

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

(Autonomous)

Department of BBA (Computer Application)

A

Report on

Five Days Hands on Training on

“Machine Learning using Python”

Under the aegis of RUSA

Date: 15th February, 2022 to 19th February, 2022

Time: 10:00 am to 5:00 pm

Resource Person:

Mr. Prajyot Patil

Founder of AIS Solutions, Pvt. Ltd. Pune.

No of Beneficiaries: 40

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 ^{training} ~~workshop~~ on "**Machine Learning with Python**" dated from Tuesday, 15th February 2022 to Saturday, 19th 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
D. Kulkarni
12/2/2022*

Allowed

[Signature]
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.

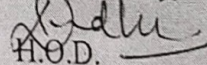
The students enjoyed the training and learned Machine Learning practicals rather than learning it theoretically. The students were enthusiastically asked questions & their doubts which were answered & cleared by Mr. Prajyot Patil. The beneficiaries of this training have learned about tools to train machines 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,

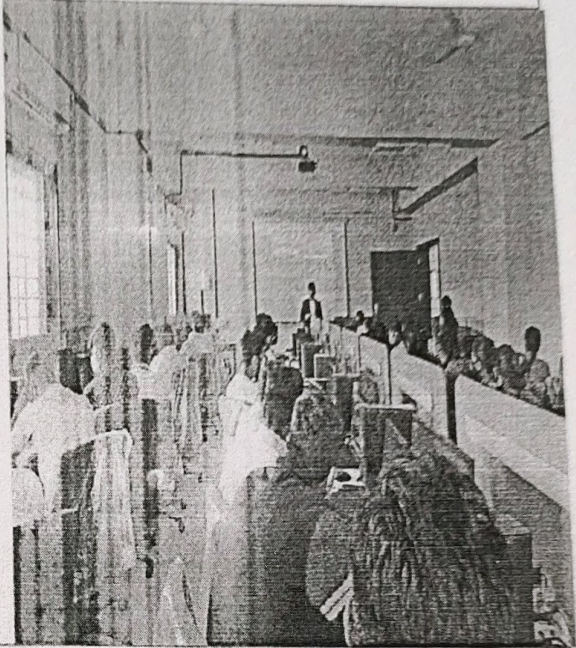
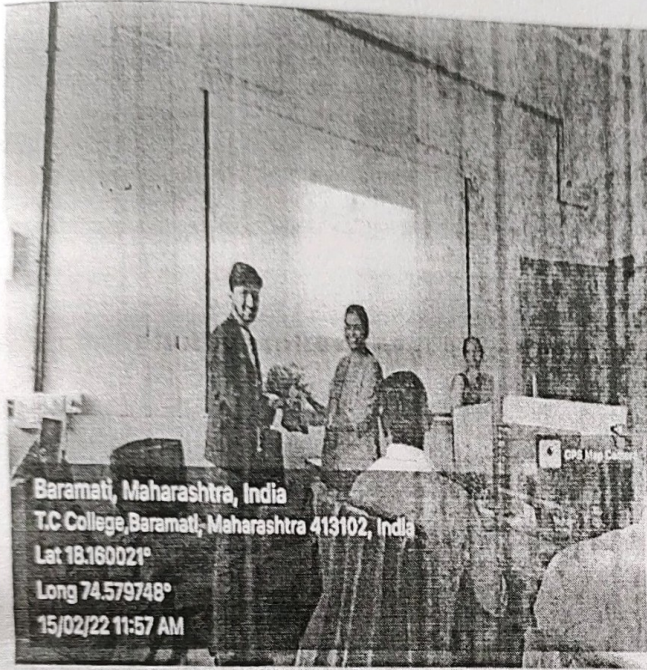
Yours Faithfully,


H.O.D.

