



Shree. Shamrao Patil (Yadavkar) Educational & Charitable Trust's  
**SHARAD INSTITUTE OF TECHNOLOGY**  
**COLLEGE OF ENGINEERING**  
"A Grade Accredited by NAAC"  
NBA Accredited Programs, An Autonomous Institute

DEPARTMENT OF MECHANICAL ENGINEERING 2022-23

# APEX

## A NEWSLETTER

Vol-01, Issue-01



**Hon. Dr. Rajendra Patil (Yadavkar)**  
Chairman  
Shri Shamrao Patil (Yadavkar)  
Education & Charitable Trust



**Hon. Mr. Anil Bagane**  
Executive Director  
Shri Shamrao Patil (Yadavkar)  
Education & Charitable Trust



**Dr. S.A. Khot**  
Principal



**Dr. S. D. Patil**  
HOD, Mechanical

### THEMES INSIDE

SMART INDIA HACKATHON

TATA TECHNOLOGY ACTIVITY

ISHRAE ACTIVITY

PBL ACTIVITY

FACULTY DEVELOPMENT  
PROGRAM

# Smart India Hackathon-22

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## Runner up in national level SIH competition:

Very excited and glad to share you that the team Dynamics\_6 guided by Mr. A S N Husainy and Mr. A S Udgave secured first runner up in Smart India Hackathon-2022 under the problem statement sports and fitness given by AICTE and MIC.

The Student team included

Mr. Shubham Powar ( Mech),

Mr. Aditya Amane (Mech) ,

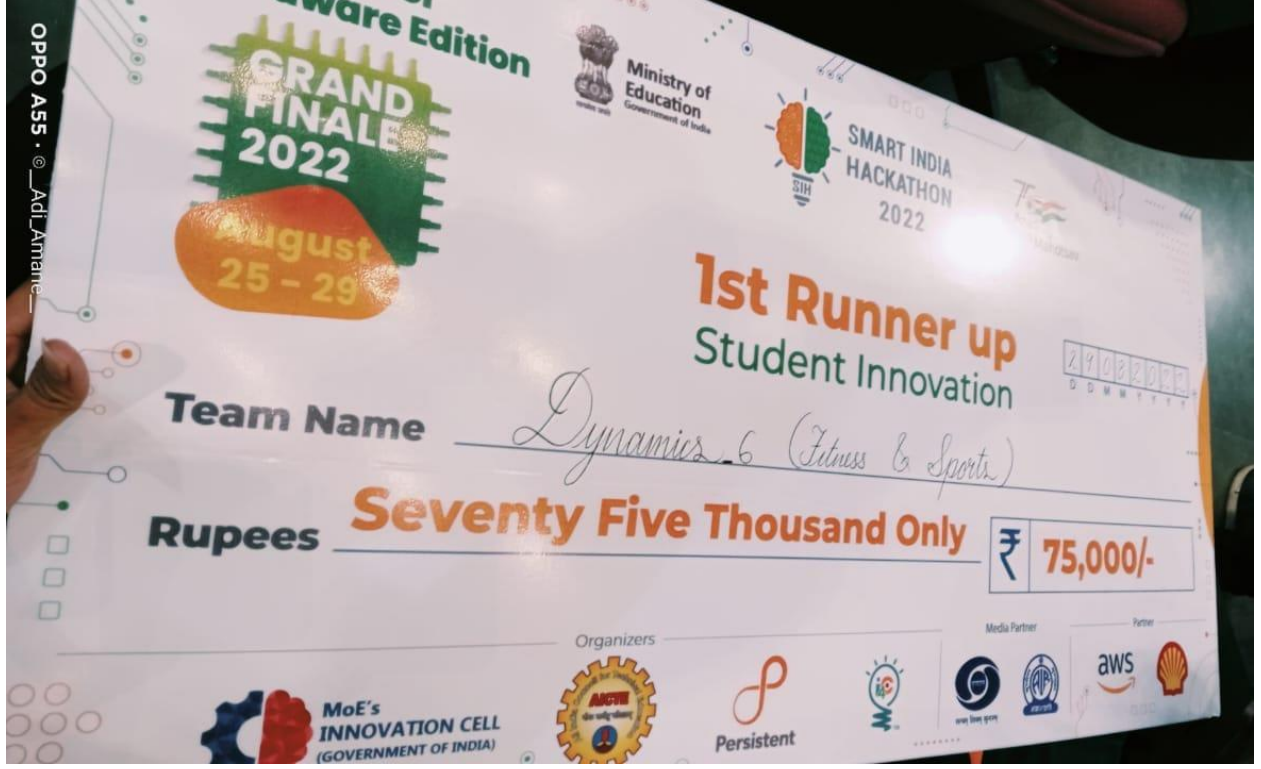
Miss. Diya Sanadi (Mech) ,

Mr. Arun Kagwade (Mech),

Mr. Suraj Lal (Mech)

