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# SYNERGY 35

A Half Yearly News Magazine

July 2022 – December 2022

## Department of Mechanical Engineering





## Placement of Mechanical Engineering Students: 2021-2022

Placement of Mechanical Engineering Students: 2021-2022

We are happy to share that our 75 Mechanical Engineering students have been selected by reputed companies in campus recruitment.

Congratulations!!!

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# PLACEMENT 2021-22

## Department of Mechanical Engineering

 PRADNYA GONDKAR ARULAS TECHNOLOGY	 YOGESH KALEKAR ARNO TECH	 ANIKET JADHAV BHARAT FORGE	 KEDAR CHIVATE BHARAT FORGE	 PRATIK KOTHALE BHARAT FORGE	 SHREYAS MUDHOL BHARAT FORGE	 APURVA KABAODE BLECHTEK SOLUTIONS
 ADITI MAGAR INFOSYS	 AISHWARYA PATIL INFOSYS	 APARNA MADIWAL INFOSYS	 PRABHU JIRASE INFOSYS	 ROHIT KAMBLE INFOSYS	 RUTIK JANKAR INFOSYS	 RUTIK SAWANT INFOSYS
 SANKET KAMBLE INFOSYS	 SANKET KAWADE INFOSYS	 SAURABH ADARSHI INFOSYS	 SHRADDHA PATIL INFOSYS	 SHREYAS LATHE INFOSYS	 SIDDHARAJ PARAMANI INFOSYS	 OMKAR PATHI LA T ENERGY
 NIRUL SHAH LEAD SQUARE	 VAISHNAVI BHURKE MERCEDES BENZ	 RAJVARDHAN KUMBHAR NOVUS NEXUS	 SATEJ GANGARE NOVUS NEXUS	 ANIKET ANUSE TCS	 GANESH RAUT TCS	 NIKHIL MULLE TCS
 PARVEZ MULLAN TCS	 SANKET KONE TCS	 ANIKET AUROGLE THERMAX	 MAHESH BANNE THERMAX	 POOJA KARNE THERMAX	 SAKSHI SHINDE WIPRO	 SNEHAL KETKALE WIPRO
 SOURABH SHINDE THERMAX	 DHANRAJ SAWATE WIPRO	 VAIBHAV BUDAKE WIPRO PARI	 DHANASHRI KAMBLE WIPRO	 PRADYUMN PATIL WIPRO		



**It is our pride to share that, Mr. Vishwajeet Magdum, from Mechanical Engineering, has secured admission at a very well-known Institute in Germany**

It is our pride to share that, Mr. Vishwajeet Magdum, from Mechanical Engineering, has secured admission at a very well-known Institute in Germany - 'Ostfalia University of Applied Sciences to pursue MS in 'Automotive Service Technology and Processes.

#DKTE #DKTEMechanical

Congratulations!!!



**D.K.T.E. SOCIETY'S  
TEXTILE & ENGINEERING INSTITUTE**

(An Autonomous Institute: NAAC Accredited with A+ Grade)

**Selected in  
Ostfalia University-Germany  
for MS in 'Automotive Service Technology and Processes'**



**Mr. Vishwajeet Magdum  
(Mechanical Engineering)**



***Congratulations***



**Mr. Prahalad Sawant Badkar from Mechanical Engineering Department of our institute has been awarded Ph.D. in Mechanical Engineering by Visvesvaraya Technological University, Belgaum (VTU)**

Mr. Prahalad Sawant Badkar from Mechanical Engineering Department of our institute has been awarded Ph.D. in Mechanical Engineering by Visvesvaraya Technological University, Belgaum (VTU) under the guidance of Dr. M. M. Benal, Principal, Government Engineering College,Challakere, Chitradurga, Karnataka. He has carried out the doctoral research work entitled "Experimental and Numerical Analysis of Powerloom for Suppression of Vibration and Noise ". This Kind of research work helps to provide the useful information to the industries to reduce the vibration and noise level. He has published seven research papers in International Journals and Conferences(Scopus indexed) based on his research.

He was felicitated at the auspicious hands of our Chairman Hon'ble Shri. K.B.Awade. Director Prof. (Dr.) P.V. Kadole and HOD of Mechanical Engineering Department Prof. (Dr.) V.R. Naik were present on this occasion.

Congratulations!!





## DKTE Lead college Cluster organised Two days workshop on Intellectual Property Rights (IPR)

DKTE Lead college Cluster organised Two days workshop on Intellectual Property Rights (IPR) DKTE Lead college cluster in collaboration with Shivaji University, Kolhapur, DKTE's Internal quality assurance Cell (IQAC), AICTE DKTE Idea Lab, Mechanical and Civil Engineering Departments organized two days workshop on the topic, "Intellectual Property Rights (IPR)" during 26/08/2022 and 27/08/2022. This workshop was organised for students and faculties. Resource persons for this workshop were Mr. Dhruv Brahmabhatt, Managing Director and Miss. Pooja Menon, Chief Operating Officer both from MYCrave consultancy and services, Vadodara, Gujarat. The coordinating team for this workshop was comprised of Prof. V. A. Kamble, Prof. R. R. Kolhapure, Prof. S.K. Patil, Mrs. S.V. Varne and Prof. S.B. Rayjadhav. In the inaugural function of the workshop, Prof. Dr. U. J. Patil (Dy. Director) addressed the audience regarding the importance and benefits of IPR in the present scenario. Prof. Dr. V.R. Naik (Chairman IQAC), Prof. Dr. V. D. Shinde (Coordinator AICTE DKTE Idea Lab) and Prof. Dr. M.B. Chougule (Lead college coordinator) were present for the workshop. The Workshop was highly informative to students, teachers and Research Scholars. The workshop provided valuable awareness and Insight into the various aspects of IPR. Mrs. S.V. Varne proposed a vote of thanks in the concluding session.



