SANDIP FOUNDATION'S
Sandip Institute of Engineering and Management,
Mahiravani, Trimbak Road, Nashik- 422 213
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

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

11. Notice:

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

AY 2023-24

Department of Computer Engineering

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

Sandip Institute of Engineering & Management, Mahiravani, Nashik
COMPUTER ENGG. DEPT.

H.O.D.
Dr. K. C. Nalavade

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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.)

Objectives

- To learn and realize the concepts of machine learning techniques
- To improve programming proficiency with respects to data analytics in python
- To introduce statistical methods like regression and classification and how it can be applied to industry related problems using Python
- Understand the concept of clustering and classification

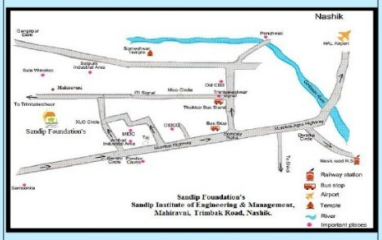
Resource persons

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 FOUNDATION'S
SANDIP INSTITUTE OF ENGINEERING & MANAGEMENT, MAHIRAVANI, TRIMBAK ROAD TAL & DIST. NASHIK-422213, MAHARSHTRA
Ph. (02594) 222581-85
www.sandipfoundation.org

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

13. Photos:

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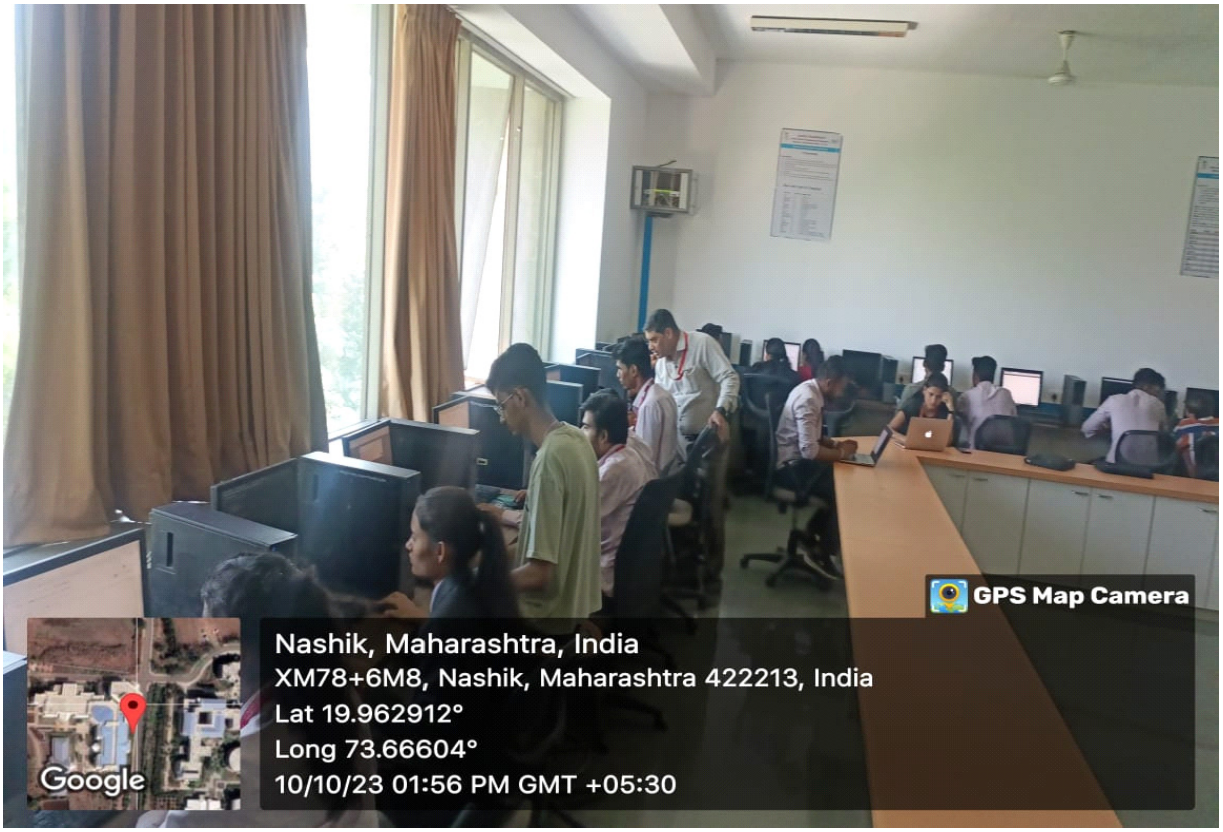

