

MECHANICAL ENGINEERING

Newsletter

2022-23



DKTE

**D.K.T.E. SOCIETY'S
YASHWANTRAO CHAVAN
POLYTECHNIC, ICHALKARANJI**

R.S. No. 644, Sangli Road, Near Adinath Housing Society, **Ichalkaranji** - 416115,
Dist.: Kolhapur. Maharashtra Phone: (0230) 2436612, 7350766800
E-mail: dkteycp@gmail.com | **Website:** www.dkteycp.ac.in

DEPARTMENT VISION

To provide best quality technical education in the field of mechanical engineering to create skilled technocrats to serve industry and society.

DEPARTMENT MISSION

1. To provide a platform to the students towards attaining quality education in mechanical engineering.
2. To create appropriate industrial interaction to meet ever-changing demands of industry.
3. To mould students for lifelong learning skills to face challenges with innovations.

EDITORIAL BOARD



Mr. Rahul Poipkar
(TY Mechanical)

The three years of learning at DKTE YCP have been equivalent to several years of transition and evolvment. It was like a full life journey where gradually I grew from an ordinary school boy to a promising corporate professional.



Mr. Soham Birnale
(SY Mechanical)

I wish to share with my friends from the current and upcoming batches, a lesson for lifetime that I learnt at DKTE YCP, there is no substitute to great education... have great learning experience at DKTE YCP!!!



HOD DESK

Prof. M. M. Kadam (Head of Department)

I am very happy to publish the newsletter of our mechanical department this shows curricular and co-curricular activities conducted by the student and the faculty. This newsletter is the during academic year 2022-23. I congratulate to my all team member for the constant efforts for the departmental newsletter. I am also very happy and grateful to our management.



EDITORIAL DESK

Prof. S. U. Misal (M.E. Mechanical)

We are pleased to share with you Annual Department Newsletter, I would also like to take this opportunity to thank the contributors of the newsletter, for their constant support in making this e-newsletter a success. We wish to engage and encourage more experts working in the regulatory domain to share their contribution. If you would like to discuss any questions or feedback, please contact us.

STUDENT ACHIEVEMENTS

PLACEMENT

Name of Department	Name of Company	No of Student placed	Package Offered/ Yearly in LPA
Mechanical Engineering	Aptiv Components Ltd Pune	2	5.75
	Cummins India Ltd Pune	10	2.15
	GE Aveation Ltd Pune	4	2.15
	Kirloskar Pneumatics Ltd Pune	2	2.15
	Tata Technologies Ltd Pune	3	4.15
	L&T Defence SSC Pune	5	2.15
	Thermax Ltd Pune	3	2.15
	Tata Hitachi	1	4
	Wilo Pumps	1	3.75
	Wipro Pari Ltd	1	3.05

DKTE D.K.T.E. SOCIETY'S
YASHWANTRAO CHAVAN POLYTECHNIC, ICHALKARANJI

Hearty Congratulations!
for being placed in

TATA TECHNOLOGIES

PACKAGE - 3.15 Lpa

VISHAL BANDARKAR (Mechanical TY)
ANIKET LOHAR (Mechanical TY)
PRATIK KALLANNAWAR (Mechanical TY)
ABHISHEK CHIKHALE (Mechanical TY)

