



# NEWS LETTER



**2022-23**

## Mechanical Engineering Department

Volume: 11

September: 2K22-23



SJPN, Trust's

**Hirasugar Institute of Technology, Nidasoshi**

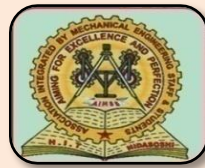
Approved by AICTE, New Delhi and Permanently Affiliated to VTU Belagavi- Accredited by NAAC at 'A' Grade

### ***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 committed for its service to society in Engineering Education in last two and half decades under the guidance and blessings of his holiness Shri. Shivalingeswar Mahaswamiji of Siddha Sansthan Math Nidasoshi.

I am happy to share the extraordinary achievements of our students namely, Mr. Sujeet A. Huddar of VIII Sem ME Department has participated in VTU state level inter collegiate 70KG Best Physique competition held at Global Academy of Technology Bangalore on 28<sup>th</sup> October 2022 and has won the Second place with Silver Medal. Mr. Chetan Mulimani of III Sem EEE Branch had participated in All India Inter University Wrestling Tournament held at Shivaji University Kolhapur on 12<sup>th</sup> March 2023 and He is University Blue in wrestling 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 recognize the students’ talents and capabilities through the activities such as “Techno-Vision”, “HIT-QUEST”, “Hobby Project Exhibition”, “HSIT 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 conducted through well-established ecosystem of laboratories such as “Alternative Fuel Lab”, Aerodynamic Lab”, Project cum Assembly Lab”, “Coding & Simulation Lab” with the help of funds from agencies such as VGST, ALTEM, etc.

The achievement of all students who have actively pursuing the degree is heightened in this Newsletter. 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-2022-23”. I wish all the best to the readers.



**Dr. M. M. Shivashimpi**  
Associate 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 28<sup>th</sup> 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.



## Graduation Day



## Celebration of Kannada Habba





### Faculty Members

Sl. No.	Name	Designation	Exp	Qualification
1	Dr. S. C. Kamate	Principal	30	PhD
2	Dr. S. N.Topannavar	HOD	26	PhD
3	Dr. K. M. Akkoli	Assoc Prof	24	PhD
4	Dr.M. M. Shivashimpi	Assoc Prof	16	PhD
5	Prof. D. N. Inamdar	Asst Prof	22	M.Tech (Ph.D)
6	Prof. M. S. Futane	Asst Prof	19	M.Tech
7	Prof. S. A. Goudadi	Asst Prof	17	M.Tech (Ph.D)
8	Prof. M. A. Hipparagi	Asst Prof	15	M. Tech (Ph.D)
9	Prof. Girish .M. Zulapi	Asst Prof	15	M.Tech

### Technical Supporting Staff

Sl. No.	Name	Designation	Exp	Qualification
1	Shri. V .G. Badiger	Foreman	27	DME
2	Shri. A. B. Sankeshwari	Foreman	26	DME
3	Shri. C.B. Patil	Mechanic	21	ITI
4	Shri. M.J. Patil	Welder	08	ITI
5	Shri. D.R. Badiger	Mechanic	27	S S L C

### Ministerial Staff

	Name	Designation	Exp	Qualification
1	Shri. R. G. Shivannavar	Helper	27	B A
2	Shri. A. K. Huddar	Helper	18	S S L C
3	Shri.G. D. Basappare	Peon	18	S S L C



## STUDENTS ACHIEVEMENTS

### 1. Technical Paper Presentation

Sl. No.	Title	Author(s)	Name of the event	Venue	Date	Prize	National/State/College/Inter college level
1	Influence of Injection Pressure and Al <sub>2</sub> O <sub>2</sub> Nano Particle on Biodiesel Fueled Engine	Miss. Archana R Gulli Miss. Ayesha Sayyad	HSIT Quest 2023	HIT Nidasoshi	23 <sup>rd</sup> May 2023	Second	National
2	Effect of Biodiesel on CRDI Engine	Mr. Akshay Magadam Mr. Kiran S. Dhange	HSIT Quest 2023	HIT Nidasoshi	23 <sup>rd</sup> May 2023	Third	National
3	Automatic Irrigation System Using Arduino	Mr. Vinayak Badiger Mr. Abhishek Patil	HSIT Quest 2023	HIT Nidasoshi	23 <sup>rd</sup> May 2023	Third	National

### 2. Technical Event

Sl. No.	Title	Author(s)	Name of the event	Venue	Date	Prize	National/State/College/Inter college level
1	3-D Modeling	Mr. Amit P Thorat	Praxis-2022	KLECET, Chikodi	29 <sup>th</sup> & 26 <sup>th</sup> June 2022	Third	Inter college
2	Best Physique (70 Kg)	Mr. Sujeet A. Huddar	VTU Single Zone Tournament 2022-23	Global Academy of Technology, Bengaluru.	28 <sup>th</sup> & 29 <sup>th</sup> October 2022	Second	National
3	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Miss. Aayesha M Sayyad	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
4	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Rahul Mudalagi	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department



5	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Rakesh Gudasi	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
6	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Sujeet Huddar	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
7	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Vinod Sorannavar	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
8	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Abhishek Patil	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
9	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Akash Bagewadi	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
10	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Miss. Archana Ramappa Gulli	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
11	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Dhananjayakumar Magadam	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department





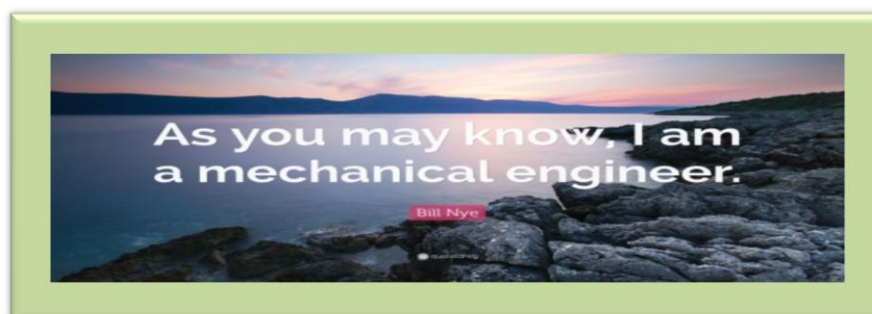
12	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Kiran S Dhange	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
13	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Mahadev Patrot	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
14	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Mahadev Rama Gulli	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
15	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Prathamesh Nilaji	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
16	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Ramesh S Adin	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
17	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Shashidhar Gurav	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
18	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Suraj G. Maradi	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department



19	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Aditya Suresh Patil	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
20	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Aksy Magdum	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
21	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Rajkumar Khot	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
22	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Ramesh Raju Manjaragi	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
23	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Sandeep Sooji	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
24	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Satigouda B Patil	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
25	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Sourabha S Shinde	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department