Miss. Poonam Chougule (Mechatronics)





## लोकमत

स्मार्ट इंडिया हॅकथॉन स्पर्धा : चार संघ सहभागी

# 'शरद'ला देशपातळीवरील प्रोजेक्ट स्पर्धेत दोन पारितोषिके

लोकमत न्यूज नेटवर्क यज्ञाव : स्मार्ट इंडिया हॅकथॉन-२०२२ या राष्ट्रीय स्तरावरील स्पर्धेत शरद इन्स्टिट्यूट ऑफ टेक्नॉलॉजी कॉलेज ऑफ इंजिनिअरिंगच्या विद्यार्थ्यांच्या दोन संघांनी देशात द्वितीय क्रमांकाचे पारितोषिक मिळविले. व्हेनॉक आणि पॅरॉलिम्पिक व्हीलचेअर हे प्रोजेक्ट विजेते ठरले.

देशभरात ७५ शहरात या स्पर्धा झाल्या. भारत सरकार शिक्षण मंत्रालय, शिक्षण मंत्रालय इनोव्हेशन सेल व एआयसीटीई यांनी स्पर्धा आयोजित केल्या होत्या. नामांकित कंपन्यांनी ५६३ समस्यांचे उपाययोजना

(प्रॉब्लेम स्टेटमेंट) मागविले होते. त्यामध्ये देशभरातून ३० हजारपेक्षा अधिक संघ सहभागी झाले होते. त्यांनी विविध समस्यांवर नवीन संकल्पना व समस्यांचे उपाययोजना सादर केल्या.

शरद इन्स्टिट्यूटच्या विद्यार्थ्यांनी चेन्नई, बेंगळूरु, पुणे आणि भोपाळ येथील स्पर्धेत सहभाग घेतला. पुणे येथील स्पर्धेत मेकॅनिकलच्या शुभम पोवार, आदित्य आमणे, दिया सनदी, सूरज लाल, अरुण कागवाडे, पूनम चौगुले यांनी 'स्पोर्ट्स अॅण्ड फिटनेस' विभागात पॅरॉलिम्पिक व्हीलचेअर' हा हार्डवेअर प्रोजेक्ट सादर केला.

भोपाळ येथे सिव्हिलच्या ऋषभ



यज्ञाव (ता. शिरोळ) येथे अनिल बागणे यांनी विजेत्या संघाचे व प्राध्यापकांचे अभिनंदन केले.

सुतार, सुमित वेदपाठक, ऑंकार सातारले, प्रथमेश मगदूम, ऋत्विक् कुटवाडे, ऋतुजा कुटवाडे यांनी 'रिनिव्हेबल अॅण्ड सस्टेनेबल एनर्जी' विभागात 'व्हेनॉक' हा सॉफ्टवेअर

प्रोजेक्ट सादर केला. या दोन्ही प्रोजेक्टला देशपातळीवर दुसरा क्रमांक मिळाला. विजेत्या संघांना ७५ हजार रुपयांचे बक्षीस मिळाले.

विद्यार्थ्यांना प्रा. अवेसअहेमद

हुसेनी, प्रा. मनाली साबळे, प्रा. आशिष उदगावे, प्रा. संग्राम दोपारे, प्रा. विनोद नेजकर, प्रा. आशिष देसाई, प्रा.प्रवीण यादव, एसआयएच समन्वयक प्रा. धनश्री बिरादार यांचे मार्गदर्शन लाभले.

# TATA TECHNOLOGY AND GOSHIMA FUNDING PROJECT:

## IDEA ACCELERATOR PROGRAM



Students from Mechanical engineering department of Sharad Institute of Technology got fund of Rs. 50000 from \*TATA Technology\* The project entitled, Development of wheelchair for Paralympic sports person to reduce pressure ulcer by heat pipe, under the theme \*Innovation Idea Accelerator Program.\* This idea is guided by Mr. A S N Husainy sir. Students involved in this project are Suraj Lal, Aditya Amame, Diya Sanadi, Shubham Powar, Arun Kagwade, Poonam Chougule, Rajeshree Shinde.

Students has received 20,000 Rs fund for phase 1 work implementation.

## ‘शरद’च्या संकल्पनेची ‘टाटा’कडून निवड

मानवी शरीरातील उष्णतेवर प्रकल्प : ‘मेकॅनिकल’च्या विद्यार्थ्यांचे यश

लोकमत न्यूज नेटवर्क  
यझाव : येथील शरद इन्स्टिट्यूट ऑफ  
टेक्नॉलॉजी कॉलेज ऑफ  
इंजिनिअरिंगच्या मेकॅनिकल  
विभागातील विद्यार्थ्यांनी ‘इनोव्हेटिव्ह  
आयडिया अॅक्सिलरेटर प्रोग्रॅम’अंतर्गत  
सादर केलेली संकल्पना पुढील  
संशोधनासाठी टाटा टेक्नॉलॉजीने  
निवडली. टाटा आणि गोशिमा (गोकुळ  
शिरगाव इंडस्ट्रियल मॅन्युफॅक्चरिंग  
असोसिएशन) यांच्यावतीने या स्पर्धांचे  
आयोजन केले होते.

