



Shri Vile Parle Kelavani Mandal's Institute of Technology, Dhule
(Approved by AICTE, Recognized by DTE and Affiliated to DBATU, Lonere)

Department of Applied Science & Humanities



INSIGHTS

AY 2023-24



CHAIRMAN's MESSAGE

Hon. Shri. Amrishbhai R. Patel

I am happy to see the newsletter “**Insights 2023-24**” edition under the Applied Science & Humanities Department of SVKM's Institute of Technology, Dhule.

The newsletter is a communication medium for all students, staff, parents, and friends to know the recent activities and developments that are taking place at the departmental level.

I congratulate the Hon. Principal, HOD, Faculty Members, Technical staff, students, and the editorial team for coming up with this new issue of newsletter for the department.

At SVKM's Institute of Technology, we remain committed to giving the very best to the students under our assistance. I want to extend my heartfelt gratitude to all the parents, students, and stakeholders who have put their trust in us and been a part of this wonderful journey of SVKM's Dhule Campus.

Let's come together to work with the vision of the institute “**To be a socially sensitive engineering institute of excellence adding value to the nation**”.



PRINCIPAL's MESSAGE

Dr. Nilesh Salunke

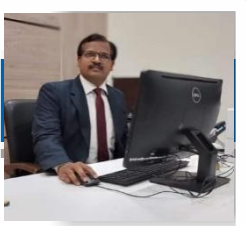
I am very pleased to see the newsletter of the Applied Science & Humanities “**Insights 2023-24**” edition.

The newsletter contains all the information related to student activities, achievements, faculty achievements, workshops, and other activities conducted at the departmental level.

Indeed it is a canvass that has taken its forum through the contribution of all the concerned in the department.

I would like to congratulate the Head of Department as well as staff and students.

I wish many more activities, academic pursuits, and achievements come across our path as we journey together to conquer the milestone with SVKM's Institute of Technology, Dhule.



HOD's MESSAGE

Dr. Tushar Shinde

First Year Engineering program prepares the mindset of the students more receptive for engineering. It provides the foundation for budding engineers to blossom their engineering thoughts. Therefore, the department is the cornerstone for students and faculties. It assists to fulfill the dream of students with dedicated highly qualified experienced faculties, and ultra-modern infrastructure. Department provides free Wi-Fi, AC classrooms, with smart boards to facilitate the technology-enhanced teaching-learning. It organizes workshops, webinars, expert talks for the content beyond syllabus for the seamless holistic development of students. It has well-equipped labs for Chemistry, Physics, and Communication Skills. Because of various departmental initiatives, it has become a nest for budding technocrats. The department attempt to accomplish excellence in education through the adoption of flipped and blended classrooms, innovative pedagogy and inculcating metacognitive skills through PBL. The department focuses on the student's involvement in various activities such as Engineering Day, Teachers Day, National Science Day, Poster Presentation, Elocution Competition, Project competition, Quiz competition, Sports, etc.

I wish all the best to the students.

INSTITUTE VISION

“To be a socially sensitive engineering institute of excellence adding value to the nation.”

INSTITUTE MISSION

- ❖ M1. To provide resources of excellence with a focus on nurturing and developing the society.
- ❖ M2. To strive to be an institute of global recognition.

DEPARTMENT VISION

“Providing engineering foundation to nurture socially responsible professionals.”

DEPARTMENT MISSION

- ❖ M1. To develop skills to apply the fundamentals of Applied Sciences in Engineering.
- ❖ M2. To cultivate the attitude of cooperation, coordination and leadership.
- ❖ M3. To strengthen the learners with technology based learning.

PROGRAM OUTCOMES (POs)

- ❖ 1.Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- ❖ 2.Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
- ❖ 3. Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- ❖ 4. Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions for complex problems.
- ❖ 5.Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- ❖ 6.The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- ❖ 7.Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- ❖ 8.Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- ❖ 9.Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- ❖ 10.Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- ❖ 11.Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- ❖ 12.Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

FACULTY MEMBERS



Dr. Tushar Shinde
HOD and Assistant Professor



Dr. Manoj Sonawane
Assistant Professor



Dr. Rajiv Junne
Assistant Professor



Dr. Shivaji Londhe
Assistant Professor



Dr. Shakeelur Raheman
Assistant Professor



Prof. Sachin Nerkar
Assistant Professor



Prof. Prashant Gawade
Assistant Professor



Prof. Lahu Aware
Assistant Professor



Prof. Sachin Nerkar
Assistant Professor



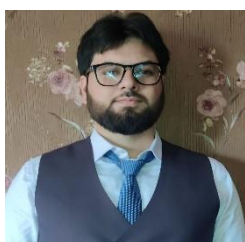
Prof. Chetan Patil
Assistant Professor



Prof. Niteen Dhutraj
Assistant Professor



Prof. Karan Sharma
Assistant Professor



Dr. Ilyas Bhat
Assistant Professor



Prof. Sagar Deshmukh
Assistant Professor

TECHNICAL ASSISTANTS

Ms. Shital Patil
Lab Assistant

FACULTY CONTRIBUTIONS

Faculty publication in Journals/Conferences/Book chapters/Patent/Copyrights :