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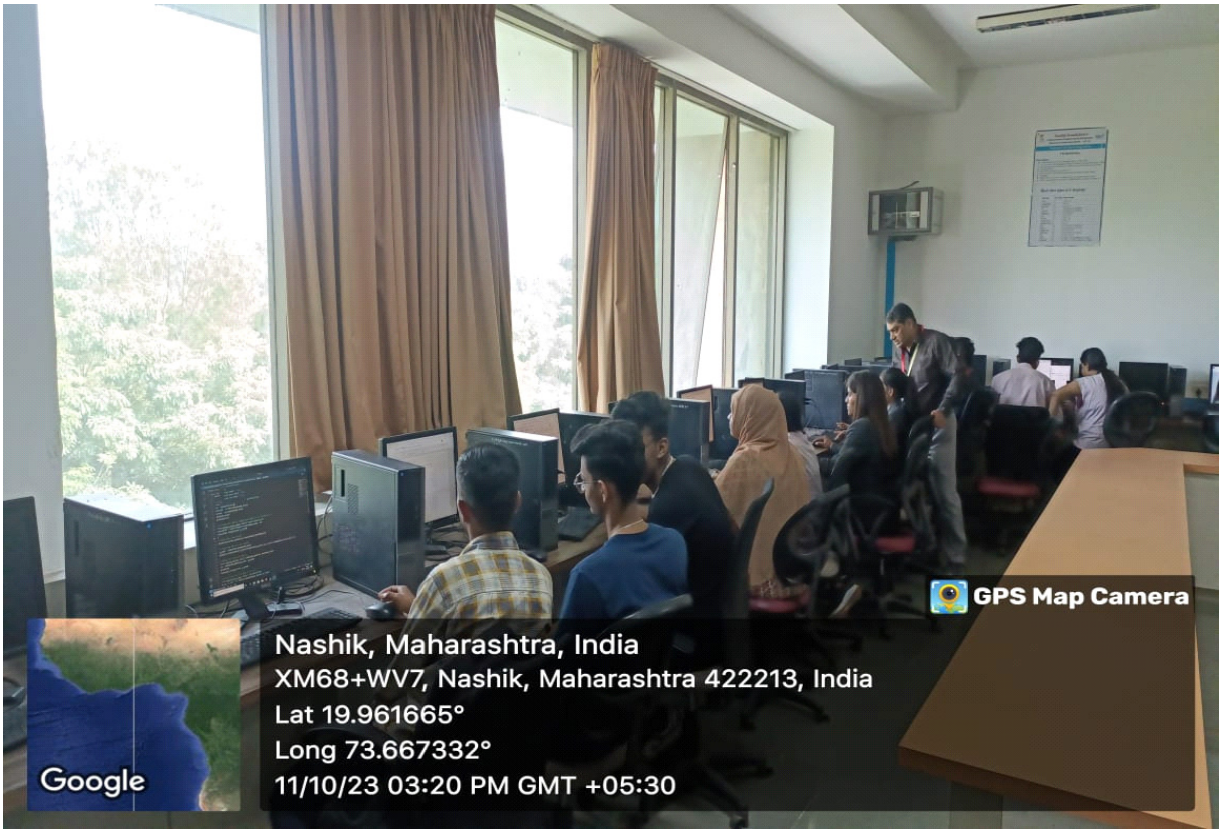

