

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

Date – 18/01/2023

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 SY, TYBBA (C.A) students under RUSA.

Respected Sir,

BBA(C.A.) Department has organized five days hands-on training program under RUSA on “Machine Learning using Python” for SY, TYBBA (C.A) students dated from 9/01/2023 to 13/01/2023 from 10.00 am to 5.00 pm.

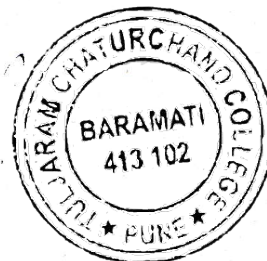
The motto of this training program was to give practical insights about Machine Learning Modules to the students and to discuss how they can start their high-flying careers in Machine Learning Development.

Mr. Prajyot Patil, Founder of AIS Solutions Pvt. Ltd. Pune, was invited for conducting the training program for 45 students of SY, 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 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.

*Under P. Patil*  
*P. Patil*



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

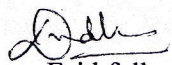
On the fifth day, concepts of Neural Networks was taken.

The students enjoyed the training and learned Machine Learning practical 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 training was coordinated with the support of the Principal & Faculties. The workshop ended with a pleasant note with both students & faculty.

Thanking you,

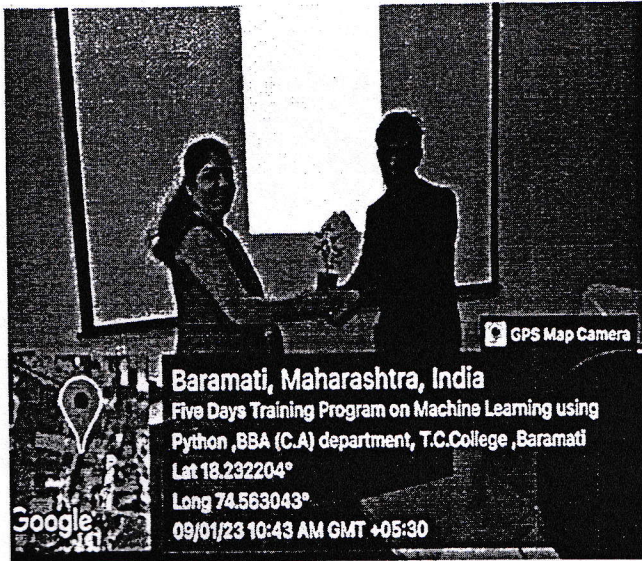


  
Yours Faithfully,

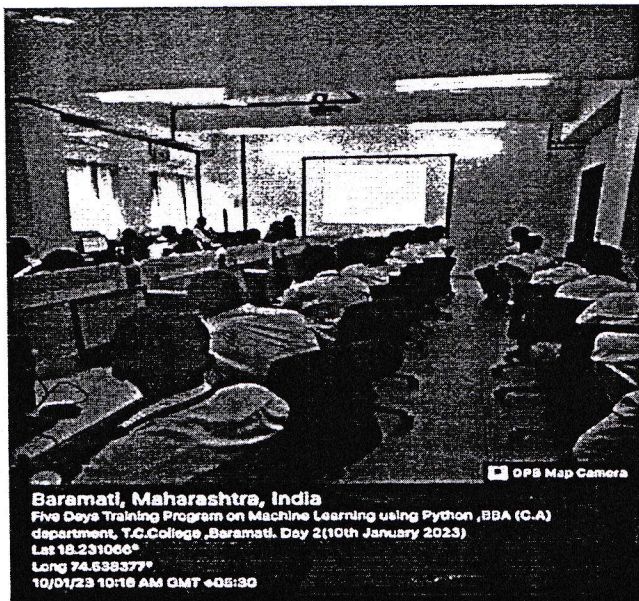
H.O.D. BBA(C.A)



