

## Department of Artificial Intelligence & Machine Learning

### Newsletter 2025-26 SEM I & II

#### ABOUT MVP SAMAJ

The Maratha Vidya Prasarak Samaj is one of the most prestigious centers of learning in the State of Maharashtra. It manages 486 educational units and is one of the premier educational hub in the Nashik district.

At present, more than 2 lakhs of students are pursuing education. Over past 108 years, the institute has stood the test of time to become legend of unparalleled stature. History says that the credit for the birth of M.V.P. Samaj goes to the young, enthusiastic & devoted team of social workers and educationists who were inspired by the lives of Mahatma Jyotiba Phule, Savitribai Phule and Rajarshi Shahu Maharaj of Kolhapur. These young leading lights include Karmaveer Raosaheb Thorat, Bhausaheb Hire, Kakasaheb Wagh, Annasaheb Murkute, Ganpat Dada More, D. R. Bhonsale, Kirtiwanrao Nimbalkar and Vithoba Patil Khandalaskar, who laid the foundation of the Samaj. They were the men who envisioned the culture and knowledge centric society. The great visionaries of MVP Samaj rightly laid the "Well-being and happiness of masses" as the motto for the Samaj.

#### ABOUT RSM POLYTECHNIC

The Rajarshi Shahu Maharaj Polytechnic has been established in the year 2008, at the central place in Nashik. It is affiliated to MSBTE, Mumbai and approved by Government of Maharashtra, DTE Mumbai and the AICTE, New Delhi and Accredited by NBA. The Polytechnic is in the process of Accreditation and Graduation. The Polytechnic has well-equipped and well-furnished laboratories, workshop and hostel facilities. Every department has separate computational facilities along with LAN, Wi-Fi and necessary software. At present the RSM Polytechnic provides three-year courses leading to Diploma in Engineering of MSBTE, Mumbai in the five disciplines: Mechanical Engineering, Computer Technology, Electronics and Telecommunication Engineering, Information Technology and Electrical Engineering.

#### Vision:

Enhance quality of Technician Education for Global Competitiveness and Societal Advancement.

#### Mission:

- **M1.** To encourage continuous professional development through workshops, seminars, and certifications.
- **M2.** To educate and train students by inculcating the values for discipline, quality, transparency for Global Competitiveness
- **M3.** To create an awareness for Societal Advancement

- **M4.** To transform education through the innovative use of Information Communications Technology (ICT)

## **ABOUT DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**

Department of Artificial Intelligence and Machine Learning was started in 2024. Artificial Intelligence and Machine Learning is a branch of engineering that integrates several fields of Computer Science required to develop computer hardware and software. Bridging hardware and software, computer engineering has implications across many industries ranging from technology to healthcare, green energy to aeronautics. The technology driven era has lot of options for those who have excellent coding skills and are interested in learning new languages and technology. Pursuing engineering in the field of AN is among those fields which bring lot of lucrative job opportunities to students. There are wide ranges of career options available after Artificial Intelligence and Machine Learning. Artificial Intelligence and Machine Learning Department is well equipped with modern lab facilities.

## **DEPARTMENT VISION AND MISSION**

### **Vision :**

To be a professional department to develop technician in the field of Artificial Intelligence and Machine learning for benefit of industry & society.

### **Mission:**

**M1:** To enhance skills by providing knowledge of basic science and Artificial Intelligence along with hands-on practice.

**M2:** To promote students to pursue higher studies by providing quality education.

**M3:** To improve interpersonal skills by offering a platform for co-curricular and extracurricular activities to promote societal advancement.

