



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

FOUNDER CHANCELLOR
Dr. Patangrao Kadam
M.A., LL. B., Ph. D.

Accredited by NAAC With 'A' Grade
Approved by AICTE, New Delhi & Affiliated to Shivaji University, Kolhapur
Near Chitranagari, Kolhapur - 416013 (MS)
DTE INSTITUTE CODE : EN-6288
Tel.No.: (0231) 2638893, 2638894, Fax : 2636050
Web : <http://coekolhapur.bharatividyaapeeth.edu> E- mail : coekolhapur@bharatividyaapeeth.edu

PRINCIPAL
Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

NAAC SSR CYCLE- 2



Criterion 3	Research, Innovations and Extension
Key Indicator 3.2	Innovation Ecosystem
3.2.2 Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years	

3 days Hands-on Workshop on 'Data Science & Machine Learning'



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department** : **Computer Science & Engineering**
- **Name of Activity** : Three Days Hands-on-Workshop on “Data Science & Machine Learning using Python ” **in association with Vim Digitech Pune.**
- **Date of Activity** : 05th, 06th and 07th March 2020 & 2 Days Practice Sessions.
- **No. of Participants** : 62 (S. Y. , T. E. & B.E. Students) & 2 (faculty)
- **Resource Person** : Mr. Yamin Hakim, Vim Digitech, Pune.
- **Details of Activity:**

Mr. Yamin Hakim, Vim Digitech, Pune was resource person of the workshop. All registered students of SY, TE and BE class were present. Workshop was started with Lord Sarswati Poojan and Deep Prajwalan. Respected principal Dr. Vijay R. Ghorpade sir had delivered his thoughts on importance of authorized certifications for students to boost their skills and update their profile for placement. Mrs. S. M. Mulla - Head of CSE dept., introduced profile of the trainer and gave brief exposure to Machine Learning and its applications in the field of data science. Also she explored the contents of the workshop.

Mr. Yamin Hakim covered following points of Data Science and Machine Learning using Python during the workshop.

- Basics of Python and introduction to Jupyter notebook
- Numpy: (Numerical Python)
- Pandas: (Data Analysis)
- Matplotlib(Data Visualization)
- Machine Learning Introduction
- Machine Learning Algorithms for Linear, Multi-linear & Logistic Regression, Classification, Clustering etc.

All faculty members of the department were also present for the inaugural function which is conducted in Central Computing Facility. Workshop was organized on Thursday, Friday, and Saturday of the week. Total 62 students and 2 faculty members participated in workshop.

- **Outcome of Activity:**

Students and faculty members were participated in interactive sessions of 3 days hands-on-workshop on “Data Science & Machine Learning using Python” which covered the topics like exposure to basics of Python programming language, use of numpy, pandas & matplotlib, Hands-on for the different machine Learning Algorithms using Python. Trainer has delivered good contents with actual hands-on python programming which helped students to grasp the terms easily and taken short assignments to identify 5 best performers within 3 days of workshop.

We distributed the prizes with certificates to 5 students performed excellent in assignments given by the trainer.

Sr. No.	Name of the Students	Class
1	Mr. Chinnapa Biradar	B. E.
2	Mr. Ajinkya Patankar	T.E.
3	Ms. Shruti Shinde	T.E.
4	Ms. Pratikha Mane	S. Y.
5	Ms. Samriddhi Padwal	S. Y.

- **How it Bridges gap between Industry and Academia:**

Vim Digitech is a top digital marketing, e-commerce (CRM / ERP) & statistical computing app development company located in Pune. Being a knowledge platform, they believe in sharing their domain expertise through our workshop programs. The purpose of this workshop was to serve as an introduction to machine learning with Python. It explored clustering, classification, and regression algorithms and how they can help us to perform a variety of machine learning tasks. We have learned to generate predictions and perform segmentation on real-world data sets. In particular, we will structure our machine learning models as though we were producing a data product, an actionable model that can be used in larger programs.

Photos:

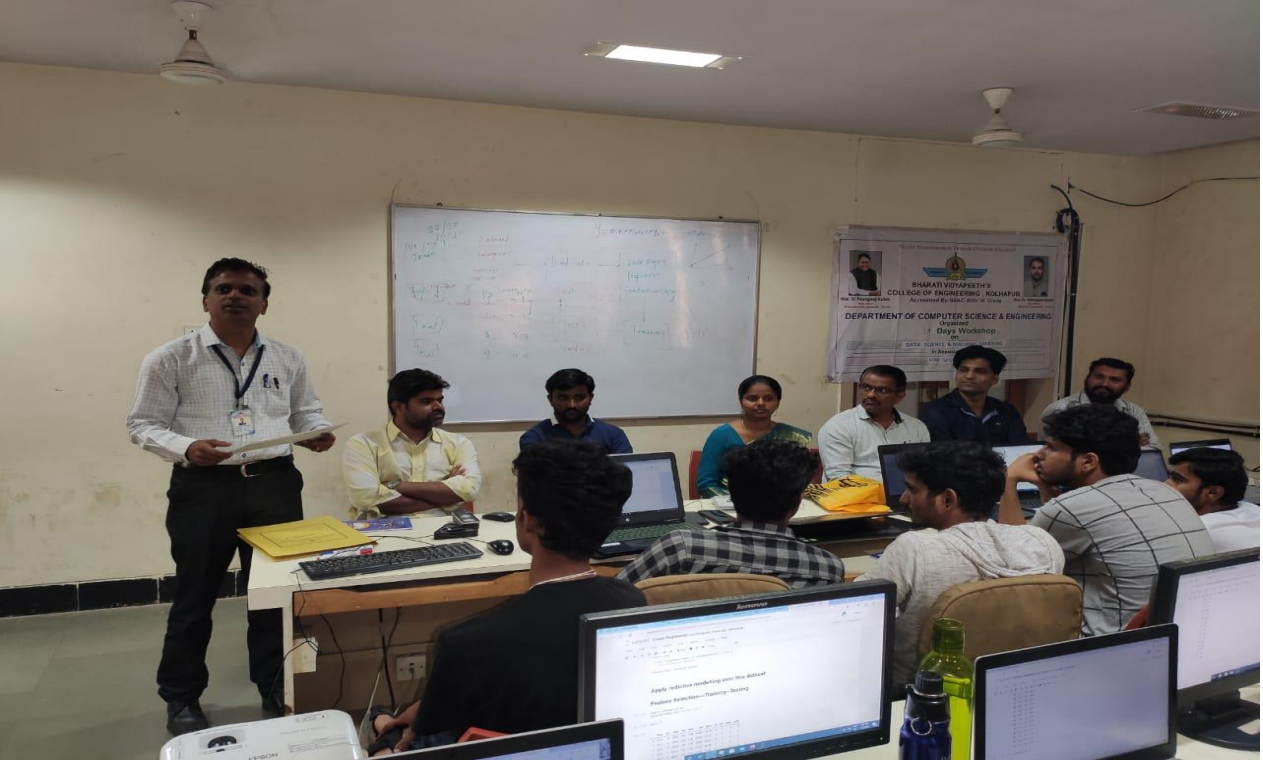


Inaugural Function of Three Days Hands-on-Workshop on “Data Science & Machine Learning using Python”





Workshop Sessions



Prize Distribution Ceremony

HOD-CSE
Mrs. S. M. Mulla

PRINCIPAL
Dr. V. R. Ghorpade

Certification Course "Hands-on: Data Science, Machine Learning using Python"

Syllabus

1. Basics of Python and Introduction to Jupyter Notebook

2. Complete Data Science

NumPy: (Numerical Python)

- ✦ Introduction to Numpy
- ✦ Datatypes of ndarrays
- ✦ Dealing with ndarrays, copies and views
- ✦ Arithmetic operations,
- ✦ Indexing , Slicing, splitting arrays
- ✦ Shape manipulation
- ✦ Stacking together different data

Pandas: (Data Analysis)

- ✦ DataFrame and Series
- ✦ DataFrame operations
- ✦ Data Slicing, indexing
- ✦ DataFrame functions
- ✦ Reading the files- csv, excel
- ✦ Boolean filtering
- ✦ Storing file in various formats
- ✦ Useful DataFrame functions
- ✦ Stats using pandas
- ✦ Dealing with missing data
- ✦ Operations over the data

Matplotlib (Data Visualization)

- ✦ Introduction to Matplotlib
- ✦ Formatting the graph: colors, markers, linestyle, etc
- ✦ Customization
- ✦ Plotting with list, arrays, pandas
- ✦ Line plot, Scatter plot, Pie plot, Bar plot, Histogram etc

3. Machine Learning

- ✦ Introduction to Machine learning, Types of Machine learning
- ✦ Concepts of Data Preprocessing, Data munging, Scaling
- ✦ Importing the data, functioning over the data
- ✦ Arithmetic operations
- ✦ Categorical and Continuous data

- ✦ Feature scaling, selection
- ✦ Binarization, Normalization. Label encoding

4. Machine Learning Algorithms

➤ Linear Regression

- ✦ Importing data
- ✦ Data Selection, operations
- ✦ Splitting the data into training and testing
- ✦ Call the model, build the model and train
- ✦ Finds the coefficients and intercept
- ✦ Accuracy measurements
- ✦ Visualization

➤ Multi Linear Regression

- ✦ Importing Datasets
- ✦ Data preprocessing
- ✦ Feature scaling
- ✦ Training and Testing split
- ✦ Characterizing regression
- ✦ Find coefficients and intercepts
- ✦ Finding accuracy

➤ Logistic Regression

- ✦ Theoretical introduction
- ✦ Importing Datasets
- ✦ Data pre-processing
- ✦ Feature scaling
- ✦ Characterizing regression
- ✦ Finding accuracy
- ✦ Confusion Matrix

➤ Decision Tree Classification

- ✦ Polynomial curves
- ✦ Polynomial features
- ✦ Importing dataset
- ✦ Preparing data, preprocessing
- ✦ Characterizing regression
- ✦ Evaluating regressor
- ✦ Finding accuracy

➤ Support Vector Machine

- ✦ SVM model
- ✦ Importing data, data Selection, operations
- ✦ Preprocessing

- ✦ Splitting the data into training and testing
- ✦ Call the model, build the model and train
- ✦ Predictions, Evaluating the algorithm

➤ Naïve Bayes Classification

- ✦ Naïve Bayes working flow
- ✦ Probability learning, Applications
- ✦ Splitting the data into training and testing
- ✦ Stepwise model building
- ✦ Predictions & Evaluating the algorithm

➤ KMeans clustering:

- ✦ Introduction to Unsupervised learning model
- ✦ K-means clustering in detail
- ✦ Importing the dataset
- ✦ Finding the clusters
- ✦ Visualize the clusters
- ✦ Applying the transformation
- ✦ Building the model
- ✦ Visualize complete clustered model.

