



# NEWS LETTER



**2021-22**

## **Mechanical Engineering Department**

Volume: 10

September: 2K21-22



SJPN, Trust's

**Hirasugar Institute of Technology, Nidasoshi**

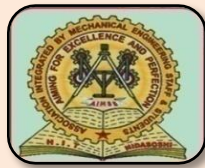
Approved by AICTE, New Delhi and Affiliated to VTU Belagavi- Accredited by NAAC at 'A' Grade & NBA

### ***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.

Mr. VijayKumar J. IMedar of III Sem Civil Engg has participated in south Zone Inter University Kho-Kho Tournament at CHRIST University Malur on 12<sup>th</sup> March 2022. Mr. Shivkumar C. M. of VIII sem CSE Department has participated in VTU Belagavi Zone cricket Selection Trials held at K.L.S. G.I.T. Belagavi on 27<sup>th</sup> May 2022 and he is selected in fast bowler in VTU Belagavi Zone Cricket team.

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”, “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 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-2021-22”. 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 27<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 and also accredited by NBA.



## Staff Members



## Celebration of Kannada Habba





## Faculty Members

Sl. No.	Name	Designation	Exp	Qualification
1	Dr. S. C. Kamate	Principal	29	PhD
2	Dr. S. N.Topannavar	Assoc Prof	25	PhD
3	Dr. K. M. Akkoli	Asst Prof	23	PhD
4	Prof. D. N. Inamdar	Asst Prof	21	M.Tech (Ph.D)
5	Prof. M. S. Futane	Asst Prof	18	M.Tech
6	Prof. S. A. Goudadi	Asst Prof	16	M.Tech (Ph.D)
7	Prof. M. M. Shivashimpi	Asst Prof	15	M.Tech (Ph.D)
8	Prof. M. A. Hipparagi	Asst Prof	14	M. Tech (Ph.D)
9	Prof. Mahantesh Tanodi	Asst Prof	10	M. Tech (Ph.D)
10	Prof. B. M. Dodamani	Asst Prof	10	M.Tech
11	Prof. Girish .M. Zulapi	Asst Prof	15	M.Tech

## Technical Supporting Staff

Sl. No.	Name	Designation	Exp	Qualification
1	Shri. V .G. Badiger	Foreman	26	DME
2	Shri. A. B. Sankeshwari	Foreman	25	DME
3	Shri. C.B. Patil	Mechanic	20	ITI
4	Shri. M.J. Patil	Welder	07	ITI
5	Shri. D.R. Badiger	Mechanic	26	S S L C

## Ministerial Staff

	Name	Designation	Exp	Qualification
1	Shri. R. G. Shivannavar	Helper	26	B A
2	Shri. A. K. Huddar	Helper	17	S S L C
3	Shri.G. D. Basappare	Peon	17	S S L C



## STUDENTS ACHIEVEMENTS

### 1. Technical Event

Sl. No.	Title	Author(s)	Name of the event	Venue	Date	National/ State/College/ Inter college level
1	Piston Cylinder with PTC CREO	Mr. Siddharth V Patil	Workshop	Skilled in Skyy Rider	3 <sup>rd</sup> December 2021	National
2	An Overview of CFD	Mr. Amit P Thorat	Webinar	Skill LYNC	19 <sup>th</sup> December 2021	National
3	Clay Model to Prototype CAD Modeling	Mr. Amit P Thorat	Webinar	Disenosys	23 <sup>rd</sup> January 2022	National
4	ANSYS	Mr. Amit P Thorat	Webinar	BIT Sindri in Collaboration with Elite Techno Groups & conducted by Mechanical Engineering Society	25 <sup>th</sup> January 2022	National
5	Core Cavity Extraction in NX	Mr. Amit P Thorat	Workshop	Skilled in Skyy Rider	29 <sup>th</sup> & 30 <sup>th</sup> January 2022	National
6	External Grooving Operation in CNC	Mr. Amit P Thorat	Workshop	Skilled in Skyy Rider	9 <sup>th</sup> February 2022	National
7	Industry Insights in to Product Development, Analysis and Tooling Engineering	Mr. Sunil B.Kuligod	Webinar	Tecosim	9 <sup>th</sup> February 2022	National
8	Basics Web Development	Mr. Sunil B.Kuligod	Webinar	Microsoft Learn & GDG Ranchi	07 days	National
9	Machine Learning & Python	Mr. Sunil B.Kuligod	Webinar	Microsoft Learn & GDG Ranchi	07 days	National
10	Career Guidance	Mr. Amit P Thorat	Webinar	Easy B Tech	--	National



## 2. Project Exhibition

Sl. No.	Title	Author(s)	Name of the event	Venue	Date	Prize	National/ State/College/ Inter college level
1	Power Generating using Rack and Pinion	Mr. Virupaxaya Mathad Mr. Sourrabha Shinde Mr. Aditya Patil Mr. Ramesh Manjaragi	Project Exhibition	HIT Nidasoshi	7 <sup>th</sup> July 2022	First	Department
2	Automatic Drain Cleaner	Mr. Prathmesh Nilaji Mr. Suraj Maradi Mr. Satigouda B. Patil Mr. Kiran S. Dhange	Project Exhibition	HIT Nidasoshi	7 <sup>th</sup> July 2022	Second	Department
3	Smart Home Automation System using Smartphone and Bluetooth	Mr. Mahadev Gulli Miss. Archana Gulli Miss. Ayesha Sayyad Miss. Rakesh Gudasi	Project Exhibition	HIT Nidasoshi	7 <sup>th</sup> July 2022	Third	Department
4	Automatic Foot Cleaning Machine in Public Places	Mr. Akshay Magadum Mr. Sandeep Sooji Mr. Rajkumar Khot Mr. Vinayak Badiger	Project Exhibition	HIT Nidasoshi	7 <sup>th</sup> July 2022	Third	Department
5	Effortless Lifer and Mover for Paralysis Patients	Mr. Chetan Karigar Mr. Sooraj Sangappagol Mr. Manjunath Madar	Project Exhibition	HIT Nidasoshi	8 <sup>th</sup> July 2022	First	Department
6	Self Driving Water Cleaning Machine	Mr. Sacheen Patil Mr. Vinayak A Dodamani Mr. Ravi Magadum Mr. Naveen kumar G	Project Exhibition	HIT Nidasoshi	8 <sup>th</sup> July 2022	Second	Department
7	Advanced Mixed Mode Solar Cabinet Dryer	Mr. Shrishar Mudigoud Mr. Ajinkaykumar S Bhosale Mr. Amit P Thorat Miss. Shweta Kumbar	Project Exhibition	HIT Nidasoshi	8 <sup>th</sup> July 2022	Third	Department








## 3. KSCST Sponsored Projects

Sl. No.	Title	Name of Guide	Name of The Team Members(s)	Amount in Rs.	Sponsored By
1	Advanced mixed mode solar cabinet dryer (45S_BE_2743)	Dr. S. N. Topannavar Dr. M. M. Shivashimpi	Mr. Amit P Thorat Mr. Ajinkaykumar S Bhosale Mr. Shridhar B Mudigoud Ms. Shweta M Kumbar	8,000.00	KSCST, Bangalore
2	Performance and emission characteristics of CRDI diesel engine with EGR and JFSO bio-diesel (45s_BE_2888)	Dr. K. M. Akkoli	Mr. Prashant S Kambar Mr. Abhijit A Patil Mr. Maruti M Naik Mr. Ramakrishn K Magadam	6,500.00	KSCST, Bangalore
3	A comprehensive study on feasibility of algae oil methyl ester(AOME) as a Biodiesel with graphene oxide as an additive in CI engine performance (45s_BE_3384)	Dr. S. N. Topannavar	Mr. Siddappa Karagar Mr. Aditya Kalbhar Mr. Vrushabh Mugganavar Mr. Sunilkuligod	5,000.00	KSCST, Bangalore
4	Soyabean harvesting machine (45s_BE_3421)	Mr. Mahantesh Tanodi Dr. S. N. Topannavar	Mr. Shivaprasad Ammanagi Mr. Prashant Madiwalar Mr. Akshay Badakundri Mr. Vijayalaxmi B Bugadi	10,000.00	KSCST, Bangalore
5	Prototype of voice controlled smart hospital bed with patient health monitoring system. (45s_BE_4627)	Prof. S A Goudadi	Mr. Arunkumar Halagatti Mr. Rahul Aiwale Mr. Sourabh Mole	7,000.00	KSCST, Bangalore
6	Lawn mower with wireless robot in agriculture field	Dr. S. N. Topannavar Prof. M.S. Futane	Mr. Punitkumar Pundalik & Team	5,000.00	VTU, Belagavi
7	Prototype of voice controlled smart hospital bed with patient health monitoring system	Prof. S.A. Godadi Prof. D. N. Inamdar	Mr. Aunkumar Halagatti & Team	5,000.00	VTU, Belagavi



## 6. Class Toppers


### SEM: III

		
<b>Mr. Nitin R. Bani</b>	<b>Mr. Yogesh R Dhanwade</b>	<b>Mr. Promod B. Ammanagi</b>
<b>1<sup>st</sup> Rank</b>	<b>2<sup>nd</sup> Rank</b>	<b>3<sup>rd</sup> Rank</b>
<b>75%</b>	<b>74.89%</b>	<b>74 %</b>

### SEM: V




			
<b>Mr. Akash Bagewadi</b>	<b>Miss. Archana R Gulli</b>	<b>Mr. Kiran S. Dhange</b>	<b>Mr. Shashidhar Gurav</b>
<b>1<sup>st</sup> Rank</b>	<b>2<sup>nd</sup> Rank</b>	<b>2<sup>nd</sup> Rank</b>	<b>3<sup>rd</sup> Rank</b>
<b>82.11%</b>	<b>80.44 %</b>	<b>80.44 %</b>	<b>80.33 %</b>

