech Fortune Bangalore during 25th to 30th March 2021



Shot on OnePlus
By Mallari Kulkarni

Mr. Mallikarjun Kulakarni CEO, Tech-Fortune Technologies, Bangalore is delivering the talk on Career Opportunities in Mechanical Engineering held on 1st April 2021



The staff and students are participated during the talk on Career Opportunities in Mechanical Engineering held on 1st April 2021 in NBA seminar hall



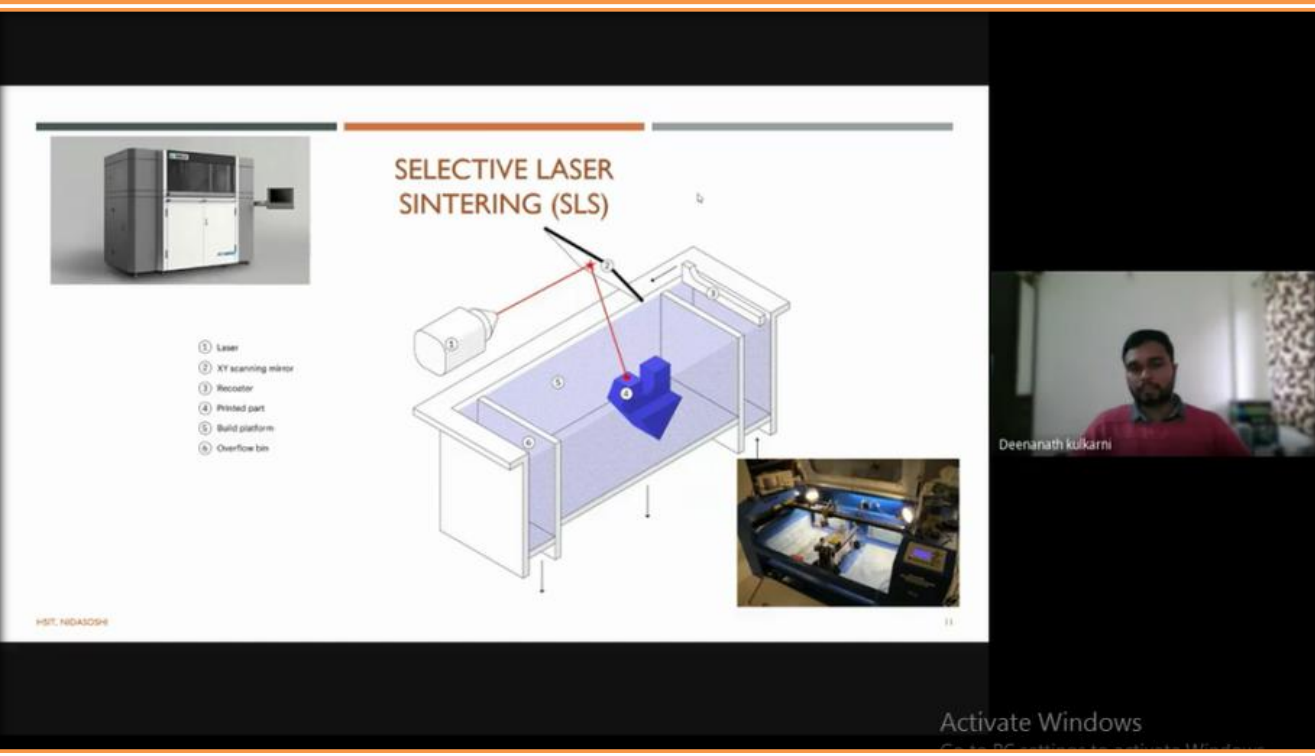
Shree Ekagamyanda Swamiji Ramakrishna Mission, Mangaladevi, Mangaluru is delivering the talk on Startups in Rural Developments held on 27th November 2020



The staff has participated during the talk on Startups in Rural Developments held on 27th November 2020 in Mechanical Seminar Hall



Welcome speech by Prof. D. N. Inamdar, Assistance Professor, Mechanical Engineering Department, HIT Nidasoshi on the occasion of online technical seminar on 3D Printing Technology held on 5th December 2020



Our proud Alumnus Mr. Deenanath Kulkarni, Product Design Engineer, Moog India Technology Center Bangalore is delivering the technical seminar on 3D Printing Technology through online mode held on 5th December 2020



Our proud Alumnus Mr. Sunil Huddar, Wing Commander, Indian Air force is delivering the talk on Career Opportunities in Indian Air force held on 11th August 2021