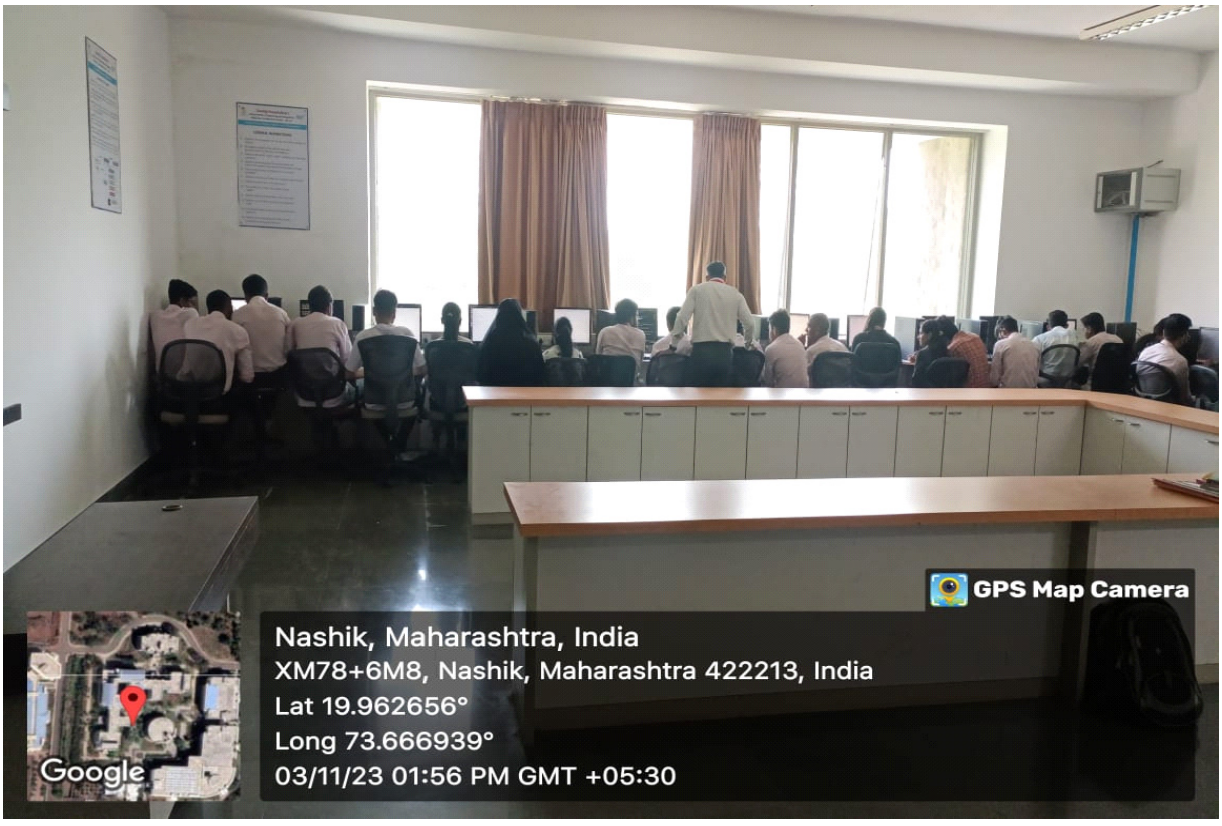

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14. Certificates:

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SANDIP INSTITUTE OF ENGINEERING AND MANAGEMENT, NASHIK

CERTIFICATE OF PARTICIPATION

This is to certify that

Abhishek Bhausaheb Dhatrak

Has participated in **Six Days Value Added Program on "Machine Learning"** organized by Department of Computer Engineering, Sandip Institute of Engineering & Management, Nashik held on October 5th, 6th, 7th, 10th, 11th, and November 03rd, 2023.