➤ Projects on every algorithm (throughout the course)

Ledger book Page No.

Bharati Vidyapeeth

COLLEGE OF ENGINEERING, KOLHAPUR

Vr. No.

VOUCHER

To, The Principal, Bharati Vidyapeeth COLLEGE OF ENGINEERING, Kolhapur.

Name of the person receiving the Amount Mr. Yameen L. Hakim

Address V.m. Digttech Pune

Account : Date 7/3/2020

Particulars	Rs.	Ps.
Trainer's Remuneration	25,000/-	—
Total Rs. in words Twenty Five Thousand Only	25,000/-	—

Amount as per above particulars received in cash/by cheque No : Bank

Principal

Administrative officer

Accountant/Cashier


-7/3/20

Sign. of Receiver

Date: 5/03/2020

To
The Principal,
BharatiVidyapeeth's
College of Engineering, Kolhapur

Subject: Regarding Expenditure of Workshop on "Data Science , Machine Learning using Python"

Respected sir,

With respect to above mentioned subject, we have conducted three days' workshop for students on "Data Science , Machine Learning using Python" from 5thMarch to 7th March 2020 with Vim Digitech, Pune.

For the same we have paid remuneration of trainer. Total expenditure of this event is as follows:

Sr.no	Items	Quantity	Rupees	Total
1	Ashok Stationers	1	1643	1643
2	Shree Sai Sales Agencies	1	75	75
3	Best Bakery Café-Water Bottle	3	30	30
4	Bouquet &Har	1	150	150
Grand Total				Rs. 1898 /-

I kindly request you to sanction the same.

Thanking you.



Yours Faithfully,
Mrs. Shagupta M. Mulla
Head, Dept. of CSE.



Dr. Vijay R. Ghorpade
PRINCIPAL

33
 Bharati Vidya Path

ASHOKA STATIONERS
 BAZAR GATE, KOLHAPUR,
 KHANU - 922 6348-555

04/03/20

NZIC09ZEMPKV72
 GST NO.
 27AAKPW3260C1ZN

Premod Kharade (Bharati Vidya Path)

62 पं का 1/2 1305
 62 पं का 4 248

1643 / 1643

(Signature)
 IN. GST.

(Signature)

Shree Sai Sales Agencies



डिस्पोजेबल अँड थर्माकोल

1326, C Ward, Kolhapur, Kom

No. 2051 Date: 4/3/20

Mr. भारत विद्यापथ, कोल्हापूर

No.	Particulars	Amount
-----	-------------	--------

	घटक प SPKT.	75/-
		75/-

Customers Sign.

(Signature) Proprietor

CASH / CREDIT MEMO नगद / पत्र रसिद

From: **वेस्ट बॅकरी कॅफे**

9399, बी वॉर्ड, मंगळवार पेठ,
 शिंगोशी मार्केटसमोर, कोल्हापूर.

No.: 63
 क्रमांक
 Date: 05/03/20
 दिनांक

QTY. संख्या	PARTICULAR विवरण	RATE दर	AMOUNT ₹ रक्कम
03	कॉफी 1/2 लिटर फ्रांको काँफे.	10	30
TOTAL टोटल			30

Thank You



धन्यवाद

M.V.T.

॥ श्री महालक्ष्मी प्रसाद ॥ मो. मनोज : 9890775060
9561754545
राजू : 9921110654
पप्पा : 8688697500

रिद्धी फलॉवर्स

होलसेल व किरकोळ फुलांचे व्यापारी

प्रोग्रा : मनोज व. ठकार

गाळा नं: २७, शिंगोशी मार्केट, कोळंकर तिकटी,
मंगळवार पेठ, कोल्हापूर, फो. (नि.) 0231-2645070

नंबर : 375

दिनांक : 04(03)2020

मेसर्स

श्रीमती विद्यापति, कोल्हापूर

अ.नं.	तपशील	नग	दर	रुपये
1.	बुके	१	100	100/-
2.	हाट	1	50	50/-
एकूण -				150/-
अडव्हान्स -				-
बाकी -				-

ग : एकदा विकलेला माल परत घेतला जाणार नाही.

रिद्धी फलॉवर्स करिता

English Translation Bill

To Bharati Vidyapeeth College of
Engineering Kolhapur.
ASHOKA STATIONERS
BAZAR GAT, KOLHAPUR,
KHANU-9226348555
GST No.
27AAKPW3260C1ZN
Dated: 04/03/2020

Pramod Kharade(Bharati Vidyapeeth)

62 Conference Pad	22.50	1395
62 Pen	4	248
Total		1643/-

Shree Sai Sales Agencies
No. 2051 Date: 04/03/2020
Mr. Bharati Vidyapeeth College of
Engineering Kolhapur.

No.	Particular	Amount
1	Tea Cup 5pkt	75/-
		75/-

Customer Sign

Proprietor

Cash Memo

Best Bekari Café Mangalwar Peth, Kolhapur	No. 63 Date: 05/03/2020
--	-------------------------------

M/s. Pramod Kharade.