DKTE D.K.T.E. SOCIETY'S
YASHWANTRAO CHAVAN POLYTECHNIC, ICHALKARANJI

Hearty Congratulations!
for being placed in

THERMAX

PACKAGE - 2.15 Lpa

DKTE D.K.T.E. SOCIETY'S
YASHWANTRAO CHAVAN POLYTECHNIC, ICHALKARANJI

Hearty Congratulations!
for being placed in

GE Aviation

PACKAGE - 2.15 Lpa

DKTE D.K.T.E. SOCIETY'S
YASHWANTRAO CHAVAN POLYTECHNIC, ICHALKARANJI

Hearty Congratulations!
for being placed in

Kirloskar Pneumatic

PACKAGE - 2.15 Lpa

STUDENT ACHIEVEMENTS

APTIV , Pune 5.75 Lpa	
1	Rahul Poipkar
2	Sarvajit Narmade
Schneider Electric Ltd., Mumbai 3.75 Lpa	
1	Rahul Poipkar
Thermax, Pvt. Ltd. Pune 1.8 Lpa	
1	Sujal Amale
2	Sarvajit Narmade
3	Rahul Poipkar
4	Aditya Mane
5	Sohan Jadhav
Cummins India Ltd, Pune 2.1 Lpa	
1	Marshal Kamate
2	Sarvajeet Narmade
3	Rahul Poipkar
4	Sujal Badave
5	Anuradha Neje
6	Aditya Mane
7	Omprathamesh Varute
8	Rutuja Gondhali
9	Dhanashree Jadhav
10	Sujal Aamale
GE Aveation Ltd Pune 2.1 Lpa	
1	Sarvajeet Narmade
2	Sujal Badave
3	Rahul Poipkar
4	Prajakta Devkate
Kirloskar Pneumatics Ltd, Pune 2.1 Lpa	
1	Adiya Mane
2	Sarvajeet Narmade
Tata Technologies Ltd Pune 4.15 Lpa	
1	Prajakta Devkate
2	Sarvajit Narmade
3	Sujal Badave
Tata Hitachi 4Lpa	
1	Adiya Mane
L&T Defence SSC Pune 2.15Lpa	
1	Sarvajit Narmade
2	Sujal Badave
3	Aditya Mnae
Wilo Pumps 3.75 Lpa	
1	Soham Jadhav
Wipro Pari Ltd 3.05 Lpa	
1	Suyash Solapure

EXPERT LECTURES & WORKSHOP

Department of Mechanical Engineering has organized Guest lectures These Guest Lectures are very helpful to students to improve their field work skills and industrial experience knowledge. Also it is important for their academic point of view. Students took participation very interestingly and made very good interaction with Guest.

SR NO	NAME OF EXPERT	TOPIC
1	Mr. Ajinkya Dixit. Founder Aerobotix Techsolutions, Kolhapur	Drone Technology
2	Mr.S.B.Rayjadhav	Advances in Manufacturing Processes
3	Mr.J.D. Magdum	Expert lecture (thermal Engg)
4	Mr.P.A.Madane	Guest Lecture on Refrigeration and Air Conditioning



ADVANCES IN MANUFACTURING PROCESSES



THERMAL ENGG. EXPERT LECTURE



**GUEST LECTURE ON REFRIGERATION AND
AIR CONDITIONING**



DRONE TECHNOLOGY

STUDENT ACHIEVEMENTS

TY TOPPERS

DKTE D.K.T.E. SOCIETY'S
YASHWANTRAO CHAVAN POLYTECHNIC, ICHALKARANJI

Congratulations!

TY MECHANICAL

TOPPERS IN WINTER 2022

Rank	Name	Percentage
1 st RANK	Mr. Rahul Rajesh Poipkar	91.40%
2 nd RANK	Mr. Aditya Kiran Mane	87.50%
3 rd RANK	Mr. Sahil Pavananjay Chougule	85.00%

DKTE D.K.T.E. SOCIETY'S
YASHWANTRAO CHAVAN POLYTECHNIC, ICHALKARANJI

TY MECHANICAL

TOPPERS IN SUMMER 2023

Congrats!

Rank	Name	Percentage
1 st RANK	Mr. Rahul Rajesh Poipkar	87.13%
2 nd RANK	Mr. Aditya Kiran Mane	86.62%
3 rd RANK	Mr. Sahil Pavananjay Chougule	82.56%

SY TOPPERS

DKTE D.K.T.E. SOCIETY'S
YASHWANTRAO CHAVAN POLYTECHNIC, ICHALKARANJI

Congratulations!

SY MECHANICAL

TOPPERS IN WINTER 2022

Rank	Name	Percentage
1 st RANK	Mr. Sammed Sunil Patil	85.58%
2 nd RANK	Mr. Soham Sanjay Birnale	80.63%
3 rd RANK	Mr. Prathamesh Balaso Sutar	78.84%

DKTE D.K.T.E. SOCIETY'S
YASHWANTRAO CHAVAN POLYTECHNIC, ICHALKARANJI

SY MECHANICAL

TOPPERS IN SUMMER 2023

Congrats!

