



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

# SHARAD INSTITUTE OF TECHNOLOGY, COLLEGE OF ENGINEERING

Yadrav (Ichalkaranji), Dist.-Kolhapur (Maharashtra)

■ NBA Accredited Programmes ■ NAAC 'A' Grade Institution ■ An ISO 9001 : 2015 Certified Institute

## APEX ...A Newsletter

### Department of Mechanical Engineering 2018-19

Vol: 01 ISSUE: 02

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- Technical talk on Cloud Computing arranged by NASSCOM
- Dipex Winner 2018-19
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- N. Conference of Autodesk University 2018 India & SAARC
- O. Autodesk Boot Camp for Faculty and student
- VAP Activities
- MESA Activity



**Hon. Dr. Rajendra Patil (Yadravkar)**

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Education & Charitable Trust



**Hon. Mr. Anil Bagane**

Executive Director  
Shamrao Patil (Yadravkar)  
Education & Charitable Trust



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



**Dr. V. S. Hajare**  
HoD, Mechanical Engineering



**From Head of the Department Desk (Dr. V.S.Hajare)**



I feel happy to introduce Apex 2018-19 Vol-1, Issue-2nd prepared by faculty and students of Mechanical Engineering Department. We at SITCoE promise of increasing the knowledge, enhancing the critical thinking, ability to change information into knowledge and power of analyzing the things technically of each and every individual of ever changing society through students and faculties I congratulate "APEX" team for their efforts in launching second issue of year 2018-19. Wish you all a happy learning here.

**From Faculty Editor Desk (Mr. Utkal S. Patil)**



Dear Readers, We are back with yet another issue. Though, the events of high importance kept us all busy but we are never too far away, not to reach our readers. It is indeed a great honor to be the "APEX" Newsletter Editor from Department of Mechanical Engineering, SITCOE. And it is an immense pleasure to presenting you with the Volume 1 Issue 2 of AY 2018-19. Our motto is to put forth two Issues of Newsletter in a year. Last but not least, I would like to thank Beloved Hon. Executive Director, The Principal, Head of the Department and Faculty members for their everlasting support throughout the creation of this edition.

**From Student Editor Desk (Miss. Aishwarya S. Patil)**



We are happy to bring out the Volume 1, Issue 2 of our News Letter "APEX". Our Faculty diligently involved in encouraging students and preparing for a bright future. I am glad that I am part of this News Letter preparation and release. I am very much thankful to our Department Faculty members and my team members for helping me in making this "APEX"

**Publisher Name:** Shubhangi Tukshetti, Shraddha Mahadik, Asiya Pendhari  
**Technical Head:** Kishor Dhumale, Omkar Karangale, Kalyani Badade

# Vision and mission of the department

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## 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.

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# Best Research Paper award in National Conference (NCRET)-2018

Honored me as a best Research Paper award in National Conference (NCRET) organized by Sharad Institute of Technology College of Engineering, Yadrav (Ichalkarnji) on 24th March 2018.

Paper Title- Design and Experimentation on Mixed Mode Natural Convection Solar Dehydrator for Osmium Sanctum



Authors Avesahemad S. N. Husainy, Amey Panade, Anuj Birnale and Yuvraj Kadage





# Organizes technical talk on Cloud Computing arranged by NASSCOM (iauro Team)

NASSCOM ORGANISED ONE DAY TECHNICAL TALK ON CLOUD COMPUTING FOR TY AND BE STUDENTS. MORE THAN 100 STUDENTS TAKE BENIFITED.

DATE OF EVENT: - 12 FEB 2019





## Golden Winner Award

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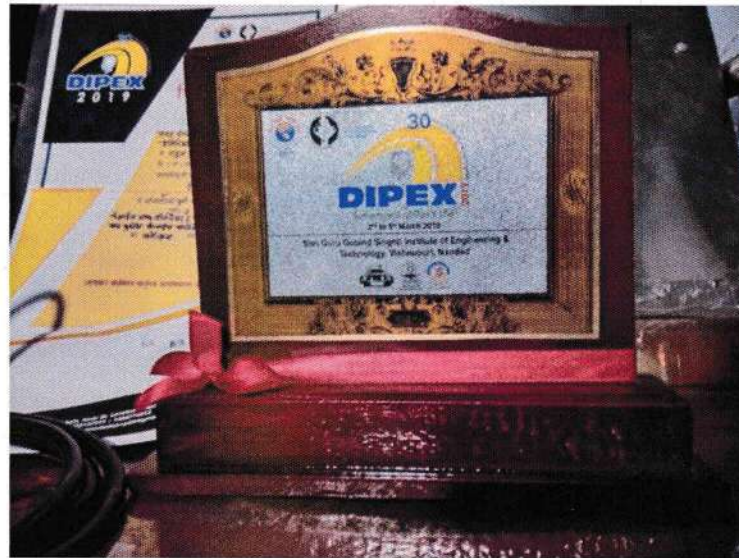
Startup Conclave 2019 By, MITCON, Pune and OpEx startup Accelerator.. Students of our institute under the Guidance of me Ms. Mehrunisa Shaikh Mr.Amey Panade Mr.Bhavesh Patil Mr.Sourabh Mali Ms.Asiya Pendhari Has got rank "GOLDEN WINNER AWARD" for the startup Idea "MULTICROP SOLAR DRYER".. Where the Delegates from whole Maharashtra had participated





