



महाराष्ट्र शासनाचा आदर्श शिक्षण संस्था पुरस्कार प्राप्त  
SHRI PRINCE SHIVAJI MARATHA BOARDING HOUSE'S

**NEW POLYTECHNIC,  
KOLHAPUR**

*Department of Artificial Intelligence & Machine Learning*

# ***THE ALGORITHM***

## **NEWSLETTER**

VOL-1, ISSUE-1, JAN-APR 2023

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### **Message from Editor's Desk:**

Welcome to the Artificial Intelligence & Machine Learning department's newsletter. The "THE ALGORITHM" newsletter has been launched. We're using this newsletter to stay in touch with our students, lecturers, and business partners in a digital format. The activities and accomplishments of the department will be highlighted in this newsletter. In addition, it informs readers about recent departmental events, such as institutional clubs, and student and staff accomplishments, as well as the latest departmental news. The department's future is bright, and we're eager to see what more the future holds. We would want to express our gratitude to every one of our faculty, staff, and students for your constant encouragement and support.

**Editorial Committee: Prof. Vikram S. Gavali**

**Prof. Shamali V. Chavan**

## Message from Principal's Desk



**I am delighted to take this opportunity to talk to you as the principal that the primary vision of NPK is to develop skill-based competencies through practical teaching and learning process which help students to create an opportunity in public, private sector as well as to become an entrepreneur.**

**Moreover, this Newsletter is a complete package of different activities to be run viz. Faculty Excellence, projects and competitions in the field of Mechatronics, Cyber Security, Automation in present Academic Year. I promise that AIML Department will definitely endeavours to provide a wide platform for students' intellectuality in Engineering & Technology.**

**Dr. Sanjay H. Dabhole  
Principal, New Polytechnic, Kolhapur**



## Message from HOD's Desk



I do appreciate AIML student's great participation in nucleus 2023, IDSSA Sports and State level Project Competitions under the guidance of staff of AIML. I also like to congratulate winning teams of First year AIML Students. These achievements, efforts and their hard work has been commendable. Winning DIPEX 2023 Second Prize is really proud moment for our Department Artificial Intelligence and Machine learning. Activities of the Newsletter are to focus the shine of light the department has exhibited. I wish everyone the best luck and encourage achieving greater heights.

**Prof. A. V. Vharambale**  
**Head of Artificial Intelligence and Machine Learning**

## **Department Vision, Mission, PEOs and PSOs.**

### **Vision-**

**To be the renowned department for education in Artificial Intelligence and Machine Learning in Maharashtra state moulding students into professional engineers.**

### **Mission:**

- To impart knowledge in cutting-edge Artificial Intelligence technologies on par with industrial standards.**
- To collaborate with industry to uplift innovative research and development in Artificial Intelligence and Machine Learning and its allied fields to serve the needs of society.**
- To produce successful Computer Science and Engineering graduates with a specialization in AI/ML with personal and professional responsibilities and commitment to lifelong learning.**

### **PEOs**

**PEO 1: Develop software solutions demonstrating intelligent behaviour, handling uncertainty, constantly**

**learning and effectively using domain knowledge**

**PEO 2: Promote research in intelligent technology and concepts**

**PEO 3: Participate in life-long learning for effective professional growth and demonstrate leadership qualities to co-ordinate cooperative team in contributing for the betterment of the society.**

## **PSOs**

### **PSO 1**

**Ability to contribute to problem identification, analysis, design, and development of systems using principles and concepts of Artificial Intelligence and Machine Learning.**

### **PSO 2**

**Ability to apply the concepts, principles and practices of Artificial Intelligence and Machine Learning and critically evaluate the results with proper arguments, selection of tools and techniques when subjected to loosely defined scenarios.**

### **PSO 3**

**Ability to use Artificial Intelligence and Machine Learning models on data for enabling better decision making.**



### Departmental activities from JAN to APR 2023

The department has always been contributing significantly to the growth of technical education. The Cultural Club has organised a talents Days between 18<sup>th</sup> March 2023 to 25<sup>th</sup> March 2023 to showcase the cultural and co-cultural activities of students. The students have actively participated and presented the soft skills like singing, playing music, dancing and so on.

12 students of department participated in DIPEX-2023 competition at Amaravati.

Department has organised “Youth IDEATHON” in “Digifest” a national level symposium 2023 on 11<sup>th</sup> April 2023.

Department has organised Parents Teachers meet on 15<sup>th</sup> April 2023, regarding overall academic performance of students.

### Publications by students and faculties

Sr. No.	Name of Staff	Research Topic	Publication
1	Mr. R. H. Paikrao	Advanced techniques to develop communicative competences of undergraduate engineering students.	Literary Herald

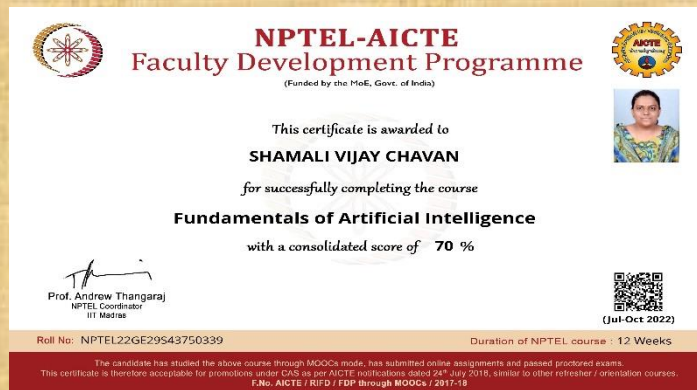
## Guest Lectures, Industrial Visits.

Sr. No	Name Of Resource Person/ Name of Industry	Topic Covered	Date	Participants
1	Domain Computers	Hardware and LAN	10/04/2023	68
2	Mr. Ashish Thorat	Web Designing	11/04/2023	68

## Workshops/seminars/conference attended by faculties







## Awards/Recognition and Achievements.

It's a proud moment for New Polytechnic and department to win second prize in DIPEX-2023



1<sup>st</sup> Prize in Innovation project competition at SIT, Yadrav



1<sup>st</sup> Prize in TechnoBharati at Bharati Vidyapeeth COE, Kolhapur





## Student Achievements.







## Gallery Section

### Celebrating Various day's







## Winning Moments

@ DIPEX







**Mr. A. V. Vharambale (HOD) receives “Dronacharya-2023” Award in hands of Hon. Chairman Shri. K. G Patil.**

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 श्री प्रिन्स शिवाजी मराठा बोर्डिंग हाऊस, कोल्हापूर  
 स्थापना : 1920 मीलनी क्र. KOP F 26

**न्यू पॉलिटेक्निक, कोल्हापूर**

*Congratulations*

**Proud Moment for NPK**

Winning culture of NPK alongwith dedication and commitment from Dipex Mahaguru Vharambale sir with First year AIML Student group brought Second Prize In DIPEX-2023

Principal, HODs, Teaching and Non Teaching Staff, New Polytechnic, Kolhapur

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**NEW POLYTECHNIC, KOLHAPUR**

*Congratulations*

**Proud Movement for NPK**

Dear all,  
 Winning culture of NPK along with dedication and commitment from Dipex Mahaguru varambale sir with First year AIML Student group brought second Prize In DIPEX-2023

Project Guide & HOD  
 Prof. A. V. Vharambale

विभागाध्यक्ष, प्राध्यापक, शिक्षक व शिक्षकेतर कर्मचारी, न्यू पॉलिटेक्निक, कोल्हापूर

Principal  
 Dr. Sanjay H. Dabhole