मेकॅनिकल विभागातील सुरज  
लाल, शुभम पोवार, आदित्य आमणे,  
अरुण कागवाडे, दिया सनदी, पूनम  
चौगुले, राजश्री शिंदे या विद्यार्थ्यांनी  
‘रेट्रोफिट ऑन व्हीलचेअर फॉर  
पॅरालंपिक स्पोर्ट्स पर्सन विथ

### बेलेवाडीत नियमित पाणीपुरवठा करा

लोकमत न्यूज नेटवर्क  
भादवण : बेलेवाडी गावाला नियमित



यझाव येथे यशस्वी विद्यार्थ्यांचा सत्कार करण्यात आला. यावेळी अनिल बागणे,  
डॉ. एस. डी. पाटील, प्रा. अवेस अहेमद हुसेनी उपस्थित होते.

ऑप्लिकेशन ऑफ हिट पाइप’ ही  
संकल्पना सादर केली. ही संकल्पना  
पॅरालंपिक स्पोर्ट्समन व अपंग  
व्यक्तींना उपयोगी आहे. शरीरात जास्त  
प्रमाणात निर्माण होणारी उष्णता कमी  
करून प्रेशर, अल्सर व त्वचेचे  
रोगप्रतिबंध करण्यासाठी हे रेट्रोफिट  
अत्यंत उपयुक्त ठरणार आहे.

स्पर्धेत अनेक संघांनी भाग घेतला  
होता. त्यामध्ये उद्योजक, प्राध्यापक व  
विद्यार्थी सहभागी झाले होते. पहिल्या  
फेरीत शेकडो संकल्पनेतून (प्रॉब्लेम  
स्टेटमेंट) पहिल्या दहा संघांची निवड

केली. त्यातून सादरीकरणाच्या  
आधारावर पहिल्या पाच संकल्पनांना  
निधी दिला. शरद इंजिनिअरिंगच्या  
संकल्पनेला ५० हजार रुपयांचा निधी  
देण्यात आला आहे.

यशस्वी विद्यार्थ्यांना प्रा. अवेस  
अहेमद हुसेनी, समन्वयक प्रा. शितल  
उदगावे, विभागप्रमुख डॉ. एस. डी.  
पाटील यांचे मार्गदर्शन लाभले. संस्थेचे  
अध्यक्ष आमदार डॉ. राजेंद्र पाटील  
यझावकर, एक्झिक्युटिव्ह डायरेक्टर  
अनिल बागणे यांनी प्राध्यापक व  
विद्यार्थ्यांचे अभिनंदन केले.

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## गोशिमा व टाटा टेक्नॉलाजीने स्टार्टअपला मिळणार गती

### गारगोटी/महान कार्य वृत्तसेवा :

गोशिमा व टाटा टेक्नॉलॉजीस  
प्रा.ली. यांच्या संयुक्त विद्यमाने  
इनोव्हेटिव्ह आयडिया अॅक्सिलरेटर  
प्रोग्रॅम साठी विविध ठिकाणाहून  
आयडिया मागविण्यात आल्या  
होत्या. सदर आयडिया कोल्हापूर,  
इचलकरंजी, बारामती, सांगली, अशा  
वेगवेगळ्या ठिकाणाहून २७ आयडिया  
पैकी १० आयडिया फायनल प्रेझेंटेशन  
साठी निवडल्या व त्यानंतर गोशिमा  
संचालक उद्योजकांनी याचा विचार  
करून ५ आयडिया विनर म्हणून  
घोषित केले. सदर आयडिया प्रत्यक्ष  
प्रोटोटाइप मध्ये तयार करण्यासाठी  
गोशिमा व टाटा टेक्नॉलॉजीस यांचे



उच्च विटविटी मधून आर्थिक तसेच  
तांत्रिक मदत केली जाणार आहे.

यामध्ये सेल्युलोज फ्रॉम ट्रीस,  
डेव्हलपमेंट ऑफ व्हील चेअर,  
मॅन्युफॅक्चरिंग ऑफ इको फ्रॅंडली गणेशा  
आयडॉल्स, पोर्टेबल बॅकपॅक स्टूल व  
सोल्डरिंग ऑफ ओरनामेंट/ ज्वेलरी  
या पाच आयडिया निवडण्यात आल्या  
व सहभागी विद्यार्थ्यांना व फॅकल्टींना

प्रत्येकी वीस हजार रुपये चा धनादेश  
देण्यात आला.

