

Department of Computer Engineering



AY 2023-24

Report - Value Added Program (VAP) on Machine Learning

- 1. Event Title: Value Added Program (VAP) on Machine Learning"
- **2. Event Date:** 05/10/2023-07/10/2023, 10/10/2023-11/10/2023 and 03/11/2023 (10:00am to

5:00pm)

- 3. Event Conduction Duration: 6 days (6hrs/day)
- 4. Event Venue: Programming Lab, Internet Lab
- 5. Event Resource Person Details: Prof. Y. S. Gite
- 6. Name of Event Coordinator: Prof. Y. S. Gite
- 7. Expected Audience: Students of BE Computer Engineering Department.
- 8. Number of Participants: 64
- 9. Course Content: Different machine learning algorithms Data Pre-processing, Supervised Learning –Regression, Classification, K-Nearest Neighbors, Support Vector Machine, Naive Bayes, Decision Tree Classification, Unsupervised Learning- K-Means Clustering, Hierarchical Clustering, Apriori, ANN





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10. Event Objectives & Outcomes:

Objectives:

- 1) Learn and realize the concepts of machine learning techniques
- 2) To improve programming proficiency with respects to data analytics in python
- 3) To introduce statistical methods like regression and classification and how it can be applied to industry related problems using Python
- 4) Understand the concept of clustering and classification.
- 5) To provide necessary hands-on Lab practice sessions of ML with python language to help students to accomplish their project work, syllabus contents related to MachineLearning

Outcomes:

Students are able to

- 1) Design a framework for machine learning problem and implement using the machine learning concepts.
- 2) Develop solution for real world problems using regression, clustering and classification
- 3) Clean the data, preprocess the data
- 4) Understand the training-testing set generation.
- 5) Distinguish the different ML algorithms:- regression, clustering and classification





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11. Notice:

	Sandip Foundation's	
SIEM	Sandip Institute of Engineering & Management Mahiravani, Trimbak Road, Nashik – 422 213, Maharashtra Phone: (02594) 222 581/82/83/84, Fax: (02594) 222 585 <u>http://www.sandipfoundation.org / info@siem.org.in</u>	Ş

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Notice

Date: 18/09/2023

This is to inform all students of B.E. Computer Engineering, that the Value Added Program (VAP) on Machine Learning has organized for 6 days starting from 05/10/2023. It is scheduled on October 5th, 6th, 7th, 10th, 11th, and November 03rd, 2023 having 6hrs/day from 10:00am to 5:00pm. The venues of the workshop are classroom B201, Programming Lab and Internet Lab. The workshop will provide necessary hands-on Lab practice sessions of ML with python language to help students to accomplish their project work, syllabus contents related to MachineLearning.



VAP Coordinator Prof. Y. S. Gite



H.O.D.

Dr. K. C. Nalavade



Sandip Institute of Engineering and Management,

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techniques

related problems using Python

Objectives

To learn and realize the concepts of machine learning

Resource persons

Mr. Yogesh S. Gite

Asst. Professor, Department of Computer

Engineering, SIEM, Nashik

Important Dates

Last date of receiving Registration.

30th September 2023

Any Query Contact Organizing Coordinator

Communication Address

SANDIP INSTITUTE OF ENGINEERING &

MANAGEMENT, MAHIRAVANI, TRIMBAK ROAD TAL &

DIST. NASHIK-422213, MAHARSHTRA

Ph. (02594) 222581-85

www.sandipfoundation.org

SANDIP FOUNDATION'S

12. Brochure:

About Institute

Sandip Institute of Engineering & Management (SIEM) is offering from the Sandip Foundation to the people of Nashik. SIEM is located in the scenic, Eco-friendly and conductive to study campus at an elevation off the Trimbak Road (Mahiravani, Nashik). SIEM is accreditated B++ grade by NACC. At SIEM, the focus is on interactive Teaching Learning, Industrial Projects and Training, Faculty empowerment, Industrial visits so that learning is applicable oriented and students develop the necessary skills. SIEM is committed to imparting quality education in an atmosphere that will ensure that its students are confident, self-motivated and industry ready. Towards this goal, we are giving importance to qualified and experienced faculty for effective teaching learning process equipped our laboratories with best-in-class machines and instruments and developing overall personality of our students.

Executive Committee

Dr. G. N. Shelke (Director, Academics Affair, SF, SU) Dr. M. K. Sangole (Dean , SIEM) Dr. (Dean Administration, SIEM) Dr. S. K. Gade (Dean R&D, SIEM) Dr. A.S. Dube (Head Mechanical Engineering, SIEM) Prof. Y. R. Risodkar(Head E & TC Engineering, SIEM) Prof. R. K. Jha (Head Electrical Engineering, SIEM) Prof. B. N. Mulay (Head Civil Engineering, SIEM) Prof. R. J. Nayak (Head Applied Science, SIEM)

Organizing Committee

Prof. M. V. Korade (Asst. Prof. Computer Engg.) Prof. V.V. Mahale (Asst. Prof. Computer Engg.) Prof. N.S. Hirey (Asst. Prof. Computer Engg.) Prof. S.P. Dongare (Asst. Prof. Computer Engg.) Prof. N.B. Madke (Asst. Prof. Computer Engg.) Prof. P. V. Bhavsar (Asst. Prof. Computer Engg.)

13. Photos:



Value Addition Program on "Machine Learning"

05th October - 3rd November 2023.

Organized by Department of Computer Engineering,, SIEM

> **Chief Patron** Dr. Sandip Kumar N. Jha (Chairman, Sandip Foundation)

Patron Prof. Pramod K. Karole (Academic Facilitator. Sandip Foundation) Dr. D. P. Patil (Principal, SIEM)

Convener Dr. K. C. Nalavade (Head, Department of Computer Engineering, SIEM)

> Coordinator Mr. Yogesh S. Gite Asst Professor, SIEM





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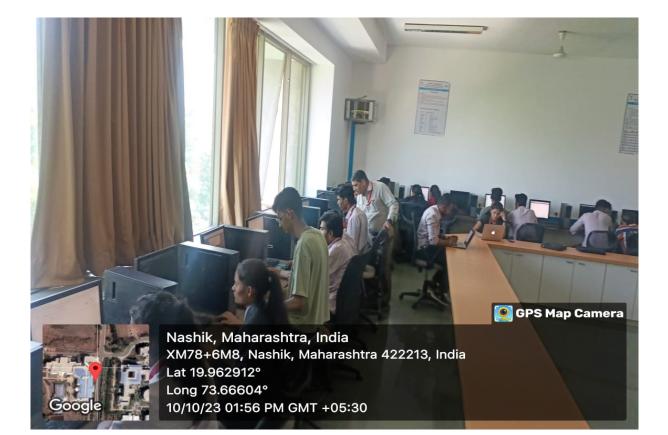
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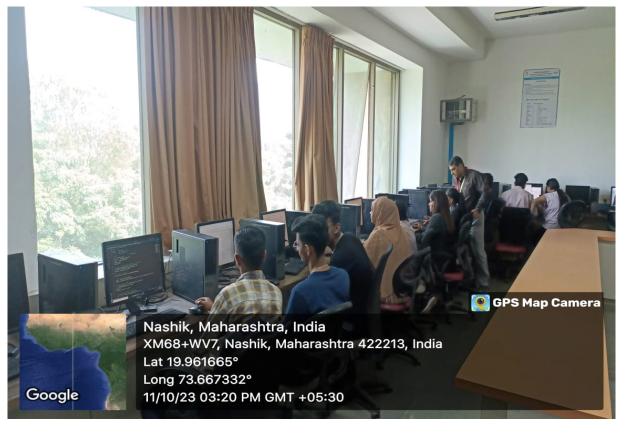
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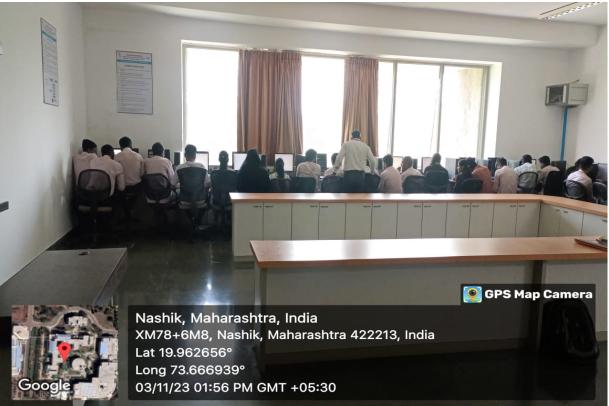
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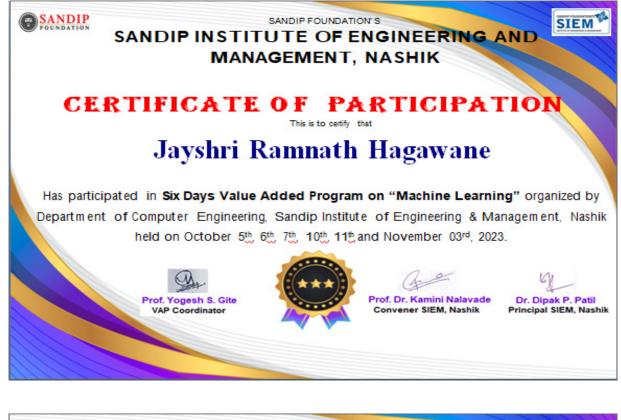






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15. Attendance of Students :-

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VAP coordinator Prof. Yogesh S. Gitc

H.O.D.

Dr. Kamini Nalavade