## Dipex Winner 2018-19

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Sharad Institute of Technology College of Engineering, Mechanical Department, won best project (1st Prize) in entire Maharashtra and Goa state which was held in DIPEX 2019 Competition.

The name of team is ISHRAE. It received 5000 cash & certificates.

**Project title:** Design of Wheelchair to mitigate the bed sores by using heat pipe application.

**Name of Guide:** Prof. Avesahemad S.N.Husainy

**Student Names:** Rahul Shinde, Kishor Dhumale, Akash Gangdhar, Sanjana Patil, Amit Shinde

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# ISHRAE Research Funding

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Proud moment for Sharad Institute of Technology College of engineering, Mechanical engineering department Received ISHRAE ISPG Project Grant of amount 37500/- ₹ has been sanctioned for project titled,

Designing the wheelchair to mitigate the bed sores for human comfort. Only 16 projects have been selected from all over India.

**Name of Guide** - Prof. Avesahemad Husainy

**Students name** - Kishor Dhumale , Rahul Shinde, Sanjana Patil, Amit Shinde, Akash Gangdhar





## Research Paper Publications 2018-19

Sr. No.	Name of Faculty member	Title of Research Paper	Name of Journal/Conference	Volume/Issue, Year of Publication	Scopus/SCI/UGC/DOI
1	Dr. V. A. Bhosale	Impact of Knowledge flow on supply chain performance : An experiment on four Indian luggage manufacturing firms	International journal of Information and decision sciences	ISSN:1756-7025	Scopus
2	Mr. A.M. Takale	Multi response optimization of Micro-WEDM process parameters of Ti49.4Ni50.6 shape memory alloy for orthopedic implant application'	Advance Material Research	Vol. 10 No. 4, ISSN: 1662-8985 Nov. 2018	Scopus
3	Mr. A.M. Takale	Effect of Wire Electro Discharge Machining Process Parameters on Surface Integrity of Ti49.4Ni50.6 shape memory alloy for Orthopedic Implant Application	Materials Science and Engineering C	Volume 97, ISSN: 0928-4931 Dec. 2018	Scopus
4	Mr. A.M. Takale	Evaluation of Wire Electro-Discharge Machining Performance Characteristics of Ti49.4Ni50.6 Shape Memory Alloy and SS316L for Orthopedic Implant Application	Trends in Biomaterials and Artificial Organs	Vol. 32 No 3, ISSN 0971-1198 (print) Dec. 2018	Scopus
5	Mr. A.M. Takale	Multi-Objective Optimization of WEDM Process Parameters of Ti49.4-Ni50.6 Shape Memory Alloy for orthopedic implant application	Journal of Achievements in Materials and Manufacturing Engineering,	Issue: 2018; 1 (93) ISSN: 1734-8412 Sept. 2018	Scopus
6	Mr. A.M. Takale	Optimization of process parameters of Wire Electro Discharge Machining for Ti49.4Ni50.6 Shape Memory Alloys using the Taguchi Technique	International Journal of Structural Integrity	Vol. 10 No. 4, ISSN: 1757-9864 Nov. 2018	Scopus
7	Mr. S. V. Kumbhar	Experimental investigation of EHD effect on the performance of double pipe heat exchanger	Asian Review of Mechanical Engineering	Volume 7 No.1 ISSN: 2249 – 6289 Jun. 2018	Peer Reviewed Journal with DOI
8	Mr. M. A. Jadhav	Experimental investigation of EHD effect on the performance of double pipe heat exchanger	Asian Review of Mechanical Engineering	Volume 7 No.1 ISSN: 2249 – 6289 Jun. 2018	Peer Reviewed Journal with DOI
9	Mr. S. G. Bardiya	Experimental investigation of EHD effect on the performance of double pipe heat exchanger	Asian Review of Mechanical Engineering	Volume 7 No.1 ISSN: 2249 – 6289 Jun. 2018	Peer Reviewed Journal with DOI
10	Mr. S. V. Kumbhar	Heat Transfer Analysis of Continuous and Staggered Fin Arrays	Asian Review of Mechanical Engineering	Volume 7 No.1 ISSN: 2249 – 6289 Jun 2018	Peer Reviewed Journal with DOI
11	Mr. M. A. Jadhav	Heat Transfer Analysis of Continuous and Staggered Fin Arrays	Asian Review of Mechanical Engineering	Volume 7 No.1 ISSN: 2249 – 6289 Jun. 2018	Peer Reviewed Journal with DOI
12	Mr. S. G. Bardiya	Heat Transfer Analysis of Continuous and Staggered Fin Arrays	Asian Review of Mechanical Engineering	Volume 7 No.1 ISSN: 2249 – 6289 Jun. 2018	Peer Reviewed Journal



