

Date - 11/02/2022

To,  
The Principal,  
Tuljaram Chaturchand College,  
Baramati.

Subject - Permission for organizing five days hands-on workshop on "Machine Learning with Python" in BBA(C.A.) department under ED Cell or RUSA.

Respected Sir,

With reference to the above subject, I want to organize five days hands-on <sup>training</sup> workshop on "Machine Learning with Python" dated from Tuesday, 15<sup>th</sup> February 2022 to Saturday, 19<sup>th</sup> February 2022.

So, I request you to give permission for organizing it.

Thanking You.



Yours Faithfully,

*Sudha Patil*  
Mrs. Sudha Patil

BBA(C.A.) Department

*Recommended  
to organize  
hands on training program  
@ Cellar  
12/2/2022*

*Allowed*

*14.2.*



## Report of Five Days Hands-on Training on Machine Learning using Python

Date - 23/02/2022

BBA(C.A) Department,

To,  
The Principal,  
Tuljaram Chaturchand College,  
Baramati.

Subject: -Reporting of five days hands-on training program on "Machine Learning using Python" for TYBBA(CA) students under ED Cell.

Respected Sir,

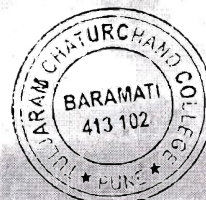
BBA(C.A.) Department has organized five days hands-on training program under ED cell on "Machine Learning using Python" for TYBBA (CA) students dated from 15/02/2022 to 19/02/2022 from 10.00 am to 5.00 pm.

The motto of this training program was to give practical insights about Machine Learning Modules to the students and to discuss how they can start their high-flying careers in Machine Learning Development.

Mr. Prajyot Patil, Founder of AIS Solutions Pvt. Ltd. Pune, was invited for conducting the training program for 40 students of TYBBA(C.A). The main emphasis of this training program is to provide practical hands-on training of various Machine Learning Modules Development & to give valuable knowledge & skills by doing instead of watching. The training was conducted in two sessions every day.

On the first day of training, he explained Anaconda Installation, Concepts in Python programming like Variables, Data Types, Operators, Looping & Conditional Statements, Functions.

On the second day of training, he explained the Libraries in Python like Numpy, Pandas & Matplotlib & also conducted practical based on these libraries.





On the third & fourth day of training, he provided hands-on training on various types of Machine Learning Models.

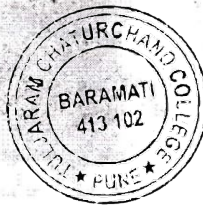
On the fifth day, the hands-on training on OpenCV and image processing application development was taken.

The students enjoyed the training and learned Machine Learning practicals rather than learning it theoretically. The students were enthusiastically asked questions & their doubts which were answered & cleared by Mr. Prajyot Patil. The beneficiaries of this training have learned about tools to train machines based on real-world situations using Machine Learning algorithms and prepare them to create applications efficiently.

The beneficiaries developed their own Machine Learning Modules like Forest Fire Prediction, Face Detection, Heart Disease Prediction, Mask Detection, Iris Flower Detection, Music Generic Classification.

The training was coordinated with the support of the Principal & Faculties. The workshop ended with a pleasant note with both students & faculty getting benefited by invitee's rich experience & knowledge.

Thanking you,



Yours Faithfully,

*[Signature]*  
H.O.D.

BBA(C.A) Department

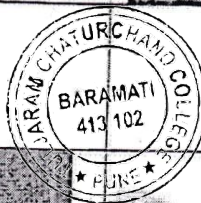
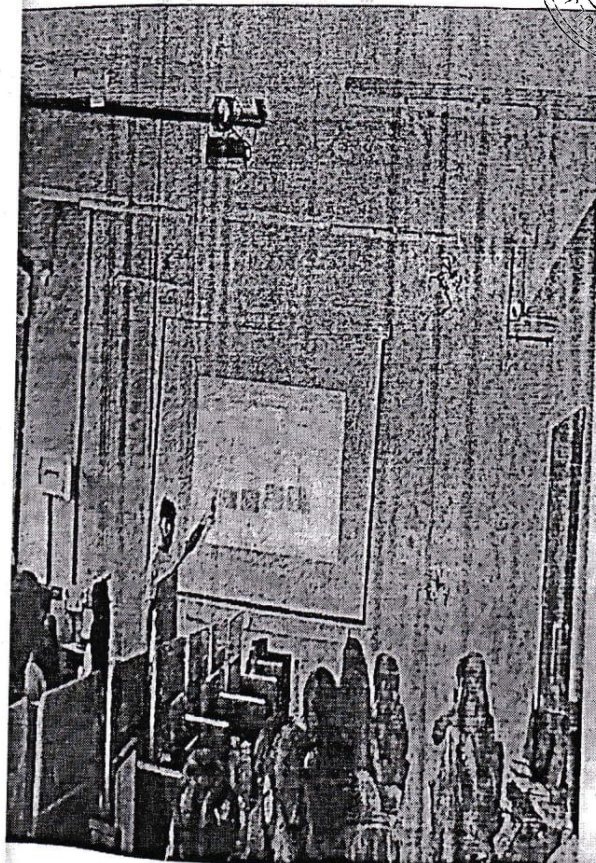


