



# APPLIED SCIENCES & HUMANITIES NEWS LETTER

**Volume: VIII**

**Issue: II**

## **Vision:**

Applied Sciences & Humanities department of MVPS's KBT College of Engineering determines to become a centre of learning in the field of "sciences-in-engineering" and the development of human values to develop engineers those can apply basic knowledge in engineering field to serve society.

## **Mission:**

1. To produce graduates with strong knowledge of engineering sciences who are anchored on the principles of hard work and integrity.
2. To cultivate scientific culture with mathematical approach.
3. To solve the problems in engineering and improve it.

# F.Y.B.Tech Induction Program (Phase-2)

As per AICTE guidelines, a one-week Student Induction Program (Phase II) for F.Y.B.Tech students is being conducted at MVP's KBTCOE. The SIP Phase-II is coordinated By Dr R. A.Wagh, Mr. S R Khushare and O. B .Chaudhari.

**Day 1: 22nd January 2025**

## **Session 1: Kavya Mehfil**

The first session, titled *Kavya Mehfil*, was conducted by **Mr.Prashant Kendale**. He delivered an engaging and joyful session incorporating elements of language, literature, and fun poetry, which captivated the audience.



## **Session 2: Indian Knowledge System**

The second session was conducted by **Dr.Dnyanobab Dhage**, Principal of KKW Arts, Commerce, and Science College, Pimpalgaon. Dr.Dhage delivered an insightful and informative session on the *Indian Knowledge System*, providing students with valuable perspectives on this rich heritage.



### Session 3: Robotics and Artificial Intelligence

The third session was led by **Mr. Swapnil Khairnar**, Senior R&D Specialist at Robotex India. Mr. Khairnar shared a concise yet informative talk on how to enter the fields of *Robotics and Artificial Intelligence*, inspiring students to explore these innovative domains.



Following the sessions, students actively participated in various sports activities, including badminton, cricket, and table tennis, among others. The sports activities were skilfully coordinated by Dr. R. S. Kare.





**Date:** 23rd January 2025

**Location:** MVP's KBTCOE

**Coordinators:** Dr. R. A. Wagh, Mr. S. R. Kushare, and O. B. Chaudhari

### **Introduction:**

In accordance with the AICTE guidelines, the Student Induction Program (Phase II) for the First Year B.T.ech students at MVP's KBTCOE was conducted with great enthusiasm. The aim of this program is to assist students in their transition to the academic environment and to provide them with essential guidance and skills for personal and professional development. The second day of the program featured a series of engaging and insightful sessions.

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### **Session 1: Social Ethics and Dining Etiquettes**

**Speaker:** Ms. Nafisa Rangwala

The first session of the day, “Social Ethics and Dining Etiquettes,” was conducted by Ms. Nafisa Rangwala. She emphasized the importance of social responsibility, proper etiquette in professional and social settings, and how these aspects impact students' personal and professional growth. Students were educated on the various dining etiquettes that they will likely encounter in formal settings, as well as the importance of maintaining respectful behaviour in all interactions.



## **Session 2: Guidance for MOOC Courses**

### **Part I: Introduction to MOOC Courses**

**Speaker:** Dr. S. P. Jadhav

The second session, divided into two parts, commenced with Dr. S. P. Jadhav providing an in-depth introduction to MOOC (Massive Open Online Courses) platforms. Dr. Jadhav highlighted the significance of online learning and how students can leverage these platforms to enhance their academic and professional knowledge. Various online courses and resources available on platforms such as Coursera, edX, and others were discussed, along with their benefits for personal skill development.



### **Part II: Information Regarding NPTEL / MOOC Courses**

**Speaker:** Prof. Tajanpure Madam

In the second part of this session, Prof. Tajanpure Madam provided a brief overview of NPTEL (National Programme on Technology Enhanced Learning) and its various courses available for students. She explained how students could register for NPTEL courses to enhance

their technical knowledge, gain certificates, and stay updated with current technological advancements. The session offered valuable insights into the academic benefits of engaging in online courses.



### **Session 3: Know Your Why and Counselling & Motivation**

#### **Part I: Know Your Why**

**Speaker:** Prof. Prasad Joshi

The third session was focused on self-awareness and personal responsibility, titled "Know Your Why," led by Prof. Prasad Joshi. The session aimed at helping students understand their motivations, goals, and the deeper reasons behind their decisions. Prof. Joshi encouraged students to reflect on their journey, emphasizing the importance of aligning their academic pursuits with personal values and long-term objectives.



#### **Part II: Session on Counselling and Motivation**

**Speaker:** Prof. Rupa Shinde

The final session of the day, "Counselling and Motivation," was conducted by Prof. Rupa Shinde. She provided students with essential

strategies for handling challenges in their personal and academic lives. The session included insights on how to manage stress, seek counseling when needed, and maintain motivation during difficult times. Prof. Shinde's session was highly interactive, offering practical tips to students on staying resilient and focused throughout their academic careers.



**Date:** 24th January 2025

**Location:** MVP's KBTCOE

**Coordinators:** Dr. R. A. Wagh, Mr. S. R. Kushare, and O. B. Chaudhari

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## **Session 1: Unlock Your Potential**

*Speaker: Prof. Sachin Jadhav*

The first session of the day, titled “Unlock Your Potential,” was conducted by Prof. Sachin Jadhav. Prof. Jadhav inspired students to discover and harness their inner strength and qualities, emphasizing how these could play a pivotal role in shaping their future. The session also included an engaging group activity aimed at motivating students to align with their goals and passions, encouraging them to explore their true potential.



## **Session 2: Women's Redressal Cell and Internal Committee Awareness**

*Speakers: Prof. Rupa Shinde and Ms. Sneha Waghule*

The second session of the day focused on awareness regarding the Women's Redressal Cell and Internal Committees, led by Prof. Rupa Shinde and Ms. Sneha Waghule. They shared valuable information about the initiatives in place to support female students in the college, outlining the role of these committees in addressing and resolving issues faced by women on campus. This session highlighted the importance of creating a safe and supportive environment for all students.



- **Sports Activity.**

After the second session, the students of F.Y.BTech actively participated in a variety of sports activities. The event provided an excellent opportunity for students to engage in team-building exercises,

promote physical fitness, and unwind after the informative sessions. It was a great way to foster camaraderie and encourage a balanced approach to both academic and extracurricular pursuits.



**Date:** 25th January 2025

**Location:** MVP's KBTCOE

**Coordinators:** Dr. R. A. Wagh, Mr. S. R. Kushare, and Mr. O. B. Chaudhari

**Saturday:** Fourth Day of the Students' Induction Programme

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### **Session 1: UHV Film**

Coordinated by Mr. O. B. Chaudhary and Raut Sir, the first session of the day was filled with encouragement. An inspirational and

motivational film was shown to the students, focusing on how to effectively handle various situations in daily life.

## **Session 2: Mentor Session**

During this session, mentors of the respective batches interacted with their students. It provided a platform for students to discuss their problems and receive guidance and support from their mentors.

## **Session 3: Sports Activity**

In this session, students participated in various indoor and outdoor games. These activities emphasized the importance of physical fitness and contributed to the overall well-being of the students.





**Date:** 26<sup>th</sup> January 2025

**Location:** MVP's KBTCOE

**Coordinators:** Dr. R. A. Wagh, Mr. S. R. Kushare, and Mr. O. B. Chaudhari

**Sunday:** Celebration of republic day

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Today, the students and staff of our college came together to celebrate the 76th Republic Day with great enthusiasm and patriotic fervor. The event was graced by our esteemed chief guest, **Hon. Er. Arvind Punjaji Kare**, whose presence added immense value to the occasion.

The celebration commenced with a flag-hoisting ceremony, accompanied by speeches from our staff and students, emphasizing the unity and respect we hold for our nation. Adding to the festive Spirit, students created a beautiful rangoli, symbolizing the essence of our country.

The day was a heartfelt reflection of our collective commitment to the values and ideals of the Republic.