### SEM: VII




		
<b>Mr. Babasabh Bagashahi</b>	<b>Mr. Siddharth V.Patil</b>	<b>Mr. Praveen Chougale</b>
<b>1<sup>st</sup> Rank</b>	<b>2<sup>nd</sup> Rank</b>	<b>3<sup>rd</sup> Rank</b>
<b>85.5%</b>	<b>82.6 %</b>	<b>81.3. %</b>






### SEM: IV

		
<b>Mr. Promod B. Ammanagi</b>	<b>Mr. Yogesh R Dhanwade</b>	<b>Mr. Srinath Sooji</b>
<b>1<sup>st</sup> Rank</b>	<b>2<sup>nd</sup> Rank</b>	<b>3<sup>rd</sup> Rank</b>
<b>82.5 %</b>	<b>77.63 %</b>	<b>76.38 %</b>

### SEM: VI

		
<b>Miss. Archana R Gulli</b>	<b>Mr. Kiran S. Dhange</b>	<b>Mr. Shashidhar Gurav</b>
<b>1<sup>st</sup> Rank</b>	<b>2<sup>nd</sup> Rank</b>	<b>3<sup>rd</sup> Rank</b>
<b>86 %</b>	<b>85 %</b>	<b>81 %</b>

### SEM: VIII

		
<b>Mr. Nandish L Vibhuti</b>	<b>Mr. Naveenkumar Ganachari</b>	<b>Mr. Prasanth Madiwalar</b>
<b>1<sup>st</sup> Rank</b>	<b>2<sup>nd</sup> Rank</b>	<b>3<sup>rd</sup> Rank</b>
<b>93.6 %</b>	<b>93.4%</b>	<b>92.8. %</b>



## DEPARTMENT ACTIVITIES

SL. No.	Topic of the seminar / Event	Date of Conduct	Resource person and address
1	The 3 <sup>rd</sup> Semester Branch Entry and AIMSS Inauguration Function	28-10-2021	Mr. Vinayak Kadakhbavi, Executive HR Aequs Engineered Plastic Private Limited, Hattargi
2	AEQUS Hattargi Private Limited, HR Interaction with students	28-10-2021	Mr. Vinayak Kadakhbavi, Executive HR Aequs Engineered Plastic Private Limited, Hattargi
3	Appu Amar	13-11- 2021	1.Dr.N.R.Banapurmath, Professor, KLE Technological University, Hubli 2.Dr.P.P.Revankar,Professor, KLE Technological University, Hubli
4	Technical Talk on Recent Trends in Thermal Engineering	13-11- 2021	Dr. P. P. Revankar, Professor, KLE Technological University, Hubli
5	Technical Talk on Nano Fluids for Radiator Coolant & Engine Application	13-11- 2021	Dr. N. R. Banapurmath, Professor, Head of Centre for Materials Studies, KLE Technological University, Hubli
6	Technical Talk on Robotics and Automation	17-11- 2021	1.Mr. Niesh B. Chougule, Chairman & Managing Director, Creintors Group of Companies, Belagavi 2. Mrs. Disha N. Chougale, Director, Creintors Automation Solutions Private Limited, Belagavi
7	Awareness Session on Importance of Personality Diagnostic Test and its Outcomes	06-12-2021 To 11 -12-2021	1. Prof. D .N. Inamdar, Assistant Professor, Mechanical Engineering Department, Hirasugar Institute of Technology, Nidasoshi 2.Prof. M. A. Hipparagi, Assistant Professor, Mechanical Engineering Department, Hirasugar Institute of Technology, Nidasoshi 3.Prof. B. M. Dodamani, Assistant Professor, Mechanical Engineering Department, Hirasugar Institute of Technology, Nidasoshi
8	Modernization of Belagavi Airport & Career Opportunities	11-12-2021	Mr. Rajesh Kumar Maurya and Team, Airport Director, Airport Authority of India, Belagavi Airport, Sambra Belagavi
9	Virtual Training Programme on Nation Building Attitudes & Behaviors Under CSR for Staff	13 -12-2021 To 17-12- 2021	Mr. Hiren Panchal, Master Trainer, CSR& Skill Development, Social Engagement Cell Bosh India Private Limited, Bangalore
10	Virtual Training Programme on Nation Building Attitudes & Behaviors Under CSR for Students	20-12-2021 To 24-12-2021	Dr. Smriti Bhatnagar, Master Trainer, CSR& Skill Development, Social Engagement Cell Bosh India Private Limited, Bangalore.
11	One day workshop on Entrepreneurship	21-12 2021	Mr. Nitin Naik, Founder and CEO, Tecnophilia,Sangli
12	Technical Talk on Fuel Injection System & Engine Basic	03-01- 2022	Mr. Dhondibha Chougale, Hitachi Astemo FIE Private Limited, Pune
13	Poster presentation on Theme: Energy & Its economics	20-01- 2022	1.Prof. M. M. Shivashimpi, Assistant Professor, Mechanical Engineering Nidasoshi 2. Prof. B. M. Dodamani, Assistant Professor, Mechanical Engineering Department, HIT, Nidasoshi



14	Awareness Programme on “Creintor’s Driven Course on Multidisciplinary Skilled Live Projects”	21 -01-2022	Mr. Pramod Parit, Senoir Executive HR, Creintors Automation Solutions Private Limited, Belagavi
15	Intellectual Rights Awareness Programme For 3 <sup>rd</sup> Semester students	10-02- 2022	Mr. Arnab Bhattacharyya, Examiner of Patents and Designs (Gr ‘A’ Gazetted) and Officer, NIPAM, Patent office Kolkata
16	Industry Visit at Hidkal dam power plant, Hidkal	14-02- 2022	Mr. S.M. Madiwale, AEE, Civil Engineer, Hidakl Dam, Hidkal Hidkal, Taluk : Hukkeri, District: Belagavi
17	Industry Visit at Sangam Sugar Factory, Hidkal	14-02- 2022	The Chief Engineer, Sangam Sugar Factory, Hidkal Hidkal, Karnataka
18	Technical Talk on Robot application in Automotive Industry	04-03- 2022	Mr. N.P. Bannibagi, ISDS, Assistant Director, Ministry of Skill Development and Entrepreneurship and Doctorate General of Training” National Skill Training Institute” Government of India.
19	Technical Talk on Design Thinking	19-03- 2022	Mr. Pralhad Kulkarni, Agile Project management Office Transformation Consultant, Bosch Global Software Technologies, Private Limited Bangalore
20	Tips to Excel in VTU – Semester End Examination (SEE) and Related Grievances	20-04-2022	1. Dr. S.N. Topannavar, Professor and HOD, Mechanical Engineering Department, HIT Nidasoshi 2. Dr. K.M. Akkoli, Associate Professor, Course Coordinator 3.Prof. D. N. Inamdar, Assistant Professor, Course Coordinator 4..Prof. M.A. Hipparagi, Assistant Professor, Course Coordinator 5..Prof. Mahantesh Tanodi, Assistant Professor, Mechanical Engineering Department, HIT Nidasoshi 6..Prof. S. I. Shivamoggimath, Assistant Professor, Course Coordinator
21	Intellectual Rights Awareness Programme For 8 <sup>th</sup> Semester students	12-05- 2022	Mr. Arnab Bhattacharyya, Examiner of Patents and Designs (Gr ‘A’ Gazetted) and Officer, NIPAM, Patent office Kdddddolkata
22	Industry Visit at Rajeev & Rao Company, Belagavi	04-06- 2022	Mr. N. B. Rajeev Rao, Managing Director, Rajeev & Rao Company, Belagavi, Karnataka
23	Industry Visit at Divgi Industries Private Limited, Sirsi	04-06- 2022	Quality Assurance Engineers, Divgi Industries Private Limited, Sirsi Banavasi Road Srsi, Karnataka
24	Workshop on Complete Entrepreneurship Optimization	08-06- 2022.	Prof. Santosh Ternimath, Associate professor Annapoorna Institute of Management Research, Sankeshwar
25	A Guidance Program on Career opportunities after B.Tech	16-06-2022	Mr. Shankar Jarashandh Wadne, Faculty Member, ACE Academy, Hyderabad
26	Mini-Project Exhibition-2022	07-07- 2022	1. Mr. Praveenkumar Tanodi, Senior Manager, Quest Global Bangalore 2.Prof. Sunilkumar Kattimani, HOD, Mechanical Engineering Department, SJPN Trust’s Polytechnic, Nidasoshi
27	Workshop on "Higher Education in Foreign Universities: Scope, preparation, and scholarships”	08 -07-2022	Dr. Jagadeesha R Bhat, Assistant professor, Indian Institute of Information Technology Dharwad, Execom member, IEEE North Karnataka Subsection
28	Project Exhibition-2022	08-07- 2022	1.Prof. A.R. Bhavimani, Lecturer, Mechanical Engineering Department, SJPN Trust’s Polytechnic,