**M4:** To promote use of Information and Communications Technology (ICT) in education.

# AIML Department

| Sr. No. | Activities                                                         | Date                        |
|---------|--------------------------------------------------------------------|-----------------------------|
| 1       | Fire “Extinguisher Mock Drill” Social Activity                     | 25/07/2025                  |
| 2       | “Tree Plantation” Social Activity                                  | 29/07/2025                  |
| 3       | Industrial Visit “Softcrowdtech”                                   | 21/08/2025                  |
| 4       | Guest Lecture “Essence of Indian Constitution”                     | 23/08/2025                  |
| 5       | Guest Lecture “MongoDB As a Big Data Engine In DMS”                | 03/09/2025                  |
| 6       | Guest Lecture On “Developing Personality And Communication Skills” | 02/09/2025 to<br>04/09/2025 |
| 7       | Expert Lecture On “Developing Personality & Communication Skills”. | 17/09/2025                  |
| 8       | Event Report on Technical Quiz                                     | 19/09/2025                  |
| 9       | Guest Lecture On “Communicable Diseases And Personal Hygiene”.     | 25/09/2025                  |
| 10      | Guest Lecture On “Behavioral Skills”                               | 30/09/2025                  |
| 11      | Event On “Smart India Hackathon”                                   | 30/09/2025                  |
| 12      | Paper Presentation Competition On Technical Topics                 | 06/10/2025                  |
| 13      | Social Activity “Swachh Bharat Abhiyan “                           | 07/01/2026                  |
| 14      | Guest Lecture On “Personality Development”                         | 30/01/2026                  |
| 15      | Guest Lecture On “C Programming”                                   | 04/02/2026                  |
| 16      | Industrial Visit “ProWorld Technology”                             | 04/03/2026                  |
| 17      | Expert Talk On “Java Programming”                                  | 17/02/2026                  |
| 18      | Expert Talk On “How LLM Works”                                     | 18/02/2026                  |
| 19      | Organizing “Parents Teacher Meet”                                  | 18/02/2026                  |
| 20      | Industrial Visit “Sahyadri Farm”                                   | 04/03/2026                  |

### ◆ Fire “Extinguisher Mock Drill” Social Activity

MVPS’s Rajarshi Shahu Maharaj Polytechnic's Artificial Intelligence & Machine Learning Department organized Fire Extinguisher Mock Drill under social Awareness activity for second year students of Artificial Intelligence & Machine Learning on 25<sup>th</sup> July 2025 at 1.00 pm onwards in college campus. All the Faculty Member of AN department as well as were present for the event.

By this activity, students got awareness about fire safety and its importance.



### ◆ “Tree Plantation” Social Activity

MVPS’s Rajarshi Shahu Maharaj Polytechnic's Artificial Intelligence & Machine Learning Department organized clean campus campaign for second year students of Artificial Intelligence & Machine Learning 29<sup>th</sup> July 2025 at 4.00pm onwards in college campus. All the Faculty Members of AN Department as well as students were present for the event.

By this Activity, students got awareness about environment, society and sustainability.



### ◆ Industrial visit “Softcrowdtech”

MVPS’s Rajarshi Shahu Maharaj Polytechnic's Artificial Intelligence & Machine Learning Department was organized **industrial visit** for the second year to *Softcrowd Technologies Pvt. Ltd, Nashik* as part of the subject **Database Management System (DBMS)**. The primary objective of the visit was to bridge the gap between theoretical knowledge gained in the classroom and its real-time industrial applications. During the visit, students were introduced to the **importance of databases in industry**, the role of **Database Administrators (DBAs)**, and the practical use of **SQL queries, database design, and management**



**tools** in handling enterprise-level data. Experts from the company provided insights into **project workflows, database security, data storage, and retrieval mechanisms**



### ◆ Guest lecture on “Essence of Indian Constitution ”

MVPS's Rajarshi Shahu Maharaj Polytechnic's Artificial Intelligence & Machine Learning Department organized expert lecture for SYAN students. The program was organized and conducted under the “Essence of Constitution” subject of Mechanical Engineering department. The session conducted by Ms. vaishali shende. The Event was coordinated by Mrs.S.R.Bhor.