# Photographs of Machine Learning using Python training program

First Day



Second Day



Third Day

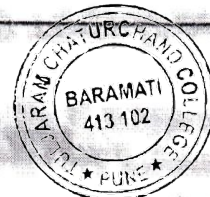




Associate Education Society's  
**Tuljaram Chaturchand College**  
 of Arts, Science and Commerce, Baramati.  
 Department of BBA (Computer Application)  
 Schedule of Machine Learning using Python training program

Session I: 10am to 1pm  
 Session II: 2pm to 5pm

Date	Session	Topics
5/02/2022	I	<ul style="list-style-type: none"> <li>• Introduction to Python</li> <li>• Variables &amp; Data Types</li> <li>• Operators</li> </ul>
	II	Lunch Break <ul style="list-style-type: none"> <li>• Looping Statements</li> <li>• Conditional Statements</li> <li>• Functions</li> </ul>
6/02/2022	I	<ul style="list-style-type: none"> <li>• Numpy Library</li> <li>• Pandas Library</li> </ul>
	II	Lunch Break <ul style="list-style-type: none"> <li>• Matplotlib Library</li> </ul>
7/02/2022	I	<b>Introduction to Machine Learning</b> <ul style="list-style-type: none"> <li>• Application of Machine learning</li> <li>• Why machine learning is the future?</li> <li>• Installing Python, Anaconda(Mac, Linux, Windows)</li> </ul>
	II	Lunch Break <b>Data Understanding and pre-processing</b> <ul style="list-style-type: none"> <li>• Selection Dependent Variable</li> <li>• Select Appropriate Algorithm</li> <li>• DataFrame Manipulation</li> <li>• Missing Data Handling</li> <li>• Categorical data</li> </ul>
8/02/2022	I	<ul style="list-style-type: none"> <li>• Label Encoding or One Hot Encoding Technique</li> <li>• Train Test Validation Technique</li> </ul>
	II	Lunch Break <ul style="list-style-type: none"> <li>• Simple Linear Regression.</li> <li>• Multiple Linear Regression</li> <li>• K-NN regression</li> <li>• Decision</li> <li>• Random Forest</li> </ul>
9/02/2022	I	<ul style="list-style-type: none"> <li>• Image Processing using OpenCV</li> </ul>
	II	Lunch Break <ul style="list-style-type: none"> <li>• Image Processing using OpenCV</li> </ul>







Ancient Education Society's

**Tuljaram Chaturchand College  
of Arts, Science and Commerce, Baramati.  
(Autonomous)**

**Department of BBA(Computer Application)**

**Organizes**

**Five Days Hands-on Training  
on**

**“Machine Learning using Python”**

**Under the Aegis of ED Cell**

**Date: 15<sup>th</sup> to 19<sup>th</sup> February 2022**

**Time: 10.00 to 5.00pm**

**Resource Person**

**Mr. Prajyot Patil**

**Founder, AIS Solutions Pvt. Ltd., Pune**

**Ms. R.S. Babar**  
Organizing  
Committee

**Mrs. S.P. Patil**  
Convener  
Head, BBA(C.A) Dept.

**Dr. V.C. Kakade**  
Coordinator  
ED Cell

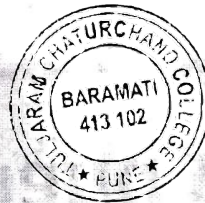
**Dr. C.V. Murumkar**  
Chairman  
Principal,  
T. C. College, Baramati