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13	Mr. S. V. Kumbhar	Design and Development of Helical Compression Spring Stiffness Testing Machine for I.C. Engine Valves with Stepper Motor by Using Computer Control	Asian Review of Mechanical Engineering	Volume 7 No.2 ISSN: 2249 – 6289 Dec. 2018	Peer Reviewed Journal with DOI
14	Mr. A.M. Takale	Design and Development of Helical Compression Spring Stiffness Testing Machine for I.C. Engine Valves with Stepper Motor by Using Computer Control	Asian Review of Mechanical Engineering	Volume 7 No.2 ISSN: 2249 – 6289 Dec. 2018	Peer Reviewed Journal with DOI
15	Mr. A. S. N. Husainy	Design and Experimentation on Mixed Mode Natural Convection Solar Dehydrator for Osmium Sanctum	Asian Review of Mechanical Engineering	Volume 7 No.2 ISSN: 2249 – 6289 Dec. 2018	Peer Reviewed Journal with DOI
16	Mr. A. S. N. Husainy	Preparation, Properties, Stability and Applications of Different Nano Fluids: A Review	Asian Review of Mechanical Engineering	Volume 7 No.2 ISSN: 2249 – 6289 Dec. 2018	Peer Reviewed Journal with DOI
17	Mr. A. S. N. Husainy	A Glance on Preparation, Stability, Properties and Applications of Nano Fluids	Asian Review of Mechanical Engineering	Volume 7 No.2 ISSN: 2249 – 6289 Dec. 2018	Peer Reviewed Journal with DOI
18	Mr. A. S. N. Husainy	Performance improvement of ducted air conditioning system with different mass fraction of CuO nanoparticles mixed in POE oil	IRJET	Volume 6 No.4 ISSN: 2395-0056 April. 2019	UGC Peer Reviewed Journal with DOI
19	Mr. A. S. N. Husainy	Development of Reflector Integrate Solar Cooker and their Waste Heat Recovery for Drying Application	International Research Journal of Engineering and Technology	Volume: 06 Issue: 01, e-ISSN: 2395-0056 Jan. 2019	Peer Reviewed Journal with DOI
20	Mr. A. S. N. Husainy	Design, Analysis and Fabrication of Hydraulic Scrap Baling Machine	Asian Review of Mechanical Engineering	Volume 8 No.1 January-June 2019	Peer Reviewed Journal with DOI
21	Mr. M. A. Jadhav	Design, Analysis and Fabrication of Hydraulic Scrap Baling Machine	Asian Review of Mechanical Engineering	Volume 8 No.1 January-June 2019	Peer Reviewed Journal with DOI
22	Mr. S. V. Kumbhar	Design, Analysis and Fabrication of Hydraulic Scrap Baling Machine	Asian Review of Mechanical Engineering	Volume 8 No.1 January-June 2019	Peer Reviewed Journal with DOI
23	Mr. S. G. Bardiya	Design, Analysis and Fabrication of Hydraulic Scrap Baling Machine	Asian Review of Mechanical Engineering	Volume 8 No.1 January-June 2019	Peer Reviewed Journal



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					with DOI
24	Mr. S. V. Kumbhar	Performance analysis of annular fin arrays with forced convection	Asian Review of Mechanical Engineering	Volume 7 No.2 Dec 2018 ISSN-2249-6289	Peer Reviewed Journal with DOI
25	Mr. M. A. Jadhav	Performance analysis of annular fin arrays with forced convection	Asian Review of Mechanical Engineering	Volume 7 No.2 Dec 2018 ISSN-2249-6289	Peer Reviewed Journal with DOI

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## Research Projects/Sponsored projects of Student