### ◆ Guest lecture on “MongoDB As a Big Data Engine in DMS ”

MVPS's Rajarshi Shahu Maharaj Polytechnic Nashik organized **Guest Lecture on “Mongo DB As a Big Data Engine in DMS”** was organized for **second year students of Computer Technology & Artificial Intelligence Machine Learning** under the subject **DMS** to provide students with deeper insights into the concepts, applications, and current trends in database technologies. The session was conducted by an industry expert **Ms. Ruchita Baviskar (Full Stack Trainer, Softcrowd Technologies, Nashik)** who shared both theoretical knowledge and practical applications of DBMS in

various domains like banking, e-commerce, and cloud computing



### ◆ Guest lecture on “Developing Personality and Communication Skills”

MVPS's Rajarshi Shahu Maharaj Polytechnic Nashik's Training and Placement Cell successfully hosted an insightful expert session on "Developing Personality and Communication Skills" for our talented Second Year students of Electrical Engineering, Artificial Intelligence & Machine Learning and Computer Technology on 2nd September 2025! 🌟

Huge thanks to our esteemed speaker, Ms. Shilpa Bhende, for sharing valuable insights and expertise that will undoubtedly benefit our students in their future endeavors. Your presence and guidance were truly inspiring!



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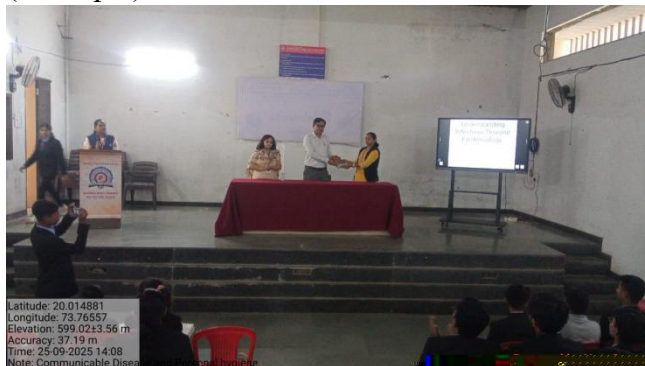
### Conducting Technical Quiz

MVPS's Rajarshi Shahu Maharaj Polytechnic, Nashik, Science and Humanity Department organized "The Technical Quiz Competition" on the 19<sup>th</sup> September 2025. It was coordinated by Prof. T.K. Thange HOD, SH Department and Prof. G.R. Thorat, Prof. A.R. Patil, Prof. A.V. Kale and Prof. J.S. Jondhale.



### ◆ Guest lecture on "Communicable Diseases and Personal Hygiene "

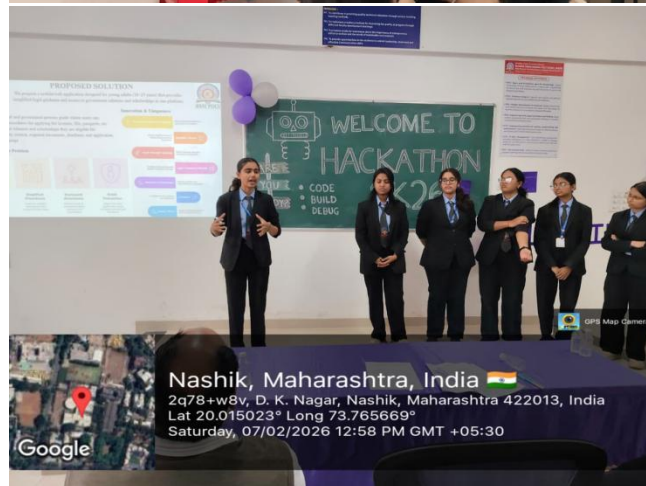
MVPS's Rajarshi Shahu Maharaj Polytechnic's Science and Humanity department has organized a guest lecture on "Communicable Disease and Personal Hygiene" for first year students on 25<sup>th</sup> September, 2025. The lecture was delivered by Dr. Balaji Almale. The event was coordinated by Mrs. P.V. Patil under the guidance of Mr. T.K. Thange (HOD-SH) and Prof. Prashant Patil (Principal)