26	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Vinayak Badiger	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
27	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Virupaxayya Mathad	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
28	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Pavankumar Shirahatti	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
29	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Mr. Shivanand Dodagoudar	03 Day's STTP	HIT Nidasoshi	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	--	Department
30	3-D Modeling	Mr. Akash MADihalli Mr. Manjunath Mugali	HSIT Quest 2023	HIT Nidasoshi	23 <sup>rd</sup> May 2023	First	National
31	3-D Modeling	Mr. Akshay Gadave Mr. Sachin Mali	HSIT Quest 2023	HIT Nidasoshi	23 <sup>rd</sup> May 2023	Second	National
32	3-D Modeling	Mr. Sourabha Shinde Mr. Raju Yeduri	HSIT Quest 2023	HIT Nidasoshi	23 <sup>rd</sup> May 2023	Third	National
33	3-D Modeling	Mr. Akash Madihalli	HSIT Quest 2023	HIT Nidasoshi	23 <sup>rd</sup> May 2023	--	National
34	3-D Modeling	Mr. Vivek Nandagavi	HSIT Quest 2023	HIT Nidasoshi	23 <sup>rd</sup> May 2023	--	National
35	3-D Modeling	Mr. Rohit Nesari	HSIT Quest 2023	HIT Nidasoshi	23 <sup>rd</sup> May 2023	--	National
36	3-D Modeling	Mr. Rakshit Kagale	HSIT Quest 2023	HIT Nidasoshi	23 <sup>rd</sup> May 2023	--	National
37	3-D Modeling	Mr. Aditya Khot	HSIT Quest 2023	HIT Nidasoshi	23 <sup>rd</sup> May 2023	--	National





### 3. Project Exhibition

Sl. No.	Title	Author(s)	Name of the event	Venue	Date	Prize	National/State/College / Inter college level
1	Wireless Jack System	Mr. Vinayak Badiger Mr. Abhishek Patil Mr. Nitin Kanade Mr. Sandeep Kankanwadi	Anveshana 2023	Hubli Dharwad	19 <sup>th</sup> To 21 <sup>st</sup> February 2023	Consolation	State
2	Compressed Air Generator Using Vehicle Suspension	Mr. Akash Madihalli Mr. Shivaprabhu Patrot Mr. Omkar Patil	Mini Project Exhibition and Competition	HIT Nidasoshi	23 <sup>rd</sup> June 2023	First	Department
3	Manual Floor Cleaning Machine	Mr. Athrav Gondhali Mr. Basavaraj Kambar Mr. Malikjan Mujavar	Mini Project Exhibition and Competition	HIT Nidasoshi	23 <sup>rd</sup> June 2023	Second	Department
4	Mini Conveyor Using Geneva Mechanism	Mr. Abdulrahim B Kazi Mr. Akash A Badiger Mr. Rahul M Nadeshwar	Mini Project Exhibition and Competition	HIT Nidasoshi	23 <sup>rd</sup> June 2023	Third	Department

### 4. KSCST Sponsored Projects




Sl. No.	Title	Name of Guide	Name of The Team Members(s)	Amount in Rs.	Sponsored By
1	Experimental investigation of shot Peening process on Aluminum alloy (46S_BE_2051)	Prof. D. N. INamdar Prof. G. M. Zulapi	Mr. Satigouda Patil Mr. Prathamesh Nilaji Mr. Suraj Maradi Mr. Shivanand Dodagoudar	6,000.00	KSCST, Bangalore
2	Fiber extraction from banana stem (46S_BE_2070)	Prof. M. S .Futane	Mr. Dhananjayakumar Magadum Mr. Pavankumar Shirahatti Mr. Mahadev Patrot Mr. Ramesh Adin	6,000.00	KSCST, Bangalore
3	Eco friendly advanced community solar Dryer (46S_BE_2853)	Dr. S. N. Topannavar	Mr. Sourabha Shinde Mr. Aditya Patil Mr. Ramesh Manjarargi Mr. Virupaxayya Mathad	6,000.00	KSCST, Bangalore








### 6. Class Toppers




#### SEM: III

		
Mr. Mallikarjun Shettennavar	Mr. Basavaraj Balekundri	Mr. Someshwar Madyali
1 <sup>st</sup> Rank	2 <sup>nd</sup> Rank	3 <sup>rd</sup> Rank
84%	81 %	77 %

#### SEM: V




		
Mr. Promod B. Ammanagi	Mr. Yogesh R Dhanwade	Mr. Shivaprabhu Patrot
1 <sup>st</sup> Rank	2 <sup>nd</sup> Rank	3 <sup>rd</sup> Rank
80.11 %	79.89 %	74.33 %

#### SEM: VII




		
Miss. Archana R Gulli	Mr. Shashidhar Gurav	Mr. Kiran S. Dhange
1 <sup>st</sup> Rank	2 <sup>nd</sup> Rank	3 <sup>rd</sup> Rank
84.50 %	84.25 %	82 %






### SEM: IV

		
<b>Mr. Mallikarjun Shettenavar</b>	<b>Mr. Akshay Gadave</b>	<b>Mr. Basavaraj Balekundri</b>
<b>1<sup>st</sup> Rank</b>	<b>2<sup>nd</sup> Rank</b>	<b>3<sup>rd</sup> Rank</b>
<b>88 %</b>	<b>85 %</b>	<b>84.9 %</b>

### SEM: VI

		
<b>Mr. Yogesh R Dhanwade</b>	<b>Mr. Promod B. Ammanagi</b>	<b>Mr. Nitin R. Bani</b>
<b>1<sup>st</sup> Rank</b>	<b>2<sup>nd</sup> Rank</b>	<b>3<sup>rd</sup> Rank</b>
<b>80.9 %</b>	<b>79.5 %</b>	<b>77.3 %</b>

### SEM: VIII

		
<b>Miss. Archana R Gulli</b>	<b>Mr. Kiran S. Dhange</b>	<b>Mr. Akash Bagewadi</b>
<b>1<sup>st</sup> Rank</b>	<b>2<sup>nd</sup> Rank</b>	<b>3<sup>rd</sup> Rank</b>
<b>93 %</b>	<b>86.68 %</b>	<b>85.4%</b>



## DEPARTMENT ACTIVITIES

SL. No.	Topic of the seminar / Event	Date of Conduct	Resource person and address
1	Extension Activity on Free D-CET Coaching on Applied Maths and Science	10-10-2022 To 15-10-2022	1. Dr. S. L. Patil, Assistant Professor, First Year Engineering Department, HSIT Nidasoshi 2. Prof. S.A. Patil, Assistant Professor, First Year Engineering Department, HSIT Nidasoshi 3. Prof. S.S. Thabhaj, Assistant Professor, First Year Engineering Department, HSIT Nidasoshi 4. Prof. S .I. Shivamoggimath, Assistant Professor, First Year Engineering Department, HSIT Nidasoshi
2	A Session on Visionary Learning Community of India (VLCI)-4.0	27-10-2022	1. Shri. Saideep Rathnam, Chief Operating Officer, IJC, Indian Institute of Management, Bangalore 2. Shri. Neelesh B. Chougule, Chairman & Managing Director, Creintors Group of Companies, Belagavi
3	A Collaborative hands on STTP on Design and Analysis using MSC Apex Software & Multi body Dynamics (Motion Simulation)	17-11-2022 To 19-11-2022	1. Mr. Manohar S.N. Application Engineer ALTEM Technologies Private Limited Bangalore 2. Mr. Vivek Diwan Application Engineer ALTEM Technologies Private Limited Bangalore
4	A Seminar on Teacher is one Karmayogi	10-12-2022	Shri. Mahamedhananda Swamiji, Ramakrishna Mission Ashrama, Mysore
5	SHUBHARAMBHA-22 A welcome function and AIMSS Inauguration	16-12-2022	1. Dr. Veeranna D. K. Honorary Secretary of Institution of Engineers (India), Belagavi and Professor/ Director of IEMS B-School, Hubballi 2. Mr. Nitin Mahajan Alimni-2012 Batch & Project Manager, Datasor Decisions, Bengaluru
6	A Technical Talk on Professionalism & Engineering	16-12-2022	Dr. Veeranna D. K., Honorary Secretary of Institution of Engineers (India), Belagavi and Professor/ Director of IEMS B-School,, Hubballi
7	A Invited Talk on Career Prospects	31 -01-2023	Mr. Madhav Gitte, IAS, Assistant Commissioner, Chikodi
8	Training on Placement Aptitude Programme & Career Counseling	06-02-2023 To 11-02-2023	Mr. Anand Khanti , Aptitude Trainer, Bangalore
9	Technical Talk on CFD Applications in Hemodynamics	07-02-2023	Dr. Abdul A. Athani, Research Assistant, University of Malaya Kuala Lumpur, Malaysia
10	A UHV Programme Amar Jnanayogi on Shri Siddeshwar Swamiji	28-02-2023	1. Dr. P.P. Revankar, Professor, School of Mechanical Engineering Department, KLE Technological University, Hubballi 2. Prof. Ravi Hosamani, Regional Chair, IEEE Hubballi
11	A Technical Talk on Sustainable Development Goals in Engineering Prospective	28-02-2023	Dr. P.P. Revankar, Professor, School of Mechanical Engineering Department, KLE Technological University, Hubballi
12	Professional Body's (IEEE) A Technical Talk on Multidisciplinary Engineering Knowledge through Professional Organization	28-02-2023	Prof. Ravi Hosamani, Regional Chair, IEEE Hubballi



13	One Day Workshop on Design Thinking	18-03-2023	Dr. S. N. Topannavar, BOSCH IACC, IDT Course Coordinator and Professor & Head, Mechanical Engineering Department
14	Project Exhibition-2023	05-05-2023	All Staff Mechanical Engineering Department
15	HSIT Quest -2023	23-05-2023	1. Prof. Vishwanath Kadakhbavi, Mechanical Engineering Department SGBIT Belagavi 2. Prof. M. A. Hipparagi, Mechanical Engineering Department, HSIT Nidasoshi 3. Prof. S. A. Goudadi, Mechanical Engineering Department, HSIT Nidasoshi
16	Mini-Project Exhibition-2023	23-06-2023	1. Prof. Harish B. Gondhali, HOD, MTT Department, C.B. Kore Polytechnic Chikodi 2. Dr. S.S. Itannavar, Assistant Professor, E & C Department, Hirasugar Institute of Technology, Nidasoshi-591236
17	Awareness Programme on Electrical Safety Measures	28-06-2023	Team Experts from the Department of Electrical Inspectorate, Government of Karnataka
18	Invited Talk on How Indians Won the Silicon Valley	30-06-2023	Dr. Shivanand Kanavi, Adjunct Faculty NIAS, IISc Campus, Former VP TCS, Northeastern University, Boston
19	Professionalism in Education	07-08-2023	Dr. Umesh Bhushi, Professor United Arab Emirates (UAE)



**We mech  
WE MOVE THE WORLD!!!!**

**No TECH without MECH**





## 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	Prof. M .S. Futane	One Week FDP	Current Trends in Manufacturing	Teaching and Learning	13 <sup>th</sup> To 17 <sup>th</sup> June 2022	SJMIT Chitradurga
2	Dr. S. N. Topannavar	03 Day's STTP	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Automation Tools in Mechanical Engineering	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	Hirasugar Institute of Technology Nidasoshi
3	Dr. K. M. Akkoli	03 Day's STTP	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Automation Tools in Mechanical Engineering	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	Hirasugar Institute of Technology Nidasoshi
4	Dr. M. M. Shivashimpi	03 Day's STTP	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Automation Tools in Mechanical Engineering	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	Hirasugar Institute of Technology Nidasoshi
5	Prof. D. N. Inamdar	03 Day's STTP	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Automation Tools in Mechanical Engineering	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	Hirasugar Institute of Technology Nidasoshi
6	Prof. M .S. Futane	03 Day's STTP	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Automation Tools in Mechanical Engineering	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	Hirasugar Institute of Technology Nidasoshi
7	Prof. S. A. Goudadi	03 Day's STTP	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Automation Tools in Mechanical Engineering	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	Hirasugar Institute of Technology Nidasoshi
8	Prof. M. A. Hipparagi	03 Day's STTP	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Automation Tools in Mechanical Engineering	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	Hirasugar Institute of Technology Nidasoshi
9	Prof. G. M. Zulapi	03 Day's STTP	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Automation Tools in Mechanical Engineering	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	Hirasugar Institute of Technology Nidasoshi
10	Shri V.G. Badiger	03 Day's STTP	Design & Analysis Using MSC Apex Software & Multi	Automation Tools in Mechanical Engineering	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	Hirasugar Institute of Technology Nidasoshi



11	Shri. Arun B. Sankeshwari	03 Day's STTP	Design & Analysis Using MSC Apex Software & Multi Body Dynamics (Motion Simulations)	Automation Tools in Mechanical Engineering	17 <sup>th</sup> To 19 <sup>th</sup> November 2022	Hirasugar Institute of Technology Nidasoshi
12	Prof. M .S. Futane	One Week STTP	Role of AI,ML and DS in Emerging Trends of Mechanical Industries	Teaching and Learning	23 <sup>rd</sup> To 30 <sup>th</sup> January 2023	Zeal College of Engineering and Research Pune
13	Dr. S. N. Topannavar	Two Days Seminar	BITES Annual Convention 2022	Placement	10 <sup>th</sup> To 11 <sup>th</sup> February 2023	Infosys Campus Mysuru
14	Dr. S. N. Topannavar	03 Day's Seminar	Placement Education in India	Placement	26 <sup>th</sup> To 28 <sup>th</sup> February 2023	Abhyuday IIT Bombay
15	Prof. D. N. Inamdar	One Week STTP	Introduction to Python Programming and Its Applications	Teaching and Learning	13 <sup>th</sup> To 17 <sup>th</sup> March 2023	VTU Centre for PG Studies Muddenhalli
16	Dr. M. M. Shivashimpi	One Week FDP	Python Programming and Its Applications	Teaching and Learning	8 <sup>th</sup> To 12 <sup>th</sup> May 2023	BIGCE Solapur
17	Prof. G. M. Zulapi	One Week FDP	Python Programming and Its Applications	Teaching and Learning	8 <sup>th</sup> To 12 <sup>th</sup> May 2023	BIGCE Solapur
18	Prof. M .S. Futane	One Week FDP	Recent Advances in Mechanical Engineering	Teaching and Learning	24 <sup>th</sup> To 28 <sup>th</sup> July 2023	Dr. DYP COE Pimpri Pune
19	Prof. S. A. Goudadi	One Week FDP	Innovative Teaching Methodology-A creative Pedagogy	Teaching and Learning	31 <sup>st</sup> July To 4 <sup>th</sup> August 2023	Dr. DYP COE Pimpri Pune
20	Prof. M .S. Futane	One Week FDP	Innovative Teaching Methodology-A creative Pedagogy	Teaching and Learning	31 <sup>st</sup> July To 4 <sup>th</sup> August 2023	Dr. DYP COE Pimpri, Pune
21	Prof. D. N. Inamdar	One Week FDP	Innovative Teaching Methodology-A creative Pedagogy	Teaching and Learning	31 <sup>st</sup> July To 4 <sup>th</sup> August 2023	Dr. DYP COE, Pimpri, Pune
22	Prof. M .S. Futane	One Week FDP	NLP and Chat GPT Applications	Teaching and Learning	14 <sup>th</sup> to 19 <sup>th</sup> August 2023	SECAB Institute of Engineering & Technology in Collaboration with Excel Red Tech Pvt. Ltd.



## 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	International Journal of Applied Thermodynamics	Elsevier
2	Dr. S. N. Topannavar	International Journal of Green Energy	Taylor and Francis
3	Dr. K. M. Akkoli	International Journal of Waste and Biomass Valorization	Springer
		International Journal of Renewable energy	Elsevier
		International Journal of Mechanical Engineering and Sciences	UMP Publisher
		International Journal of Energy Research and Reviews	Science Domain International
		International Journal of green energy	Taylor and Francis
		International Journal of IRGC	Cambridge University Press
		International Journal of Automotive and Mechanical Engineering	University Malaysia Pahang Publishing
		Energy Science and Engineering	John Wiley and Sons Ltd
		Environment, Development and sustainability	Springer
4	Dr. M.M. Shivashimpi	International Journal of Energy	Elsevier
		International Journal of Biofuels	Taylor and Francis
		International Journal of Ambient Energy	Taylor and Francis
		International Journal of Chemical Engineering	Hindawi
		International Journal of Environmental Science and Pollution Research	Springer
		International Journal of Journal of the Brazilian Society of Mechanical Sciences and Engineering	Springer

## 3. Publications in International/National Journals

Sl. No.	Author's	Title of the Paper	Journal/ Publication Details/Citation	International/ National/State/ Inter college/College Level	Page No.
1	Mr. G. R. Kothiwale Dr. K. M. Akkoli Prof. B. M. Doddamani Mr. S. S. Kattimani Prof. Ü. Ağbulut Prof. A. Afzal Prof. A. R. Kaladgi Prof. Z. Said	Impact of injector nozzle diameter and hole number on performance and emission characteristics of CI engine powered by nanoparticles	<b>Journal:</b> International Journal of Environmental Science and Technology <b>Publisher:</b> Springer <b>ISSN Number:</b> 1735-1472 <b>Published on:</b> 13 <sup>th</sup> August 2022 <b>Volume:</b> 254 <b>DOI:</b> <a href="https://doi.org/10.1007/s13762-022-04397-0">https://doi.org/10.1007/s13762-022-04397-0</a> <b>Impact Factor:</b> 3.519 <b>Web of Science Core Collection:</b> Science Citation Index Expanded Rank: h-index of 93. The best quartile for this journal is Q1.	International	1-22



2	Dr. S.A. Alur Dr. M.M. Shivashimpi, KM Akkoli Dr. N. R Banapurmath Prof. D Sakthivel Prof. Yogesh Diliprao Sonawane Prof. Saiful Islam Prof. Prabhakar Sharma Prof. Mohammad Amir Khan Prof. Abdul Razak	Optimization and Modeling of EGR rate and MIS for POME fuelled CRDI diesel engine	<b>Journal:</b> Case Studies in Thermal Engineering <b>Publisher:</b> Elsevier <b>Volume:</b> 49 <b>DOI:</b> <a href="https://doi.org/10.1016/j.csite.2023.103170">https://doi.org/10.1016/j.csite.2023.103170</a> <b>ISSN Number:</b> 2214157X <b>Published on:</b> 16 <sup>th</sup> June 2023 <b>Impact Factor:</b> 6.8 <b>Web of Science Core Collection:</b> Scopus Indexed <b>Rank:</b> Q1	International	103- 170
3	Dr. K.M. Akkoli Dr. S. C. Kamate Dr. S. N. Topannavar Mr. A. R Bhavimani, Dr. N. R. Banapurmath Dr. Ibham Veza Dr. Manzoore Elahi M Soudagar Dr. T. M. Yunus Khan Prof. A.S. El-Shafay Prof. M.A. Kalam Dr. M. M. Shivashimpi Miss. Archana M Gulli	Influence of Injection Pressure and Aluminium Oxide Nano Particle-Added Fish Oil Methyl Ester on the Performance and Emission of Compression Ignition Engine	<b>Journal:</b> Energies <b>Publisher:</b> MDPI <b>ISSN Number:</b> 0360-5442 <b>Published on:</b> 14 <sup>th</sup> December 2022 <b>Volume:</b> 15 <b>DOI:</b> <a href="https://doi.org/10.3390/en15249491">https://doi.org/10.3390/en15249491</a> <b>Impact Factor:</b> 3.252 <b>Web of Science Core Collection:</b> Science Citation Index Expanded <b>Rank:</b> Q1	International	9491

#### 4. Faculty members who have achieved 100% Result

Name of Faculty	Subject	Subject Code	Semester
Shri. S. B. Sarawadi	Social Connect and Responsibility	21SCR36	III
Prof. Shehal Tabaj	Additional Mathematics	21MATDIP31	
Prof. M. S. Futane	Management and Economics	18ME51	V
Dr. S.N. Topannavar	Fluid Power Engineering	18ME55	
Prof. M. A. Hipparagi	Operations Management	18ME56	
Prof. P.R. Patil	Environmental Studies	18CIV59	IV
Prof. M. S. Futane	Introduction to AI and ML	21ME482	
Prof. S .S. Thabaj	Additional Mathematics-II	21MATDIP41	VI
Prof. Girish M Zulapi	Non Traditional Machining	18ME641	
Prof. Keshav Negalur	Renewable Energy Sources	18EE653	VIII
Dr. M. M. Shivasimpi	Energy Engineering	18ME81	
Prof. M. S. Futane	Automobile Engineering	18ME824	

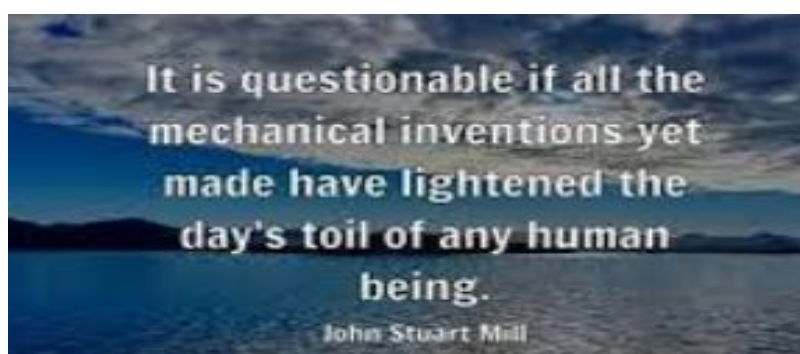


## 5. Faculty As a resource person

Sl. No.	Faculty	Presentation/ Jury Member/ Chair Person	Date	Place
1	Prof. M. A. Hipparagi	Participated as resource person and delivered talk on Orientation Program On Science and Research Pathway.	12 <sup>th</sup> October 2022	S.J.P.N. Trust's Polytechnic Nidasoshi.
2	Prof. M. S. Futane	Participated as resource person and delivered talk on Robot Programming.	9 <sup>th</sup> December 2022	S.J.P.N. Trust's Polytechnic Nidasoshi.
3	Dr. S. N. Topannavar	Participated as a resource person in National Coordinating Institute, IIT Delhi, UBA Understanding Various Modes Of Tribal Development Protecting their Indigenous Culture from External Influence -18.	13 <sup>th</sup> January 2023	National Coordinating Institute, IIT Delhi, UBA.
4	Dr. S. N. Topannavar	Participated as Jury member in the event Poster Presentation organized by EESSA.	17 <sup>th</sup> January 2023	HIT Nidasoshi
5	Prof. G. M. Zulapi	Participated as Jury member in the event Clay Modeling organized by EESSA.	17 <sup>th</sup> January 2023	HIT Nidasoshi
6	Dr. K. M. Akkoli	Participated as resource person and delivered talk on Carrier Guidance.	6 <sup>th</sup> February 2023	Government High School (RMSA), Ammangi.
7	Prof. M. A. Hipparagi	Participated as resource person and delivered talk on Advanced Manufacturing Technology.	26 <sup>th</sup> April 2023	S.J.P.N. Trust's Polytechnic Nidasoshi.

## 6. Funded Projects

Sl. No.	Faculty	Title	Funded by	Amount in Rs.
1	Dr. M. M. Shivashimpi Prof. D. N. Inamdar	Establishing the facility for-dynamic fatigue systems to study fatigue properties of surface characterized engineering materials	VGST under K-FIST L1 Government of Karnataka	10 Lakh





## PLACEMENTS

Miss. Archana R Gulli Faurecia Bengaluru	Mr. Kiran S. Dhange Ethnus Codemithra, Bengaluru	Miss. Aayesha Sayyad Ethnus Codemithra, Bengaluru	Mr. Dhananjayakumar Magadam Qspiders, Bengaluru

## PLACEMENTS PARTNERS AND MOU




**Industry Collaborations for Better Understanding of the Concepts**

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



**AIROCHEM**

Engineering Company



**KONARK**  
HEAT SYSTEM

**RAJEEV**  
& Company

RAJEEV & CO  
KAVAATA VALVES

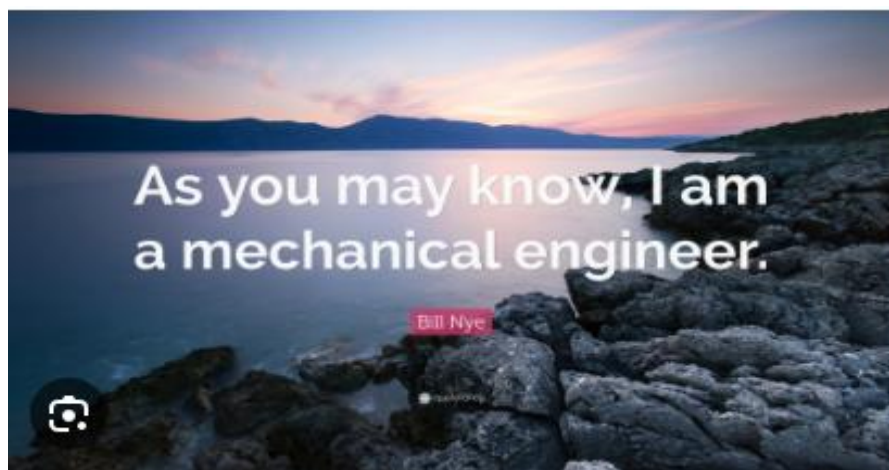


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come...let's grow

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## PROUD ALUMNI



S.J.P.N. Trust's  
**HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI.**

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

**Mechanical Engineering Department**

"Accredited by NBA"



FOUNDER PRESIDENT

### Some of Our Proud Alumni



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



**Mr. Vinod Dhanje**  
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**  
Wing Commander Indian  
AirForce - 2001 Batch



**Mr. Gangadhar Huddar**  
Scientist F BARC Trombay  
2002 Batch



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



**Mr. Premnath Shirkoli**  
Project Manager,  
Johnson & Johnson, USA  
2002 Batch



**Mr. Vidyanand Kesti**  
Specialist CFD, Mann & Hummel  
Filter Pvt, Ltd Bengaluru  
2003 Batch



**Mr. Praveen Handigund**  
Senior Team Leader  
TATA Technologies Pune  
2003 Batch



**Mr. Rajendra Tupale**  
Manager R&D Bajaj Auto Ltd,  
Pune - 2005 Batch



**Mr. Amol Desai**  
Vice-President Sales Wasan  
Trucking, Mumbai -  
2005 Batch



**Mr. Rushant Surve**  
Manager, Novo Nordisk,  
Bengaluru - 2005 Batch



**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



Welcome song by students on the occasion of SHUBHARAMBHA-22 A welcome function and AIMSS Inauguration held on 16<sup>th</sup> December 2022.



Dr. Veeranna D. K. Honorary Secretary of Institution of Engineers (India), Belagavi and Professor/ Director of IEMS B-School, Hubballi and Mr. Nitin Mahajan Alimni-2012 Batch & Project Manager, Datasor Decisions, Bengaluru are inaugurating the AIMMS Activities AY: 2022-23 on the occasion of SHUBHARAMBHA-22 A welcome function and AIMSS Inauguration held on 16<sup>th</sup> Dec. 2022.



Dr. S. N. Topannavar, Professor & HOD Mechanical Engineering Department, Hirasugar Institute of Technology, Nidasoshi is reading Department Vision Document on the occasion of SHUBHARAMBHA-22 A welcome function and AIMSS Inauguration held on 16<sup>th</sup> December 2022.



Felicitation to Mr. Sujeet Huddar, seventh semester student for securing the second place in State Level Men (70kg) Best Physique Championship 2022-23 on the occasion of SHUBHARAMBHA-22 A welcome function and AIMSS Inauguration held on 16<sup>th</sup> December 2022.



Felicitation to Mr. Rajeshwar G. Shivannavar, Peon, Mechanical Engineering Department for successful completion of 25 years employee service in the Hirasugar Institute Technology, Nidasoshi on the occasion of SHUBHARAMBHA-22 A welcome function and AIMSS Inauguration held on 16<sup>th</sup> December 2022.



Dr. S. C. Kamate, Principal, HSIT Nidasoshi and staff are interacting with students on occasion of Free D-CET Coaching on Applied Maths and Science held from 10<sup>th</sup> to 15<sup>th</sup> October 2022.



Dr. S. N. Topannavar, Professor and HOD, Mechanical Engineering Department, HSIT Nidasoshi is offering the flower to Shri. Saideep Rathnam, Chief Operating Officer, IJIC, Indian Institute of Management, Bangalore and Shri. Neelesh B. Chougule, Chairman & Managing Director, Creintors Group of Companies, Belagavi on the occasion of A Session on Visionary Learning Community of India (VLCI)-4.0 held on 27<sup>th</sup> October 2022.



Shri. Neelesh B. Chougule, Chairman & Managing Director, Creintors Group of Companies, Belagavi is delivering seminar to staff and students on the occasion of A Session on Visionary Learning Community of India (VLCI)-4.0 held on 27<sup>th</sup> October 2022.



Shri. Saideep Rathnam, Chief Operating Officer, IJC, Indian Institute of Management, Bangalore is delivering seminar to staff and students on the occasion of A Session on Visionary Learning Community of India (VLCI)-4.0 held on 27<sup>th</sup> October 2022.



Shri. Mahamedhananda Swamiji, Ramakrishna Mission Ashrama, Mysuru is delivering the seminar to both engineering and polytechnic staff members on the occasion of A seminar on Teacher is one Karmayogi held on 10<sup>th</sup> December 2022



The engineering and polytechnic staff members are attended the seminar on the occasion of A seminar on Teacher is one Karmayogi held on 10<sup>th</sup> December 2022.



Dr. Veeranna D. K. Honorary Secretary of Institution of Engineers (India), Belagavi and Professor/ Director of IEMS B-School, Hubballi is delivering talk on Professionalism & Engineering to students & staff on the occasion of A technical talk on Professionalism & Engineering held on 16<sup>th</sup> December 2022.



Mr. Nitin Mahajan Alimni-2012 Batch & Project Manager, Datasor Decisions, Bengaluru is delivering talk on Career Prospects of Mechanical Engineering to students on the occasion of SHUBHARAMBHA-22 A welcome function and AIMSS Inauguration held on 16<sup>th</sup> December 2022.



Mr. Manohar S. N. Application Engineer ALTEM Technologies Private Limited Bangalore is presenting about MSC software to staff and students on the occasion of A collaborative hands-on STTP on “**Design and Analysis using MSC Apex Software & Multi body Dynamics (Motion Simulation)**” held from 17<sup>th</sup> November 2022 to 19<sup>th</sup> November 2022.



Miss. Archana R Gulli is receiving participation certificate from resource person and Dr. S.C. Kamate, Principal Hirasugar Institute of Technology, Nidasoshi is the president of valedictory function on the occasion of A collaborative hands-on STTP on **“Design and Analysis using MSC Apex Software & Multi body Dynamics (Motion Simulation)”** held from 17<sup>th</sup> November 2022 to 19<sup>th</sup> November 2022.



Shot on OnePlus  
By VINYA VB

Group photo of resource person, staff and students on the occasion of A collaborative hands-on STTP on **“Design and Analysis using MSC Apex Software & Multi body Dynamics (Motion Simulation)”** held from 17<sup>th</sup> November 2022 to 19<sup>th</sup> November 2022.





Mr. Madhav Gitte, IAS, Assistant Commissioner, Chikodi is delivering talk on Career Prospects to students on the occasion of A invited talk on Career Prospects held on 31<sup>st</sup> January 2023.



Dr. S. C. Kamate Principal Hirasugar Institute of Technology, Nidasoshi is addressing to students and staff on the occasion of A invited talk on Career Prospects held on 31<sup>st</sup> January 2023.



Felicitation by the Dr. S. C. Kamate Principal Hirasugar Institute of Technology, Nidasoshi and other dignitaries to Mr. Madhav Gitte, IAS, Assistant Commissioner, Chikodi on the occasion of A invited talk on Career Prospects held on 31<sup>st</sup> January 2023.



Mr. Anand Khanti , Aptitude Trainer, Bangalore is interacting with students on the occasion of Training on Placement Aptitude Programme & Career Counseling held from 6<sup>th</sup> to 11<sup>th</sup> February 2023.



Dr. Abdul A. Athani, Research Assistant, University of Malaya Kuala Lumpur, Malaysia in delivering the technical talk on CFD Applications in Hemodynamics on the occasion Technical Talk on CFD Applications in Hemodynamics held on 7<sup>th</sup> February 2023.



The staff and students are attended the technical talk on CFD Applications in Hemodynamics on the occasion Technical Talk on CFD Applications in Hemodynamics held on 7<sup>th</sup> February 2023.