			Nidasoshi 2.Prof. S. M. Mathapathi, Lecturer, Mechanical Engineering Department, SJPN Trust's Polytechnic, Nidasoshi
29	ALOHA Farewell Function - 2K22	22-07-2022	Dr. S.C. Kamate, Principal, Hirasuagr Institute of Technology, Nidasoshi
30	Book Distribution to Bright Students	22-07-2022	All staff members of Department
31	Future Tech -2022, A Technical Competitions for Polytechnic Students	29-07-2022	1.Prof. S B. Yapalaparvi, Mechanical Engineering Department, SJPN Trust's Polytechnic, Nidasoshi 2.Prof. G. B. Sangote, Mechanical Engineering Department, SJPN Trust's Polytechnic, Nidasoshi 3.Mr. Shivanada M. Vaphax, Mechanical Engineering Department, C.B. Kore Polytechnic, Chikodi 4.Dr. M. M. Shivashimpi, MED,HSIT, Nidasoshi 5.Prof. D.N. Inamdar, MED,HSIT, Nidasoshi 6.Prof. M.A.Hipparagi, MED,HSIT, Nidasoshi 7.Prof. M.S Futane, MED,HSIT, Nidasoshi 8.Prof. Mahantesh, Tanodi, MED, HSIT, Nidasoshi
32	Carrier Guidance Awareness program on SAP	26-08-2022	Mr. Sanjay Arali, CEO, Techno connect Hub, Pune



## 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. D.N.Inamdar	Three Week Software Training Program	Software in COE in Visualization Engineering	Automation Tools in Mechanical Engineering	2 <sup>nd</sup> to 18 <sup>th</sup> August 2021	Association with ALTEM Technologies Private Limited, Visvesvaraya Technological University, Belagavi
2	Prof. Mahantesh Tanodi	Three Week Software Training Program	Software in COE in Visualization Engineering	Automation Tools in Mechanical Engineering	2 <sup>nd</sup> to 18 <sup>th</sup> August 2021	Association with ALTEM Technologies Private Limited, Visvesvaraya Technological University, Belagavi
3	Prof. M. S. Futane	Three Week Software Training Program	Software in COE in Visualization Engineering	Automation Tools in Mechanical Engineering	2 <sup>nd</sup> to 18 <sup>th</sup> August 2021	Association with ALTEM Technologies Private Limited, Visvesvaraya Technological University, Belagavi
4	Prof. M. M. Shivashimpi	Three Week Software Training Program	Software in COE in Visualization Engineering	Automation Tools in Mechanical Engineering	2 <sup>nd</sup> to 18 <sup>th</sup> August 2021	Association with ALTEM Technologies Private Limited, Visvesvaraya Technological University, Belagavi
5	Dr. K.M. Akkoli	Three Week Software Training Program	Software in COE in Visualization Engineering	Automation Tools in Mechanical Engineering	2 <sup>nd</sup> to 18 <sup>th</sup> August 2021	Association with ALTEM Technologies Private Limited, Visvesvaraya Technological University, Belagavi
6	Prof. M. M. Shivashimpi	Two Week Software Training Program	Onsite Phase-I Training on Software in Visualization Engineering	Automation Tools in Mechanical Engineering	20 <sup>th</sup> September 2021 To 1 <sup>st</sup> October 2021	Association with ALTEM Technologies Private Limited, Visvesvaraya Technological University, Belagavi
7	Prof. S. A. Goudadi	Two Week Software Training Program	Onsite Phase-I Training on Software in Visualization Engineering	Automation Tools in Mechanical Engineering	20 <sup>th</sup> September 2021 To 1 <sup>st</sup> October	Association with ALTEM Technologies Private Limited, Visvesvaraya



					2021	Technological University, Belagavi
8	Dr. S. N. Topannavar	One Day Workshop	How to Conduct the Student Induction Program	Student Welfare Programme	21 <sup>st</sup> September 2021	All India Council of Technical Education, New Delhi
9	Dr. S. N. Topannavar	One Week FDP	Inculcating Universal Human Values in Technical Education	Universal Human Values	4 <sup>th</sup> to 8 <sup>th</sup> October 2021	All India Council of Technical Education, New Delhi
10	Dr. K.M. Akkoli	03 Day FDP	Recent Trends in Applications of AI, ML, IoT and Robotics in Mechanical Engineering	Advances in Computer Applications	28 <sup>th</sup> -30 <sup>th</sup> October 2021	RNS Institute of Technology Bengaluru
11	Prof. M.A.Hipparagi	03 Day FDP	Recent Trends in Applications of AI, ML, IoT and Robotics in Mechanical Engineering	Advances in Computer Applications	28 <sup>th</sup> -30 <sup>th</sup> October 2021	RNS Institute of Technology Bengaluru
12	Prof. M.A.Hipparagi	03 Day FDP	Recent Trends in Applications of AI, ML, IoT and Robotics in Mechanical Engineering	Advances in Computer Applications	28 <sup>th</sup> -30 <sup>th</sup> October 2021	RNS Institute of Technology Bengaluru
13	Prof. M. S. Futane	03 Day FDP	Recent Trends in Applications of AI, ML, IoT and Robotics in Mechanical Engineering	Advances in Computer Applications	28 <sup>th</sup> -30 <sup>th</sup> October 2021	RNS Institute of Technology Bengaluru
14	Shri V.G. Badiger	03 Day Workshop	Maintenance & Servicing of laboratory Equipments & computer System	Maintenance Engineering	28 <sup>th</sup> To 30 <sup>th</sup> October 2021	BLDEA's V. P. Dr. P. G. Halakatti College of Engineering and Technology, Vijayapur
15	Shri. Arun B. Sankeshwari	03 Day Workshop	Maintenance & Servicing of laboratory Equipments & computer System	Maintenance Engineering	28 <sup>th</sup> To 30 <sup>th</sup> October 2021	BLDEA's V. P. Dr. P. G. Halakatti College of Engineering and Technology, Vijayapur
16	Dr. S. N. Topannavar	02 Day Workshop	National Education Policy - 2020	Technical Education	19 <sup>th</sup> and 20 <sup>th</sup> November 2021	KLS Gogte Institute of Technology, University, Belagavi
17	Prof. M. M. Shivashimpi	01 Day FDP	Latest Developments in Processing and Manufacturing of	Material Science	27 <sup>th</sup> November 2021	AIET, Moodbidri





			Advanced materials			
18	Dr. S. N. Topannavar	One Week Orientation Program	Industry Academia Collaboration Coordinator (IACC)	Industry Academia Collaboration	6 <sup>th</sup> December 2021 to 11 <sup>th</sup> March 2022	Bosch India Foundation, CSR & Skill Development, Bangalore
19	Prof. Mahantesh Tanodi	01 Week Training Program	An overview of Teaching Techniques in Innovation & Design Thinking	Teaching and Learning	6 <sup>th</sup> To 10 <sup>th</sup> December 2021	VTU Human Resource Centre , Muuddenahalli in Association with AICTE Delhi
20	Dr. K.M. Akkoli	01 Week Training Program	An overview of Teaching Techniques in Innovation & Design Thinking	Teaching and Learning	6 <sup>th</sup> To 10 <sup>th</sup> December 2021	VTU Human Resource Centre , Muuddenahalli in Association with AICTE Delhi
21	Dr. S.N.Topannavar	01 Week Training Program	An overview of Teaching Techniques in Innovation & Design Thinking	Teaching and Learning	6 <sup>th</sup> To 10 <sup>th</sup> December 2021	VTU Human Resource Centre , Muuddenahalli in Association with AICTE Delhi
22	Prof. M. M. Shivashimpi	01 Week Training Program	An overview of Teaching Techniques in Innovation & Design Thinking	Teaching and Learning	27 <sup>th</sup> To 31 <sup>st</sup> December 2021	VTU Human Resource Centre , Muuddenahalli in Association with AICTE Delhi
23	Prof. M.A. Hipparagi	One Week FDP	Industry 4.0 with Emphasis on Robotics and Automation	Robotics and Automation	21 <sup>st</sup> To 25 <sup>th</sup> February 2022	Association with ISTE and IQAC cell, D.Y. Patil College of Engineering, Akurdi, Pune
24	Dr. K. M. Akkoli	One Week FDP	Renewable Energy For Sustainable Development	Renewable Energy and Resources	1 <sup>st</sup> To 5 <sup>th</sup> March 2022	Bharatratna Indira Gandhi College of Engineering, Solapur
25	Prof. G. M. Zulapi	One Week VGST Sponsored FDP	Software Engineering and Testing Methodologies	Software Engineering and Technology	16 <sup>th</sup> To 19 <sup>th</sup> March 2022	Hirasugar Institute of Technology Nidasoshi
26	Prof. M.I. Tanodi	One Week VGST Sponsored FDP	Software Engineering and Testing Methodologies	Software Engineering and Technology	16 <sup>th</sup> To 19 <sup>th</sup> March 2022	Hirasugar Institute of Technology Nidasoshi
27	Prof. M. A. Hipparagi	One Week VGST Sponsored FDP	Software Engineering and Testing Methodologies	Software Engineering and Technology	16 <sup>th</sup> To 19 <sup>th</sup> March 2022	Hirasugar Institute of Technology Nidasoshi
28	Dr. M. M. Shivashimpi	One Week VGST Sponsored FDP	Software Engineering and Testing Methodologies	Software Engineering and Technology	16 <sup>th</sup> To 19 <sup>th</sup> March 2022	Hirasugar Institute of Technology Nidasoshi