### ◆ Guest lecture on "Behavioural Skills"

MVPS's Rajarshi Shahu Maharaj Polytechnic, Nashik, Department of Science & Humanity has organized a guest lecture for the First Year students of Artificial Intelligence and Machine learning, Computer Technology, Mechanical Engineering, Electrical Engineering, Information Technology and Electronics and Telecommunication Engineering on 'Behavioral Skills'. The lecture was delivered by Mrs. Praneta Nikumbh (An HR Co-coordinator in PDB Tech Solutions, Nashik).

Event was organized by Ms.S.P.Telore under the guidance of Mr. T. K. Thange (HOD- SH) and Prof. Prashant Patil(Principal)



### ◆ Event on “Smart India Hackathon”

MVPS's Rajarshi Shahu Maharaj Polytechnic, Nashik, successfully conducted the pre-qualifier round of Smart India Hackathon 2025. A total of 80 teams participated in the event, with the first prize awarded to Ayush Gite and his group. The program was inaugurated by Principal Prof. Prashant Patil, Mr. Uttam Varpe (Director: PPS Enterprises), Mr. Rahul Narkhede (TCS, Pune), Mr. Sanket Bhamre (Director, SGK Technolabs, Nashik), Mr. Mayur Chavan were present for the program. The event was coordinated by Mr. A. P. Patil, Ms. A. H. Kale under the guidance of Principal Prof. Prashant Patil.



### ◆ Paper Presentation on Technical Topics

MVP's Rajarshi Shahu Maharaj Polytechnic, Nashik, Department of Artificial Intelligence and Machine Learning has organized Technical Paper Presentation. The Paper Presentation Competition aims to accentuate analysis-based research work in students, develop their ability to bring out their ingenious selves, and gain expertise on the topics to enhance their knowledge and learning. This competition held on date 06/10/2025 at 12.45pm to 01.45pm in the language lab. This competition was organized for all first year students. Students were participating as single participant and also in pair. As judge Mrs. B. S. Boraste plays vital role in the competition. She gives some tips to improve presentation skills.





### ◆ Social Activity “Swachh Bharat Abhiyan”

MVP's Rajarshi Shahu Maharaj Polytechnic, Nashik, Department of Artificial Intelligence and Machine Learning has organized a Swachhata Abhiyan (Cleanliness Drive) on 7 January 2026 as Social Activity.

This activity was conducted at Tuljabhavani Mata Temple premises.

The main objective of this activity was to create awareness about cleanliness and social responsibility among students.

Students actively participated in cleaning the temple area and surrounding premises and spread awareness about hygiene.

The program was coordinated by Mr. V. A. Walke and guided by Mrs. P. R. Chaudhari (HOD – AN) and Prof. Prashant Patil (Principal).



### ◆ Guest Lecture on “Personality Development”

MVP's Rajarshi Shahu Maharaj Polytechnic Nashik, Department of Artificial Intelligence And Machine Learning and Electrical Engineering has organized a Guest Lecture on "Personality Development". This guest lecture was conducted for enhancing the Personality of the students. Educational, Entrepreneur, motivational Speaker & Counsellor Mrs. Mona Lisa Jain guided our Second Year students .Program was Co-ordinated by Mrs. P. R. Chaudhari and Mr. S. S. Aher and guided by Ms.P. A. Shinde(HOD-EE), Ms. P. R.Chaudhari (HOD-AN) Prof.Prashant Patil(Principle)



### ◆ Guest Lecture on “C Programming”

MVPS's Rajarshi Shahu Maharaj Polytechnic, Nashik, Department of Information Technology and Artificial intelligence and Machine Learning have conducted "C programming" for the First year students of Information Technology and Artificial intelligence and Machine Learning on 04th February 2026. The Program aimed to improve the study and implement structures in C programming for storing and managing different types of data under a single name and to access structure members using appropriate operators