या आयडिया इम्प्लीमेंटेशन  
करण्यासाठी तीन महिन्यांचा वेळ  
देण्यात आलेला आहे. या उपक्रमामुळे  
विद्यार्थ्यांमध्ये जिज्ञासू वृत्ती निर्माण  
होऊन त्यांच्या कल्पनाशक्तीतून नवीन  
इनोव्हेटिव्ह प्रॉडक्ट्स तयार होणार  
आहेत. त्यातून स्टार्टअप सुरु व्हावेत

अशी संकल्पना गेली २ वर्ष सातत्याने  
गोशिमा व टाटा टेक्नॉलॉजीस प्रा.लि.  
यांचे मार्फत राबविण्यात येत आहे.

त्यानुसार इंजी. विद्यार्थ्यांसाठी  
इनोव्हेटिव्ह आयडिया अॅक्सिलरेटर  
प्रोग्रॅम एम.एस.एम.ई प्रोजेक्ट्स  
तसेच विविध ट्रेनिंग प्रोग्रॅमस घेतले  
जातात. या धनादेश वितरणावेळी  
गोशिमा चे उपाध्यक्ष स्वरूप कदम,  
संचालक मोहन पंडितराव, निर्मात्रित  
संचालक राजवर्धन जगदाळे, नचिकेत  
कुंभोजकर, अमोल यादव, रणजीत  
मोरे व यामध्ये सिलेक्ट झालेले,  
संदिप पारख, सुरज लाल, सुयोग  
रायजाधव, गिरीष मेकलके व वैभव  
मोरे उपस्थित होते.

# TATA TECHNOLOGY AND GOSHIMA FUNDING PROJECT:

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**Total Funding: 1.8 Lakh**

**Total Project: 12**



Sr no.	Project title	MSME	Project mentor	Bank Account Name	Students	Team Leader
1	seam welding wheel electronic metering of covered length by using metering and conversion on electronic meter	Pushpraj Engineers	Mr Shital P Udgate	Shital Purander Udagave	1.Shubham Nitin Patil	Adnan Aarif Patel
					2.Adnan Aarif Patel	
					3.Yohan Kishor Bhole	
					4.Aftab Rajmahamad Desai	
2	Automatic Tool Pocket Gluing and Numbering On Drum Type Automatic Tool Changer used in vertical machining center (VMC)	Pragati automation pvt. ltd. Tarsal,Ichalkaranji	Dr. Adik M Takale	Adik Mahadev Takale	1. Abhishek Waghare	Abhishek Vaghare
					2. Omkar Chavan	
					3. Sourabh Patil	
					4. Nikhil Patil	
3	Design and Development of Prototype for Fruits and vegetables for Increasing their shelf life by using IOT based Hydro cooling Technology	NA	Ms.Vidya .S.Patil	Vidya Sunil Patil	1. Omkar S.Chougule	SAMIR NURMAHAMAD MOMIN
					2.Samir N.Momin	
					3.Sanmesh S.Shinde	
					4.Prathmesh U.Jadhav	

4	Tool condition monitoring of WEDM through vision system	Kapil Engineering	Mr. Ganesh V. Pujari	Ganesh Vasant Pujari	1) Mr. Avinash Ashok Londhe	Mr. Avinash Ashok Londhe
					2) Mr. Aman Najir Jamadar	
					3) Mr. Nihal Imtiyaj Sayyad	
					4) Mr. Swapnil Sudhir Chavan	
5	3D Reconstruction of Anatomical Structures from 2D X-ray Images	Altier Technologies, Miraj MIDC	Mr. Aashish A. Desai	Ashish Arun Desai	Shubham Shital Chougule	Shubham Shital Chougule
					Rohan Rajendra Vhanne	
					Suraj Sayas Wagh	
					Vaibhav Mukesh Mehata	
6	Development of Ecofriendly E-Waste Composite Using Glass Fiber	SP Concare, Pvt. Ltd. Sangli	Mr. Pravin H. Yadav	Pravin Hindurao Yadav	1. Pallavi Kadgonda Patil 2. Vrishubh Chougule 3. Vrishubh Ainapure 4. Pratik Bhosale	Pallavi Kadgonda Patil
7	Design and Development of Solar Assisted Thermoelectric Refrigeration system for Vaccine Storage by using Solar Energy	S-4 Services, Kolhapur	Mr. Sujit V. Kumbhar	Sujit Vishwanath Kumbhar	1. Mr. Pankaj Patil 2. Mr. Amol Khot 3. Mr. Sourabh Khot	Mr. Pankaj Patil
8	Fabrication and characterization of hybrid composite using Natural fiber and E-Waste material	SP Concare, Pvt. Ltd. Sangli	Mr. Pravin H. Yadav	Pravin Hindurao Yadav	1. Tejas Subhash Pise 2. Aditya Vijay Khatkole 3. Vaibhav Nitin Patil 4. Shreyas Dipak Nagavkar	Tejas Subhash Pise