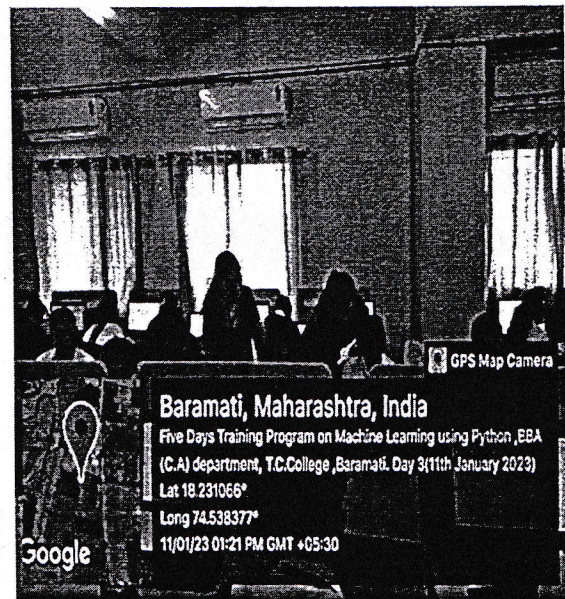
First Day



Second Day

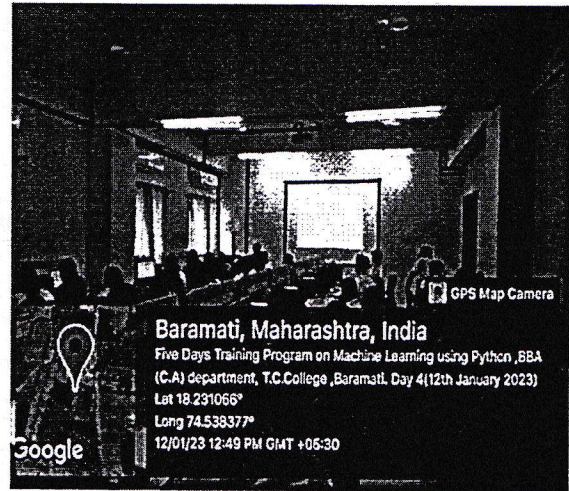
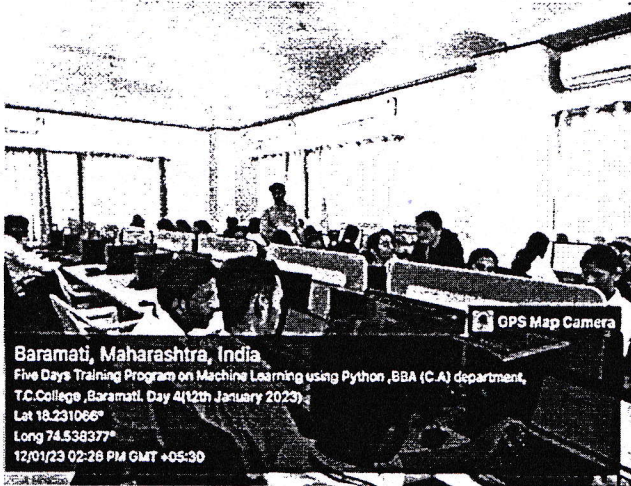


Third Day





## Fourth Day



## Fifth Day





**Resource Person Details:**

Sr.No	Name of the Resource Person	Designation	Bank Account Details	Renumeration
01	Mr.Prajyot Sagar Patil	CEO,AISolutions PVT LTD	Bank of India AccNo:091810110009503 IFSC: BKID0000918	67500

**Invoices for expenditure:**

Sr.No	Name of Person	Renumeration Amount
01	Mr.Prajyot Patil	67500/-
02	Mrs.S.P.Patil	1000/-
03	Mrs.M.R.Saste	1500/-
	Total	70000/-







**AIS SOLUTIONS PVT LTD**

Office 2, Kudale Patil Palace, Manikbaug, Pune-411051

College Name: T.C College, Baramati.  
Department BBA (C.A.)  
Pan No: CVQPP5837B

Invoice No : 012023  
Course Name: Machine Learning  
Date : 9th-13th jan 23

Payment Date	Description	Payment	Total
16-01-2023	Machine Learning Workkshop	45 * 1500	67500

TOTAL PAID  
DUE  
TOTAL

0.00  
67,500.00  
67,500.00

Name: Prajyot Sagar Patil  
Acc No.: 091810110009503  
IFSC BKID0000918

*[Signature]*  
Authority Sign.

THANK YOU FOR YOUR BUSINESS!  
Note: Kindly check Invoice before accepting .







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IFSC BKID0000918

*[Signature]*  
Authority Sign.