Rank	Name	Percentage
1 st RANK	Mr. Sammed Sunil Patil	87.75%
2 nd RANK	Mr. Omkar Pandurang More	82.25%
3 rd RANK	Mr. Soham Sanjay Birnale	81.38%

FY TOPPERS

DKTE D.K.T.E. SOCIETY'S
YASHWANTRAO CHAVAN POLYTECHNIC, ICHALKARANJI

Congratulations!

FY MECHANICAL

TOPPERS IN WINTER 2022

Rank	Name	Percentage
1 st RANK	Mr. Omkar Motiram Darade	80.00%
2 nd RANK	Mr. Mustaqim Rahim Walvekar	79.00%
3 rd RANK	Ms. Sanjana Ramesh Chougule	76.14%

DKTE D.K.T.E. SOCIETY'S
YASHWANTRAO CHAVAN POLYTECHNIC, ICHALKARANJI

FY MECHANICAL

TOPPERS IN SUMMER 2023

Congrats!

Rank	Name	Percentage
1 st RANK	Mr. Omkar Motiram Darade	85.73%
2 nd RANK	Mr. Vedant Santosh Chavan	77.60%
3 rd RANK	Mr. Mustaqim Rahim Walvekar	76.27%
3 rd RANK	Mr. Omkar Ashok Patil	76.27%



FACULTY ACHIEVEMENTS

PAPER PUBLICATIONS

Sr No	Name of Faculty	Details of Paper Publication	No of paper Published
1	Mr. Bharat Ashok Tare	Effect of Mold Properties on the Mechanical Properties of Gray Cast Iron- Review. IJRAR April 2023, Volume 10 , Issue 2	1
2	Mr. Suhas Udaysing Misal	Cycle Time Reduction & Quality Improvement for Manufacturing Manifold of Power Pack Assembly Volulme8,Issue1,Year 2023	3
		Inclined Aluminum Vertical Plate Experimental Investigation of Natural convection Heat Transfer with V-Shaped Fins Attached Volum-8, Issue-1(January-April,2023)	
		To Study the Tensile properties of Carbon Steel using UTM Volume-10,Issue 6,June 2023	
3	Mr. Abhijeet Ramesh Savalwade	Power Generation of Multi – Axis Windmill Volume-8, Issue-2 (May-August,2023)	3
		Inclined Aluminum Vertical Plate Experimental Investigation of Natural convection Heat Transfer with V-Shaped Fins Attached Volum-8, Issue-1(January-April,2023)	
		To Study the Tensile properties of Carbon Steel using UTM Volume-10,Issue 6,June 2023	
4	Mr. Swapnil Kallappa Hingangave	Power Generation of Multi – Axis Windmill Volume-8, Issue-2 (May-August,2023)	3
		Inclined Aluminum Vertical Plate Experimental Investigation of Natural convection Heat Transfer with V-Shaped Fins Attached Volum-8, Issue-1(January-April,2023)	
		To Study the Tensile properties of Carbon Steel using UTM Volume-10,Issue 6,June 2023	
5	Mr. Ajay Ananda Bavachkar	Power Generation of Multi – Axis Windmill Volume-8, Issue-2 (May-August,2023)	2
		Inclined Aluminum Vertical Plate Experimental Investigation of Natural convection Heat Transfer with V-Shaped Fins Attached Volum-8, Issue-1(January-April,2023)	
6	Mr. Vinayak Chandrakant Gavali	Inclined Aluminum Vertical Plate Experimental Investigation of Natural convection Heat Transfer with V-Shaped Fins Attached Volum-8, Issue-1(January-April,2023)	1
7	Mr. Vijay Jambukumar Patil	Effect of Mold Properties on the Mechanical Properties of Gray Cast Iron- Review. IJRAR April 2023, Volume 10 , Issue 2	1
		Power Generation of Multi – Axis Windmill Volume-8, Issue-2 (May-August,2023)	
8	Mr. Mahesh Madan Kadam	Experimental Study of Composite Fiber with Epoxy Resin Volum-8, Issue-1 , January 2023	1