## Remuneration Details

No.	Name of the resource person	Designation	Affiliation	Bank A/C details	Remuneration (Rs)
	Mr. Prajyot Patil	Founder of AIS Solutions Pvt. Ltd. Pune.	ED Cell	Mr. Prajyot Patil HDFC Bank A/C No- 50200033176759 IFSC Code- HDFC0003649	60,000/-
	Mrs. Rupali S. Babar	Assistant Professor	ED Cell	Mrs. Rupali S. Babar Axis Bank A/C No- 918010091380448	2,500/-
Total					62,500/-





PERFORMA FOR APPLICATION FOR ORGANIZATION OF WEBINAR

1. Name of the department: BBA(Computer Application)
2. Activity : Webinar
3. Geographical Coverage : Departmental Level
4. Title of webinar : Machine Learning with Python
5. Date(s) : From 15 Feb 2022 to 19 Feb 2022  
Total number of days : Five
6. Name & designation of Convener/Organizing Secretary:  
Mrs. R.S.Babar, Assistant professor, Organizing Secretary  
Mrs.S.P. Patil, HOD, Convener,  
Dr. C.V Murumkar, Chairman
7. Details of Resource Person (Name, Designation, Institute, etc)  
Mr. Prajyot Patil  
Founder of AIS Solutions Pvt. Ltd, Pune.

Broad Details of Estimated Expenditure(In Rs.) for  
Which Financial Assistance is sought:

- A. Honorarium for Resource Persons: Rs. 1500/- per students X 40 = 60000 *OK*
- B. Local Hospitality : 2500
- C. TOTAL : Rs 62,500 *OK*

*SBabar*  
Convener/Organizing Secretary

*[Signature]*  
Head of the Department





	Student Name	15/02/2022		16/02/2022		17/02/2022		18/02/2022		19/02/2022	
		S-1	S-2	S-1	S-2	S-1	S-2	S-1	S-2	S-1	S-2
13111	GIRAMKAR TANUJA	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13114	RAJPURE VRUSHALI	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13115	BAWANE AARTI	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13118	KHADKE PRAJAKTA	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13119	KALOKHE RAJ M	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13120	KAMBLE ASAWARI	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13121	LONDHE NEHA	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13123	BHAGWAT MANASI	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13124	KAMBALE SNEHAL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13125	FULE PRATIK	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13127	AGARWAL RAJAT	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13130	SHEDAGE POOJA	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13131	JADHAV SHWETA	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13132	LONKAR MAYUR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13133	MULIK HEMLATA	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13134	BANKAR TEJAS	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13135	SONAVANE RUPALI	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13136	MANE GAURAV	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13138	MOHITE NIKHIL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13140	SAYYAD RAHIL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13141	BHAGWAT TUSHAR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13144	GANDHI YASH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13147	DESAI SAMMED	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13148	CHAVAN SAKSHI	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13149	NARUTE SHUBHANGI	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13151	RAI RAKSHA	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13154	JAMBE MADHAVI	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13155	GADE ABHISHEK	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13160	KAMBLE KSHITIJ	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13163	KOKANE VISHAL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13164	MARKAD ATUL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13168	PAWAR SACHIN	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13169	MANDHARE SIDDHI	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13170	DHALE NIKITA	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13171	SUTAR YUVRAJ	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13173	DHEMBARE SANDHYA	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13174	MODI VASIM	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13180	FANAWARE PRAJAKTA	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13181	KALE AKSHAY	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13185	Mehata Yash	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present



# Certificate

Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati

This Certificate is presented to

For completing the Five Days Workshop of Machine Learning Using Python held on 15th of february 2022 to 19th of february 2022 jointly Organized by Department of BBA (C.A) and ED Cell, in collaboration with AIS Solutions Pvt Ltd, Pune..

Dr. V.C. Kakade  
Co-ordinator, ED Cell

Mrs. S.P. Patil  
HOD BBA (C.A)