9	Design and Development of automatic shots separating machine for foundry	NA	Mrs. Anjali A Zalake	Mrs. Anjali A Zalake	1.Sanket balkrishna kinekar 2.Rushikesh Naik 3.Shoaib Mulla 4.Abhishek Funde	Sanket balkrishna kinekar
10	Design and Development of Bed for Bedridden Patients	NA	Mr. Pratapsinh S. Chougule	Pratapsinh Subhaschandra chougule	1. Mr. Vijit Jitendra Save	Mr. Vijit Jitendra Save
					2. Mr. Muhasin Akhtar Mulla	
					3. Mr. Somnath Anant Potdar	
					4. Mr. Pranav Sandip Lagare	
11	Recycling Utilization of Waste Plastic	NA	Mr. Sumit.G.B ardiya	Sumit Goutamchand Bardiya	1. Samarth Sambhaji Nanekar	Mr Mahesh Ravindra Kadav
					2. Mahesh Ravindra Kadav	
					3. Vinayak Shivaji Chavan	
					4. Omkar Rajaram Patil	

# Faculty Publications 2022-23

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Sr. No.	Name of Faculty member	Title of Research Paper	Name of Journal/Conference	Volume/Issue, Year of Publication	ISSN
1	Mr. P H Yadav	Investigation on vibration parameters in aluminum finned tube arrays subjected to water cross flow	Multidisciplinary modeling in materials and structures	Vol 18, Issue 5	1573-6105 SCIE
2	Mr. A S N Husainy	Experimental investigation of eutectic phase changing materials (KCL + Na <sub>2</sub> SO <sub>4</sub> ) mixed with graphene (Gr) nano-particles on refrigeration test rig	Material Today proceeding	10 Nov 2022	<a href="https://doi.org/10.1016/j.matpr.2022.09.379">10.1016/j.matpr.2022.09.379</a> SCOPUS
3	Mr. Suyog Patil	Development of optimized maintenance program for a steam boiler system using centered maintenance approach	Sustainability	15 Aug 2022	SCIE DOI- 10.3390/S U1416100 73
4	Dr. S D Patil	Analyzing the design parameters and their influence on the tensile strength of composite layers using tagochi techniques	Material Today proceeding	15 Nov 2022	Scopus DOI- 10.1016/J. MATPR.2 022.11.276
5	Mr. B BSangame				
6	Mr. S V Kumbhar	Experimental investigation of ethanol gasoline blends on the performance combustion and emission characteristics of SI engine	Science Direct (Material Today Proceeding) Elsevier Publisher	5 Dec 2022	1369-7021 Scopus
7	Mr. A A Desai	Analyzing the design parameters and their influence on the tensile strength of composite layers using tagochi techniques	Material Today proceeding	15 Nov 2022	Scopus DOI- 10.1016/J. MATPR.2 022.11.276
8	Mr. A A Desai	Design analysis and development of additive manufacturing by FDM technique with duel nozzle assembly	Material Today proceeding	15 Nov 2022	SCOPUS DOI 10.1016/J. MPTPR.20 22.11.010



## QUIZ Competition 2022

### ISHRAE Day

- Event conducted by –ISHRAE (Kolhapur-Sangli sub Chapter) and Sharad Institute of Technology, College of Engineering, Yadav.

- Event Name :-

QUIZ Competition 2022 event conducted on the occasion of ISHRAE Day on 9-12-2022.

- Event Time :-

Event time is from 2.30 am to 4.00 pm and the event was conducted by offline mode

- Number of Rounds:-

Event contained total 3 rounds . In first round we have created 4 teams ,Team condenser ,Team evaporator , Team compressor and Team thermostat. 10 members in each group. In first round questions with multiple answers was asked to each team , marks were given on basis of number of answers given to question in first round team thermostat was leading on the table. Then we moved to second round in this round we showed some photos such as LP HP cut out, humidifier, capillary tube etc and teams have to guess the picture . participants enjoyed this round , team evaporator became the table toper. In the last and final round was just as rapid fire continuous 10 questions were asked to each teams in this round it was tie between team thermostat and team compressor a tie

breaker was arranged in tie breaker 5 questions was asked to each teams at last team compressor was leading with 20 points and won the competition. Everyone enjoyed the competition and learned a lot through it

- Passing criteria:-

Maximum scoring team was announced as winner.

- Certification:-

Certificates were provided to the All candidates.

- Total number of participations:-

Participation is more than 40 from ISHRAE students

- Quiz attempted by:-


More than 40participants attempted the quiz.

