

MECHANICAL ENGINEERING

Newsletter

2023-24



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. Chandrakant Koravi
(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. Mustaqim Walvekar
(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 2023 - 24. 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

Sr. No	Name of the Company	Total Student Placed	Highest Package
1	Schneider Electric India Ltd Mumbai	04	3.75 LPA
2	Wipro- Pari Ltd Pune	03	3.05 LPA
3	Kirloskar Pneumatics Ltd	03	2.25 LPA
4	KSB Pumps Ltd Pune	04	2.25 LPA
5	L&T Defense, Talegaon Pune	10	2.25 LPA
6	Tata Technologies Ltd Pune	01	4.15 LPA
7	Spark Minda Ltd Pune	01	4.5 LPA

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ICHALKARANJLI.



DKTE

10
Students Placed
with

PACKAGE
4.15
LAKH/YEAR

Hearty Congratulations!

D.K.T.E. SOCIETY'S
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ICHALKARANJLI.



DKTE

07
Students Placed
with

PACKAGE
3.05
LAKH/YEAR

Hearty Congratulations!

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



DKTE

13
Students Placed
with

PACKAGE
3.75
LAKH/YEAR

Hearty Congratulations!

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



DKTE

30
Students Placed
with

PACKAGE
2.15
LAKH/YEAR

Hearty Congratulations!

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



DKTE

05
Students Placed
with

PACKAGE
2.15
LAKH/YEAR

Hearty Congratulations!

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



DKTE

04
Students Placed
with

PACKAGE
2.1
LAKH/YEAR

Hearty Congratulations!

STUDENT ACHIEVEMENTS

Sr. No.	Name of Student	Class	Name of Event/ Activity	Achievements	Date of activity	Venue (College Name)
1	Mr. Soham Birnale	TY MECH	Quiz Competition	Third Rank	23/02/2024	New Polytechnic, Kolhapur
2	Mr. Fardin Sayyad	TY MECH	Quiz Competition	Third Rank	23/02/2024	New Polytechnic, Kolhapur
3	Mr. Soham Birnale	TY MECH	Paper Presentation	Second Rank	24/02/2024	Dr. Bapuji Salunkhe Institute of Engineering & Technology, Kolhapur.
4	Mr. Fardin Sayyad	TY MECH	Paper Presentation	Second Rank	24/02/2024	Dr. Bapuji Salunkhe Institute of Engineering & Technology, Kolhapur.
5	Mr. Fardin Sayyad	TY MECH	Poster Presentation	Second Rank	29/02/2024	Dr. JJM COE, Jaysingpur
6	Mr. Fardin Sayyad	TY MECH	Design & Manufacturing	First Rank	29/02/2024	Dr. JJM COE, Jaysingpur
7	Mr. Soham Birnale	TY MECH	Design & Manufacturing	First Rank	29/02/2024	Dr. JJM COE, Jaysingpur
8	Mr. Pruthviraj Bhapkar	TY MECH	Design & Manufacturing	First Rank	29/02/2024	Dr. JJM COE, Jaysingpur
9	Mr. Soham Birnale	TY MECH	National Level Project Competition	Third Rank	20/03/2024	Sanjay Ghodawat Polytechnic, Atigre
10	Mr. Fardin Sayyad	TY MECH	National Level Project Competition	Third Rank	20/03/2024	Sanjay Ghodawat Polytechnic, Atigre
11	Mr. Pruthviraj Bhapkar	TY MECH	National Level Project Competition	Third Rank	20/03/2024	Sanjay Ghodawat Polytechnic, Atigre
12	Mr. Sammed Khot	TY MECH	National Level Project Competition	Third Rank	20/03/2024	Sanjay Ghodawat Polytechnic, Atigre

EXPERT LECTURES & WORKSHOP

Sr. No	Name of the Guest	Subject	Department
1	Mr. Suhas Deshpande	Thermal Engineering	Mechanical Engineering Department
2	Mr. Pramod Shinde	Automobile Engineering	Mechanical Engineering Department
3	Prof. Amar Kamble	Entrepreneurship Development	Mechanical Engineering Department
4	Prof. J.D.Magdum	Power Engineering	Mechanical Engineering Department
5	Pro.Dr.Mahesh Wagh	Renewable Energy Technology	Mechanical Engineering Department







STUDENT ACHIEVEMENTS

DKTE D.K.T.E. SOCIETY'S
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FY
MECHANICAL

TOPPERS IN WINTER 2023







 1 st RANK	 2 nd RANK	 3 rd RANK
Mr. Tiwari Mayuresh Kalyankumar 86.71%	Ms. Meherkar Shravani Sachin 86.00%	Mr. Kumbhar Prathmesh Chandrakant 83.29%

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

SY
MECHANICAL

TOPPERS IN WINTER 2023







 1 st RANK	 2 nd RANK	 3 rd RANK
Mr. Walvekar Mustaqim Rahim 81.26%	Ms. Divate Shweta Yalgonda 78.21%	Mr. Patil Akash Shivputra 77.05%

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

TY
MECHANICAL

TOPPERS IN WINTER 2023






 1 st RANK	 2 nd RANK	 3 rd RANK
Mr. Patil Sammed Sunil 88.76%	Mr. Koravi Chandrakant Suresh 86.29%	Mr. Sayyad Fardin Javed 85.05%

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

MECHANICAL DEPARTMENT

FY

TOPPERS IN SUMMER 2024

 1 st RANK	 2 nd RANK	 3 rd RANK
Ms. Meherkar Shravani Sachin 89.44%	Mr. Tiwari Mayuresh Kalyankumar 86.11%	Ms. Yadav Suhani Virendra 85.89%


SY




TOPPERS IN SUMMER 2024

 1 st RANK	 2 nd RANK	 3 rd RANK
Mr. Walvekar Mustaqim Rahim 86.00%	Ms. Divate Shweta Yalgonda 82.00%	Mr. Galage Nikhil Dipak 79.00%

TY

TOPPERS IN SUMMER 2024



 1 st RANK	 2 nd RANK	 3 rd RANK
Mr. Koravi Chandrakant Suresh 93.44%	Mr. Patil Sammed Sunil 92.00%	Mr. Sayyad Fardin Javed 90.00%

We proudly acknowledge the outstanding academic achievements of our students in the Mechanical Department. Their dedication to learning, exceptional performance, and commitment to excellence are truly inspiring. Each achievement, whether it's acing a challenging exam, conducting groundbreaking research, or excelling in collaborative projects, reflects the hard work and determination that our students embody.

These successes not only showcase individual talent but also highlight the supportive environment we've cultivated together. As we celebrate these milestones, let them serve as motivation for all of us. Remember, every step you take in your academic journey brings you closer to your goals. Keep striving for greatness and continue to push the boundaries of knowledge.

Congratulations..!



PAPER PUBLICATIONS

Sr. No	Name	Name of Department	Name of Publication	Topic
1	Mr. B. A. Tare Mr. V. J. Patil	Mechanical Engineering Department	International Journal of Science & Engineering Development Research	Finite Element based analysis of the effect of internal voids on the strength and stress distribution in automobile component- Review
2	Mr. M. M. Kadam Mr. A. R. Savalwade	Mechanical Engineering Department	GIS Science Journal	Preparation and Synthesis of Magnesium Nano Crystalline Ferrite by Sol-gel method
3	Mr. S. U. Misal Mr. V. C. Gavali	Mechanical Engineering Department	International Journal of Science & Engineering Development Research	Experimental Study on Velocity Ratio and Mechanical Efficiency of Differential Wheel and Axle Mechanisms
4	Mr. S. K. Hingangave Mr. A. A. Bavachkar Mr. S. S. Mullani	Mechanical Engineering Department	International Journal of Science & Engineering Development Research	Inclined Aluminum Vertical Plate Experimental Investigation of Natural Convection Heat Transfer with V Shaped Fins Attached
5	Mr. V. J. Patil	Mechanical Engineering Department	International Journal of Science & Engineering Development Research	“Effect of Mold Properties on the Mechanical Properties of Gray Cast Iron- Review”
			International Journal of Science & Engineering Development Research	“Power Generation of Multi-Axis Windmill”

MOU's

Sr. No.	List of MOU's
	Name of Organization
1	Hi-Cast Industries , Hatkanagle.
2	DKTE TEI, Ichalkaranji.
3	SKY Industries, Tilwani.
4	I3D MINDS, Ichalkaranji.
5	VM Industries, Kolhapur.
6	Carline Solutions, Ichalkaranji.
7	Jawahar Sahkari Sakhar Karkhana Hupari.
8	CADD Centre Training Services Pvt.Ltd. Ichalkaranji.
9	Sukhmangal Industries, Shahapur
10	I.I.T. Industrial Automation Training, Sangli
11	Ichalkaranji Engineering Association
12	Unique Auto Shafts, Ichalkaranji