Sr. No.	PROJECT TITLE	Project Guide	Name of Student	Sponsoring Agency	Grant Received/ Amount Invested by Industry
1	"Yield Improvement of Oil pump housing without affecting accuracy and productivity of product".	A A Desai	Joshi Omkar Vijay	Prgtati Founders Pvt.Ltd.HAtaganagle	Grant Received
			Karajgar Sujit Sunil		
			Chetan Mahesh Vadar		
			Yelawade Arjun Babaso		
2	Design and development of jig, fixture and special purpose machine for outrigger (part no. 10205718)	A M Takale 01	*Patil Sanjana Shital	Sanmati CNC Engineering Works Hatkanangale	Grant Received
			Dhumale Kishor Bhikaji		
			Gangdhar Aakash Ratnappa		
			Shinde Amit Sharad		
			Shinde Rahul Ekanath		
3	Design and developmant of special purpose machine and fixture for Throttle shaft	A M Takale 02	* Walve Nikita Dilip	Cygnet International (P) Ltd. Hatkanangale	Grant Received
			*Nirmal Mayuri Popat		
			Karangale Omkar Shankar		
			Kamble Satyam Namdev		
			Koli Vinod Mahaveer		
6	Design ,Development and Manufacturing of Hecksaw Machine by using Automatic Bar Feeding Mechanism	A S Udgave 01	* Khot Namrata Ganpati	SITCOE, Yadrav	Grant Received
			Bhamane Appaso Bhimu		
			Kore Rohit Deepak		
			Kumbahr Rohit Tanaji		
7	Design ,Development and Manufacturing of Automatic Sheet metal Bending Machine	A S Udgave 02	Huddar Rahul Uttamrao	Omkar Enterprises Pvt. Ltd, Jysingpur	Grant Received
			Garag Laxmikant Arun		
			Tamayache Amit Vasant		
			Ghatage Ashutosh Balaso		
13	Design and Development of Noodle Making Machine	Dr.N.C. Hiremath	Kanwade Amol Rajendra	Blue Star, Ichalkaranji	Grant Received
			Kshirsagar Dnyaneshwar Dattatraya		
			Patil Bhavesh Balgonda		
			Sapkal Sourabh Subhash		
14	Design & development of Jig;fixture & SPM For slotting & milling operation	G V Pujari 01	Patil Prashant Rajgonda	Cygnet International (P) Ltd. Hatkanangale	Grant Received
			Patil Pratik Prakash		
			Pawar Abhijeet Jotiram		
			Phalle Shreyas Rajendra		

15	Design & manufacturing of fixture & special purpose machine	G V Pujari 02	Adagane Vrushabh Satish	Sanmati CNC Engineering Works Hatkanangale	Grant Received
			Bhosale Omkar Balaso		
			Korane Vyanktesh T		
			Mangave Vrushabh Jivandhar		
			Koli Abhilash Balaso		
17	Design And Manufacturing of Hydraulic Fixture for trip cover plate for VMC/ HMC	M A Jadhav 01	Bhagvat Milind Subhash	Arati Enterprises, PIE -Yadrav	Grant Received
			Dhanawade Shivam G		
			Harugire Ashitosh Shripati		
			Singh Surajbhan Pawan		
			Dhavale Aditya		
18	Design And development of 90 degree Corner Cutting Machine for sheet metals	M A Jadhav 02	Chivate Dhanashree Shreekant	Ganesh Development	Grant Received
			Dounde Amit Mahesh		
			Mulani Salim Rasul		
			Todkar Rohit Subhash		
			GHADVEER AKSHAY SANTOSH		
21	Design of Universal Hydraulic Power Steering fixture plate	S B Kamble	Chougule Rahul Ashok	Sagar Diesels, Sangli	Grant Received
			Khot Akshaykumar Rajaram		
			Mujawar Saifali Nasar		
			Shendure Mohsin ramjan		
27	Design & Manufacturing of hydraulically oprated roti making machine	S M Ghanvat	Bongale Vijay Dattatraya	Bluestar Industries, Ichalkaranji	Grant Received
			Jadhav Digvijay Ananda		
			More Chetan Pandurang		
			Sawant Vikas Vishnu		
34	Design and fabrication of Bar Bending Machine	V B Nalawade	Chivate Omkar Vijay	Mahalaxmi Industries	Grant Received
			Chougule Akshay Ajitkumar		
			Edake Sumit Maruti		
			Kale Nilesh Ashok		
35	Design and fabrication of Dish Clenning Machine	V R Naik 01(sem_I) A A Zalake (sem_II)	* Shendge Ashwini Ravasaheb	Khamkar Caters	Grant Received
			Ghatage Abhijeet Daulat		
			Jathe Viraj Raju		
			Patil Rahul Shivaji		
			Sontakke Akash Shrikant		



## Guest Lectures Organized

Sr. No.	Title of Expert Lecture	Class	Expert Lecture conducted Date	Name of Expert Resource person	Company /Institute	Beneficiary Student
1	Opportunities and recent scenario of our country in space research	BE	27-Dec-18	Prof. M. V. Dhakane	Indian Institute of space science and technology, Trivendram	117
2	Energy Audit and Conservation	BE	26-Dec-18	Prof. M. M. Wagh	DOT, Kolhapur	77
3	Steel Detailing Course	TE, BE	24/01/2019	Mr. Dhanaji Yadav	TechFlow Engineering India Pvt. Ltd. Kolhapur	70
4	Artificial Intelligence	BE	30/01/2019	Mr. Shridhar Kulkarni Mr. Kalpesh Saraf	Nasscom Pune	85
5	Career opportunities in NX software	TE	31-Jan-19	Mr. Sachin Patange	CAD Center Pune	117
6	Engine Diagnostic	TE	05/02/2019	Mr. Santosh Patil	Hero Motor Corp, Pune	93
7	C programmimg and coding	SE	08/02/2019	Yogesh Patil	Archer Technologies Sangli	110

# DESIGN & INNOVATION CENTER

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## M. Autodesk Talent of Tomorrow Student Program at Delhi

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Auto-desk crew conducted two days workshop in the JW Marriott hotel , Delhi on 10<sup>th</sup> and 11<sup>th</sup> September, 2018 where our students were Selected for this program. This Program was a training program in which the students were been trained to about GD&T as well as upgrading the Software of Fusion 360 and at the end of the workshop students were able to conceptualize their own ideas with the help of the Fusion 360 software. The Student were presented their own project.

Selected student 1)Mr. Omkar Karangale 2) Mr. Shivam Dhanawade

### Glimpses of Program @Delhi



### Objective of Program:-

1. A platform to share technical knowledge & solve unique business challenges
2. Get hands-on experience of cutting edge technology
3. Forum to learn best practices and connect with industry experts



# N. Conference of Autodesk University 2018 India & SAARC

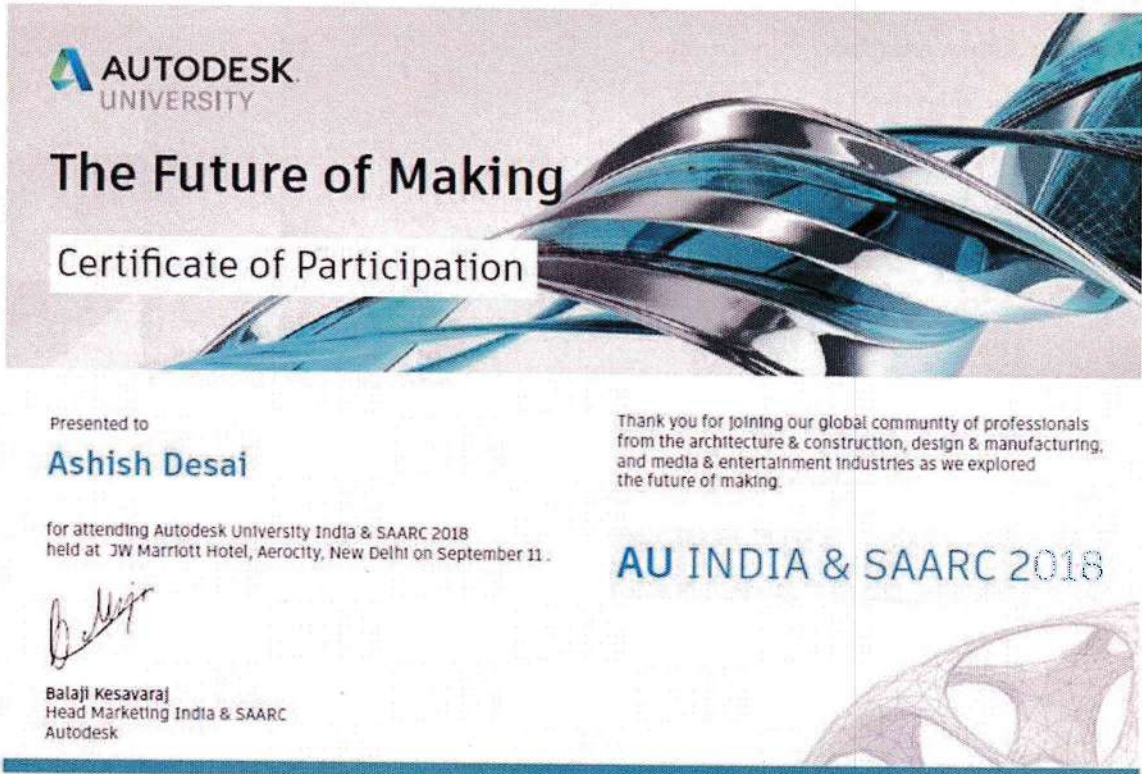
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This Conference is attended by two faculties from SITCOE which is held at JW Marriott Hotel, Aero city, New Delhi on September 11.

## Name of Faculties:-

1. Mr.A.A.Desai
2. Mr.A.D.Chougule

## Sample Certificate



## **O. Autodesk Boot Camp for Faculty and student**

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Two Faculties & Three students were appointed for Autodesk Boot Camp, Pune. The Training Includes learning different modules like Modeling, Patching, Sculpting, Rendering, CAM & CAE & shape optimization etc.