QTY	Particular	Rate	Amount
03	Water Bottle	10	30
Thank you		Total	30/-

Cash Memo

Ridhi Flowers	No. 375 Date: 04/03/2020
---------------	--------------------------------

Mr. Bharati Vidyapeeth College of
Engineering Kolhapur.

No.	Particular	QTY	Rate	Amount
1	Flower Booke	1	100	100/-
2	Har	1	50	50/-
			Total	150/-

Thank you



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Date: 04-03-2020

To,
The Principal,
BVCOE, Kolhapur

Subject: About generator facility for Machine Learning Workshop

Our Department is organizing 3 days Machine Learning workshop from 5th March 2020 TO 7th March 2020, for which continuous power supply is required. For the smooth conduction of the same and to avoid electricity problems, we need generator facility on the same days.

So please do the needful.

Thanking You

Permitted
2.413
[Signature]

[Signature]
Yours Sincerely
Mr. P. A. Kharade



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PRINCIPAL

Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

Ref. No. BV/COEK / 715 / 2019 -2020

Date : 4/03/2020

To,

Mr. Yamin Hakim,

Vim Digitech, Pune

Subject: - Invitation as a resource person for workshop on "Machine Learning"


Respected Sir,


It gives me immense pleasure to inform you that Department of Computer Science & Engineering has organized three days workshop on "Machine Learning" from 5th March to 7th March 2020 in association with Vim Digitech, Pune.

We wish to invite you as a resource person for this workshop. Your Session will be for three days from 09.00 am to 5.00 pm.

We kindly request you to accept our invitation. The information brochure of this program is enclosed here with.

Thanking You,


Mrs. S. M. Mulla
Convener


Dr. Vijay R. Ghorpade
Principal

Received




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PRINCIPAL
Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

Ref. No. BV/COEK / 729 / 2019 -2020

Date: 07/03/2020

To,
Mr. Yamin Hakim,
Vim Digitech, Pune.


Dear Sir,


On behalf of Bharati Vidyapeeth's College of Engineering, Kolhapur, we wish to thank you for the valuable contribution you made at the 3 days workshop on "Machine Learning" from 5th March 2020 to 7th March 2020 in association with Vim Digitech, Pune. The feedback we have received, the program was a great success.

We appreciate the time you took out of your busy schedule to join us and thank you for sharing your insights and expertise with our attendees. Your willingness to volunteer your time, energy and support is greatly appreciated. We also hope to have your association with us in future.

Again, many thanks for your time and effort.

Sincerely,


Mrs. S. M. Mulla
Convener


Dr. Vijay R. Ghorpade
Principal

Received




3 days Hands-on Workshop on "Machine Learning" probably on 5th, 6th 7th March 2020

REGISTRATION FORM

College:- Bharati Vidyapeeth's College of Engineering, Kolhapur
Workshop Center:- Computer Science & Engineering Department.
Roll No:- 01

Class:- TE (CSE)

Name	Contact	Email-ID
Azade Vinayak Jaywant	8698689952	vinayakazade2@gmail.com

Course Name:-Machine Learning

Date:- 24-2-2020

Amount Received:- 500/-

Participant Sign

Student Coordinator Sign

Faculty Coordinator Sign

Data Science and Machine Learning Workshop

Attendance sheet Day 1 (5th March 2020)

