

THE MECH SPECTRUM

A

Newsletter

from

Department of Mechanical Engineering

Academic Year: 2025-26

**Tatyasaheb Kore Institute of Engineering and
Technology (Diploma),
Warananagar**



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Ms.A.V.PATIL
Staff Editor

Mr.P.V.CHAVAN
Head of Mechanical Engineering Department

CHAIRMAN MESSAGE



Hon. Dr. Vinay Kore (Savakar Saheb)

Chairman

**Shree Warana Vibhag Shikshan Mandal
Warananagar**

TKIET (Polytechnic) is committed to provide quality education to the students enabling them to excel in the fields of Science, Engineering & Technology to cater the changing & challenging needs of society and industry.

CEO MESSAGE



Hon. DR. Vilas V. Karjinni

Chief Executive Officer

**Shree Warana Vibhag Shikshan Mandal
Warananagar**

It gives me immense pleasure to present before you - the academic world of Shree Warana Vibhag Shikshan Mandal & TKIETP, Warananagar

the belief envisioned creating better human beings, with roots embedded in strong academics. It is our endeavor to make a far-reaching and positive impact on the economies of the nation, through developing rural students by providing quality education.

We disseminate knowledge, encourage learning, and motivate students for participating in to co & extra-curricular activities to ensure overall development.

The eco-friendly campus, state-of-the-art infrastructure, enriched libraries, equipped laboratories, advanced tools of ICT and dedicated faculties helps students in attaining highest standards.

We are stanch to endow our students with latest knowledge and skills in the milieu of Indian culture and values to enable them to face challenges of life.

Thank you!

PRINCIPAL MESSAGE



Prof. Prashant R Patil

Principal

**T.K.I.E.T. (Polytechnic),
Warananagar**

Welcome to TKIET (Polytechnic), Warananagar...!!!!

TKIET Polytechnic was established in the year 2016 and managed by Shree Warana Vibhag

Shikshan Mandals (SWVSM). The Institute is approved by AICTE, New Delhi and affiliated to Maharashtra State Board of Technical Education, Mumbai. The Institution is the realization of the vision of our leader late Shri Tatyasaheb Kore to cater Quality Engineering education to the students. The Institute is committed to producing all round engineers to drive the country through the 21st century.

The Institute offers four courses with intake 180 at First Year Engineering Level, 10% of the first year intake for Direct Second Year (only through CAP round).. The Institute provides various scholarships and Post Graduate Fellowships to the meritorious students of its own resources. In addition, Institution allows full Tuition Fee Waiver to the top-scoring students in each Undergraduate Programme.

The institute is having a state of Art, sports facilities in the campus of 60 acres which includes Indoor Swimming Pool, Badminton Court, etc. For outdoor games, a playground for all major games like Football, Basketball, Cricket, Volleyball, (Athletics), Kho-Kho etc.

The foresighted educational vision of Hon. Management has given a sense of direction to the development of the Institution. The growth of institution is guided by the spirit of being “Always Learning Organization” which incorporates new and advance process in curricular and co-curricular activities to improve the quality of the teaching-learning process.

Thank You!

ABOUT THE DEPARTMENT

Mechanical Engineering is one of the most diverse and primitive branch of engineering. It remained always in demand and continues to be so in future. Hence it is evergreen branch. Mechanical Engineering finds application in all fields of technology, the need of mechanical engineers has increased exponentially over the decades. It involves design, manufacturing, maintenance of machines and mechanical systems. Besides this, Mechanical Engineering touches virtually every aspect of modern life and Mechanical Engineers has tremendous scope in automobile, Aerospace, Steel Industries, Power sector, Biotechnology, Manufacturing plants, petroleum, Marine Industry and Cement Industry etc. Opportunities exist worldwide for Mechanical Engineers and pay package is highly attractive. This new letter highlights the students and faculty achievements in the odd semester of academic year 2025-26

Mr. P.V.CHAVAN
Head of Mechanical Engineering

VISION OF THE DEPARTMENT

To provide an excellent education that creates the new opportunities for students to meet the current and future challenges of technological development in Mechanical Engineering.