THANK YOU FOR YOUR BUSINESS!  
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Anekant Education Society's

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

**Department of BBA(Computer Application)**

Organizes

**Five Days Hands-on Training Program**

on

**“Machine Learning using Python”**

**Under the Aegis of RUSA/ED Cell**

**Date: 9<sup>th</sup> January 2023 to 13<sup>th</sup> January 2023.**

**Time:10.00 am to 5.00 pm**

**Resource Person**

**Mr. Prajyot Patil**

**Founder,**

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



**Ms.M.R.Saste**  
Organizing  
Committee

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

**Dr.R.T.Sapkal**  
Coordinator  
RUSA

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

## Schedule

Session I :10.00 am to 1.00 pm

Session I :2.00 pm to 5.00pm

Date	Session	Topic
9/1/2023	I	<ul style="list-style-type: none"> <li>• Introduction to Python</li> <li>• Variables and Data Types</li> <li>• Operators</li> </ul>
	<b>Lunch Break</b>	
	II	<ul style="list-style-type: none"> <li>• Looping Statements</li> <li>• Conditional Statements</li> <li>• Functions</li> </ul>
10/1/2023	I	<ul style="list-style-type: none"> <li>• Numpy Library</li> <li>• Pandas Library</li> </ul>
	<b>Lunch Break</b>	
	II	<ul style="list-style-type: none"> <li>• Matplotlib Library</li> </ul>
11/1/2023	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>
	<b>Lunch Break</b>	
	II	<b>Data Understanding and Pre-processing</b> <ul style="list-style-type: none"> <li>• Selection Dependent Variables</li> <li>• Select Appropriate Algorithm</li> <li>• Data Frame Manipulation</li> <li>• Missing Data Handling</li> <li>• Categorical Data</li> </ul>
12/1/2023	I	<ul style="list-style-type: none"> <li>• Label Encoding or One Hot Encoding Technique</li> <li>• Train Test Validation Technique</li> </ul>
	<b>Lunch Break</b>	
	II	<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>
13/1/2023	I	<ul style="list-style-type: none"> <li>• Image Processing using OpenCV</li> </ul>
	<b>Lunch Break</b>	
	II	<ul style="list-style-type: none"> <li>• Image Processing using OpenCV</li> </ul>





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

## Department of BBA (Computer Application)

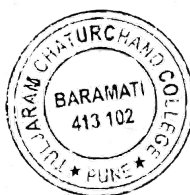
Name of Program: Five Days Hands on Training Program on "Machine Learning using Python"

Date: 9/1/2023 to 13/1/2023

Time 10.00 am to 5.00pm

## Feedback Form

Sr.No.	Questionnaire	Excellent	Very Good	Good	Average	Poor
1	How did you rate the Expertise of the Instructor? [Level of skill/knowledge ]	✓				
2	Skill and responsiveness of the instructor [Presentations were clear and organized]	✓				
3	Skill and responsiveness of the instructor [Instructor stimulated student interest]	✓				
4	How did you find the content of the Training? [Learning objectives were clear]	✓				
5	How did you find the content of the Training? [Training content was organized and well planned]	✓				
6	What aspects of this training were most useful or valuable?	This workshop changed my vision towards Machine Learning. & guided me to better carrier & improved my knowledge in Machine Learning & DA.				
7	Any Suggestions/Comments:					

Name of Student: Sambrekar Utkarsh RajuClass: T.Y BBA(CA)Roll No: 13165Sign: RSambrekar

Date:

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

## Department of BBA (Computer Application)

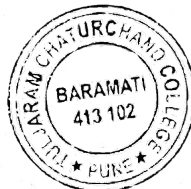
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3	Skill and responsiveness of the instructor [Instructor stimulated student interest]		✓			
4	How did you find the content of the Training? [Learning objectives were clear]	✓				
5	How did you find the content of the Training? [Training content was organized and well planned]	✓				
6	What aspects of this training were most useful or valuable?	It is very useful training for my carrier.				
7	Any Suggestions/Comments:	-				

Name of Student: Parkale SourabhClass: TYBCARoll No: 15111Sign: (S) ParkaleDate: 13/01/2023

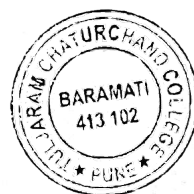


**Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati.(Autonomous)****Department of BBA (Computer Application)****Name of Program:** Five Days Hands on Training Program on "Machine Learning using Python"**Date:** 9/1/2023 to 13/1/2023

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3	Skill and responsiveness of the instructor [Instructor stimulated student interest]	✓				
4	How did you find the content of the Training? [Learning objectives were clear]	✓				
5	How did you find the content of the Training? [Training content was organized and well planned]	✓				
6	What aspects of this training were most useful or valuable?	Neural Network				
7	Any Suggestions/Comments:	This is very precious course for us.				