## Two days workshop on Intellectual Property Rights (IPR)

DKTE Lead college cluster in collaboration with Shivaji university, Kolhapur, DKTE's Internal quality assurance Cell (IQAC), AICTE Idea Lab @ DKTE, Mechanical and Civil Engineering Departments are organizing two days workshop on the topic, "Intellectual Property Rights (IPR)" during 26/08/2022 and 27/08/2022. This workshop is organised for students and faculties. Resource persons for this workshop will be Mr. Dhruv Brahmbhatt, Managing Director and Miss. Pooja Menon, Chief Operating Officer both from MYCrave consultancy and services, Vadodara, Gujarat. Prof. V. A. Kamble will be faculty co-ordinator of this workshop. The workshop focuses on different aspects of Intellectual Property Rights (IPRs), Conversion of the research project works into Patents. This workshop will bring a positive transformation in the research work of UG/PG Projects and other project research works. E-certificates will be given to all participants after successful completion of the workshop.



**D.K.T.E.SOCIETY'S**  
**TEXTILE & ENGINEERING INSTITUTE, ICHALKARANJI**  
(AN AUTONOMOUS INSTITUTE : NAAC ACCREDITED WITH 'A+' GRADE)  
**Lead College Cluster, Shivaji University, Kolhapur**



IN ASSOCIATION WITH

**MYCrave Consultancy and Services, Vadodara, Gujarat**

And

**IQAC, AICTE IDEA LAB DKTE, Mechanical and Civil Engineering Department**

**Is organizing**

# Two Days Workshop on INTELLECTUAL PROPERTY RIGHTS

**Date : 26<sup>th</sup> and 27<sup>th</sup> August 2022 Time: 10.30 AM**



Faculty Registration Link :  
<https://forms.gle/jgigyFP8bQuhspBb7>



**Ms. Pooja Menon**  
MYCrave Consultancy



**Mr. Dhruv Brahmbhatt**  
MYCrave Consultancy



Students Registration Link :  
<https://forms.gle/CsyXvRcENJbkdzHk6>

**Prof V. A .Kamble**  
Workshop Co-ordinator

**Prof. Dr. V. D. Shinde**  
AICTE IDEA LAB

**Prof .Dr. V. R. Naik**  
IQAC Chairman

**Prof .Dr. M. B. Chougule**  
Co-ordinator LEAD College

**Prof. Dr. P. V. Kadole**  
Director (TEI), Chairman Lead college

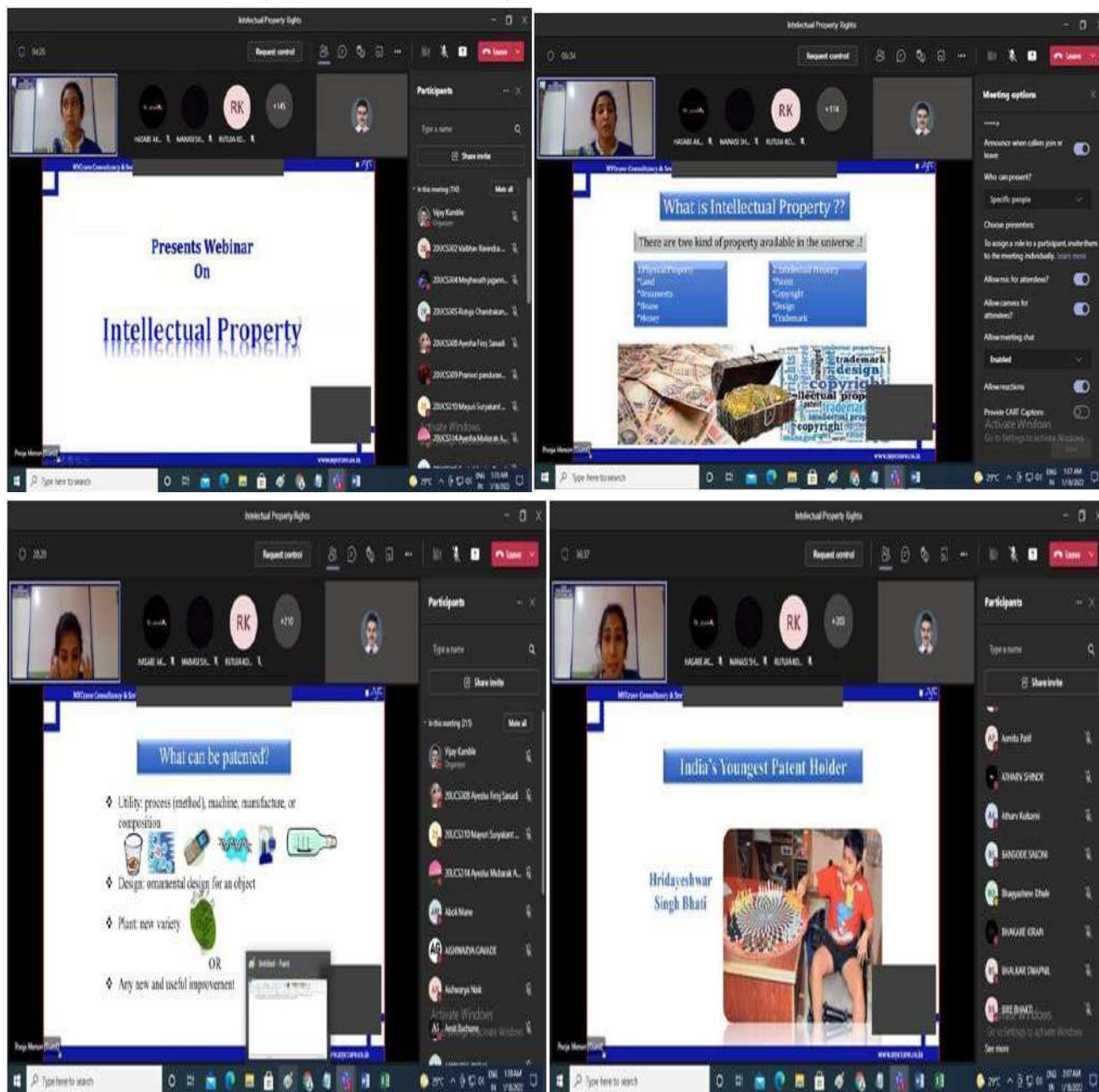
**Venue- Main Auditourium**

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## Webinar on “Intellectual Property Rights (IPR)” for Students