Roll no	SYCSE	Session I	Session II	Session III
1	Divya Aswale	<i>Divya Aswale</i>	<i>Divya Aswale</i>	<i>Divya Aswale</i>
2	Unnati Prashant Belapurkar	<i>Unnati</i>	<i>Unnati</i>	<i>Unnati</i>
3	Shubham R. Bhakare	<i>Shubham R. Bhakare</i>	<i>Shubham R. Bhakare</i>	<i>Shubham R. Bhakare</i>
4	Shrutika S. Bhintade	<i>Shrutika S. Bhintade</i>	<i>Shrutika S. Bhintade</i>	<i>Shrutika S. Bhintade</i>
6	Rohan B. Bhosale	<i>Rohan B. Bhosale</i>	<i>Rohan B. Bhosale</i>	<i>Rohan B. Bhosale</i>
10	Vaibhav V Gavkar	<i>Vaibhav V Gavkar</i>	<i>Vaibhav V Gavkar</i>	<i>Vaibhav V Gavkar</i>
12	Shweta S. Giri	<i>Shweta S. Giri</i>	<i>Shweta S. Giri</i>	<i>Shweta S. Giri</i>
17	Vedika P. Hodage	<i>Vedika P. Hodage</i>	<i>Vedika P. Hodage</i>	<i>Vedika P. Hodage</i>
22	Anushka Shrikrishna Kamat	<i>Anushka Shrikrishna Kamat</i>	<i>Anushka Shrikrishna Kamat</i>	<i>Anushka Shrikrishna Kamat</i>
24	Samruddhi Ajit Ghorpade	<i>Samruddhi Ajit Ghorpade</i>	<i>Samruddhi Ajit Ghorpade</i>	<i>Samruddhi Ajit Ghorpade</i>
27	Pavan U Koli	<i>Pavan U Koli</i>	<i>Pavan U Koli</i>	<i>Pavan U Koli</i>
31	Praveen Sanjay More	<i>Praveen Sanjay More</i>	<i>Praveen Sanjay More</i>	<i>Praveen Sanjay More</i>
32	Pratiksha P. Mane	<i>Pratiksha P. Mane</i>	<i>Pratiksha P. Mane</i>	<i>Pratiksha P. Mane</i>
34	Ujvala Prakash Niroli	<i>Ujvala Prakash Niroli</i>	<i>Ujvala Prakash Niroli</i>	<i>Ujvala Prakash Niroli</i>
36	Pratiksha R. Patil	<i>Pratiksha R. Patil</i>	<i>Pratiksha R. Patil</i>	<i>Pratiksha R. Patil</i>
40	Pranoti K. Raut	<i>Pranoti K. Raut</i>	<i>Pranoti K. Raut</i>	<i>Pranoti K. Raut</i>
42	Utkarsha P Salokhe	<i>Utkarsha P Salokhe</i>	<i>Utkarsha P Salokhe</i>	<i>Utkarsha P Salokhe</i>
44	Ajay Uday Thanekar	<i>Ajay Uday Thanekar</i>	<i>Ajay Uday Thanekar</i>	<i>Ajay Uday Thanekar</i>
46	Rasika G. Varape	<i>Rasika G. Varape</i>	<i>Rasika G. Varape</i>	<i>Rasika G. Varape</i>
47	Shilpa P. Waghmode	<i>Shilpa P. Waghmode</i>	<i>Shilpa P. Waghmode</i>	<i>Shilpa P. Waghmode</i>
48	Rahul A Yetale	<i>Rahul A Yetale</i>	<i>Rahul A Yetale</i>	<i>Rahul A Yetale</i>
55	Priyanka Nivrutti Sawant	<i>Priyanka Nivrutti Sawant</i>	<i>Priyanka Nivrutti Sawant</i>	<i>Priyanka Nivrutti Sawant</i>
60	Samruddhi Sanjay Padwal	<i>Samruddhi Sanjay Padwal</i>	<i>Samruddhi Sanjay Padwal</i>	<i>Samruddhi Sanjay Padwal</i>
61	Sumaiyya M. Jamadar	<i>Sumaiyya M. Jamadar</i>	<i>Sumaiyya M. Jamadar</i>	<i>Sumaiyya M. Jamadar</i>
63	Pratiksha Maruti Punekar	---	---	---
67	Dnyaneshwari Mahesh Desai	<i>Dnyaneshwari Mahesh Desai</i>	<i>Dnyaneshwari Mahesh Desai</i>	<i>Dnyaneshwari Mahesh Desai</i>
68	Pranali Namdev Khavare	<i>Pranali Namdev Khavare</i>	<i>Pranali Namdev Khavare</i>	<i>Pranali Namdev Khavare</i>
70	Shreya Anil Kubade (AMGOZ)	<i>Shreya Anil Kubade</i>	<i>Shreya Anil Kubade</i>	<i>Shreya Anil Kubade</i>
71	Aarti Aarati Bakare(AMGOI)	<i>Aarti Aarati Bakare</i>	<i>Aarti Aarati Bakare</i>	<i>Aarti Aarati Bakare</i>

Roll no	TECSE	Session I	Session II	Session III
1	Vinayak Arade	Vinayak	Vinayak	Vinayak
2	Sushant D Aswale	Sushant	Sushant	Sushant
9	Kelvin Fernandes	Kelvin	Kelvin	Kelvin
10	Priyanka Dhananjay Gadgimath	Priyanka	Priyanka	Priyanka
11	Onkar Anil Gaikwad	Onkar	Onkar	Onkar
12	Vaishali Dinkar Jadhav	Vaishali	Vaishali	Vaishali
13	Mohini Siddhappa Kamble	Mohini	Mohini	Mohini
14	Vaibhav Dilip Kamble	Vaibhav	Vaibhav	Vaibhav
16	Sanket S Kanar	Sanket	Sanket	Sanket
20	Abhishek Mahajan	Abhishek	Abhishek	Abhishek
21	Anuja Vijay Mandavkar	Anuja	Anuja	Anuja
23	Abhilash Rajendra Marathe	Abhilash	Abhilash	Abhilash
25	Sameer Mujawar	Sameer	Sameer	Sameer
27	Kunal Ningarani	Kunal	Kunal	Kunal
28	Archana Narayan Pasare	Archana	Archana	Archana
29	Ajinkya Udaysinh Patankar	Ajinkya	Ajinkya	Ajinkya
30	Yashraj Patankar	Yashraj	Yashraj	Yashraj
31	Ekata Bharat Patel	Ekata	Ekata	Ekata
32	Anjali Rajesh Patil	Anjali	Anjali	Anjali
33	Navdip Appaso Patil	Navdip	Navdip	Navdip
35	Aarti Anil Pore	Aarti	Aarti	Aarti
36	Shweta Sanjay Sawant	Shweta	Shweta	Shweta
38	Parth Shinde	Parth	Parth	Parth
39	Srushti Sidram Shinde	Srushti	Srushti	Srushti
44	Sharad Adhikrao Yadav	Sharad	Sharad	Sharad
45	Akash Yenarwar	Akash	Akash	Akash
47	Srushti Prashant Tade	Srushti	Srushti	Srushti
48	Diplaee Lala Gondhale	Diplaee	Diplaee	Diplaee

Roll no	BECSE	Session I	Session II	Session III
5	Dinesh Manwani	Dinesh	Dinesh	Dinesh
	Shruti Jadhav	AB	AB	AB
6	Aarti S Masal	Aarti	Aarti	Aarti

TECSE 49 - Kunal B. Ningarani
 02 Vinayak J. Arade

BHARATI VIDYAPEETH COLLEGE OF ENGINEERING, KOLHAPUR

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Three Days Workshop on Data Science and Machine Learning

(5TH MARCH 2020 TO 7TH MARCH 2020)Attendance sheet Day 2 (6th March 2020)

Roll no	SYCSE	Session I	Session II	Session III
1	Divya Aswale Mohan Aswale	Aswale	Aswale	Aswale
2	Unnati Prashant Belapurkar	Unnati	Unnati	Unnati
3	Shubham R. Bhakare	Bhakare	Bhakare	Bhakare
4	Shrutika S. Bhintade	Shrutika S.	Shrutika S.	Shrutika S.
6	Rohan B. Bhosale	Bhosale	Bhosale	Bhosale
10	Vaibhav V Gawkar Vijay Gavakar	Gawkar	Gawkar	Gawkar
12	Shweta S. Giri	Giri	Giri	Giri
17	Vedika P. Hodage Padmakar	Hodage	Hodage	Hodage
22	Anushka Shrikrishna Kamat	Kamat	Kamat	Kamat
24	Samruddhi Ajit Ghorpade	Ghorpade	Ghorpade	Ghorpade
27	Pavan U Koli Uttam	Koli	Koli	Koli
31	Praveen Sanjay More	More	More	More
32	Pratiksha P. Mane	Mane	Mane	Mane
34	Ujvala Prakash Niroli	Niroli	Niroli	Niroli
36	Pratiksha R. Patil Ravindrakumar	Patil	Patil	Patil
40	Pranoti K. Raut Krushnat	Pranoti K.	Pranoti K.	Pranoti K.
42	Utkarsha P Salokhe	Salokhe	Salokhe	Salokhe
44	Ajay Uday Thanekar	Thanekar	Thanekar	Thanekar
46	Rasika G. Varape Govind	Varape	Varape	Varape
47	Shilpa P. Waghmode PANDURANG	Shilpa P.	Shilpa P.	Shilpa P.
48	Rahul A Yetale	Yetale	Yetale	Yetale
55	Priyanka Nivrutti Sawant	RSawant	RSawant	RSawant
60	Samrudhi Sanjay Padwal	Samrudhi	Samrudhi	Samrudhi
61	Sumaiyya M. Jamadar Mehaboob	Jamadar	Jamadar	Jamadar
63	Pratiksha Maruti Punekar	P.M. Punekar	P.M. Punekar	P.M. Punekar
67	Dnyaneshwari Mahesh Desai	Desai	Desai	Desai
68	Pranali Namdev Khavare	Khavare	Khavare	Khavare
	Shreya Anil Kubade (AMGOI)	Kubade	Kubade	Kubade
	Aarti Bakare (AMGOI)	Bakare	Bakare	Bakare

Roll no	TECSE	Session I	Session II	Session III
1	Vinayak Arade Jaywant	VArade	VArade	VArade
2	Sushant D Aswale	Sushant	Sushant	Sushant
9	Kelvin Fernandes (Danish)	Kel	Kel	Kel
10	Priyanka Dhananjay Gadgimath	Priyanka	Priyanka	Priyanka
11	Onkar Anil Gaikwad	Onkar	Onkar	Onkar
12	Vaishali Dinkar Jadhav	VJadhav	VJadhav	VJadhav
13	Mohini Siddhappa Kamble	MKamble	MKamble	MKamble
14	Vaibhav Dilip Kamble	VKamble	VKamble	VKamble
16	Sanket S Kanar	Sanket	Sanket	Sanket
20	Abhishek Mahajan (Shivaji)	Abhishek	Abhishek	Abhishek
21	Anuja Vijay Mandavkar	Anuja	Anuja	Anuja
23	Abhilash Rajendra Marathe	Abhilash	Abhilash	Abhilash
25	Sameer Mujawar (Maulaali)	Sameer	Sameer	Sameer
27	Kunal Ningarani Basaveshwar	Kunal	Kunal	Kunal
28	Archana Narayan Pasare	Archana	Archana	Archana
29	Ajinkya Udaysinh Patankar	Ajinkya	Ajinkya	Ajinkya
30	Yashraj Patankar (Jagdisingh)	Yashraj	Yashraj	Yashraj
31	Ekata Bharat Patel	Ekata	Ekata	Ekata
32	Anjali Rajesh Patil	Anjali	Anjali	Anjali
33	Navdip Appaso Patil [Navadip]	Navdip	Navdip	Navdip
35	Aarti Anil Pore	Aarti	Aarti	Aarti
36	Shweta Sanjay Sawant	Shweta	Shweta	Shweta
38	Parth Shinde Santaji	Parth	Parth	Parth
39	Srushti Sidram Shinde	Srushti	Srushti	Srushti
44	Sharad Adhikrao Yadav	Sharad	Sharad	Sharad
45	Akash Yenarwar Shailendra	Akash	Akash	Akash
47	Srushti Prashant Tade	Srushti	Srushti	Srushti
48	Diplae Lala Gondhale	Diplae	Diplae	Diplae

Roll no	BECSE	Session I	Session II	Session III
5	Dinesh Manwani (Rajkumar)	DManwani	DManwani	DManwani
	Shruti Jadhav	AB	AB	
6	Aarti S Masal (Aarti Sanjay Masal)	AMasal	AMasal	AMasal
37	Suraj Shamrao Patil	SPatil	SPatil	SPatil
39	Channappa Ishvar Biradar	CBiradar	CBiradar	CBiradar

**BHARATI VIDYAPEETH COLLEGE OF ENGINEERING, KOLHAPUR
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

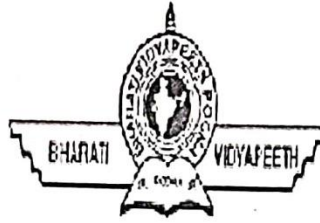
**Three Days Workshop on Data Science and Machine Learning
(5TH MARCH 2020 TO 7TH MARCH 2020)**

Attendance Day 3

Roll no	SYCSE	Session I	Session II	Session III
1	Divya Aswale	<u>Divya Aswale</u>	<u>Divya Aswale</u>	<u>Divya Aswale</u>
2	Unnati Prashant Belapurkar	<u>Unnati</u>	<u>Unnati</u>	<u>Unnati</u>
3	Shubham R. Bhakare	<u>Bhakare</u>	<u>Bhakare</u>	<u>Bhakare</u>
4	Shrutika S. Bhintade	<u>Shrutika S. Bhintade</u>	<u>Shrutika S. Bhintade</u>	<u>Shrutika S. Bhintade</u>
6	Rohan B. Bhosale	<u>Rohan B. Bhosale</u>	<u>Rohan B. Bhosale</u>	<u>Rohan B. Bhosale</u>
10	Vaibhav V Gavkar	<u>Vaibhav V Gavkar</u>	<u>Vaibhav V Gavkar</u>	<u>Vaibhav V Gavkar</u>
12	Shweta S. Giri	<u>Shweta S. Giri</u>	<u>Shweta S. Giri</u>	<u>Shweta S. Giri</u>
17	Vedika P. Hodage	<u>Vedika P. Hodage</u>	<u>Vedika P. Hodage</u>	<u>Vedika P. Hodage</u>
22	Anushka Shrikrishna Kamat	<u>Anushka</u>	<u>Anushka</u>	<u>Anushka</u>
24	Samruddhi Ajit Ghorpade	<u>Samruddhi</u>	<u>Samruddhi</u>	<u>Samruddhi</u>
27	Pavan U Koli	<u>Pavan U Koli</u>	<u>Pavan U Koli</u>	<u>Pavan U Koli</u>
31	Praveen Sanjay More	<u>Praveen</u>	<u>Praveen</u>	<u>Praveen</u>
32	Pratiksha P. Mane	<u>Pratiksha</u>	<u>Pratiksha</u>	<u>Pratiksha</u>
34	Ujvala Prakash Niroli	<u>Ujvala</u>	<u>Ujvala</u>	<u>Ujvala</u>
36	Pratiksha R. Patil	<u>Pratiksha</u>	<u>Pratiksha</u>	<u>Pratiksha</u>
40	Pranoti K. Raut	<u>Pranoti K. Raut</u>	<u>Pranoti K. Raut</u>	<u>Pranoti K. Raut</u>
42	Utkarsha P Salokhe	<u>Utkarsha</u>	<u>Utkarsha</u>	<u>Utkarsha</u>
44	Ajay Uday Thanekar	<u>Ajay Uday Thanekar</u>	<u>Ajay Uday Thanekar</u>	<u>Ajay Uday Thanekar</u>
46	Rasika G. Varape	<u>Rasika G. Varape</u>	<u>Rasika G. Varape</u>	<u>Rasika G. Varape</u>
47	Shilpa P. Waghmode	<u>Shilpa P. Waghmode</u>	<u>Shilpa P. Waghmode</u>	<u>Shilpa P. Waghmode</u>
48	Rahul A Yetale	<u>Rahul A Yetale</u>	<u>Rahul A Yetale</u>	<u>Rahul A Yetale</u>
55	Priyanka Nivrutti Sawant	<u>Priyanka Nivrutti Sawant</u>	<u>Priyanka Nivrutti Sawant</u>	<u>Priyanka Nivrutti Sawant</u>
60	Samrudhi Sanjay Padwal	<u>Samrudhi Sanjay Padwal</u>	<u>Samrudhi Sanjay Padwal</u>	<u>Samrudhi Sanjay Padwal</u>
61	Sumaiyya M. Jamadar	<u>Sumaiyya M. Jamadar</u>	<u>Sumaiyya M. Jamadar</u>	<u>Sumaiyya M. Jamadar</u>
63	Pratiksha Maruti Punekar	<u>P.M. Punekar</u>	<u>P.M. Punekar</u>	<u>P.M. Punekar</u>
67	Dnyaneshwari Mahesh Desai	<u>Desai</u>	<u>Desai</u>	<u>Desai</u>
68	Pranali Namdev Khavare	<u>Khavare</u>	<u>Khavare</u>	<u>Khavare</u>
	Shreya Anil Kubade (AMGOI)	<u>Kubade</u>	<u>Kubade</u>	<u>Kubade</u>
	Aarti Bakare(AMGOI)	<u>Bakare</u>	<u>Bakare</u>	<u>Bakare</u>