Name of Student: Dange Suyash PrabhakarClass: SYBBA (C.A)Roll No: 17907Sign: Dange

Date:

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

**Department of BBA (Computer Application)**

**Name of Program:** Five Days Hands on Training Program on "Machine Learning using Python"

**Date:** 9/1/2023 to 13/1/2023

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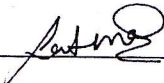
**Feedback Form**

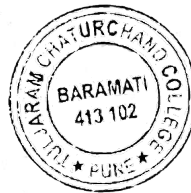
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3	Skill and responsiveness of the instructor [Instructor stimulated student interest]		✓			
4	How did you find the content of the Training? [Learning objectives were clear]			✓		
5	How did you find the content of the Training? [Training content was organized and well planned]		✓			
6	What aspects of this training were most useful or valuable?	Real life, application based knowledge & advices				
7	Any Suggestions/Comments:					

Name of Student: Fatema. Baramatiwala.

Class: S.Y.BBA (CA)

Roll No: 13057

Sign: 



Date: 13/1/22





# Certificate

Anekant Education Society's  
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati.

This Certificate is presented to

**Mr./Ms.**

For completing the Five day's Workshop on Machine Learning Using Python held on 9th January 2023 to 13th January 2023 jointly organized by Department of BBA(C.A.) under RUSA, in collaboration with AIS Solutions Pvt Ltd, Pune.