Prof. Yogesh S. Gite
VAP Coordinator

Prof. Dr. Kamini Nalavade
Convener SIEM, Nashik

Dr. Dipak P. Patil
Principal SIEM, Nashik

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SANDIP INSTITUTE OF ENGINEERING AND MANAGEMENT, NASHIK

CERTIFICATE OF PARTICIPATION

This is to certify that

Lalit Nana Pawar

Has participated in **Six Days Value Added Program on "Machine Learning"** organized by Department of Computer Engineering, Sandip Institute of Engineering & Management, Nashik held on October 5th, 6th, 7th, 10th, 11th and November 03rd, 2023.

Prof. Yogesh S. Gite
VAP Coordinator

Prof. Dr. Kamini Nalavade
Convener SIEM, Nashik

Dr. Dipak P. Patil
Principal SIEM, Nashik

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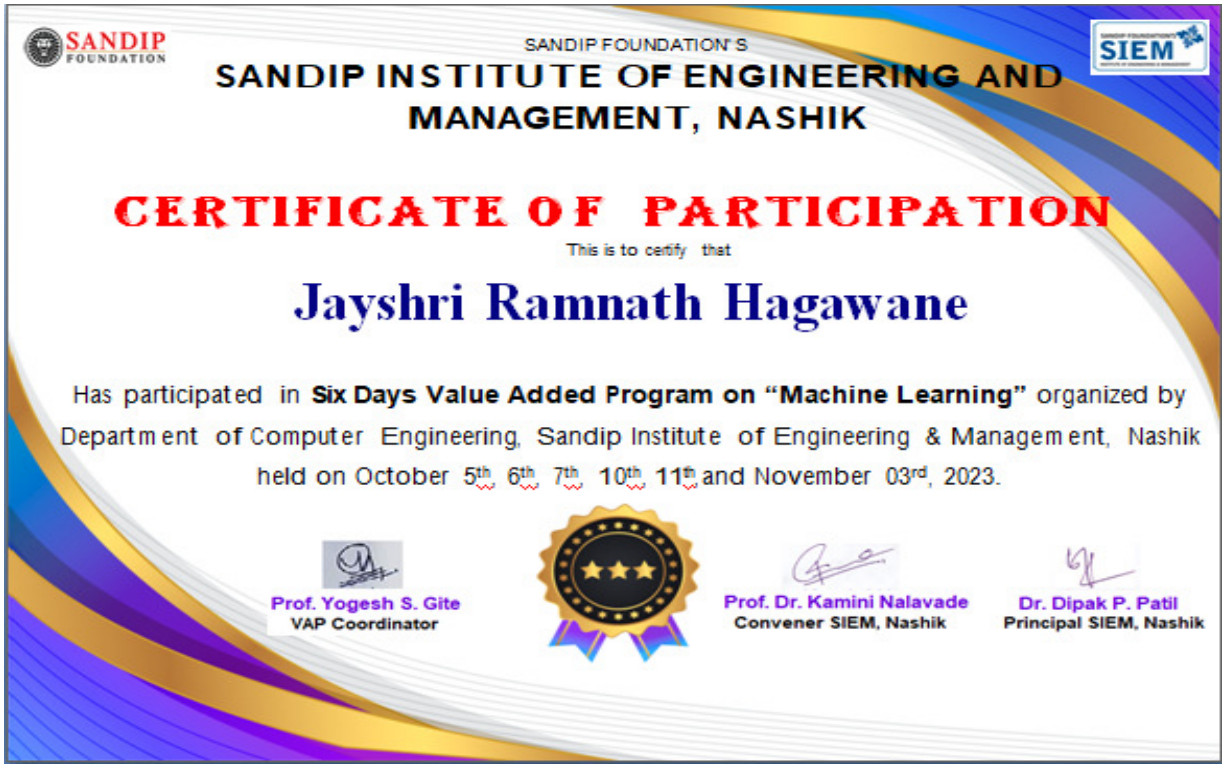