- Faculty Co-ordinator –Prof.A.S.N.Husainy (SITCOE, YADRAV).


Prof.S.V.Kumbhar(SITCOE, YADRAV).

- Event Poster-


**SHARAD INSTITUTE OF TECHNOLOGY COLLEGE OF  
ENGINEERING, YADRAV-ICHALKARANJI  
(An Autonomous Institute)**



STUDENTS  
IN ISHRAE




SIT




ISHRAE  
Kolhapur-Sangli Sub-chapter

On the occasion of **ISHRAE Day** department of Mechanical Engineering conducting **Quiz Competition Event** and Talk on **HVAC Growth in India** at SITCOE, Yadrav.



**QUIZ**

Certificates is  
provided to all  
participants



tech  
talk

Mr. A.S.N.Husainy and Mr. S.V.Kumbhar  
Faculty Co-ordinators

**Friday, 9<sup>th</sup> Dec 2022**  
**Time: 2:30 PM Onwards**

Dr. S.D.Patil  
HOD, Mech

Dr. S.A.Khot  
Principal

Hon. Shri. Anil A. Bagane  
Executive Director

- Event photo:







## **QUIZ 2022**

### **National Energy Conservation Day**

- Event conducted by –ISHRAE (Kolhapur-Sangli sub Chapter) and Sharad Institute of Technology, College of Engineering, Yadav.
- Event Name :–  
QUIZ 2022 event conducted on the occasion of National Energy Conservation 14-12-2022.
- Event Time :–  
Event time is from 9.00 am to 12.00 pm and the event was conducted by online mode through google forms.
- Number of questions contained :–  
Event contained total 15 questions each of two marks and total marks for the event is 15 marks.
- Passing criteria:-  
The participant must score 70 or above 70 marks.
- Certification:-  
Certificates were only provided to the passed candidates.
- Total number of participations:–



Participation is more than 200 from all over INDIA.

- Quiz attempted by:-  
More than 200 participants attempted the quiz.
- Faculty Co-ordinator – Prof.A.S.N.Hussainy (SITCOE, YADRAV).

Prof.S.V.kumbhar(SITCOE, YADRAV).

- Event Poster-

**SHARAD INSTITUTE OF TECHNOLOGY COLLEGE OF  
ENGINEERING, YADRAV-ICHALKARANJI  
(An Autonomous Institute)**



STUDENTS  
IN ISHRAE




SIT



ISHRAE  
Kolhapur-Sangli Sub-chapter

On the occasion of **National Energy Conservation Day** department of Mechanical Engineering conducting **Online Awareness Quiz** at SITCOE, Yadrav.