28	Prof. S. A. Goudadi	One Week VGST Sponsored FDP	Software Engineering and Testing Methodologies	Software Engineering and Technology	16 <sup>th</sup> To 19 <sup>th</sup> March 2022	Hirasugar Institute of Technology Nidasoshi
29	Prof. M .S. Futane	One Week VGST Sponsored FDP	Software Engineering and Testing Methodologies	Software Engineering and Technology	16 <sup>th</sup> To 19 <sup>th</sup> March 2022	Hirasugar Institute of Technology Nidasoshi
30	Prof. D. N. Inamdar	One Week VGST Sponsored FDP	Software Engineering and Testing Methodologies	Software Engineering and Technology	16 <sup>th</sup> To 19 <sup>th</sup> March 2022	Hirasugar Institute of Technology Nidasoshi
31	Dr. K. M. Akkoli	One Week VGST Sponsored FDP	Software Engineering and Testing Methodologies	Software Engineering and Technology	16 <sup>th</sup> To 19 <sup>th</sup> March 2022	Hirasugar Institute of Technology Nidasoshi
32	Dr. S. N. Topannavar	One Week VGST Sponsored FDP	Software Engineering and Testing Methodologies	Software Engineering and Technology	16 <sup>th</sup> To 19 <sup>th</sup> March 2022	Hirasugar Institute of Technology Nidasoshi
33	Prof. G. M. Zulapi	One Day Awareness Program	IP Awareness/ Training Prgram	Intellectual Property Rights	12th May 2022	Government of India, Controller General of Patents , Designs and Trade Marks, Kolkata
34	Prof. M. A. Hipparagi	One Day Awareness Program	IP Awareness/ Training Prgram	Intellectual Property Rights	12th May 2022	Government of India, Controller General of Patents , Designs and Trade Marks, Kolkata
35	Dr. M. M. Shivashimpi	One Day Awareness Program	IP Awareness/ Training Prgram	Intellectual Property Rights	12th May 2022	Government of India, Controller General of Patents , Designs and Trade Marks, Kolkata
36	Prof. M .S. Futane	One Day Awareness Program	IP Awareness/ Training Prgram	Intellectual Property Rights	12th May 2022	Government of India, Controller General of Patents , Designs and Trade Marks, Kolkata
37	Prof. D. N. Inamdar	One Day Awareness Program	IP Awareness/ Training Prgram	Intellectual Property Rights	12th May 2022	Government of India, Controller General of Patents , Designs and Trade Marks, Kolkata
38	Dr. K. M. Akkoli	One Day Awareness Program	IP Awareness/ Training Prgram	Intellectual Property Rights	12th May 2022	Government of India, Controller General of Patents , Designs and Trade Marks, Kolkata
39	Dr. S. N. Topannavar	One Day Awareness Program	IP Awareness/ Training Prgram	Intellectual Property Rights	12th May 2022	Government of India, Controller General of Patents , Designs and Trade Marks, Kolkata



## 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
4	Dr. M.M. Shivashimpi	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
5	Prof. B.M. Dodamani	International Journal of Mechanical Engineering	Prince Publishers, A group of London press, Norway
		International Journal of Emerging Technologies and Innovative Research- UGC approved journal	IJ Publication
		International Journal of Emerging Technologies and Innovation Research(JETIR)	JETIR Explore publishers

## 2. 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	Prof. Mahantesh Tanodi Prof. S.G.huddar Mr. Raveendra Janti Mr. Rosan Antannavar Mr. Sarjerao Gawwade Mr. Vishal Patil	Multi Purpose Agro Machine	<b>Journal:</b> International Journal of Creative Research Thoughts <b>Publisher:</b> IJCRT.ORG <b>ISSN Number:</b> 2320-2882 <b>Published on:</b> 29 <sup>th</sup> October 2021 Volume: 9(10) <b>Paper ID:</b> IJCRT2110362 <b>Impact Factor:</b> 7.97	International	1 -3



2	Dr. K. M. Akkoli Dr. N.R. Banapurmath Prof. Suresh G. Dr. Manzoore Elahi Soudagar Dr. T. M. Yunus Khan Prof. Maughal Ahmed Ali Baig Prof. M.A. Mujtaba Prof. Nazia Hossain Prof. Kiran Shahapurkar Prof. Ashraf Elfasakhany Prof. Mishal Alsehli Dr. V. S. Yaliwal Prof. S. A. Goudadi	Effect of Producer Gas from Redgram Stalk and Combustion Chamber Types on the Emission and performance Characteristics of Diesel Engine	<b>Journal:</b> Energies <b>Publisher:</b> MDPI ISSN Number: 1996-1073 <b>Published on:</b> 17 <sup>th</sup> September 2021 <b>Volume:</b> 14 (18) <b>DOI:</b> <a href="https://doi.org/10.3390/en14185879">https://doi.org/10.3390/en14185879</a> <b>Impact Factor:</b> 3.004 <b>Web of Science Core Collection:</b> Science Citation Index Expanded	International	1-17
3	Prof. Eknath N Aitavade Dr. S. C. Kamate	Tribological Characterization of Simarouba Glauca Methyl Ester (SGME) Using Oxide Nanoadditives	<b>Journal:</b> Journal of the Institution of Engineers (India): Series D <b>Publisher:</b> Springer <b>ISSN Number:</b> 22502130 <b>Published on:</b> 31 <sup>st</sup> January 2022 <b>Volume:</b> Special Issue <b>DOI:</b> <a href="https://doi.org/10.1007/s40033-021-00305-x">10.1007/s40033-021-00305-x</a> <b>Impact Factor:</b> 1.42 <b>Link:</b> <a href="https://link.springer.com/article/10.1007/s40033-021-00305-x">https://link.springer.com/article/10.1007/s40033-021-00305-x</a> <b>Web of Science Core Collection:</b> Scopus Indexed	International	1-7
4	Dr. M.M. Shivashimpi Dr. S.A. Alur Dr. N.R. Banapurmath	Exhaust Gas Recirculation as a NOx Reduction Technique for Modified POME Fuelled Diesel Engine	<b>Journal:</b> International Journal of Vehicle Structures & Systems <b>Publisher:</b> Mech Aero Foundation for Technical Research & Education Excellence <b>ISSN Number:</b> 0975-3060 <b>Published on:</b> March 2022 <b>Volume:</b> 14(2) <b>DOI:</b> 10.4273/ijvss.14.2.07 <b>Impact Factor:</b> 0.53 <b>Link:</b> <a href="http://www.maftree.org/eja">www.maftree.org/eja</a> <b>Web of Science Core Collection:</b> Scopus Indexed	International	169 - 173
5	Mr. Basavaras B. Patil Dr. S. N. Topannavar, Dr. K. M. Akkoli, Dr. M. M. Shivashimpi Mr. Sunilkumar S. Kattimani.	Experimental investigation to optimize nozzle geometry and compression ratio along with injection pressure on single cylinder DI diesel engine operated with AOME biodiesel	<b>Journal:</b> International Journal of energy <b>Publisher:</b> Elsevier <b>ISSN Number:</b> 0360-5442 <b>Published on:</b> 7 <sup>th</sup> May 2022 <b>Volume:</b> 254 <b>DOI:</b> <a href="https://doi.org/10.1016/j.energy.2022.124185">https://doi.org/10.1016/j.energy.2022.124185</a> <b>Impact Factor:</b> 7.147 <b>Link:</b> <a href="https://www.sciencedirect.com/science/article/abs/pii/S036054422201088X">https://www.sciencedirect.com/science/article/abs/pii/S036054422201088X</a> <b>Web of Science Core Collection:</b> Science Citation Index Expanded	International	1-11



6	Dr. Gurushanth B Vaggar Dr. S. C. Kamate Dr. S.L.Nadaf	A study on thermal conductivity and thermo gravimetric analysis of glass fiber epoxy resin composites modified with silicon carbide and copper nanoparticles	<b>Journal:</b> International Journal of Materials Today: Proceedings <b>Publisher:</b> Elsevier <b>ISSN Number:</b> 2093-2097 <b>Published on:</b> 24 June 2022 <b>Volume:</b> 64, part 4 <b>Impact Factor:</b> 1.3 <b>DOI:</b> <a href="https://doi.org/10.1016/j.matpr.2022.06.230">https://doi.org/10.1016/j.matpr.2022.06.230</a> <b>Web of Science Core Collection:</b> Scopus Indexed	International	1571 - 2650
7	Prof. Gajanan M. Naik Prof. M.A. Hipparagi Prof. Sadashiv Bellubbi Prof. Abhinaba Roy Prof. Anjan B.N. Prof. Ramesh S Prof. Nrendranath S.	A Study on Dimensional Analysis Modeling of Crater Size during Wire Electrical Discharge Turning Process by Using Buckingham Pi Theorem	<b>Journal:</b> International Journal of Materials Today: Proceedings <b>Publisher:</b> Elsevier <b>ISSN Number:</b> 2093-2097 <b>Published on:</b> 21 <sup>st</sup> July 2022 <b>Impact Factor:</b> 1.3 <b>Web of Science Core Collection:</b> Scopus Indexed	International	1-10
8	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 Link: <a href="https://link.springer.com/article/10.1007/s13762-022-04397-0#citeas">https://link.springer.com/article/10.1007/s13762-022-04397-0#citeas</a> <b>Web of Science Core Collection:</b> Science Citation Index Expanded	International	1-22

### 3. 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	Prof. M.A. Hipparagi	Modelling of Crater size during Wire Electrical Discharge Turning Process by Using Buckingham Pi Theorem	<b>Name of Conference :</b> International Conference on Recent Advances in Engineering Materials (ICRAEM 2022) <b>Conference Date:</b> 03-05 March 2022 <b>Name of Conference Organizer:</b> Alva's Institute of Engineering & Technology, Moodbidri, Karnataka, India	International



2	Dr. S.C. Kamate	A Study on Thermal Conductivity and Thermogravimetric Analysis of Glass Fiber Epoxy Resin Composites Modified with Silicon Carbide and Copper Nanoparticles	<b>Name of Conference :</b> International Conference on Recent Advances in Engineering Materials (ICRAEM 2022) <b>Conference Date:</b> 03-05 March 2022 <b>Name of Conference Organizer:</b> Alva's Institute of Engineering & Technology, Moodbidri, Karnataka, India	International
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#### 4. Funded Projects

Sl. No.	Faculty	Title	Funded by	Amount in Rs.
1	Dr. S. N. Topannavar	Study on Performance Characteristics of variable compression ratio (VCR), common Rail Direct engine with exhaust Gas Recirculation to suggest best alternative fuels"	VGST under K-FIST L1 Government of Karnataka	10 Lakh
2	Dr. S. N. Topannavar	Advance Solar Dryer	Unnat Bharat Abhiyan a flagship program of MOE, GOI. Central Government of India	01 Lakh

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

Name of Faculty	Subject	Subject Code	Semester
Prof. B. M. Dodamani	Mechanical Measurements and Metrology	18ME36B	III
Prof. M. A. Hipparagi	Metal Casting and Welding	18ME35B	
Prof. S.J. Walki	Environmental Studies	18CIV59	V
Prof. M. S. Futane	Computer Aided Design and Manufacturing	18ME72	VII
Prof. M. S. Futane	Mechatronics	18ME744	
Prof. M. M. Shivashimpi	Total Quality Management	18ME734	
Dr. S.N. Topannavar	Fluid Mechanics	18ME43	IV
Prof. MahanteshTanodi	Kinematics of Machines	18ME44	
Prof. M. A. Hipparagi	Metal Cutting and Forming	18ME45A	
Prof. MahanteshTanodi	Computer Aided Machine Drawing	18ME46A	
Prof. Girish M Zulapi	Non Traditional Machining	18ME641	VI
Prof. S. A. Goudadi	Finite Element Methods	18ME61	
Prof. P.G. Patil	Programming in Java	18CS653	
Prof. M. M. Shivasimpi	Energy Engineering	18ME81	VIII
Prof. M. S. Futane	Automobile Engineering	18ME824	



## PLACEMENTS

 <b>Mr.Sacheen Patil</b> 1. Infosys Limited 2. Aequs Private Limited 3. Qspiders, Bengaluru	 <b>Mr.Aditya Kalbhar</b> Infosys Limited	 <b>Mr.Madan Rayar</b> 1. Aequs Private Limited 2. Palle Technologies	 <b>Mr.Prashant Kambar</b> 1. Qspiders, Bengaluru	 <b>Mr.Babasab Bagashahi</b> 1. Aequs Private Limited 2. KodNest Technologies Pvt Ltd, Bengaluru
 <b>Mr.Nikhil U Shettnavar</b> Qspiders, Bengaluru	 <b>Mr.Maibub Mulla</b> Qspiders, Bengaluru	 <b>Mr.Shridhar Koravi</b> Qspiders, Bengaluru	 <b>Mr.Shridhar Mudigoud</b> Qspiders, Bengaluru	 <b>Mr.Abhijit Anil Patil</b> Qspiders, Bengaluru
 <b>Mr.Siddharth V Patil</b> Aequs Private Limited	 <b>Mr.Shravan Kurani</b> Pentagon Space Pvt Ltd	 <b>Mr.Mahantesh Hiremath</b> KodNest Technologies Pvt Ltd, Bengaluru	 <b>Mr.Nikhil Nandigon</b> KodNest Technologies Pvt Ltd, Bengaluru	 <b>Mr.Sourabh Mole</b> KodNest Technologies Pvt Ltd, Bengaluru
 <b>Miss.Sumitra Shinde</b> KodNest Technologies Pvt Ltd, Bengaluru	 <b>Mr.Sunil Kuligod</b> KodNest Technologies Pvt Ltd, Bengaluru	 <b>Mr.Vivekananda Kambi</b> 1. KodNest Technologies Pvt Ltd, Bengaluru	 <b>Mr.Akash B Upadhye</b> Tap Academy	 <b>Mr. Ravi Magadum</b> Infosys Limited



## PLACEMENTS PARTNERS AND MOU

1	Kalyani Forge Limited	
2	AEQUS India Ltd	
3	Tech Mahindra	
4	Jindal steels Limited	
5	Extramarks Pvt Ltd.	
6	L&T	
7	Creators Technology Solution, Nagpur	
8	Technologies Global Pvt. Ltd, Bengaluru	
9	Ms. Smart Brains Engineers & Technologist Pvt. Ltd, Bengaluru	
10	ABC, Bengaluru	
11	BOSCH Limited	
12	BMM Limited	
13	Micromaticc grinding	
14	Triveni Turbines	
15	Kamdhenu Group	
16	Tech Fortune Technologies, Bengaluru	
17	BYJU's	
18	SLK Softwares, Bengaluru	
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.**



## AIROCHEM

Engineering Company



## KONARK

HEAT SYSTEM

## RAJEEV

& Company

RAJEEV & CO  
KAVAATA VALVES



## BOSCH

## TECH FORTUNE

we stand for excellence

## Greintors

come...let's grow

## Enthalpy Research & Innovation Center LLP



## PROUD ENTREPRENEUR



**Mr. Shivaprasad Janardhan Shivagiri**  
Founder and Director at Reverse Minds LLP, Belagavi

### Brief About Company:

Reverse Minds is a technology driven organization that focuses on Reverse Engineering and New product development. We have expertise in 3D Scanning, Reverse Engineering, CMM Inspection, 3D modelling and 3D printing. We provide services to engineering sector as well as other sectors too. We believe in complete customer satisfaction. With the team of enthusiastic and experienced engineers, our main focus is to deliver projects with international standards and also thrive to fulfill customers goals with all the latest technology available.

We started with an idea to bridge the gap between product planning to product realization by using our excellence in engineering design, reverse engineering, rapid prototyping and 3D inspection abilities. Headquartered in udyambag industrial area of Belgaum with Corporate Office in Bangalore, We provide services in all major industrial clusters of India and remote overseas support. We ensure cost-effective, time-to-market solutions through a highly motivated skilled workforce driven by strong design principles, highest levels of quality and ethical business practices.





## 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 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**  
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



Mr. Vivekananda Kambi, AIMSS Secretary is delivering the welcome speech during the Well Come Function for Fresher's on 28<sup>th</sup> October 2021.



Mr. Vinayak Kadakbhavi, Executive HR AEQUS Engineered Plastic Private Limited, Hattargi is inaugurating the AIMSS Activities AY: 2021-22 during a function on 28<sup>th</sup> October 2021.



Mr. Vinayak Kadakhbavi, Executive HR AEQUS Engineered Plastic Private Limited, Hattargi is distributing prizes to students during the function on 28<sup>th</sup> October 2021.



Mr. Vinayak Kadakhbavi, Executive HR AEQUS Engineered Plastic Private Limited, Hattargi is interacting with students on the occasion of a talk on HR Interaction with students held on 28<sup>th</sup> October 2021.



Celebration of Extension Activity on Appu Amar to sensitize the students and staff towards Universal Human Values held on 13<sup>th</sup> November 2021.



Dr. P. P. Revankar, Professor, KLE Technological University, Hubli is delivering the Technical Talk on Recent Trends in Thermal Engineering held on 13<sup>th</sup> November 2021.



Dr. N. R. Banapurmath, Professor, Head of Centre for Materials Studies, KLE Technological University, Hubli is delivering the Technical Talk on Nano Fluids for Radiator Coolant & Engine Applications held on 13<sup>th</sup> November 2021.



Staff and students are attended the Technical Talk on Recent Trends in Thermal Engineering and Nano Fluids for Radiator Coolant & Engine Applications held on 13<sup>th</sup> November 2021.



Mr. Niesh B. Chougule, Chairman & Managing Director, Creintors Group of Companies, Belagavi, is interacting with students on the occasion of a Technical Talk on Robotics and Automation held on 17<sup>th</sup> November 2021.



Mrs. Disha N. Chougale, Director, Creintors Automation Solutions Private Limited, Belagavi is interacting with students on the occasion of a Technical Talk on Robotics and Automation held on 17<sup>th</sup> November 2021.





Dr. S. C. Kmate, Professor and Principal, Hirasugar Institute of Technology, Nidasoshi is addressing the students and staff on the occasion of a Technical Talk on Robotics and Automation held on 17<sup>th</sup> November 2021.



Staff and students are attended the Technical Talk on Robotics and Automation held on 17<sup>th</sup> November 2021.



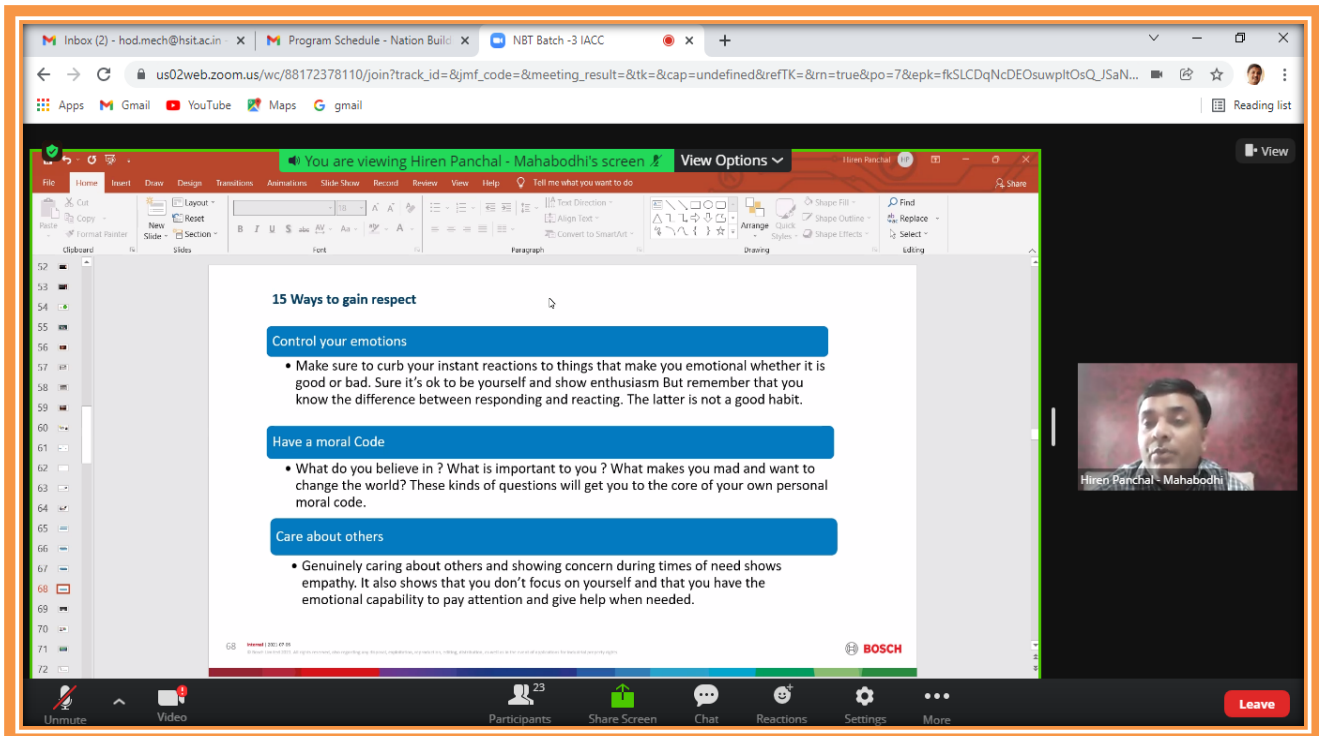
Prof. D .N. Inamdar, Assistant Professor, Mechanical Engineering Department, Hirasugar Institute of Technology, Nidasoshi is briefing about Awareness Session on Importance of Personality Diagnostic Test and its Outcomes for third-semester students held on 6<sup>th</sup> December 2021.



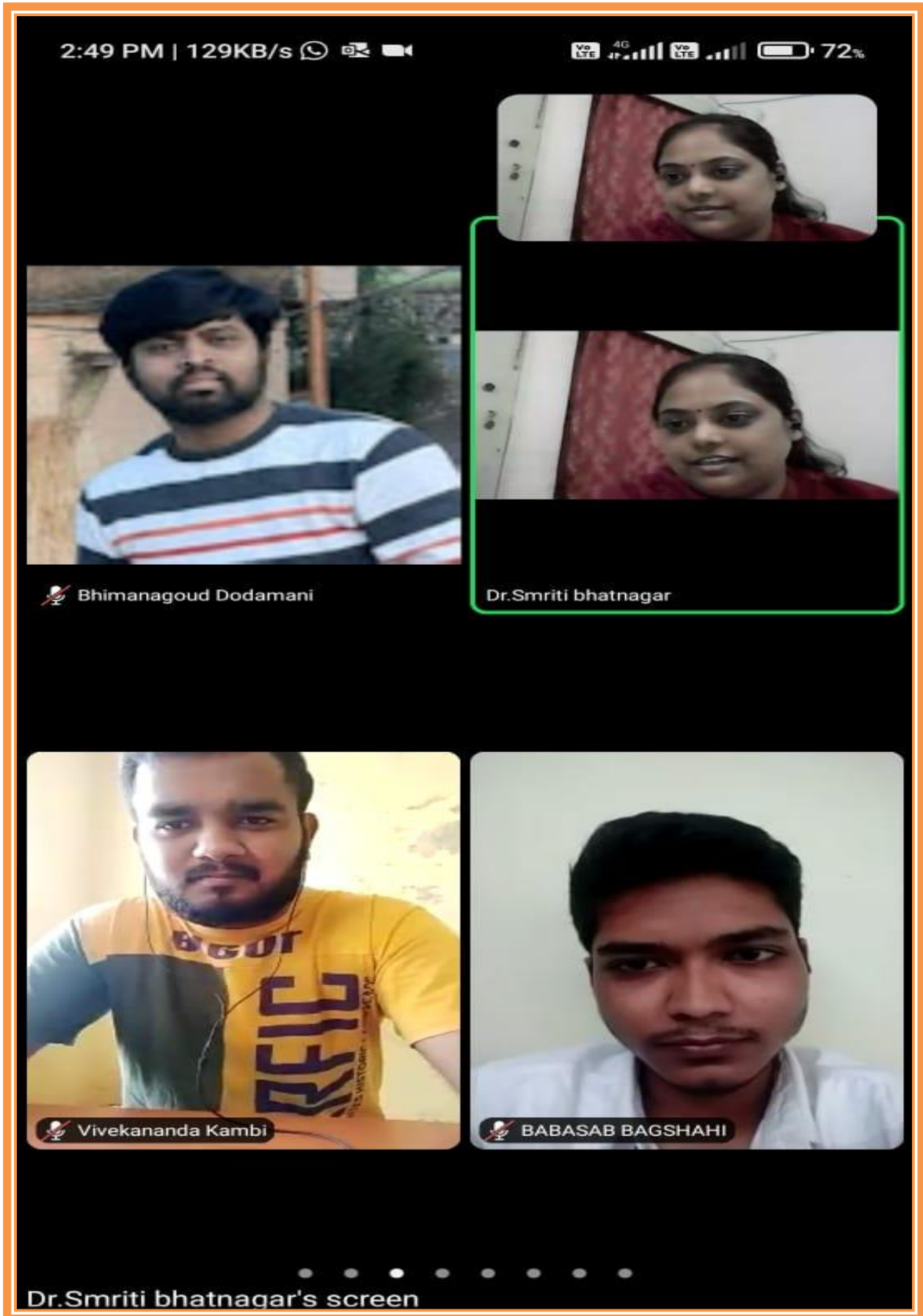
Mr. Rajesh Kumar Maurya, Airport Director, Airport Authority of India, Belagavi Airport, Sambra Belagavi is delivering the seminar on Modernization of Belagavi Airport & Career Opportunities held on 11<sup>th</sup> December 2021.



Student and staff are present during the seminar on Modernization of Belagavi Airport & Career Opportunities on 11<sup>th</sup> December 2021 in Mechanical Seminar Hall.



Mr. Hiren Panchal, CSR & Skill Development, Social Engagement Cell Bosh India Private Limited Bangalore is delivering a Virtual Training Programme on Nation Building Attitudes & Behaviors under CSR held from 13<sup>th</sup> to 17<sup>th</sup> December 2021.



Students participated in the Virtual Training Programme on Nation Building Attitudes & Behaviors under CSR held from 20<sup>th</sup> to 24<sup>th</sup> December 2021.



Mr. Nitin Naik, Founder and CEO, Tecnophilia, Sangli is delivering One day workshop on Entrepreneurship held on 21<sup>st</sup> December 2021.



Staff and students are attending the One day workshop on Entrepreneurship held on 21<sup>st</sup> December 2021.



Mr. Dhondibha Chougale, Hitachi Astemo FIE Private Limited, Pune is delivering a Technical Talk on Fuel Injection System & Engine Basics held on 3<sup>rd</sup> January 2022.



Staff and students are attended the Technical Talk on Fuel Injection System & Engine Basics held on 3<sup>rd</sup> January 2022.



Students are presenting the poster presentation on Theme: Energy & Its economics held on 20<sup>th</sup> January 2022.



Prize winners of poster presentation competition on Theme: Energy & Its economics held on 20<sup>th</sup> January 2022.