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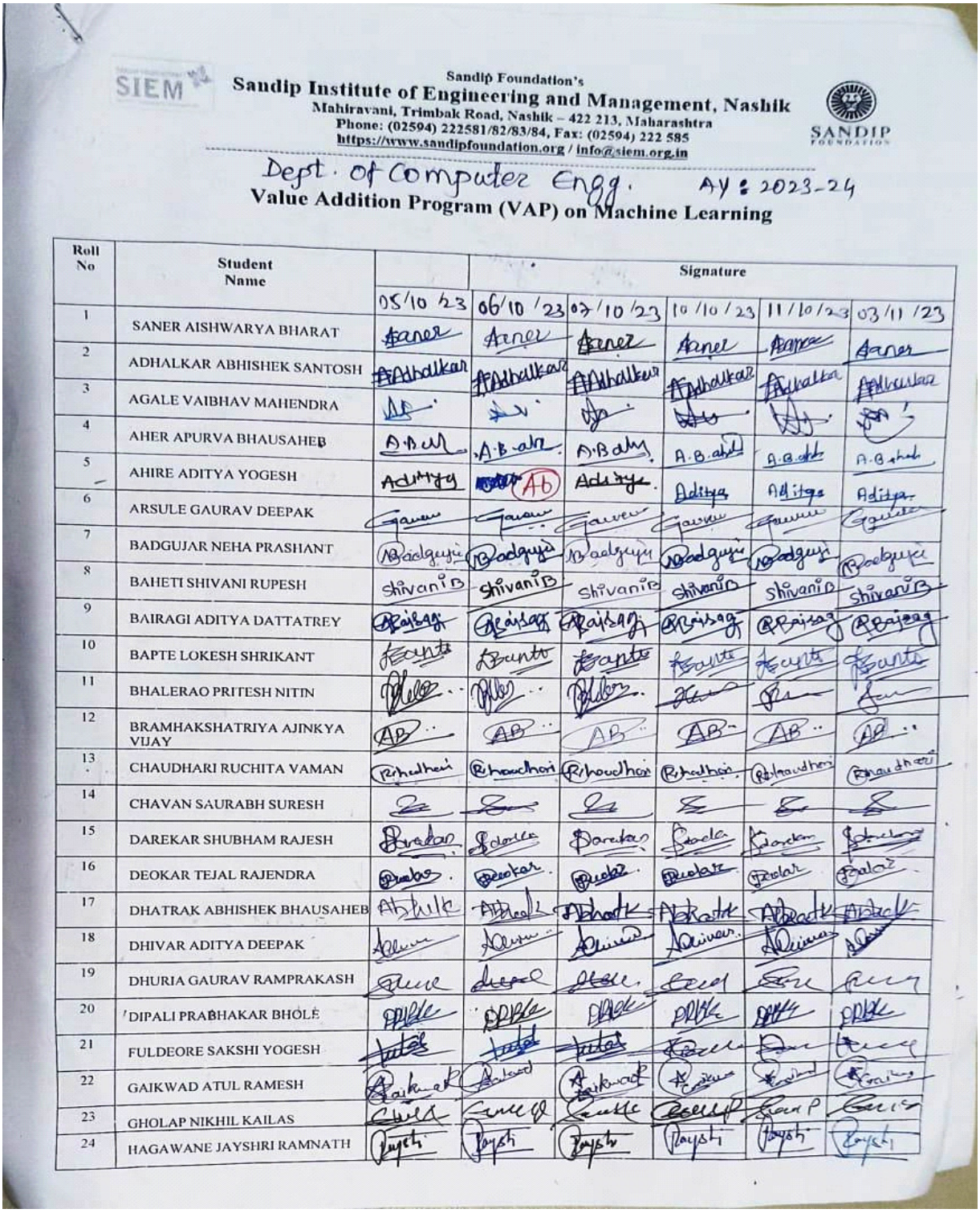
15. Attendance of Students :-



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https://www.sandipfoundation.org / info@siem.org.in