Sr. No.	Name of Faculty	Title of Paper/Chapter	Journal Title/Conference Name/Book Title	Publisher
1.	Dr. Tushar Shinde, Dr. Manoj Sonawane	Engineering Chemistry	Engineering Chemistry	GCS Publications
2.	Mr. Sachin Nerkar & Dr. Shakeelur Raheman	Field emission from two-dimensional (2D) CdSSe flake flowers structure grown on gold coated silicon substrate: An efficient cold cathode	Microscopy Research & Technique	Wiley
4.	Dr. Tushar Shinde	Ring closing metathesis reaction of citronellene by utilizing simple mesoporous SBA 15 loaded ruthenium alkylidene supercatalyst.	Research on Chemical Intermediate	Springer Nature
5.	Dr. Rajiv Junne & Dr. Shivaji Londhe	Unraveling Female Metamorphosis to Self-realization with Cultural Liberation Reflected in Monica Ali's Brick Lane	Exploring the Interplay of Power Politics and Gender Dynamics in Literature	Authors Press
6.	Dr. Rajiv Junne & Dr. Shivaji Londhe	Locating Changing Gender and Culture Cartographies in the Contemporary Society Reflected in Andrea Levy's Every Light in the House Burnin	Dynamics of Social Changes Trajectory through Literary and Linguistic Studies	Imperial Publications
7.	Mr. Chetan Patil	On Prime Element Principle	20 th Annual Conference of The ADMA- ICDM 2024	20 th Annual Conference of The ADMA- ICDM 2024
8.	Mr. Chandu Koli	Enhancing efficiency and reliability: A comparative study of two dimensional and modified differential equations with convolution kernels	Copyright	Copyright office GOI: 11 Dec 2023
9	Dr. Tushar Shinde, Dr. Manoj Sonawane & Mr. Sachin Nerkar	Innovative Method for synthesizing copper oxide nanoparticles with enhanced properties	The Patent Office Journal No 21/2024	Official Journal of Patent Office
10	Mr. Chandu Koli	Efficiency and reliable properties of reduced differential transformation for linear voltaerra partial integro differential equations.	Copyright	-

FACULTY CONTRIBUTIONS

Faculty Development Programme / STTP Attended :

Sr. No.	Name of Faculty	FDP/STTP/ Training program attended	Resource Person(s) / Agency / Company	Venue	Date
1	Dr. Tushar Shinde	FDP on “ NAAC and Internal Quality Assurance”	NITTTR Chandigarh	Online	11/09/2023 to 15/09/2023
2	Dr. Manoj Sonawane	FDP on “ NAAC and Internal Quality Assurance”	NITTTR Chandigarh	Online	11/09/2023 to 15/09/2023
3	Dr. Manoj Sonawane	Workshop on “Translation using machine learning applications.	NPTEL	Online	3/06/2024 to 14/06/2024
4	Mr. Lahu Aware	FDP on “ NAAC and Internal Quality Assurance”	NITTTR Chandigarh	Online	11/09/2023 to 15/09/2023
5	Mr. Sachin Nerkar	Smart Grid and Integration of Distributed Generation	NITTTR Chandigarh	Online	28/08/2023 to 01/09/2023
6	Mr. Sachin Nerkar	FDP on “ NAAC and Internal Quality Assurance”	NITTTR Chandigarh	Online	11/09/2023 to 15/09/2023
7	Dr. Rajiv Junne	FDP on “ NAAC and Internal Quality Assurance”	NITTTR Chandigarh	Online	11/09/2023 to 15/09/2023
8	Mr. Chandu Koli	FDP on “ NAAC and Internal Quality Assurance”	NITTTR Chandigarh	Online	11/09/2023 to 15/09/2023
9	Mr. Prashant Gawade	FDP on “ NAAC and Internal Quality Assurance”	NITTTR Chandigarh	Online	11/09/2023 to 15/09/2023
10	Mr. Chandu Koli	One week STTP on "Rudiments and Techniques of Fluid Dynamics	P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Changa, Anand, Gujarat, Indi	Online	04/12/2023 to 08/12/2023
11	Mr. Niteen Dhutraj	FDP on “ NAAC and Internal Quality Assurance”	NITTTR Chandigarh	Online	11/09/2023 to 15/09/2023