**Date:** 27<sup>th</sup> January 2025

**Location:** MVP's KBTCOE

**Coordinators:** Dr. R. A. Wagh, Mr. S. R. Kushare, and Mr. O. B. Chaudhari

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## **Session I: Art Gallery Competition**

In this session, an art gallery competition was organized for the students. Many students participated enthusiastically, showcasing their skills in drawing, painting, and photography. Their creativity and talent were truly commendable.



## **Session II: Rangoli Competition**

Following the art gallery competition, a rangoli competition was conducted. Students demonstrated their artistic abilities by creating beautiful rangolis, each delivering meaningful messages to society.



## SCIENCE DAY CELEBRATION

The Department of Applied Sciences and Humanities proudly celebrated National Science Day on February 28th, 2025, a day of immense significance in the scientific community of India. This occasion marks the remarkable discovery of the Raman Effect by Sir C.V. Raman in 1928, a groundbreaking achievement in the field of light scattering that revolutionized physics.

In recognition of this contribution, Sir C.V. Raman was awarded the Nobel Prize in Physics in 1930, making him the first Asian to receive this prestigious honor in science.

To commemorate this special occasion, we were honored to welcome our esteemed Chief Guest, Mr. Manas Gajare Sir, a distinguished Mathematician, Technologist, and Entrepreneur, along with Dr. D.D. Lokhande Sir, Education Officer, Maratha Vidya Prasarak Samaj, Nashik.



Mr. Manas Gajare captivated the audience by drawing connections between Physics and Artificial Intelligence (AI). His insightful presentation on AI and its applications provided students with a deep understanding of the evolving technological landscape.

He emphasized recent research and developments in AI and how it is revolutionizing various scientific domains. The session was highly interactive, engaging students in discussions about AI's potential impact on different scientific fields.

The event successfully inspired students and faculty members, highlighting the importance of scientific research and innovation in

shaping the future. We extend our heartfelt gratitude to our esteemed guests for their valuable time and knowledge and look forward to organizing more such enlightening sessions in the future.

## **Session: Launching Satellites and Their Applications**

Under the curriculum activity AARAMBH, we organized a guest session on 22<sup>nd</sup> February 2025 on the topic “Launching Satellites and Their Applications.” The session was conducted by Mr. Anand Megalingam under the esteemed guidance of IPS Officer Mr. A.S. Rajan Sir, who is currently serving as a mentor and advisor to Space Zone India and Space Zone Aerospace.

The session was aimed at providing students with insightful knowledge about satellite launching techniques, their applications, and advancements in space research. Mr. Anand Megalingam delivered an engaging presentation covering the following key aspects:



- Satellite Launching Techniques – A detailed overview of how satellites are launched into different orbits.

- Applications of Satellites – Discussion on communication, navigation, weather forecasting, and defense applications.

- Research and Development in Fuel – Advancements in propulsion systems and sustainable fuel options for future space missions.



Students actively participated in the session, raising queries and discussing their perspectives on space technology and future opportunities in aerospace research. The session was highly informative and encouraged students to explore career prospects in the space sector.

We express our gratitude to Mr. Anand Megalingam for sharing his expertise and to IPS Officer Mr. A.S. Rajan Sir for his invaluable guidance and support in making this session a success. We look forward to organizing more such enriching sessions under the AARAMBH initiative.

### **Parents-Teachers Meet (08/02/2025)**



Parent-Teacher Meeting, held in the presence of Dr. S. J. Kokate (HOD, Applied Sciences & Humanities) and the entire First-Year Engineering faculty. The event provided a platform for parents to engage with faculty members and gain insights into student's progress. Dr. S. J. Kokate extended a warm welcome to all parents and shared a comprehensive analysis of the first-semester results, highlighting students' overall performance. Faculty members and class coordinators further elaborated on students' academic achievements, attendance records, and engagement in curricular and co-curricular activities.

A key feature of the meeting was the interactive session between parents and respective mentors, where individual student progress was discussed in detail. Parents had the opportunity to seek clarifications on evaluation methods, assessment patterns, and overall student

development. Constructive discussions took place regarding strategies to enhance students' performance, attendance, and involvement in academic activities. The aim of the meeting is to create right approach among the parents towards their ward.