MISSION OF THE DEPARTMENT

1. M-1: To provide sound technical foundation in Mechanical Engineering through comprehensive curriculum & application oriented learning.

2. M-2: To encourage culture of continuous teaching and learning process by adopting recent methodology and technology.

3. M-3: To increase employability through Industrial interaction and Entrepreneurship Development.

4. M-4: To enhance technical skills and social awareness.

STAFF EDITOR OF THE DEPARTMENT

The newsletter will serve as a platform where issues pertaining to the department can be raised, debated and solutions be arrived at and we expect the participation of both the faculty and the students. We are extremely glad to bring you the news-letter of Department of Mechanical Engineering.

Ms. A.V. Patil

Staff Editor, Department of Mechanical Engineering

DEPARTMENT ACTIVITIES

GUEST LECTURERS DELIVERED

Various experts having diversified experience in the field of mechanical engineering were invited in the department to update the knowledge of the students about the latest trends in mechanical engineering. The list of these expert talks is given below.



Mr. Aniket Kotmire, Resident Sr. Engineer-Sales, Friulair (India) Pvt. Ltd., New Delhi, delivered guest lecture on “**Advanced Technology in pump & compressor**” to the students on 31st July 2025.



Mr. Niranjan Shinde, Director Arunoday Enterprises, Kolhapur, delivered guest lecture on “**Advanced Manufacturing Technology**” to the students on 12th Sept. 2025.



Mr. S. V. Pandit, Sr. Sheet Metal Design Engineer, Kolhapur, delivered guest lecture on “**Recent Trends in Mechanical Engineering**” to the students on 23rd Sept. 2025.

INDUSTRIAL VISIT

Various industrial visits are organized by the department to update the knowledge of the students about the latest trends in mechanical engineering. The lists of these visits are given below.



Industrial visit to **Shriram Foundry Pvt, Ltd, F 1/2, MIDC Shiroli, Kolhapur on 19th Aug. 2025**, for the students in order to provide practical knowledge and real work environment exposure.



Industrial visit to **S B Reshellers Pvt, Ltd D5, D15, MIDC Shiroli, Kolhapur on 19th Aug. 2025**, for the students in order to provide practical

knowledge and real work environment exposure.



Industrial visit to **Mahindra Trendy Wheels MIDC Shiroli, Kolhapur on 26th Sept. 2025**, for the students in order to provide practical knowledge and real work environment exposure.



Industrial visit to **Shree Auto, MIDC Shiroli, Kolhapur on 26th Sept. 2025**, for the students in order to provide practical knowledge and real work environment exposure.

WORKSHOP / FDP CONDUCTED



The department has organized Three days workshop on “**Python Programming**” from **22nd August 2025 to 24th August 2025** in association with Excel Computers, Kolhapur for second year students.

TRAINING PROGRAM ATTENDED

In the quest of knowledge and to equip themselves with a varied range of skills, the faculty of the department attended the following training programs:

1. Mr.A.P.Deshmukh has attended one week FDP on “Design and Challenges of Electric Vehicles and Energy Storage Systems” conducted by RIT, Islampur from 7th July 2025 to 12th July 2025.
2. Mr.P.V.Chavan & Ms.A.V.Patil has attended three days FDP on “Digital foundries: Integration of IoT, Robotics and Automation” conducted by TKIET, Warananagar from 18th August 2025 to 20th August 2025.