Dr. C.V. Murumkar  
Principal

Mr. Prajyot Patil  
Founder & CEO



Student Full Name:	How did you	Skill and respon:	Skill and respons	Skill and respons
Lonkar Mayur Deepak	Very good	Agree	Agree	Agree
Dhembare Sandhya Jagannath	Excellent	Strongly agree	Strongly agree	Agree
KAMBLE KSHITIJ BANAJI	Very good	Strongly agree	Strongly agree	Agree
SAYYAD RAHIL JILANI	Excellent	Agree	Agree	Agree
Mohite Nikhil Mahadeo	Excellent	Agree	Agree	Agree
Vrushali Vasant Rajpure	Excellent	Strongly agree	Agree	Strongly agree
Pratik vitthal fuke	Very good	Agree	Strongly agree	Strongly agree
Jambe Madhavi Shivaji	Very good	Neutral	Neutral	Neutral
Markad Atul Namdev	Very good	Agree	Agree	Agree
Neha Prakash Londhe	Excellent	Strongly agree	Agree	Strongly agree
MANDHARE SIDDHI SURESH	Excellent	Strongly agree	Strongly agree	Strongly agree
Giramkar Tanuja Santosh	Excellent	Strongly agree	Agree	Strongly agree
Dhale Nikita Vinay	Very good	Agree	Strongly agree	Strongly agree
AGARWAL RAJAT MANOJ	Excellent	Strongly agree	Strongly agree	Strongly agree
Ranaware Prajakta Ranjit	Excellent	Strongly agree	Strongly agree	Strongly agree
GADE ABHISHEK GANPAT	Excellent	Strongly agree	Strongly agree	Strongly agree
SUTAR YUVRAJ VILAS	Excellent	Strongly agree	Strongly agree	Strongly agree
Shedage pooja Rajendra	Excellent	Strongly agree	Strongly agree	Strongly agree
KAMBLE ASAWARI AJIT	Excellent	Strongly agree	Strongly agree	Strongly agree
Jadhav Shweta Subhash	Excellent	Strongly agree	Strongly agree	Strongly agree
CHAVAN SAKSHI UDAY	Excellent	Strongly agree	Strongly agree	Strongly agree
Shubhangi Sampat Narute	Excellent	Strongly agree	Strongly agree	Strongly agree
Gandhi Yash Vijaykumar	Excellent	Strongly agree	Strongly agree	Strongly agree
BHAGWAT MANASI PRASAD	Excellent	Strongly agree	Strongly agree	Strongly agree
KAMBLE SNEHAL MAHADEV	Excellent	Strongly agree	Strongly agree	Strongly agree
HEMALATA KISAN MULIK	Satisfactory	Strongly agree	Strongly agree	Strongly agree
Prajakta Umakant Khadake	Satisfactory	Strongly agree	Strongly agree	Strongly agree
Raj Mahadeo Kalokhe	Very good	Strongly agree	Strongly agree	Strongly agree





Course :Machine Learning using Python

Date :

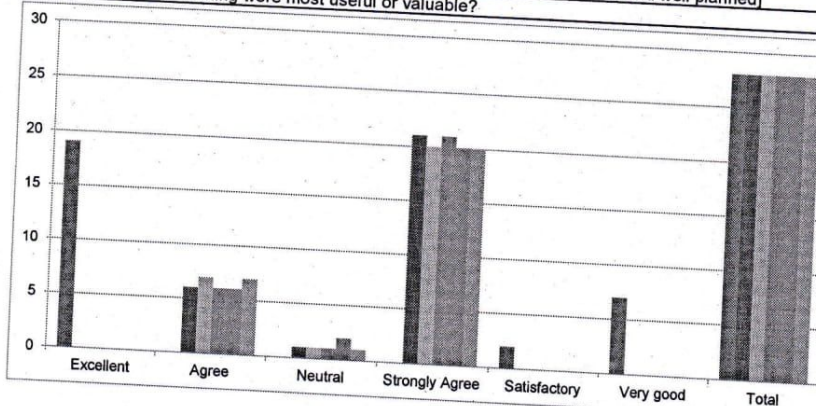
Place:

### Feed back Analysis

Total participants

28

Question	Excellent	Agree	Neutral	Strongly Agree	Satisfactory	Very good	Total
How did you rate the Expertise of the Instructor? [Level of skill/knowledge]	19						28
Skill and responsiveness of the instructor [Instructor was an effective demonstrator]		6	1	21		2	28
Skill and responsiveness of the instructor [Presentations were clear and organized]		7	1	20			28
Skill and responsiveness of the instructor [Instructor stimulated student interest]		6	1	21			28
How did you find the content of the Training? [Learning objectives were clear]		6	2	20			28
How did you find the content of the Training? [Training content was organized and well planned]		7	1	20			28
What aspects of this training were most useful or valuable?							28



- How did you rate the Expertise of the Instructor? [Level of skill/knowledge]
- Skill and responsiveness of the instructor [Instructor was an effective demonstrator]
- Skill and responsiveness of the instructor [Presentations were clear and organized]
- Skill and responsiveness of the instructor [Instructor stimulated student interest]
- How did you find the content of the Training? [Learning objectives were clear]
- How did you find the content of the Training? [Training content was organized and well planned]