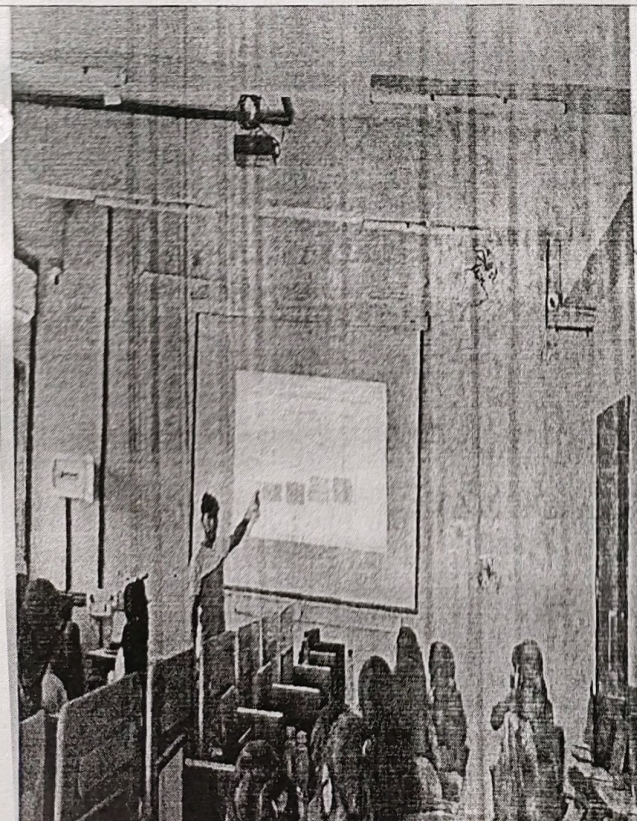
BBA(C.A) Department

Photographs of Machine Learning using Python training program

First Day



Second Day



Third Day



Anekant 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
15/02/2022	I	<ul style="list-style-type: none"> • Introduction to Python • Variables & Data Types • Operators
	Lunch Break	
	II	<ul style="list-style-type: none"> • Looping Statements • Conditional Statements • Functions
16/02/2022	I	<ul style="list-style-type: none"> • Numpy Library • Pandas Library
	Lunch Break	
	II	<ul style="list-style-type: none"> • Matplotlib Library
17/02/2022	I	Introduction to Machine Learning <ul style="list-style-type: none"> • Application of Machine learning • Why machine learning is the future? • Installing Python, Anaconda(Mac, Linux, Windows)
	Lunch Break	
	II	Data Understanding and pre-processing <ul style="list-style-type: none"> • Selection Dependent Variable • Select Appropriate Algorithm • DataFrame Manipulation • Missing Data Handling • Categorical data
18/02/2022	I	<ul style="list-style-type: none"> • Label Encoding or One Hot Encoding Technique • Train Test Validation Technique
	Lunch Break	
	II	<ul style="list-style-type: none"> • Simple Linear Regression. • Multiple Linear Regression • K-NN regression • Decision • Random Forest
19/02/2022	I	<ul style="list-style-type: none"> • Image Processing using OpenCV
	Lunch Break	
	II	<ul style="list-style-type: none"> • Image Processing using OpenCV



Anant 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:15th to 19th 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

Sr. No.	Name of the resource person	Designation	Affiliation	Bank A/C details	Remuneration (Rs)
1	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/-
2	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 0

B. Local Hospitality : 2500

C. TOTAL : Rs 62,500 0

Babar

Convener/Organizing Secretary

Patil

Head of the Department

Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati.
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Department of BBA(Computer Application) CLASS :-TYBBA(C.A)

Sub:- Machine Learning using Python Training(Attendance) Time-S1:10am-1pm & S2:2pm-5pm