Roll no	TECSE	Session I	Session II	Session III
1	Vinayak Arade	Arade	Arade	Arade
2	Sushant D Aswale	Aswale	Aswale	Aswale
9	Kelvin Fernandes	Fernandes	Fernandes	Fernandes
10	Priyanka Dhananjay Gadgimath	Gadgimath	Gadgimath	Gadgimath
11	Onkar Anil Gaikwad	Gaikwad	Gaikwad	Gaikwad
12	Vaishali Dinkar Jadhav	Jadhav	Jadhav	Jadhav
13	Mohini Siddhappa Kamble	Kamble	Kamble	Kamble
14	Vaibhav Dilip Kamble	Kamble	Kamble	Kamble
16	Sanket S Kanar	Kanar	Kanar	Kanar
20	Abhishek Mahajan	Mahajan	Mahajan	Mahajan
21	Anuja Vijay Mandavkar	Mandavkar	Mandavkar	Mandavkar
23	Abhilash Rajendra Marathe	Marathe	Marathe	Marathe
25	Sameer Mujawar	Mujawar	Mujawar	Mujawar
27	Kunal Ningarani	Ningarani	Ningarani	Ningarani
28	Archana Narayan Pasare	Pasare	Pasare	Pasare
29	Ajinkya Udaysinh Patankar	Patankar	Patankar	Patankar
30	Yashraj Patankar	Patankar	Patankar	Patankar
31	Ekata Bharat Patel	Patel	Patel	Patel
32	Anjali Rajesh Patil	Patil	Patil	Patil
33	Navdip Appaso Patil	Patil	Patil	Patil
35	Aarti Anil Pore	Pore	Pore	Pore
36	Shweta Sanjay Sawant	Sawant	Sawant	Sawant
38	Parth Shinde	Shinde	Shinde	Shinde
39	Srushti Sidram Shinde	Shinde	Shinde	Shinde
44	Sharad Adhikrao Yadav	Yadav	Yadav	Yadav
45	Akash Yenarwar	Yenarwar	Yenarwar	Yenarwar
47	Srushti Prashant Tade	Tade	Tade	Tade
48	Diplaee Lala Gondhale	Gondhale	Gondhale	Gondhale

Roll no	BECSE	Session I	Session II	Session III
5	Dinesh Manwani	Manwani	Manwani	Manwani
	Shruti Jadhav	Jadhav	Jadhav	Jadhav
6	Aarti S Masal	Masal	Masal	Masal
37	Suraj Shamrao Patil	Patil	Patil	Patil
39	Channappa Ishvar Biradar	Biradar	Biradar	Biradar



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

Department of Computer Science & Engineering

3 Days Workshop on "Data Science and Machine Learning using Python"

5th March 2020 TO 7th March 2020

FEEDBACK FORM

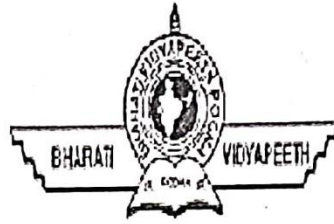
As part of a continuing improvement process, we request you to sincerely answer these questions under assurance of complete confidentiality.

Class : SY, TE

Name of the Guest :- Dr. Yamin Hakim, Vim Digitech Pune.

Parameter	A	B	C	D
Your perception of his/her knowledge	✓			
Communication skills	✓			
Sincerity/commitment	✓			
Stimulating interest in subject	✓			
Ability to make the subject relevant to profession and life	✓			
Eliciting feedback	✓			
Overall rating	✓			

A: Very Good, B: Good, C: Satisfactory, D: Unsatisfactory



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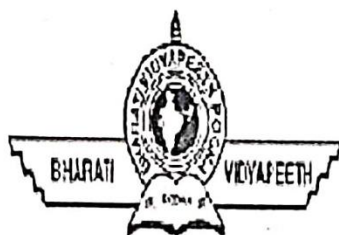
As part of a continuing improvement process, we request you to sincerely answer these questions under assurance of complete confidentiality.

Class : TE - CSE

Name of the Guest :- Dr. Yamin Hakim, Vim Digitech Pune.

Parameter	A	B	C	D
Your perception of his/her knowledge	✓			
Communication skills	✓			
Sincerity/commitment	✓			
Stimulating interest in subject	✓			
Ability to make the subject relevant to profession and life	✓			
Eliciting feedback	✓			
Overall rating	✓			

A: Very Good, B: Good, C: Satisfactory, D: Unsatisfactory



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FEEDBACK FORM

As part of a continuing improvement process, we request you to sincerely answer these questions under assurance of complete confidentiality.

Class : SECE.....

Name of the Guest :- Dr. Yamin Hakim, Vim Digitech Pune.

Parameter	A	B	C	D
Your perception of his/her knowledge	✓			
Communication skills	✓			
Sincerity/commitment	✓			
Stimulating interest in subject	✓			
Ability to make the subject relevant to profession and life	✓			
Eliciting feedback	✓			
Overall rating	✓			

A: Very Good, B: Good, C: Satisfactory, D: Unsatisfactory