SWAYAM & NPTEL COURSES

Sr. No	Department	Name of Faculty	Name of Course
1	Mechanical Engineering Department	Mr. V. J. Patil	Teaching and Learning in General Program: TALG
2	Mechanical Engineering Department	Mr. A. A. Bavachkar	Teaching and Learning in General Program: TALG
3	Mechanical Engineering Department	Mr. A. R. Savalwade	Teaching and Learning in General Program: TALG
4	Mechanical Engineering Department	Mr. S. K. Hingangave	Teaching and Learning in General Program: TALG
5	Mechanical Engineering Department	Mr. S. K. Hingangave	Manufacturing Processes- Casting and Joining
6	Mechanical Engineering Department	Mr. S. U. Misal	Brief Introduction to Psychology
7	Mechanical Engineering Department	Mr. S. U. Misal	Manufacturing Processes- Casting and Joining
8	Mechanical Engineering Department	Mr. M. M. Kadam	Refrigeration and Air Conditioning
9	Mechanical Engineering Department	Mr. V. C. Gavali	Power Plant Engineering
10	Mechanical Engineering Department	Mr. A. A. Bavachkar	Accreditation and Outcome Based Learning
11	Mechanical Engineering Department	Mr. S. K. Hingangave	Accreditation and Outcome Based Learning
12	Mechanical Engineering Department	Mr. S. U. Misal	Accreditation and Outcome Based Learning
13	Mechanical Engineering Department	Mr. S. S. Mullani	CAD/CAM Computer Aided Design/ Computer Aided Manufacturing

DEPARTMENT ACHIEVEMENTS

FACULTY UPGRADATION

Number of faculty Registered for ME/M.Tech

Sr. No.	Name Of Faculty	Qualification Up-Gradation	Institute	University	Remark
1	Mr. A. A. Bavachkar	M.E. (APPEAR)	AMGOI Vathar	BATU	Ongoing
2	Mr. A. R. Savalwade	M.E. (APPEAR)	PVPIT Budhgaon	BATU	Ongoing
3	Mr. S. S. Mullani	M.E. (APPEAR)	PVPIT Budhgaon	BATU	Ongoing

Number of faculty Registered for Ph.D.

Sr. No.	Name of Faculty	University
1	Mr. A. P. Kothali	SAGE University Indore
2	Mr. S. U. Misal	Shivaji University Kolhapur



Elite
NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
ABHIJEET RAMESH SAVALWADE
for successfully completing the course

Teaching and Learning in General Programs: TALG

with a consolidated score of **82** %

Online Assignments	20.83/25	Proctored Exam	61.5/75
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Total number of candidates certified in this course: **429**

TOPPERS
5%

Indian Institute of Science Bangalore

swayam
Free Online Education

Roll No: NPTEL23GE45S35070088 To verify the certificate No. of credits recommended: 1 or 2

Our faculty member **Mr. Abhijeet Ramesh Savalwade** from the Mechanical Engineering Department got a silver Medal in Four Week Swayam-NPTEL online certification course Teaching and learning in General programs: TALG. This course was organized in association with Indian Institute of Science, Bangalore.

INDUSTRIAL VISIT

Sr. No.	Name & Address Of Industry	Name Of Course	Date	Class (Year)
1	Mechasoft Pvt Ltd, Yadrav	AMP	21/08/2023	TY Mech
2	Rocket Engineering, Shirol	PER & TE/N	27/09/2023	TY Mech
3	Budhale and Sons, Shirol	PER & TEN	27/09/2023	TY Mech
4	Flame Industries, Jaysingpur	MEM & TEN	12/10/2023	SY Mech
5	Swabhimani Agro Products, Jaysingpur	MEM & TEN	12/10/2023	SY Mech
6	Radhanagari Dam , Radhanagari	FMM & RET	12/01/2024	SY Mech & TY Mech
7	R.M. Mohite Power Textile , Radhanagari	FMM & RET	12/01/2024	SY Mech & TY Mech
8	Om Sai Industries , Kaneri	MPR	17/01/2024	SY Mech
9	Maurya Industries, Kagal	MPR	17/01/2024	SY Mech
10	Vishwakarma Founders, Shirol	MPR	08/02/2024	FY Mech
11	Kirloskar Oil Engines, Kagal	IEQ	12/03/2024	TY Mech



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