The program was successfully coordinated by Ms. S.S.Tile, Mrs.S.S.Jadhav, Ms.S.R.Bhor, Ms.R.B. Gawale and Mr.V.A.Walke under the valuable guidance of Mr. T. K. Thange(HOD-SH) and Prof. Prashant Patil (Principal)



### ◆ Industrial visit “Proworld Technology”

MVP's Rajarshi Shahu Maharaj Polytechnic, Nashik, Department of Artificial Intelligence and Machine Learning has organized an Industrial Visit to Proworld Technology Nashik.

Second-Year AIML students gained valuable insights into how Artificial Intelligence is used to develop real-world software products. The industry experts explained the practical implementation of AI technologies and their role in enhancing software solutions.

The visit was coordinated by Mr. M. P. Chavan and Mrs. K. S. Thombre under the guidance of Mrs. P. R. Chaudhari (HOD-AIML) and Prof. Prashant Patil (Principal).

The department expresses sincere gratitude to the Proworld Technology team for providing valuable insights and an enriching learning experience to the students.





### ◆ Expert Talk on “How LLM Works?”

MVPS's Rajarshi Shahu Maharaj Polytechnic Nashik, Department of Artificial Intelligence And Machine Learning has organized Guest Lecture on "How LLM Works" under the course Mathematics for Machine Learning. This guest lecture was conducted for the development of the students. Mr. Manas Gajare, founder of AI Leela, guided the students.

Program was Co-ordinated by Ms. V. R. Patil under the guidance of Mrs. P. R. Chaudhari (HOD-AN) and Prof. Prashant Patil (Principal)



### ◆ Organizing “Parents Teacher Meet”

MVPS'S Rajarshi Shahu Maharaj Polytechnic's Department of Artificial Intelligence And Machine Learning has organized a Parent Teachers meet on 18th February 2026.

The main objective of the meeting was to provide an effective platform for parents and faculty members to interact and discuss student's academic progress, attendance, discipline, and overall development.

Mrs. P. R. Chaudhari (HOD-AN) presented the department's progress and student's performance in the first term and unit tests to the parents.

Event was co-ordinated by Mr. M. P. Chavan (SYAN- Class coordinator) under the guidance of Mrs. P. R. Chaudhari (HOD-AN) and Prof. Prashant Patil (Principal).



### ◆ Expert Talk on “Java Programming”

MVP's Rajarshi Shahu Maharaj Polytechnic Nashik, Department of Artificial Intelligence And Machine Learning has organized Guest Lecture on "Java Programming". This guest lecture was conducted for the development of the students. CEO of TechRedy IT Solutions Mr. Swaroop Vyawahare, guided the students.

Program was Co-ordinated by Mr. M. P. Chavan and guided by Mrs. P. R. Chaudhari(HOD- AN) and Prof. Prashant Patil (Principal)

### ◆ Industrial visit “Sahayadri Farm”

MVP's Rajarshi Shahu Maharaj Polytechnic, Nashik, Department of Artificial Intelligence and Machine Learning has organized an Industrial Visit to Sahyadri Farms, Mohadi, Nashik.

Second-Year AIML students gained valuable insights into how any Farmer Producer Organisation (FPO) Works. It provides students with crucial practical insights into modern agribusiness, supply chain management, and high-tech food processing. Key gains include understanding automated packaging technologies, quality control and sustainable agricultural practices.

The visit was coordinated by Mr. Y. R. Kodhilkar and Mr. M. P. Chavan under the guidance of Mrs. P. R. Chaudhari (HOD–AIML) and Prof. Prashant Patil (Principal).



The department expresses sincere gratitude to the Sahyadri Farms team for providing valuable insights and an enriching learning experience to the students.



#### Head of Department

- Mrs.P.R.Chaudhari  
Dept of Artificial Intelligence and Machine

#### Principal

- Prof. Prashant Patil

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