The staff and students are participated during talk on Career Opportunities in Indian Air force held on 11th August 2021 in Mechanical Seminar Hall



Our students are actively involved in the registration process of Best out of Waste activity for PUC Science College students on occasion of Talent Hunt 2021 held on 10th April 2021



Best out of Waste concept based project is presenting by PUC Science College students on occasion of Talent Hunt 2021 held on 10th April 2021



Dr. S .C. Kamate, Principal, HIT Nidasoshi and Mr. Anil Mane, Quality Assurance Department, AEQUS Private Limited Hattaragi are presenting certificates to winners of Talent Hunt 2021 held on 10th April 2021



The group photo of staff, STT coordinators and PUC Science student participants of Talent Hunt 2021 held on 10th April 2021



Our faculty and technical staff members are actively interacting with Morarji Desai Residential School, Nidasoshi Students in the Mechanical Engineering Laboratories during awareness program on Engineering and Technology held on 20th March 2021



Our proud Alumnus Mr. Sunil Huddar, Wing Commander, Indian Air force is evaluating students projects during Project Exhibition held on 11th August 2021



Mr. Mukesh Choudhary, Senior Manager, Tata Hitachi Constructions and Equipments, Dharwad and Our proud Alumnus Mr. Anil Mane, Quality Assurance Department, AEQUS Private Limited Hattaragi are evaluating student projects during project Exhibition held on 11th August 2021



Prof. Sunilkumar S. Kattimani, HOD, Mechanical Engineering Department, SJPN Trust's Polytechnic, Nidasoshi and Prof. Sachin S. Patil, Assistant Professor, Electronics and Communication Engineering Department, Hirasugar Institute of Technology, Nidasoshi are evaluating the projects during Mini Project Exhibition held on 17th August 2021



Group photo of prize winners, jury members and staff members during Mini Project Exhibition held on 17th August 2021



Dr. S. N. Topannavar, Professor and HOD, Mechanical Engineering Department, HIT Nidasoshi is Delivering Seminar on Profile Building and Career Guiding held on 11th August 2021



The staff and students participants are present during Seminar on Profile Building and Career Guiding held on 11th August 2021



Dr. S. C. Kamate, Principal HIT Nidasoshi is addressing the students on occasion of celebration of Graduation Day held on 13th August 2021 in Mechanical Seminar Hall



Our Mechanical Engineering Students are taking Graduation Oath on occasion of celebration of Graduation Day, Dr. S. N. Topannavar Professor and HOD, Mechanical Engineering Department HIT Nidasoshi preceded Graduation Oath to students held on 13th August 2021



Mr. Sachin Chunamuri, General Secretary, HIT Nidasoshi is receiving the Graduation Certificate from Dr. S. C. Kamate, Principal, HIT Nidasoshi on occasion of celebration of Graduation Day held on 13th August 2021 in Mechanical Seminar Hall



Photo session with final year outgoing students



Village and Household Survey of NIDASOSHI

Staff and student are actively participating in Unnat Bharat Abhiyan house hold village survey at Nidasoshi during 3rd to 6th September 2021



Village and Household Survey of NIDASOSHI

Group photo of Unnat Bharat Abhiyan house hold village survey team in front of Gram Panchayat at Nidasoshi during 3rd to 6th September 2021



Village and Household Survey of HATTARWAT

Group photo of Unnat Bharat Abhiyan house hold village survey team in front of Gram Panchayat at Hattarwat during 3rd to 6th September 2021



Village and Household Survey of AMMANAGI

Group photo of Unnat Bharat Abhiyan house hold village survey team in front of Gram Panchayat at Ammanagi during 3rd to 6th September 2021



Active participation of Management, Principal and staff members on eve of the World Environment Day held on 5th June 2020 in the HIT Campus



Staff and students participation in awareness rally on energy Conservation to the public of Nidasoshi Village (Adapted) in this rally we displayed display cards showing energy conservation messages and shouted slogans on energy conservation held on 23rd December 2020



Staff and students are actively participated in the celebration of 72nd Republic Day held on 26th January 2021



Staff and students are participated program on World Cancer Day for Cancer Awareness to all the staff and students. Chief Guest of the Function **Dr. Smruti M. Haval**, Rukmini Multispecialty Hospital, Sankeshwar and Special Invitee **Mr. Amrnath B. Khot**, NCD Unit, Counsellor, Community Health Center, Ammanagi has briefed the different types of Cancer Diseases hand how prevent those held on 4th February 2021



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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 2020-21



Mechanical Engineering Department