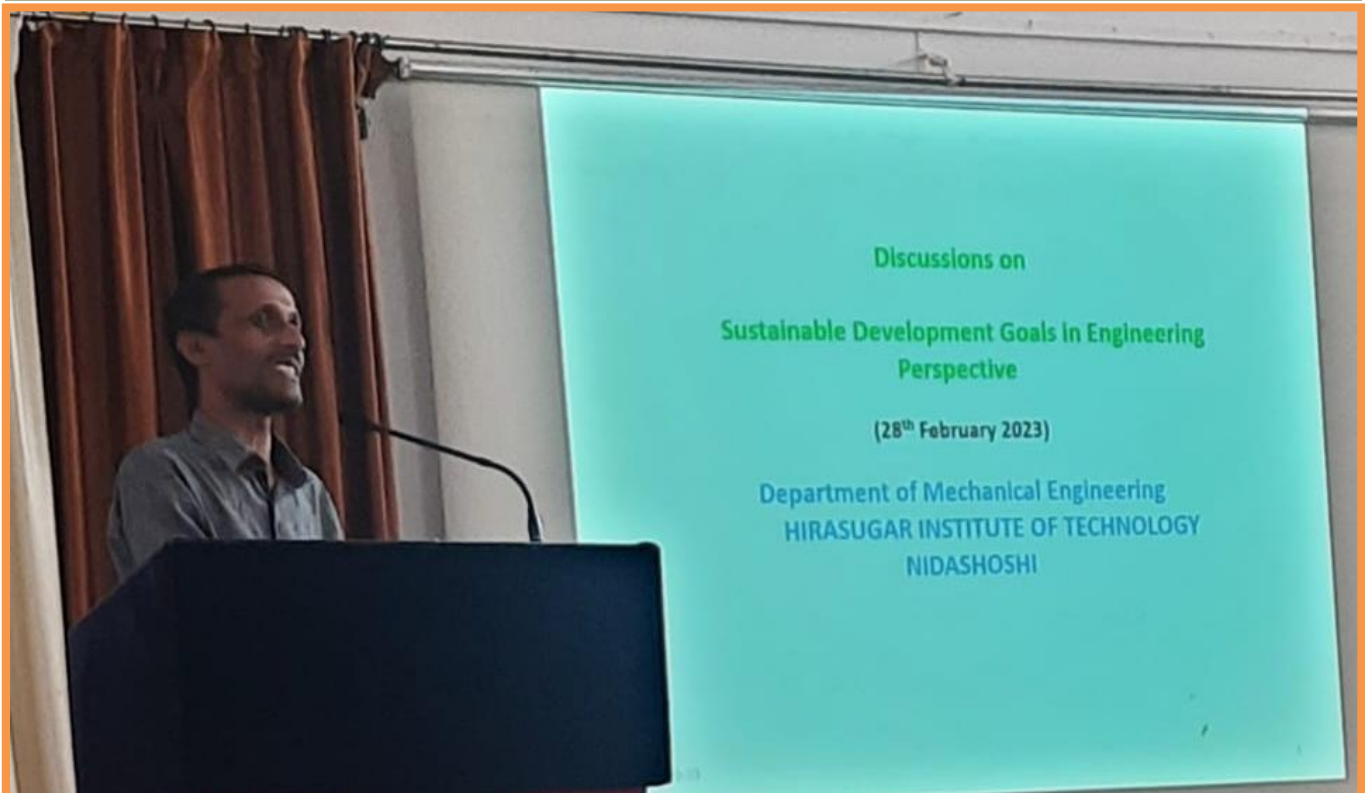
The staff and students are attended the A UHV Programme Amar Jnanayogi on Shri Siddeshwar Swamiji on the occasion of A UHV Programme Amar Jnanayogi on Shri Siddeshwar Swamiji held on 28<sup>th</sup> February 2023.



Dr. S. C. Kamate Principal Hirasugar Institute of Technology, Nidasoshi is addressing to students and staff on the occasion of A UHV Programme Amar Jnanayogi on Shri Siddeshwar Swamiji held on 28<sup>th</sup> February 2023.



Prof. Ravi Hosamani, Regional Chair, IEEE Hubballi is delivering the talk on Multidisciplinary Engineering Knowledge through Professional Organization on the occasion of Professional body IEEE activity held on 28<sup>th</sup> February 2023.



Dr. P.P. Revankar, Professor, School of Mechanical Engineering Department, KLE Technological University, Hubballi is delivering talk on Sustainable Development Goals in Engineering Prospective on the occasion of A Technical Talk event held on 28<sup>th</sup> February 2023.



The photo session of Technical Talk and IEEE Professional Body Activities are organized on 28<sup>th</sup> February 2023.



Dr. S. N. Topannavar, BOSCH IACC, IDT Course Coordinator and Professor & Head, Mechanical Engineering Department is delivering the seminar on Design Thinking to students on the occasion of one day workshop event held on 18<sup>th</sup> March 2023.



The staff and students are attended One Day Workshop on Design Thinking held on 18<sup>th</sup> March 2023.



Dr. S. N. Topannavar, Professor and HOD, Mechanical Engineering Department, Hirasugar Institute of Technology, Nidasoshi and Prof. M. A. Hipparagi, Assistant professor, Mechanical Engineering Department, Hirasugar Institute of Technology, Nidasoshi are interacting with students project model during Project Exhibition-2023 held on 5<sup>th</sup> May 2023.



Photo session of all department staff members and students project model during Project Exhibition-2023 held on 5<sup>th</sup> May 2023.



Prof. M. A. Hipparagi, Assistant Professor, Mechanical Engineering Department, HSIT Nidasoshi is delivering welcome speech during valedictory function on occasion of HSIT QUEST-2023 held on 23<sup>rd</sup> May 2023.





Dr. S. C. Kamate, Principal, Hirasugar Institute of Technology, Nidasoshi and other dignitaries are distributing certificate and cash prize to Mr. Kiran S. Dhange & Mr. Akshay Magadam for securing the third prize in the 12<sup>th</sup> National Level Technical Paper Presentation on occasion of HSIT QUEST-2023 held on 23<sup>rd</sup> May 2023.



Attended student participants and staff in the in the 12<sup>th</sup> National Level Technical Paper Presentation on occasion of HSIT QUEST-2023 held on 23<sup>rd</sup> May 2023.



Prof. Harish B. Gondhali, HOD, Machine Tool Technology Department, C.B. Kore Polytechnic, Chikodi Karnataka and Dr. S. S. Itannavar, Assistant Professor, Electronics and Communication Department, Hirasugar Institute of Technology, Nidasoshi are interacting and evaluating the student projects during Mini-Project Exhibition-2023 held on 23<sup>rd</sup> June 2023.



Prof. Harish B. Gondhali, HOD, Machine Tool Technology Department, C.B. Kore Polytechnic, Chikodi Karnataka and Dr. S. S. Itannavar, Assistant Professor, Electronics and Communication Department, Hirasugar Institute of Technology, Nidasoshi are distributing the certificates and cash prizes to winners of the event during Mini-Project Exhibition-2023 held on 23<sup>rd</sup> June 2023.



Group photo session of Jury member, staff and students during Mini-Project Exhibition-2023 held on 23<sup>rd</sup> June 2023.



Team Experts from the Department of Electrical Inspectorate, Government of Karnataka is presenting the importance of Electrical Safety Measures to students and staff on occasion of Awareness Programme on Electrical Safety Measures held on 28<sup>th</sup> June 2023.