Webinar on “Intellectual Property Rights (IPR)” was organised on Wednesday, 18th January 2022 for the students of Third year B.Tech. of all branches. Session was conducted by Ms. Puja Menon from MyCrave Inc. Vadodara. During the session, various types of IPR like utility patent and design patent were explained with related examples. Typical products as well as case studies were shared to students followed by question answer session. This webinar was coordinated by Prof. V.A. Kamble, (Mechanical Dept.), Prof. Vivek Kheradkar (CSE Dept.) and Prof. Dr. V.R. Naik (HOD, Mech.Engg.).



## BOS Meeting of Mechanical Engineering

Board of Studies (BOS) Meeting of Mechanical Engineering was organized on Thursday, 30th June 2022 through online mode. Prof. (Dr.) V. R. Naik, Chairman and Head of Department, Mechanical Engineering, welcomed all the BOS members and appreciated the support extended by them. Prof. (Dr.) Jayant Kittur, Principal, Gogte Institute of Technology,

Belgaum, Prof. (Dr.) Raju S. Pawade, Professor, Dr.Babasaheb Ambedkar Technological University, Lonere, Prof. (Dr.) Anil Acharya, Government College of Engineering, Karad, Prof. (Dr.)Anantkumar Gujar D Y Patil COE & Technology, Kasaba Bawada, Kolhapur and Mr. Sachine Chougule, Manager, Inteliment Technologies Pvt. Ltd. Pune attended the meeting. Senior faculty members from department were also present in the meeting.Dr. V. R. Naik shared presentation as per the agenda points. BOS members gave their valuable suggestions, inputs and comments related to various academic activities conducted. BOS members appreciated efforts put in by department for successful conduction of academic activities, training and placement of the students.

**CREDITS OF THIRD YEAR B.TECH**

C200 Paper Type	C2001 (C200 paper I (Open))	C20011 (C200 paper I (Open))
Open Section - all other Mechanical in other department		
M2.06	Industrial Automation - (Credit)	
M2.07	Mechanisms - (TRAX, TFC)	
M2.08	Mechanisms - (TFC, TFC)	

**TOTAL CREDITS OF B.TECH MECHANICAL ENGG.**

Course	Sem	Credits
First Year	Sem I	19
First Year	Sem II	20
Second Year	Sem I	23
Second Year	Sem II	24
Third Year	Sem I	25
Third Year	Sem II	25
Final Year	Sem I	20
Final Year	Sem II	20
Total		176

**Third Year B.Tech Semester I**  
M2.06: Theory of Machines II

Learning Scheme	Evaluation Scheme
Lecture	30%
Practical	30%
Final Credits	40%
	30%
	40%
	40%

**Prerequisite:** Dynamics/Mechanics, Theory of Machines I

**Course Objectives:**

- Understand the kinematics and dynamics of machine.
- Acquire the necessary knowledge of gears, bearings of machines, gyroscopes.

**Prof. K.K. Powar**  
Editor.

**Prof. (Dr.) V. R. Naik**  
Advisor.