**NATIONAL  
ENERGY  
CONSERVATION DAY**

**Certificates is provided to all participants**

Mr. A.S.N.Husainy and Mr. S.V.Kumbhar  
Faculty Co-ordinators

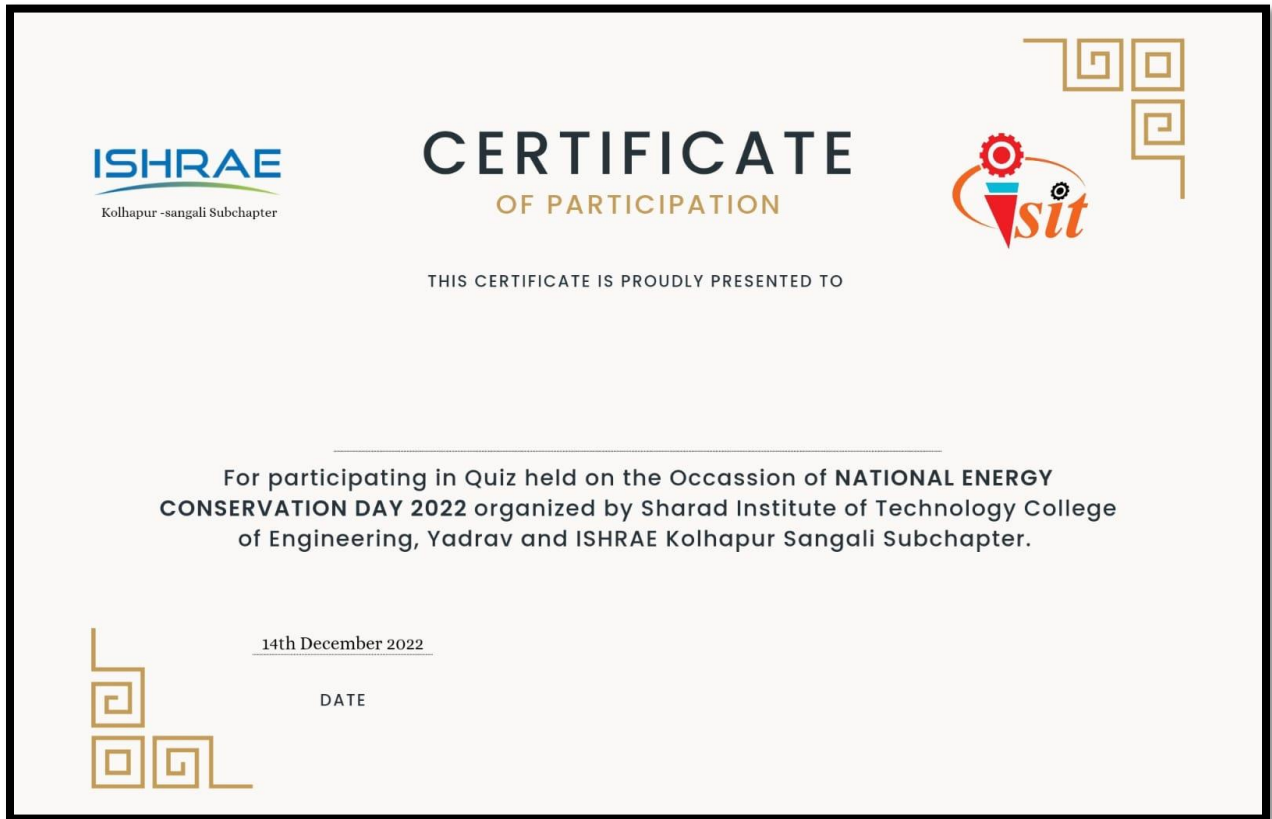
**Friday, 14<sup>th</sup> Dec 2022**

Dr. S.D.Patil  
HOD, Mech

Dr. S.A.Khot  
Principal

Hon. Shri. Anil A. Bagane  
Executive Director

- Event certificate-





**ISTE Approved**  
**One week Faculty Development Program**  
**On**  
**Simulation Tools for Casting & Machining**  
**July 18<sup>th</sup> to July 22<sup>nd</sup>, 2022**



Department of Mechanical Engineering has arranged **ISTE Approved One week Faculty Development Program on Simulation Tools for Casting & Machining**. We started our FDP with Inauguration Ceremony. Mr. Y Y Kamble has done the introduction and welcome of all guests followed by Lightening of Lamp & Saraswati Pujan. Dr. S D Patil Convener & HOD, Mechanical Engineering Department has given brief information about the FDP. Introduction of Resource Person is done by Mr. V B Nalawade. Mr. Pramod S. Telave addressed the participants regarding how this FDP will improve the

skillsets and its implementation. Dr. S A Khot, Principal SITCOE addressed FDP with the application part of Simulation Tools for Casting & Machining of Mr. Anil A Bagane, Executive Director SITCOE motivated participants to take advantage of FDP to develop skill set which will improve knowledge platform followed by vote of thanks by Mr. A. S. N. Husainy.



All the sessions were very much informative. The discussed areas are of great benefit for the participants as the topics match with the current working domain. Participants were enlightened with the most widely used advance technologies in this domain. This in turn will help in research activity and placement opportunity



**INDIAN SOCIETY OF  
HEATING REFRIGERATING  
AND AIR CONDITIONING  
ENGINEERS**  
**Kolhapur-Sangli Subchapter**



**ACRE-SERVE Report**

**Date - 16<sup>th</sup> oct 2022**

**Kolhapur Sangli Sub chapter completed ACRE-SERVE activity held at Hotel Vrindavan, vivekanand colony, Near shahuputala, Ichalkaranji.**

**Date - 16<sup>th</sup> oct 2022**

**Time -10.00 am to 4.00 pm**

**Students involved in this activity:6**

**Activity Completed:**

**ACRE-SERVE is programme designed exclusively for SERVICE TECHNICIANS and SERVICE EXECUTIVES to know the latest trend in service of HVAC equipments.**

**Activities Conducted are:**

- 1. Basic Introduction about ISHRAE and Other things in Engineering.**
- 2. Students from ISHRAE club are co-ordinator of this programme and also attended the webinar.**

**The speakers of this programme:**

**Mr. Amit PR Bhide Topic:**

**Business Mania**

Chairman and Chief Mentor of Amit Bhide Training & Consultancy, one of West Maharashtra's leading Entrepreneur Coaching and Enterprise Transformation Company. Amit Bhide Training & Consultancy has been operating since 2017 and is geographically well entrenched in Western India. He has team of coaches, trainers and reviewers. expertise in imparting skills such as selling, leadership, negotiation, Change Management etc. My track record of 20 years of having worked with great Corporations such as Tata Indicom, Tata Green Battery, Reliance Communication & some advertising agencies, speaks volumes about the vast corporate experience and rich knowledge that I has gained over the years. Training programs and high energy speeches have led to skill and productivity enhancement of some of the finest national and international corporations in the SME/ MSME level Entrepreneurs irrespective of the industry.