Dr. S.C. Kamate, Principal Hirasugar Institute of Technology, Nidasoshi is addressing to students and staff on occasion of Awareness Programme on Electrical Safety Measures held on 28<sup>th</sup> June 2023.



The staff and students are attended the Awareness Programme on Electrical Safety Measures held on 28<sup>th</sup> June 2023.



Dr. Shivanand Kanavi, Adjunct Faculty NIAS, IISc Campus, Former VP TCS, Northeastern University, Boston is presenting to student and staff on occasion of Invited Talk on How Indians Won the Silicon Valley held on 30<sup>th</sup> June 2023.



Shriman Niranjan Jagadguru Pancham Shri Shivalingeswar Maha Swamij is addressing to students and staff on occasion of Invited Talk on How Indians Won the Silicon Valley held on 30<sup>th</sup> June 2023.



Shriman Nirnanjan Jagadguru Pancham Shri Nijalingeswar Maha Swamij and Dr. S.C. Kamate, Principal Hirasugar Institute of Technology, Nidasoshi are felicitating to Dr. Shivanand Kanavi, Adjunct Faculty NIAS, IISc Campus, Former VP TCS, Northeastern University, Boston staff on occasion of Invited Talk on How Indians Won the Silicon Vallev held on 30<sup>th</sup> June 2023.



Dr. Umesh Bhushi, Professor, United Arab Emirates (UAE) is interacting with staff on the occasion of an invited talk on Professionalism in Education held on 7<sup>th</sup> August 2023.



Dr. S. C. Kamate, Principal, Hirasugar Institute of Technology, Nidasoshi is addressing the staff on the occasion of an invited talk on Professionalism in Education held on 7<sup>th</sup> August 2023.



Dr. S. C. Kamate, Principal, Hirasugar Institute of Technology, Nidasoshi and Dr. S. N. Topannavar Professor and HOD, Mechanical Engineering Department HSIT Nidasoshi are participated in “BITES Annual Convocation 2022” organized by BITES on 10<sup>th</sup> to 11<sup>th</sup> February 2023 at Infosys Campus, Mysuru.



World Environment Day Celebration in the presence of his holiness of Shriman Niranjan Jagadguru Pancham Shri Shivalingeswar Maha Swamiji held on 9<sup>th</sup> June 2023.



Dr. S. N. Topannavar, Professor and HOD, Mechanical Engineering Department is participated in the Orientation Programme on Pathway Selection for V semester students on 12<sup>th</sup> October 2022 at SJPN Trust's Polytechnic, Nidasoshi.





Prof. M.A. Hipparagi, Assistant Professor, Mechanical Engineering Department is participated in the Orientation Programme on Pathway Selection for V semester students on 12<sup>th</sup> October 2022 at SJPN Trust's Polytechnic, Nidasoshi.



Felicitation by Members Grama Panchayath Ammanagi to Dr. K. M. Akkoli for Award of Ph.D. Degree in the Mechanical Engineering Department, BEC, Bagalkot, VTU Belagavi.



COMEDK CET CODE: E111

S. J. P. N Trusts

KEA CET CODE: E040



## Hirasugar Institute of Technology, Nidasoshi

Inculcating Values, Promoting Prosperity  
(Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi)  
**Accredited at 'A' Grade by NAAC**  
Programmes Accredited by NBA: CSE, ECE, EEE & ME  
Recognized under Section 2(f) of UGC Act, 1956.



### Mechanical Engineering Department

### Hearty Congratulations To our proud student



**Mr. Sujeet Huddar (7th Sem)**

**Felicitated By Maha Swamiji**

**By: Management, Principal, Staff & Students**



Mr. Akash Bagewadi and Miss. Archana R. Gulli is receiving certificate for higher academic performance in the AY: 2022-23 by Shri. V.S. Mali Litterateur, Guest of Honour, HSIT SAMBHRAMA 2023 on 24<sup>th</sup> May 2023.



Miss. Archana R. Gulli is receiving Best Outgoing Girl Award for Academic Year 2022-23 from Shri. Nijalingeswar Devaru SJPN Trust's Hirasugar Institute of Technology Nidasoshi on occasion of HSIT SAMBHRAMA-2023 held on 24<sup>th</sup> May 2023.



Shriman Niranjan Jagadguru Pancham Shri Nijalingeswar Devaru Maha Swamiji is addressing and blessing to final year students on occasion of Annual Social Gathering held on 24<sup>rd</sup> May 2023.



Shriman Niranjan Jagadguru Pancham Shri Nijalingeswar Devaru Maha Swamiji is distributing graduation certificate to final year outgoing student on occasion of 5<sup>th</sup> Graduation Day held on 25<sup>th</sup> May 2023.



Dr. S.C. Kamate, Principal, HSIT Nidasoshi is distributing certificates to polytechnic students on occasion of TECHOVISION -23, State Level Project Competition organized by HSIT Nidasoshi on 22<sup>nd</sup> May 2023.



Academic Audit for the AY: 2022-23 is conducting on 19<sup>th</sup> January 2024 Mr. N. B. Rajeev Rao, Managing Director, Rajeev & Rao Company, Belagavi and Dr. C.V. Adake, Professor and HOD, Mechanical Engineering Department, KLE Technological University's, Dr. M S Sheshgiri College of Engineering and Technology, Belagavi are Auditing the Department Curriculum and Extracurricular Activities.



Participation of students in Cultural Activities on occasion of HSIT SAMBHRAMA 2022 held on 24<sup>th</sup> May 2023.



The students won the Consolation Prize in the ANVESHANA-2023 project competition held from 19th to 21<sup>st</sup> February 2023 at Hubli Dharwad and Prof. S.A. Goudadi and Prof. M.S. Futane , Mechanical Engineering Department HSIT Nidasoshi are guided for project title on “Wireless Jack System.”



NSS Unit and Red Cross Cell of HSIT, Nidasoshi have jointly organized a Blood Donation Camp & Awareness Program on “Blood Donation” awareness Program. On this occasion principal Dr. S C. Kamate explained about the importance of blood donation to students & all the staff on 18/12/2023.



Staff and students are participated in International Yoga Day Organized in our campus on 21<sup>st</sup> June 2023.



NSS unit have organized 77<sup>th</sup> Independence Day celebration function. The function is inaugurated by Principal Dr. S C Kamate by hosting the flag in the presence of all staff members and students on 15<sup>th</sup> August 2023.



Staff and students are Celebrating Har Ghar Tiranga Abhiyan in the campus on occasion of 77<sup>th</sup> Independence Day.



NSS Unit and Kannada Balaga of HSIT have organized Celebration function of 68<sup>th</sup> Kannada Rajyotsava on 1<sup>st</sup> November 2023.



## 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 2022-23



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