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

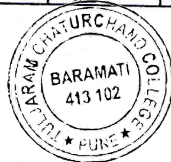
Dr. R.T. Sapkal  
Co-ordinator, RUSA

Dr. C.V.Murumkar  
Principal

Mr. Prajyot Patil  
Founder & CEO



Roll No.	Student Name	09-01-23		10-01-23		11-01-23		12-01-23		13-01-23	
		S-1	S-2	S-1	S-2	S-1	S-2	S-1	S-2	S-1	S-2
13032	POKAR VAISHNAVI	Pokar	Pokar	Pokar	Pokar	Pokar	Pokar	Pokar	Pokar	Pokar	Pokar
13039	LONDHE ROHAN	Rohan.L	Rohan.L	Rohan.L	Rohan.L	Rohan.L	Rohan.L	Rohan.L	Rohan.L	Rohan.L	Rohan.L
13043	TAWARE TEJAS	Taware	Taware	Taware	Taware	Taware	Taware	Taware	Taware	Taware	Taware
13047	BHUKAN PRASHANT	Prashant	Prashant	Prashant	Prashant	Prashant	Prashant	Prashant	Prashant	Prashant	Prashant
13057	BARAMATI WALA FATEMA	Fatema	Fatema	Fatema	Fatema	Fatema	Fatema	Fatema	Fatema	Fatema	Fatema
13063	PISAL NANA	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.
13090	MUJAWAR AYESHA	Ayasha	Ayasha	Ayasha	Ayasha	Ayasha	Ayasha	Ayasha	Ayasha	Ayasha	Ayasha
13058	ZENDGE YASH	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash
17907	DANGE SUYASH	Suyash	Suyash	Suyash	Suyash	Suyash	Suyash	Suyash	Suyash	Suyash	Suyash
17906	JAGTAP OMKAR	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar
13048	SHAHANE MANSI	Mansi	Mansi	Mansi	Mansi	Mansi	Mansi	Mansi	Mansi	Mansi	Mansi
13051	KURUMKAR HARSHADA	Harshada	Harshada	Harshada	Harshada	Harshada	Harshada	Harshada	Harshada	Harshada	Harshada
13081	LAGAD SHRUTI	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
13049	CHOUHARI PRATHAMESH	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh
13084	BHOSALE SANSRUTI	Sansruti	Sansruti	Sansruti	Sansruti	Sansruti	Sansruti	Sansruti	Sansruti	Sansruti	Sansruti
13017	GAOSAVI PRITI	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti
13111	PARKALE SAURABH	Saurabh	Saurabh	Saurabh	Saurabh	Saurabh	Saurabh	Saurabh	Saurabh	Saurabh	Saurabh
13112	PAWAR SHANTANU	Shantanu	Shantanu	Shantanu	Shantanu	Shantanu	Shantanu	Shantanu	Shantanu	Shantanu	Shantanu
13113	KOKARE RUSHIKESH	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh
13115	WAGHMARE ANUSHKA	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka
13116	DHAVAL DNYANESHWARI	Dnyaneshwari	Dnyaneshwari	Dnyaneshwari	Dnyaneshwari	Dnyaneshwari	Dnyaneshwari	Dnyaneshwari	Dnyaneshwari	Dnyaneshwari	Dnyaneshwari
13117	MORE RAJESHWARI	Rajeshwari	Rajeshwari	Rajeshwari	Rajeshwari	Rajeshwari	Rajeshwari	Rajeshwari	Rajeshwari	Rajeshwari	Rajeshwari
13118	RAJPURE SANIKA	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika
13119	SAPKAL SAYALI	Sayali	Sayali	Sayali	Sayali	Sayali	Sayali	Sayali	Sayali	Sayali	Sayali
13120	RASAL ANIKET	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket
13121	JAWALE ANUSHKA	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka
13123	NALE RUTUJA	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja
13124	GAIKWAD YOGITA	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita
13126	KAPASE SWAPNALI	Swapnali	Swapnali	Swapnali	Swapnali	Swapnali	Swapnali	Swapnali	Swapnali	Swapnali	Swapnali
13127	GARALE ROHINI	Rohini	Rohini	Rohini	Rohini	Rohini	Rohini	Rohini	Rohini	Rohini	Rohini
13128	KHARAT DIPAK	Dipak	Dipak	Dipak	Dipak	Dipak	Dipak	Dipak	Dipak	Dipak	Dipak
13131	KALE SAKSHI	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
13134	DANGAT PRATIK	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik
13138	GADADE TUSHAR	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar
13141	ZADKAR TRUPTI	Trupti	Trupti	Trupti	Trupti	Trupti	Trupti	Trupti	Trupti	Trupti	Trupti
13148	MANE AKSHAY	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay
13149	BORATE YOGESH	Yogesh	Yogesh	Yogesh	Yogesh	Yogesh	Yogesh	Yogesh	Yogesh	Yogesh	Yogesh
13153	LAVAND CHITRALEKHA	Chitralekha	Chitralekha	Chitralekha	Chitralekha	Chitralekha	Chitralekha	Chitralekha	Chitralekha	Chitralekha	Chitralekha
13154	PHADTARE ARYAN	Aryan	Aryan	Aryan	Aryan	Aryan	Aryan	Aryan	Aryan	Aryan	Aryan
13160	TARANGE RUSHIKESH	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh
13162	MANE ARJUN ANIL	Arjun Anil	Arjun Anil	Arjun Anil	Arjun Anil	Arjun Anil	Arjun Anil	Arjun Anil	Arjun Anil	Arjun Anil	Arjun Anil
13165	SAMBREKAR UTKARSH	Utkarsh	Utkarsh	Utkarsh	Utkarsh	Utkarsh	Utkarsh	Utkarsh	Utkarsh	Utkarsh	Utkarsh
13171	GHADAGE PRANALI	Pranali	Pranali	Pranali	Pranali	Pranali	Pranali	Pranali	Pranali	Pranali	Pranali
13169	DESHMUKH SURAJ	Suraj	Suraj	Suraj	Suraj	Suraj	Suraj	Suraj	Suraj	Suraj	Suraj
13182	GOPHANE PRANOTI	Pranoti	Pranoti	Pranoti	Pranoti	Pranoti	Pranoti	Pranoti	Pranoti	Pranoti	Pranoti





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

**Payment Voucher**

**Date: 11/01/2023**

Name :- Prajyot Sagar Patil

Address:- AISolutions Pvt Ltd.

Head of Exps on account of:-

Particulars of Payment	Honorarium	TA	Total
5 days hands on workshop on Machine Learning using python Date 09-1-2023 to 13-01-2023	67500	-	67500
			67500

Rupees in Words:

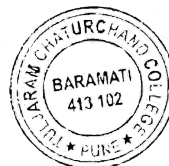
Name of Payee:-	Mr. Prajyot Sagar Patil
Name of Bank	Bank of India
Account No.	091810110009503
Branch Name	Kurundwad.
SC Code	BKID0000918

For Account Use Only

Checked & Found Correct recommended for Payment

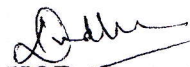
Account Clerk

Office Superitendant



Registrar

Allowed & Pay/ Not Pay

  
HOD

Department of - (BBA CC-A)

Principal

Received with thanks from The Principal. Tuljaram Chaturchand College, Baramati

Signature  