FACULTY CONTRIBUTIONS

Faculty Development Programme / STTP Attended :

Sr. No.	Name of Faculty	FDP/STTP/ Training program attended	Resource Person(s) / Agency / Company	Venue	Date
13	Dr. Ilyas Bhat				
14	Dr. Ilyas Bhat				
15	Mr. Sagar Deshmukh				

Student Induction Program

Transition from school to university/college life is one of the most challenging events in a student's life. When new students enter an institution, they come with diverse thoughts, background and preparations. They come into a new unfamiliar environment and many of them have little knowledge of a university/college. An Important task is to welcome new students to Higher education and prepare them for their new role; before regular classes start. Therefore, the department of Applied Science and Humanities, SVKM's Institute of Technology, Dhule organized Student Induction Program (SIP-2023)

Student Induction Program -2023-24 was conducted from 07th to 12th August 2023 under the guidance of Dr. Nilesh Salunke, Principal and Coordinated by Dr. Tushar Shinde, First Year HOD. Every day session started at 10:00 am and concluded at 4:00 pm. Around 280 students participated in this program.

The total number of students has participated : **280**

Coordinator: All Faculties



National Science Day-Techverse-2024

Techverse-2024 was planned by First Year Students Association (FEAS) and it was sponsored by PHOENIX-Nitiraj Engineers, Veer Trading solutions, Inner Wheel Club & YPCL (Yoganand Pigments & Chemical LLP) for B Tech students from various engineering colleges located in Dhule, in order to get them overall idea about the importance of "National Science Day." The main aim of this event was to bring the young talent on the common platform to showcase their knowledge, creative and communication skills and inculcate the competitive spirit among the students. The competition was open for all the engineering graduates. Around 300 students participated in the event.

The total number of students has participated : **300**

Coordinator: All Faculties



Project/Model Presentation



Poster Presentation



Talent Hunt-Quiz competition



Prize distribution

Industrial Visits



Industrial visit to the “ **Nitiraj Engineers Ltd**” [12th Aug 2023]

The total number of students participated : **120**

Coordinator: Dr. Tushar Shinde

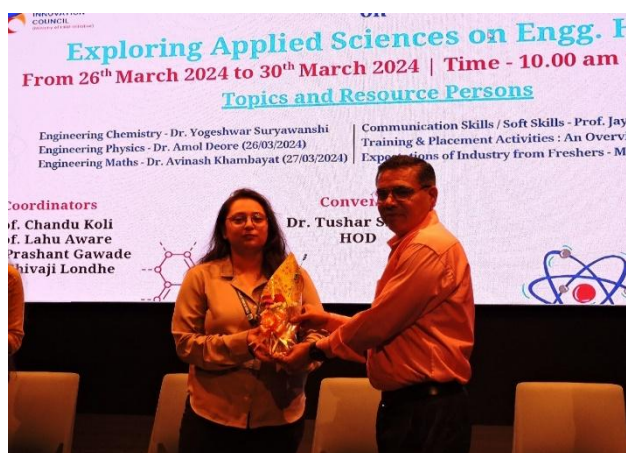


Industrial visit to “**School of Artillery** ” [12th October 2023]

The total number of students participated : **217**

Coordinator: Dr. Tushar Shinde

Workshop



5 Days workshop on Exploring Applied Sciences on Engineering Horizon, from 26th March to 30th March 2024

The total number of students has participated : **275**

Coordinator: All Faculties

Students Achievements



National Shooting Championship

Ms. Manasi Patil of (F.Y. Comp.) participated at 66th National Shooting Championship (Pistol Events) held at Bhopal, Madhya Pradesh on 9th Dec. 2023

Social Activities



First Year Student participated in social activities

1. Food and groceries donation
2. Matoshri Old age home visit.

Total Participated students- 70

FESA Members

Sr. No.	Name of Students	Designation	Year
1.	Purva Prashant Salunkhe	President	First Year
2.	Dipti Pravin Patil	Vice-President	First Year
3.	Meghana Tushar Kulkarni	Secretary	First Year
4.	Diksha Manoj Chaudhari	Treasurer	First Year
5.	Khayal Sunil Patil	Member	First Year
6.	Uday Vilas Deore	Member	First Year
7.	Vaibhav Prakash Chaudhari	Member	First Year
8.	Sweta Fulsingh Pawara	Member	First Year
9.	Jitendra Pradip Patil	Member	First Year
10.	Punit Vijay Patil	Member	First Year

Prof. Sachin Nerkar

Faculty Coordinator