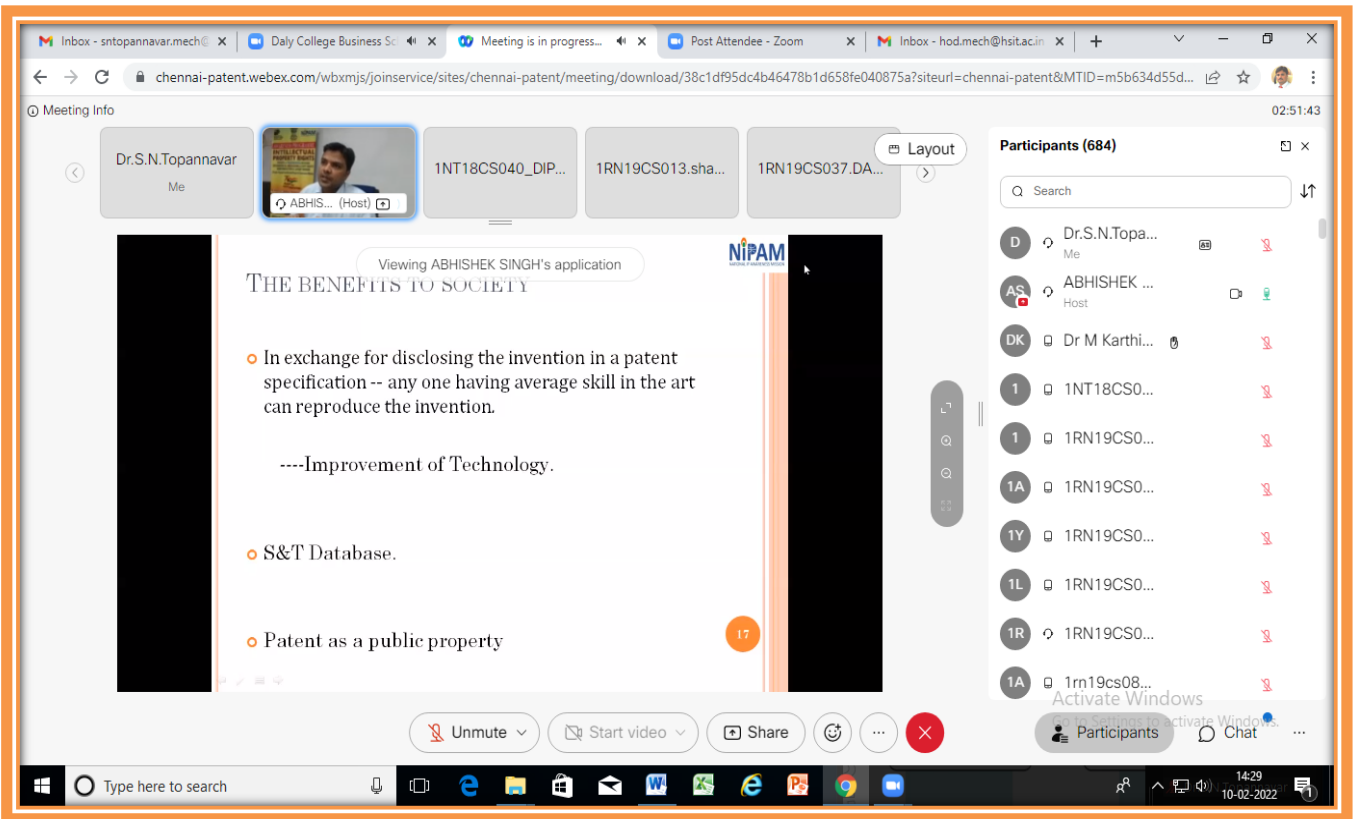


Mr. Pramod Parit, Senior Executive HR, Creintors Automation Solutions Private Limited, Belagavi is interacting with students on the occasion of the Awareness Programme on Creintor's Driven Course on Multidisciplinary Skilled Live Projects held on 21<sup>st</sup> January 2022.



Dr. S. N. Topannavar, Professor and HOD, Mechanical Engineering Department, Hirasugar Institute of Technology, Nidasoshi is addressing the students and staff on the occasion of the Awareness Programme on Creintor's Driven Course on Multidisciplinary Skilled Live Projects held on 21<sup>st</sup> January 2022.





Mr. Arnab Bhattacharyya, Examiner of Patents and Designs (Gr 'A' Gazetted) and Officer, NIPAM, Patent office Kolkata is delivering the Intellectual Rights Awareness Programme on held on 12<sup>th</sup> May 2022.



Staff and students are attended Industry Visit at Hidkal dam power plant, Hidkal held on 14<sup>th</sup> February 2022.



Staff and students attended an Industry Visit at Sangam Sugar Factory, Hidkal held on 14<sup>th</sup> February 2022.



Mr. N.P. Bannibagi, ISDS, Assistant Director, Ministry of Skill Development and Entrepreneurship and Doctorate General of Training National Skill Training Institute Government of India is delivering a technical talk on Robot application in the Automotive Industry held on 4<sup>th</sup> March 2022.



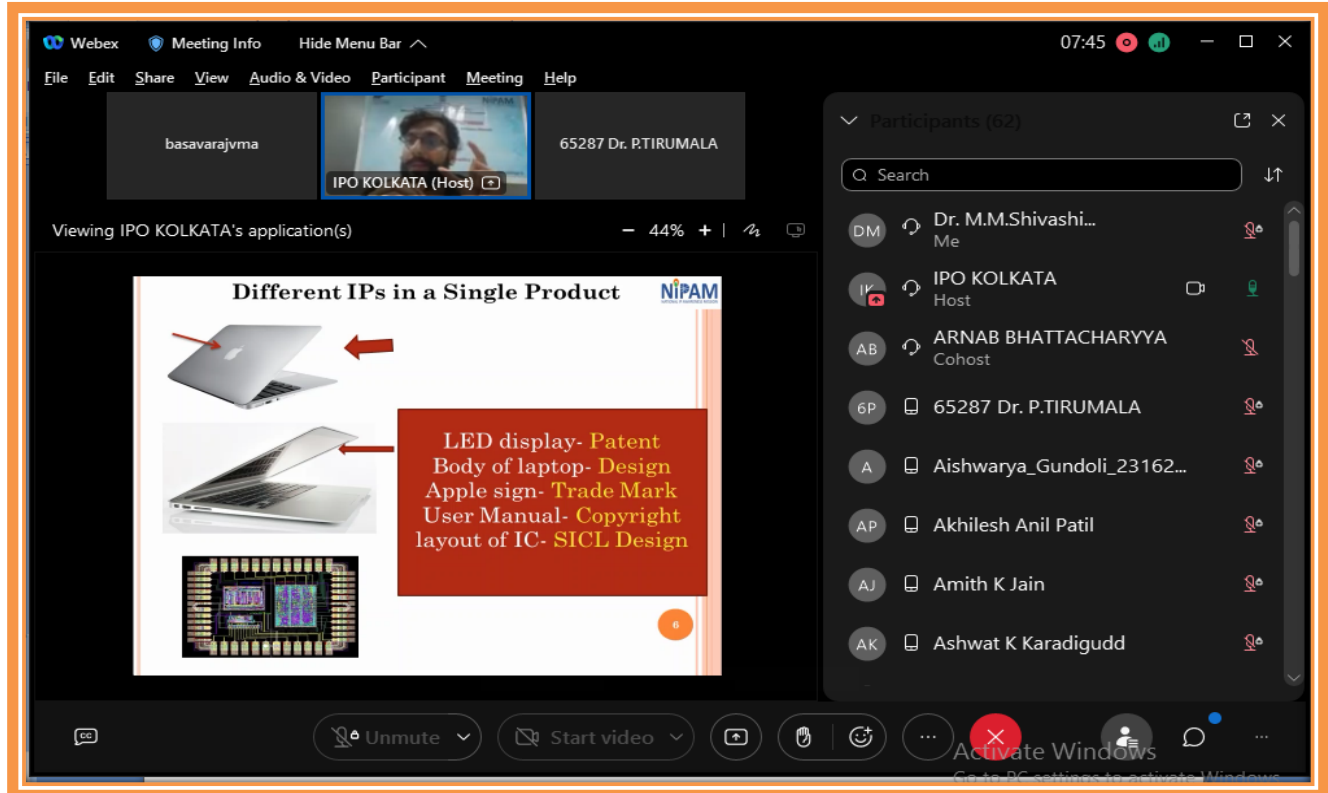
Staff and students attended the Technical Talk on Robot application in Automotive Industry held on 4<sup>th</sup> March 2022.



Mr. Pralhad Kulkarni, Agile Project management Office Transformation Consultant, Bosch Global Software Technologies, Private Limited Bangalore interacting with students on the occasion of Technical Talk on Design Thinking held on 19<sup>th</sup> March 2022.



Dr. S.N. Topannavar, Professor and HOD, Mechanical Engineering Department, HIT Nidasoshi interacted with students on the occasion of a talk on Tips to Excel in VTU – Semester End Examination (SEE) and Related Grievances held on April 20<sup>th</sup> 2022.



Mr. Arnab Bhattacharyya, Examiner of Patents and Designs (Gr 'A' Gazetted) and Officer, NIPAM, Patent office Kolkata is delivering the Intellectual Rights Awareness Programme held on 12<sup>th</sup> May 2022.



Mr. Rajeev Rao, Entrepreneur, Rajeev & Rao Company, Belagavi is delivering about working of valves during Industry Visit held on 4<sup>th</sup> June 2022.



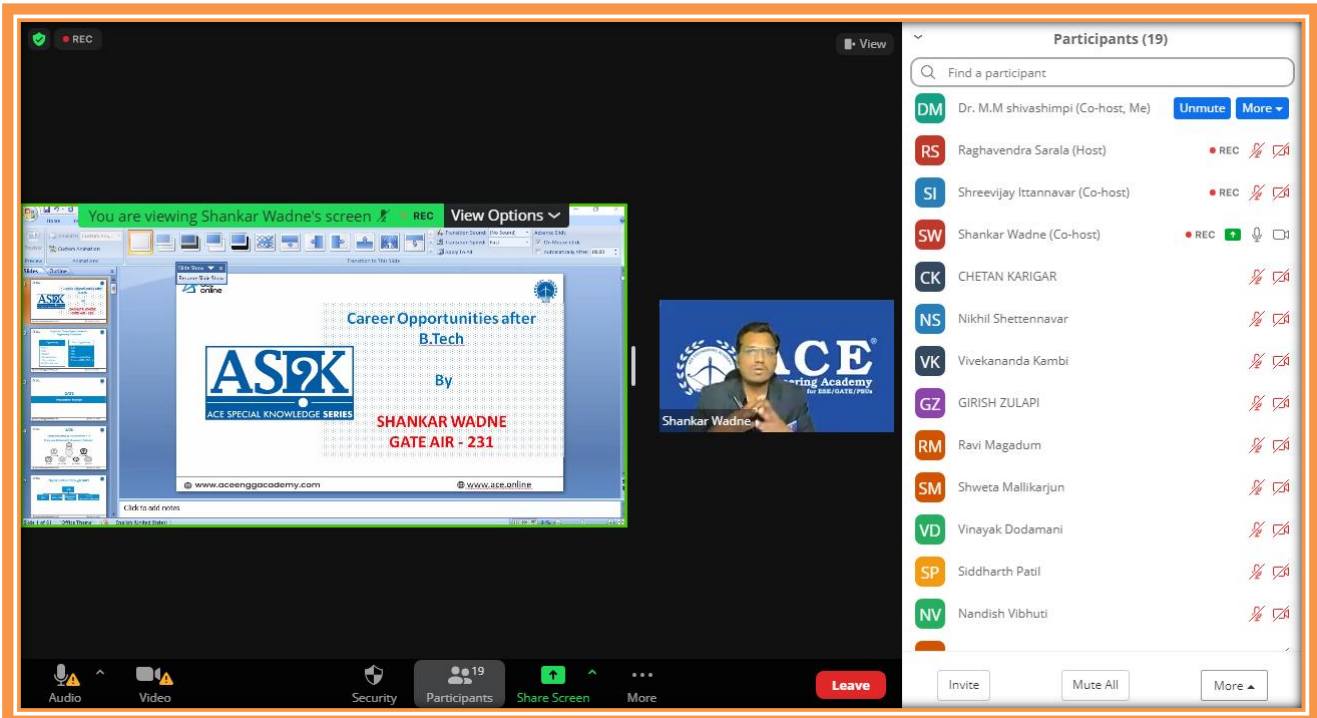
Staff and students attended an Industry Visit at Rajeev & Rao Company, Belagavi held on 4<sup>th</sup> June 2022.