The Boot Camp has been entail four elements: (1) Pre-Workshop Signup/Team Formation, (2) A Case Study, (3) Interactive Design Session, and (4) Question and Answer segment. The Boot Camp emphasized that more focused be given to industry based projects, product development etc.

The Participant is

1. Mr.A .A. Desai (Faculty)
2. Mr.S.M.Ghanavat (Faculty)
3. Mr.Onkar Karangale (student)
4. Mr.Shivam Dhanawade (student)
5. Mr.Ankush Gurav (student)

### **Glimpses of Autodesk Boot Camp**





## VAP Activities

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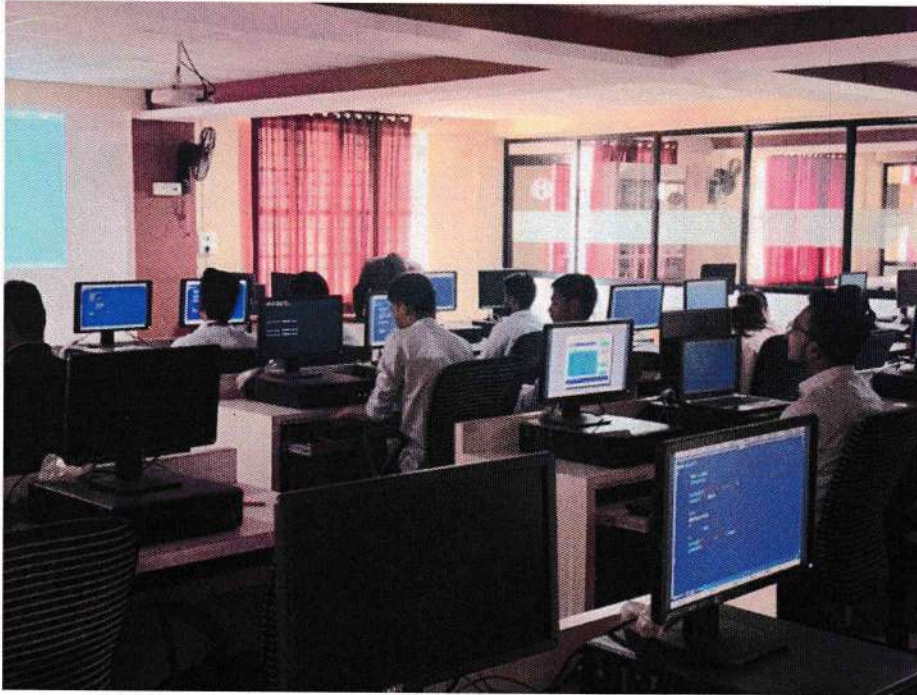
Department	:- Mechanical Engineering Department
Activity Title	:- VAP Activity C Programming and Coding
Activity conducted date and time	:- 16 <sup>th</sup> Sept to 25 <sup>th</sup> Feb 2019
Resource person for Activity	:- Mr. Yogesh Patil (Archer InfoTech, Sangli)
Class	:- SE and TE Meeting
Purpose	:- Value Added Program

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Under PBL our department conducts so many activities like UG Fellowship, Thursday and Saturday activity slot, VAP, etc. Under VAP activity we are conducting so many Value added software certification program like CATIA, CREO, ANSYS WB, CFD, etc. In the current Academic year 2017-18 we provide C Programming and Coding Program to BE Mechanical Student. Archer InfoTech, Sangli is the most famous and reputed Training Institute in Western Maharashtra. And Mr. Yogesh Patil is the trainer for C Programming and Coding Software. 35 Student from SE and TE Mechanical was take a part in this VAP Activity which is held at SIT COE, in AUTODESK LAB. They cover maximum tools of C Programming and Coding as well as they give Mini and Mega Project to Student. And after completion of their projects they provide certificate to them. Total 65 hr (One week) training is provided by Archer InfoTech, Sangli. On C Programming and Coding.

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## Glimpses of VAP





## **MESA Activity**

Department	:-	Mechanical Engineering
Activity Title	:-	Engineers Day Celebration and Technical Events
Activity conducted date and time	:-	15 <sup>th</sup> September 2018
Resource person for Activity	:-	---
Class	:-	SE, TE, BE Mechanical students
Purpose	:-	To enhance the Technical as well as Non-Technical skills of students by conducting various events.
No of students Participated	:-	110

### Summary:-

The MESA committee organized the event of AutoCAD Mania, ISO Maker and Game Fever at College Level on the Occasion of 'Engineers Day'. The AutoCAD Mania competition is based on AutoCAD software. Two rounds are taken for the same based on 2-D and 3-D drawings and take out two winners based on various skills. Total 12 students were participated from the class SE, TE & BE. In the event of AutoCAD Mania, Shubhangi Tukshetti and Shubham Ladgot the prizes.