Dept. of Computer Engg. AY : 2023-24

Value Addition Program (VAP) on Machine Learning

Roll No	Student Name	Signature					
		05/10/23	06/10/23	07/10/23	10/10/23	11/10/23	03/11/23
1	SANER AISHWARYA BHARAT						
2	ADHALKAR ABHISHEK SANTOSH						
3	AGALE VAIBHAV MAHENDRA						
4	AHER APURVA BHAUSAHEB						
5	AHIRE ADITYA YOGESH		Ab				
6	ARSULE GAURAV DEEPAK						
7	BADGUJAR NEHA PRASHANT						
8	BAHETI SHIVANI RUPESH						
9	BAIRAGI ADITYA DATTATREY						
10	BAPTE LOKESH SHRIKANT						
11	BHALERAO PRITESH NITIN						
12	BRAMHAKSHATRIYA AJINKYA VIJAY						
13	CHAUDHARI RUCHITA VAMAN						
14	CHAVAN SAURABH SURESH						
15	DAREKAR SHUBHAM RAJESH						
16	DEOKAR TEJAL RAJENDRA						
17	DHATRAK ABHISHEK BHAUSAHEB						
18	DHIVAR ADITYA DEEPAK						
19	DHURIA GAURAV RAMPRAKASH						
20	DIPALI PRABHAKAR BHOLE						
21	FULDEORE SAKSHI YOGESH						
22	GAIKWAD ATUL RAMESH						
23	GHOLAP NIKHIL KAILAS						
24	HAGAWANE JAYSHRI RAMNATH						

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		05/10/23	06/10/23	07/10/23	10/10/2023	11/10/23	03/11/23
25	HARDE DNYANESHWARI VISHNU						
26	JADHAV SUYASH BALASAHEB						Ab
27	JADHAV YASHODIP RATNAKAR						
28	KALE OMKAR BABURAO						
29	KELA CHETAN RAJENDRA						
30	KHAIRNAR SAHIL SANJAY						
31	KOLHE SRUSHTEE SURESH						
32	KOTE VAISHNAVI RADHAKISAN						
33	KRISHNA PATIL						
34	KRUSHNA SANJAY BHOSALE						
35	KSHATRIYA AKASH VIJAY						
36	LATHIGARA NIKHIL VINOD						
37	LIHINAR SHIVCHARAN PANDHARINATH						
38	MEHETRE ADITYA PRADIP						
39	NARKHEDE PARTH SACHIN						
40	PATEL JAYESH UDDHAV	Absent	Ab	Ab	Ab	Ab	Ab
41	PATIL BHAVESH CHUNILAL						
42	PATIL DIVESH BHOJU	D B Patil	D B Patil	D B Patil	D B Patil	D B Patil	D B Patil
43	PATIL DURVESH SATISH	Absent	Ab	Ab	Ab	Ab	Ab
44	PATIL PUSHKAR MAHESH						
45	PATIL RITESH VASANT						Ab
46	PATIL TEJAS CHANDRASHEKHAR						
47	PAWAR GANESH BAPU						
48	PAWAR LALIT NANA						
49	PRATEEK RAMESH MARKE						