The event witnessed an overwhelming response, with more than 500 parents and students in attendance. The enthusiastic participation of parents emphasized their keen interest in staying involved in their (children's educational journey).

## **Department of Applied Science and Humanities Industrial visit at Traffic Education Park, Nashik**



F.Y.B.Tech students association (AARAMBH) has organized an Industrial Visit at Traffic Education Park, Nashik for F.Y.B.Tech students. A facility dedicated to educating the public about road safety, traffic regulations, and safe driving practices. The park aims to create awareness regarding traffic rules and aims to reduce road accidents by educating people, particularly students, about traffic discipline. The park is equipped with realistic traffic setups, traffic signs, signals, and mock roads that simulate real-world traffic situations. During the visit, the participants engaged in various activities that offered both theoretical and practical knowledge:

**a. Traffic Signals and Road Signs Demonstration** Participants were shown the functioning of various traffic signals and signs, explaining their meanings and significance. Each sign (such as stop, yield, speed limits, and pedestrian crossing signs) was discussed in detail, emphasizing the importance of obeying these signs to avoid accidents.

**b. Practical Session on Traffic Management** A hands-on session was conducted where students were allowed to interact with traffic signals and manage a mock traffic scenario. Some participants controlled traffic lights while others acted as pedestrians or drivers, practicing traffic rules in real-time.

**c. Safe Pedestrian Practices** The importance of pedestrian safety was demonstrated through a designated pedestrian crossing zone. The staff explained how pedestrians should behave at crossings, the role of traffic lights in pedestrian safety, and the significance of using footpaths.

**d. Driving Simulation:** A session on driving simulators allowed the students to experience different road situations, including driving under various weather conditions, heavy traffic, and nighttime driving. This offered insight into the decision-making process involved in navigating real-world traffic scenarios.

The Industrial Visit becomes very interactive as students actively participate and motivated by the session delivered by the

speakers. Around 400 students have attended an industrial visit at Traffic Education Park.

## **Session on “The Entrepreneur Ongoing Journey”**

**by**

**Ms. Shatabdee Veer (Cofounder of PAAN-PHOOL)**



F.Y.B.Tech students association (AARAMBH) has organized a session on The Entrepreneur Ongoing Journey for F.Y.B.Tech students. The entrepreneurial journey of Ms. Shatabdee Veer is an ongoing saga of vision, risk-taking, and relentless determination. From the initial spark of an idea to a flourishing business, this entrepreneur has been navigating the complex world of entrepreneurship with courage and ingenuity. This report offers an in-depth look at their journey, the highs and lows, key turning points, and the strategies that have played a pivotal role in their ongoing success. Ms. Shatabdee Veer, the visionary behind PAAN PHOOL, started with a dream to solve like team building marketing. With a background in Industrial and Product Designer, the entrepreneur was equipped with both theoretical and practical knowledge in entrepreneurship. The entrepreneur learned to adjust pricing strategies, optimize supply chain operations and manage overhead costs effectively. Running a growing business comes with

personal sacrifices. Ms. Shatabdee Veer acknowledges the difficulty in maintaining a healthy work-life balance. Over time, they've learned to delegate more responsibilities and prioritize self-care to avoid burnout.

The Session becomes very interactive as students actively participate and motivated by the session delivered by the speakers. Around 350 students have attended session.

### **Historical Temple VISIT (Under IKS)**



Under the Department of Applied Sciences & Humanities All F.Y.BTech students visited Gondeshwar Temple in Sinner for a technical trip to learn about ancient architecture and its connection to modern technology. The temple, built in the Hemadpanti style, has beautiful carvings and a well-planned structure. Students observed how the temple was designed using principles of symmetry and load distribution, which are also used in modern engineering. They also discussed how digital tools like 3D scanning can help preserve such heritage sites. The visit gave students a better understanding of how historical structures relate to today's technology, making it a valuable learning experience.