ISO Maker event based on Engineering graphics organized and total 34 students were participated for the same. Amrut Jadhav got the first prize in ISO Maker event.

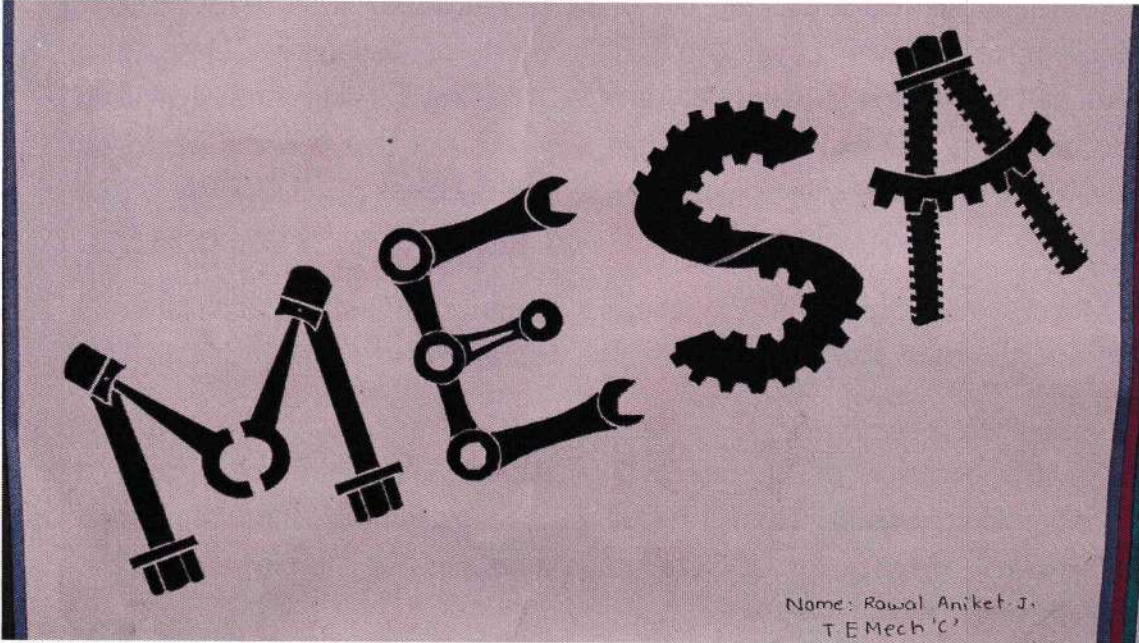
Also, on the occasion of Engineers Day, the MESA committee organized LOGO & Slogan Competition. Total 18 students are participated and Ms. Kajal Mulla from TE class got prize for LOGO Competition and Mr. Dhiraj Patil got the Prize for Slogan competition.

Photographs:

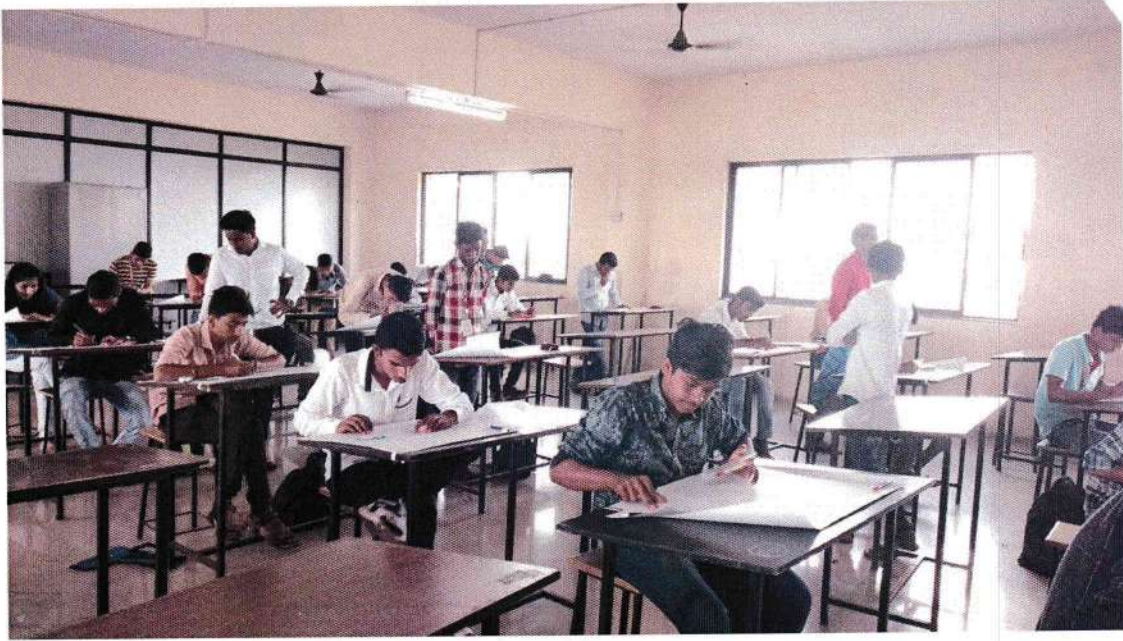
AutoCAD Mania



Logo and slogan competition







## Prize Distribution

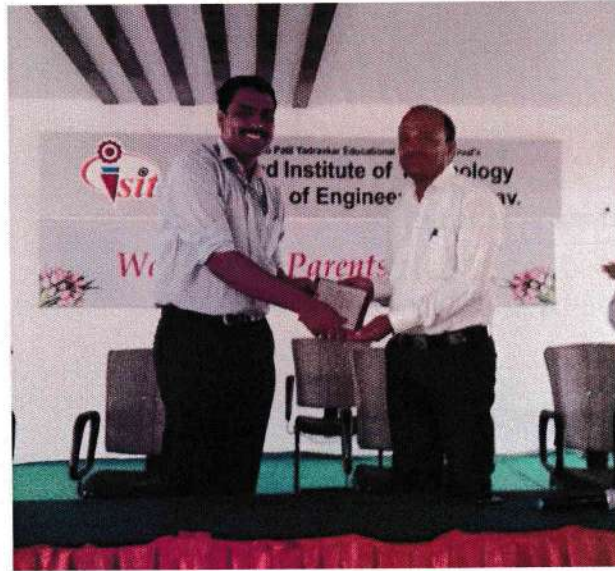


Department	:-	Mechanical Engineering
Activity Title	:-	Guest Lecture on "GATE Exam Awareness"
Activity conducted date and time	:-	19 <sup>th</sup> September 2018
Resource person for Activity	:-	Dr. S. R. Desai, HOD, Automobile Dept. , RIT, Islampur
Class	:-	SE, TE, BE Mechanical students
Purpose	:-	To create awareness in students mind about GATE Exam and advantages of the same
No of students Participated	:-	80
<p>Summary:-</p> <p>The MESA committee organized the Guest Lecture for the students of SE, TE and BE students to create awareness about GATE Exam and advantages of giving</p>		



GATE exam. Dr. S. R. Desai was the guest who is HOD of Automobile Department in RIT, Islampur.

He had given the detailed information related to GATE Exam and also told the opportunities to students after giving the exam. Also given the information about opportunities in Public Sector depend on GATE Score.





Department	:-	Mechanical Engineering
Activity Title	:-	Impetus 2K18
Activity conducted date and time	:-	22 <sup>th</sup> September 2018
Resource person for Activity	:-	---
Class	:-	SE, TE, BE Mechanical students
Purpose	:-	Technical Event / Curricular and Extra Curricular Activity
No of students Participated	:-	69
<p>Summary:-  <b>On behalf of Engineers Day We are conducting A Technical Event Impetus. Maximum Mechanical Student from our Institute is participated in it.</b></p> <p><b>Total No of Entry : 100 + (for both Event)</b></p> <p><b>NAME OF EVENT</b></p> <p><b>1) TECHNICAL PAPER PRESENTATION</b></p> <p>TOPICS:</p> <ol style="list-style-type: none"> <li>1. Bio degradable Polymers</li> <li>2. Ablative Materials</li> <li>3. Cryogenic grinding</li> </ol>		



4. Active rollover protection system in automobile
5. Aero spikes
6. Space Elevators
7. Under water windmills
8. Thermoacoustic Refrigerator

**Rules:**

- 2) Maximum Two Participants.
- 3) Bring spiral hard copy of report at the time of presentation.

**Student Co-ordinators**

- 1) Abhishek Jagtap
- 2) Jagdish Choudhary

**2) Mock Campus (A contest on campus interview rounds)**

Stage: 1) Aptitude Test

2) Rapid Fire

3) Ex-Tempore

Rule: Maximum 2 Participants

**Student Co-ordinators**

- 1) Shoheb Shaikh
- 2) Tanvir Mulla
- 3) Chetan More
- 4) Kajal Mulla

**NAME OF WINNERS:**

**1. PAPER PRESENTATION:**

WINNER: 1) Mehrunisa Shaikh

RUNNER UP: 1) Amrut Jadhav & Amey Panade

**2. MOCK CAMPUS:**

Winner: 1) Uday Patil & Ranjit desai

Runner up- Sourabh Sutar & shreyas Patil







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Gat No. 525,473/A Behind Onkareshwar Temple Yadav-Ichalkaranji,  
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