Staff and students attended an Industry Visit at Divgi Industries Private Limited, Sirsi held on 4<sup>th</sup> June 2022.



Prof. Santosh Ternimath, Associate professor Annapoorna Institute of Management Research, Sankeshwar is interacting with students on the occasion of the Workshop on Complete Entrepreneurship Optimization held on 8<sup>th</sup> June 2022.



Mr. Shankar Jarashandh Wadne, Faculty Member, ACE Academy, Hyderabad is delivering a talk on Career opportunities after B.Tech held on 16<sup>th</sup> June 2022.



Mr. Praveenkumar Tanodi, Senior Manager, Quest Global Bangalore and Prof. Sunilkumar Kattimani, HOD, Mechanical Engineering Department, SJPN Trust's Polytechnic, Nidasoshi are interacting and evaluating the student project during Mini-Project Exhibition-2022 held on 7<sup>th</sup> July 2022.



Mr. Praveenkumar Tanodi, Senior Manager, Quest Global Bangalore and Prof. Sunilkumar Kattimani, HOD, Mechanical Engineering Department, SJPN Trust's Polytechnic, Nidasoshi are distributing certificates to prize winners during Mini-Project Exhibition-2022 held on 7<sup>th</sup> July 2022.



Dr. Jagadeesha R Bhat, Assistant professor, Indian Institute of Information Technology Dharwad, Execom member, IEEE North Karnataka Subsection is delivering Workshop on Higher Education in Foreign Universities: Scope, preparation, and scholarships held on 8<sup>th</sup> July 2022.





Prof. A.R. Bhavimani, Lecturer, Mechanical Engineering Department, SJPN Trust's Polytechnic, Nidasoshi and Prof. S. M. Mathapathi, Lecturer, Mechanical Engineering Department, SJPN Trust's Polytechnic, Nidasoshi are interacting and evaluating the student project during Project Exhibition-2022 held on 8<sup>th</sup> July 2022.



Prof. A.R. Bhavimani, Lecturer, Mechanical Engineering Department, SJPN Trust's Polytechnic, Nidasoshi and Prof. S. M. Mathapathi, Lecturer, Mechanical Engineering Department, SJPN Trust's Polytechnic, Nidasoshi are distributing the certificates to prize winners during Project Exhibition-2022 held on 8<sup>th</sup> July 2022.



All the staff and students are felicitated to best outgoing student in the Boy category as Mr. Siddharth V. Patil and best outgoing student in the Girl Category as Miss. Sumitra P Shinde during ALOHA Farewell Function -2K22 held on 22<sup>nd</sup> July 2022.



Prof. M. A. Hipparagi, Assistant Professor, Mechanical Engineering Department, HSIT Nidasoshi is distributing Special prize to Mr. Sacheen Patil, for selecting in the Infosys MNC Company Bangalore during Campus Interview on the occasion of ALOHA Farewell Function -2K22 held on 22<sup>nd</sup> July 2022



The group Photo of staff and Final Year Outgoing students of Mechanical Engineering Department on the occasion of ALOHA Farewell Function -2K22 held on 22<sup>nd</sup> July 2022.



Dr. K. M. Akkoli, Associate Professor, Mechanical Engineering Department, HSIT Nidasoshi is distributing book to Mr. Siddharth V. Patil, for Internal Assessment Topper during AY: 2021-22 held on 22<sup>nd</sup> July 2022.



Dr. S. N. Topannavar Professor and HOD , Mechanical Engineering Department, HSIT Nidasoshi is distributing prize certificate to students who have winner in the project exhibition -2022 held on 22<sup>nd</sup> July 2022.



Prof. G. B. Sangote, Professor, Mechanical Engineering Department, SJPN Trust's Polytechnic, Nidasoshi is the chief guest of the function and addressing the polytechnic students on occasion of Future Tech -2022, A Technical Competitions for Polytechnic Students held on 29<sup>th</sup> July 2022.



The participants from various polytechnic students are participated in TURN-IT competition on the eve of Future Tech -2022, A Technical Competitions for Polytechnic Students held on 29<sup>th</sup> July 2022.



Winners of event are receiving certificates and cash prizes from Jury members on the eve of Future Tech -2022, A Technical Competitions for Polytechnic Students held on 29<sup>th</sup> July 2022.



Mr. Sanjay Arali, CEO, Techno connect Hub, Pune is interacting with staff and students on occasion of talk on Career Guidance Awareness Programme on SAP held on 26<sup>th</sup> August 2022.



Facilitation by staff and students to Dr. M. M. Shivashimpi, Associate Professor, Mechanical Engineering Department for Award of Ph.D. degree in the Research Centre of Mechanical Engineering Department, HSIT Nidasoshi, VTU Belagavi.



Blood Donation Drive jointly organized by one Nation Youth and Hirasugar Institute of Technology's NSS Cell on 24<sup>th</sup> November 2021 in Gymkhana Hall HIT Nidasoshi. Mr. Mahantesh Vakkund Social Entreprenurer Belagavi, Dr. Abhijit Musale Consultant Urologist, Sri Sathya Sai Multi Specialist Hospital Chikodi and Dr. S.C. Kamate Principal HSIT Nidasoshi are present in the drive.



CRDI Engine Demonstration and Installation in Energy Conversion Lab, the Rs. 10 Lakh equipment procured by VGST Government of Karnataka under K-FIST L1. The Programme coordinator is Dr. S. N. Topannavar, Professor and HOD, Mechanical Engineering Department, HSIT Nidasoshi



Academic Audit for the AY: 2021-22 is conducting on 28<sup>th</sup> February 2023, Dr. P.P. Revankar, Professor, School of Mechanical Engineering Department, KLE Technological University, Hubballi and Prof. Ravi Hosamani, Regional Chair, IEEE Hubballi are Auditing the Department Curriculum and Extracurricular Activities.



Facilitation by Shriman Niranjana Jagadguru Pancham Shri Shivalingeswar Maha Swamiji to Dr. S.N. Topannavar, Professor and HOD, Mechanical Engineering Department, HSIT Nidasoshi for Award of Ph.D. degree in the Research Centre of Mechanical Engineering Department, BEC Bagalkot, VTU Belagavi.





Facilitation by Shriman Niranjan Jagadguru Pancham Shri Shivalingeswar Maha Swamiji to Dr. M. M. Shivashimpi, Associate Professor, Mechanical Engineering Department, HSIT Nidasoshi for Award of Ph.D. degree in the Research Centre of Mechanical Engineering Department, HSIT Nidasoshi, VTU Belagavi.



Shriman Niranjan Jagadguru Pancham Shri Shivalingeswar Maha Swamiji is addressing and blessing to final year students on occasion of Annual Social Gathering held on 23<sup>rd</sup> July 2022.



Miss. Anjana Hunachyali receiving cash prize and certificate by Shriman Niranjan Jagadguru Pancham Shri Shivalingeswar Maha Swamiji for higher academic performance in the AY: 2022 on occasion of HSIT SAMBHRAMA 2022 on 23<sup>rd</sup> July 2022



Celebration Kannada Habba by all staff and student on occasion of HSIT SAMBHRAMA 2022 on 23<sup>rd</sup> July 2022



Kannada Habba Celebration by staff members on occasion of HSIT SAMBHRAMA 2022 held on 23<sup>rd</sup> July 2022



Traditional Day Celebration by students on occasion of HSIT SAMBHRAMA 2022 held on 23<sup>rd</sup> July 2022



Participation of students in Cultural Activities on occasion of HSIT SAMBHRAMA 2022 held on 23<sup>rd</sup> July 2022



Mr. Vivekanand Kambi is expressing feedback about HSIT Nidasoshi during Hostel Farewell Function.



Celebration World Environmental Day by Dr. S.C. Kamte, Principal HSIT Nidasoshi, staff and students held on 5<sup>th</sup> June 2022



Staff and students are participated in International Yoga Day Organized in our campus on 26<sup>th</sup> June 2022



Staff and students are Celebrating of 75<sup>th</sup> Independence Day Azadi Ka Amrut Mahotsav on 15<sup>th</sup> August 2022



Staff and students are Celebrating Red Cross Day on 8<sup>th</sup> May 2022



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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 2021-22



**Mechanical Engineering Department**