3. Mr.P.V.Chavan,Mr.D.R.Mane,Mr. S.V.Surve, Mr.M.R.Kodolkar,Ms.A.V.Patil, Mr.A.P.Deshmukh & Mr.V.M.Chougule has attended one week FDP on “Next – Gen Manufacturing: Embracing Industry 4.0 “ conducted by AMGOI, Vathar from 25th August 2025 to 30th August 2025.
4. Mr.P.V.Chavan, Mr.S.V.Surve, Ms.A.V.Patil, Mr.M.R.Kodolkar,& Mr.A.P.Deshmukh has attended one week FDP on “AI Driven Smart Teaching Strategy “ conducted by AMGOI, Vathar from 20th August 2025 to 22nd August 2025.
5. Mr.A.P.Deshmukh has attended one week Industrial Training Program on “Industry Pneumatics & Electro Pneumatic Control” conducted by MSBTE & FESTO India Pvt.Ltd, Vakola, Santacruz (East), Mumbai from 15th Sept. 2025 to 19th Sept 2025.
6. Mr.P.V.Chavan has attended five days Industrial Training Program on “Modern manufacturing” conducted by MSBTE & L & T Skill Training Academy, Madh Jetty, Mumbai from 22ndSept. 2025 to 26thSept 2025.
7. Mr.D.R.Mane & Mr.S.V.Surve has attended one week FDP on “Strategies’ for Research and Development using AI” conducted by BSIET, Kolhapur from 22nd Sept. 2025 to 27th Sept 2025.
8. Mr.A.P.Deshmukh has attended one week FDP on “Advanced Material & Construction” conducted by BSIET, Kolhapur from 29th Sept. 2025 to 04th Oct. 2025.

9. Mr.S.V.Surve has attended one week Industrial Training Program on “Advanced Automotive System” conducted by MSBTE &M/s. BOSCH Ltd, Pune from 6th Oct. 2025 to 10th Oct. 2025.

MOU

Mr. D R Mane successfully coordinated formation of Memorandum of Understanding [MOU] with Excel Computers, Kolhapur.

LIST OF TEACHING AND NON TEACHING FACULTY

TEACHING FACULTY

Sr.No	Name of Faculty	Designation	Qualification
1	Mr.Pravin Vijay Chavan	Head of Department	BE Mechanical M-Tech Design Appear
2	Mr.Dhananjay Ramesh Mane	Office In Charge	BE Production M-Tech Production Appear
3	Mr.Sachin Vasantao Surve	Academic Co-ordinator	BE Mechanical
4	Mr.Mahadev Rajaram Kodolkar	Lecturer	BE Mechanical M-Tech Design Appear
5	Ms. Anagha Vishwanath Patil	Lecturer	BE Mechanical M-Tech Design Appear
6	Mr.Aviraj Parshuram Deshmukh	Lecturer	BE Mechanical M-Tech Design Appear

7	Mr.Vaibhav Mohan Chougule	Lecturer	BE Automobile
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NON-TEACHING FACULTY

Sr.No	Name of Faculty	Designation	Qualification
1	Mr.Rohit Rajendra Magdum	Lab Assistant	Diploma Auto Engg.
2	Mr.Swarup Suryakant Lohar	Workshop Instructor	Diploma Mechanical Engg.
3	Mr.Bhushan Milind Nalwade	Lab Assistant	Diploma Mechanical Engg.

STUDENTS ACHIVEMENT

MSBTE EXAM TOPPERS SUMMER 2025

FIRST YEAR

Sr.No.	Name of Student	%	Rank
01	More Vaishanvi Vijay	87.88	I
02	Suryavanshi Snehal Uday	84.22	II
03	Patil Vivek Pradip	80.67	III

SECOND YEAR

Sr.No.	Name of Student	%	Rank
01	Sutar Shivam Dinesh	79.11	I
02	Pawar Ritesh Dashrath	76.72	II
03	Sutar Pratiksha Pandurang	76.39	III

THIRD YEAR

Sr.No.	Name of Student	%	Rank
01	Ghatage Darshan Ravindra	79.59	I
02	Chavan Apurva Anil	79.54	II
03	Sutar Pratik Suryakant	78.36	III

THANKING YOU!