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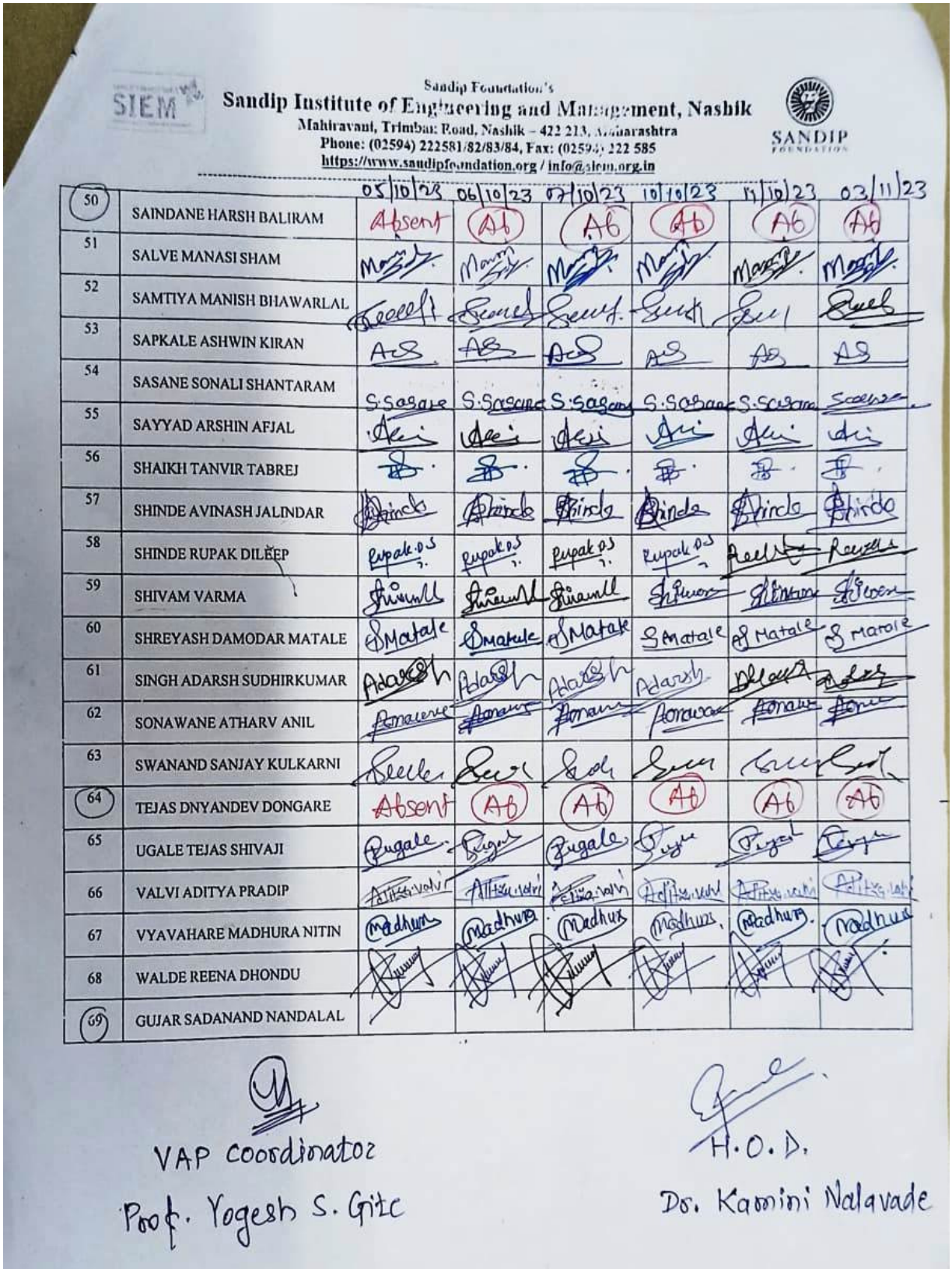

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		05/10/23	06/10/23	07/10/23	10/10/23	11/10/23	03/11/23
50	SAINDANE HARSH BALIRAM	Absent	AB	AB	AB	AB	AB
51	SALVE MANASI SHAM						
52	SAMTIYA MANISH BHAWARLAL						
53	SAPKALE ASHWIN KIRAN						
54	SASANE SONALI SHANTARAM						
55	SAYYAD ARSHIN AFJAL						
56	SHAIKH TANVIR TABREJ						
57	SHINDE AVINASH JALINDAR						
58	SHINDE RUPAK DILEEP						
59	SHIVAM VARMA						
60	SHREYASH DAMODAR MATALE						
61	SINGH ADARSH SUDHIRKUMAR						
62	SONAWANE ATHARV ANIL						
63	SWANAND SANJAY KULKARNI						
64	TEJAS DNYANDEV DONGARE	Absent	AB	AB	AB	AB	AB
65	UGALE TEJAS SHIVAJI						
66	VALVI ADITYA PRADIP						
67	VYAVAHARE MADHURA NITIN						
68	WALDE REENA DHONDU						
69	GUJAR SADANAND NANDALAL						

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