DEPARTMENT ACHIEVEMENTS

MOU's

LIST OF MOU's		
Sr. No.	Name of Organization	Activity Under MOU
1	Hi-Cast Industries , Hatkanagle	Industrial Visit, Inplant Training
2	DKTE TEI Ichalkaranji	Placement Support, Lab Training
3	SKY Industries	Industrial Visit, Inplant Training
4	I3D MINDS Ichalkaranji	Training, Lab Support
5	VM Industries Kolhapur	Industrial Visit
6	Carline Solutions	Industrial Visit, Expert Lecture
7	Jawahar Sahkari Sakhar Karkhana Hupari.	Industrial Visit, Training
8	CADD Centre Training Services Pvt.Ltd. Ichalkaranji.	Industrial Training, Workshop
9	Sukhmangal Industries	Industrial Visit, Inplant Training
10	I.I.T. Industrial Automation Training, Sangli	Industrial Visit, Inplant Training

SWAYAM & NPTEL COURSES

Sr. No.	Name of faculty	Course title
1	Mr. M. M. Kadam	Manufacturing process casting and welding
2	Mr. B. A. Tare	Educational Media
3	Mr. A. R. Savalwade	Condition Monitoring and Maintenance Management
4	Mr. V. C. Gavali	Refrigeration & Air Conditioning
5	Mr. V. J. Patil	Inspection & Quality Control in Manufacturing


**Hearty
Congratulations!**

DEPARTMENT ACHIEVEMENTS

2 Faculties are selected as Mentor of change for ATAL Innovation Mission NITI Aayog, Government of India.



Mr. M. M. Kadam
Jaysingpur College Jaysingpur, Kolhapur



Mr. S. K. Hingangave
S P Highschool, Kurundwad Kolhapur

Received Best Faculty of the Institute Award - 2K23



Received Best HOD of the Institute Award - 2K23



Received Best Lab Assistant of the Institute Award - 2K23



INDUSTRIAL VISIT

Industrial visit is a part of our curriculum seen more often in engineering course during which students visit companies and get insights regarding the internal working environment.

SR NO	NAME & ADDRESS OF INDUSTRY	SUBJECT	CLASS
1	Advance Measuring System Gokul Shirgon	EME	SY
2	Able Tool Gokul Shirgoan	TEN	TY
3	Shree Gurudatta Metals Gokul Shirgaon	TEN/MPR	SY
4	Vishwakarma Foundry Shirol	MEM/MPR	SY
5	Rocket Engineering	PEN	TY
6	Budale Engineering	TEN/MPR	TY



**SHREE GURUDATTA METALS
GOKUL SHIRGAON**



**VISHWAKARMA FOUNDRY SHIROLI
MIDC**



**ADVANCE MEASURING SYSTEM GOKUL
SHIRGON**



ROCKET ENGINEERING SHIROLI



ABLE TOOL GOKUL SHIRGOAN



BUDALE ENGINEERING SHIROLI

EVENTS

SR NO	NAME OF ACTIVITIES	DATE	NO. OF PARTICIPATE
1	Lathe Booster	19/11/2022	21
2	Paper Presentation	19/11/2022	31

Lathe Booster



PAPER PRESENTATION



About Mechanical Engineering

Diploma in Mechanical Engineering is a discipline of engineering that applies the principles of physics and materials science for analysis, design, manufacturing and maintenance of mechanical systems. It is the branch of engineering that involves the production and usage of heat and mechanical power for the design, production and operation of machines and tools. It is one of the oldest and broadest engineering disciplines.

The Department of Mechanical Engineering (Diploma) was established in the year 2012 with intake of 60. The department has well qualified faculty and experienced staff supported with well-equipped laboratories, computing facilities and skilled technical staff. The faculty has participated in several academic activities. The Department of Mechanical Engineering provides an excellent learning environment with state-of-the-art facilities and qualified academic staff. The Department of Mechanical Engineering providing an excellent platform for Students to develop professional/technical skills to succeed in life.

- ✓ 3D Printing
- ✓ Automation & Robotics
- ✓ Hydraulics & Pneumatics
- ✓ CNC Machine
- ✓ E- Vehicles
- ✓ Energy Audit & Management

Year of Establishment	2012
Year of NBA Accreditation	2022 (For 3 years 2023 to 2025)
Head of Department	Prof. M. M. Kadam
Email	kadammmyp@gmail.com
Mobile	9011694871/9561649391
Total number of Classrooms	03
Total number of Laboratories	10
Total Faculty	10
Total Lab Assistant	02
Supporting Non-Technical staff	03