### **Topic: Inverter Technology**

They delivered the speech on Inverter technology. They also discussed about the various types of invertors technology used in the industry and they guided the technicians to implement new invertor's technology to improve the efficiency of the conventional system. In their presentation he teaches some new things like what corrective action we have to take at the time of emergency. Hediscussed about the intercooler and pump technology.

**Ar. Meghana Shinde.**

### **Topic: Clean rooms and comfort air-conditioning:**

They told us about the clean rooms and some more information like Clean rooms are specially constructed, environmentally controlled enclosed spaces where the concentration of airborne particles (contaminants) is kept within specified limits. In industry, clean rooms are used in the manufacturing of electronic hardware such as integrated circuits (ICs) and hard drives. In biotechnology and medicine, clean rooms are used when it is necessary to ensure an environment free of bacteria, viruses, or other pathogens.





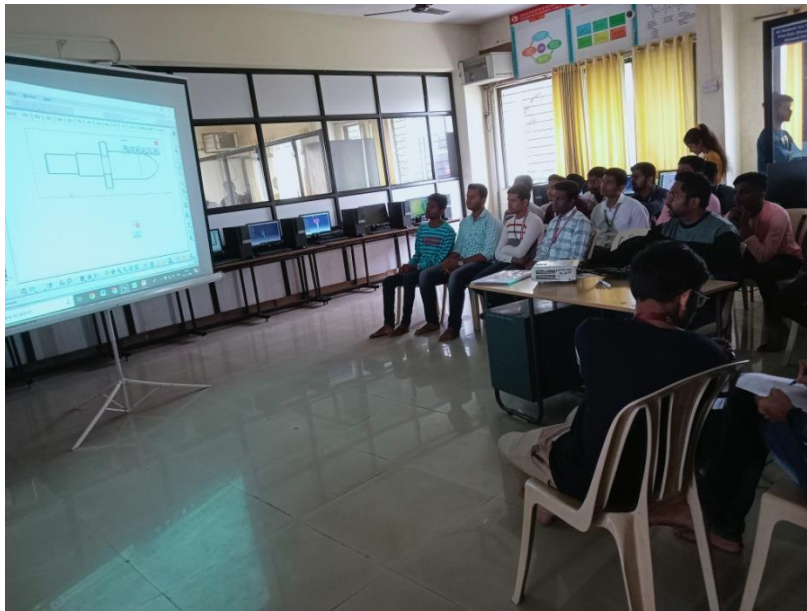
# VAP ACTIVITY

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**Name of VAP: CATIA-V5**

**No. of Students: 30**

**Students Enroll: SY and TY B. Tech**







*Shri. ShamraoPatil (Yadavkar) Educational & Charitable Trust's*

## **Sharad Institute of Technology College of Engineering**

Yadav (Ichalkaranji) - 416 121 Tal- Shirol Dist- Kolhapur (MS) India

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[www.sitcoe.org.in](http://www.sitcoe.org.in)

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### **VISION AND MISSION OF THE INSTITUTE**

#### **Vision**

To be a center of excellence in technical education by using cutting edge technology that produces competent engineers of today and tomorrow to serve the society.

#### **Mission**

1. To impart quality education by implementing state-of-the-art teaching-learning methods to enrich the academic competency, credibility and integrity of the students.
2. To facilitate a conducive ambience and infrastructure to develop professional skills and nurture innovation in students.
3. To inculcate sensitivity towards society, respect for environment and promote high standards of ethics.

# **VISION AND MISSION OF THE DEPARTMENT**

## **MECHANICAL ENGINEERING**

### **Vision**

To be a centre of excellence in Mechanical Engineering education to prepare professionally competent engineers with lifelong learning attitude for the accomplishment of ever-growing needs of society.

### **MISSION**

- To prepare technically and professionally competent engineers by imparting quality education through effective teaching learning methodologies and providing stimulating environment for research and innovation.
- To develop professional skills and right attitude in students that will help them to succeed and progress in their personal and professional career.
- To imbibe moral and ethical values in students with concern to society and environment.

### **Program Educational Objectives (PEOs)**

Graduates of the programme will

**PEO I:** Demonstrate capabilities to develop optimal solution to the real world engineering problems by applying theory based practical approach of engineering and related engineering disciplines.(K)

**PEO II:** Exhibit professional skills, ethical attitude and sensitivity towards society and environment.

**PEO III:** Engage in life-long learning for successful adaptation to technological changes.



Shree Shamrao Patil (Yadravkar) Educational & Charitable Trust's

# SHARAD INSTITUTE OF TECHNOLOGY COLLEGE OF ENGINEERING

"A Grade Accredited by NAAC"

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E: [contact@sitcoe.org.in](mailto:contact@sitcoe.org.in)

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Tal: Shirol. Dist: Kolhapur, Maharashtra, India