Sl. No.	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	Tanju	Tanju	Tanju	Tanju	Tanju	Tanju	Tanju	Tanju	Tanju	Tanju
13114	RAJPURE VRUSHALI	Vrush	Vrush	Vrush	Vrush	Vrush	Vrush	Vrush	Vrush	Vrush	Vrush
13115	BAWANE AARTI	Aarti	Aarti	Aarti	Aarti	Aarti	Aarti	Aarti	Aarti	Aarti	Aarti
13118	KHADKE PRAJAKTA	Prajak	Prajak	Prajak	Prajak	Prajak	Prajak	Prajak	Prajak	Prajak	Prajak
13119	KALOKHE RAJ M.	Rajm	Rajm	Rajm	Rajm	Rajm	Rajm	Rajm	Rajm	Rajm	Rajm
13120	KAMBLE ASAWARI	Asawa	Asawa	Asawa	Asawa	Asawa	Asawa	Asawa	Asawa	Asawa	Asawa
13121	LONDHE NEHA	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha
13123	BHAGWAT MANASI	Manas	Manas	Manas	Manas	Manas	Manas	Manas	Manas	Manas	Manas
13124	KAMBALE SNEHAL	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha
13125	FUKE PRATIK	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik
13127	AGARWAL RAJAT	Rajat	Rajat	Rajat	Rajat	Rajat	Rajat	Rajat	Rajat	Rajat	Rajat
13130	SHEDAGE POOJA	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja
13131	JADHAV SHWETA	Shweta	Shweta	Shweta	Shweta	Shweta	Shweta	Shweta	Shweta	Shweta	Shweta
13132	LONKAR MAYUR	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur
13133	MULIK HEMLATA	Hemla	Hemla	Hemla	Hemla	Hemla	Hemla	Hemla	Hemla	Hemla	Hemla
13134	BANKAR TEJAS	Tejas	Tejas	Tejas	Tejas	Tejas	Tejas	Tejas	Tejas	Tejas	Tejas
13135	SONAVANE RUPALI	Rupali	Rupali	Rupali	Rupali	Rupali	Rupali	Rupali	Rupali	Rupali	Rupali
13136	MANE GAURAV	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav
13138	MOHITE NIKHIL	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil
13140	SAYYAD RAHIL	Rahil	Rahil	Rahil	Rahil	Rahil	Rahil	Rahil	Rahil	Rahil	Rahil
13141	BHAGWAT TUSHAR	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar
13144	GANDHI YASH	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash
13147	DESAI SAMMED	Sammed	Sammed	Sammed	Sammed	Sammed	Sammed	Sammed	Sammed	Sammed	Sammed
13148	CHAVAN SAKSHI	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
13149	NARUTE SHUBHANGI	Shubha	Shubha	Shubha	Shubha	Shubha	Shubha	Shubha	Shubha	Shubha	Shubha
13151	RAI RAKSHA	Raksha	Raksha	Raksha	Raksha	Raksha	Raksha	Raksha	Raksha	Raksha	Raksha
13154	JAMBE MADHAVI	Madhavi	Madhavi	Madhavi	Madhavi	Madhavi	Madhavi	Madhavi	Madhavi	Madhavi	Madhavi
13155	GADE ABHISHEK	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
13160	KAMBLE KSHITIJ	Kshitij	Kshitij	Kshitij	Kshitij	Kshitij	Kshitij	Kshitij	Kshitij	Kshitij	Kshitij
13163	KOKANE VISHAL	Vishal	Vishal	Vishal	Vishal	Vishal	Vishal	Vishal	Vishal	Vishal	Vishal
13164	MARKAD ATUL	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul
13168	PAWAR SACHIN	Sachin	Sachin	Sachin	Sachin	Sachin	Sachin	Sachin	Sachin	Sachin	Sachin
13169	MANDHARE SIDDHI	Siddhi	Siddhi	Siddhi	Siddhi	Siddhi	Siddhi	Siddhi	Siddhi	Siddhi	Siddhi
13170	DHALE NIKITA	Nikita	Nikita	Nikita	Nikita	Nikita	Nikita	Nikita	Nikita	Nikita	Nikita
13171	SUTAR YUVRAJ	Yuvraj	Yuvraj	Yuvraj	Yuvraj	Yuvraj	Yuvraj	Yuvraj	Yuvraj	Yuvraj	Yuvraj
13173	DHEMBARE SANDHYA	Sandhya	Sandhya	Sandhya	Sandhya	Sandhya	Sandhya	Sandhya	Sandhya	Sandhya	Sandhya
13174	MODI VASIM	Vasim	Vasim	Vasim	Vasim	Vasim	Vasim	Vasim	Vasim	Vasim	Vasim
13180	RANAWARE PRAJAKTA	Prajak	Prajak	Prajak	Prajak	Prajak	Prajak	Prajak	Prajak	Prajak	Prajak
13181	KALE AKSHAY	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay
13185	Mehata Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash

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Department of BBA(Computer Application) CLASS :-TYBBA(C.A)

Sub:- Machine Learning using Python Training(Attendance) Time-51:10am-1pm & 52:2pm-5pm

Sl. No.	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
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13120	KAMBLE ASAWARI	Asawari	Asawari	Asawari	Asawari	Asawari	Asawari	Asawari	Asawari	Asawari	Asawari
13121	LONDHE NEHA	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha
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13181	KALE AKSHAY	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay
13185	Mehata Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash