



Amrutvahini Sheti and Shikshan Vikas Sanstha's
**AMRUTVAHINI COLLEGE OF ENGINEERING ,
SANGAMNER**



Department of Computer Engineering
Organizes

Three Days Workshop on

***"Machine Learning &
It's Applications"***



27th September to 29th September, 2019
Venue :- J.R.D. Tata Hall, Main Building

-: RESOURCE PERSON :-

MR. YOGESH P. MURUMKAR

Director, Bharat Software Solution, Pune

Prof. Pramoda Patro
Prof. V.K.Abhang
Co-ordinator

Prof. R.L.Paikrao
Head of Dept.

Dr. M.A.Venkatesh
Principal

Shri. A.B.Shinde
CEO

AMRUTVAHINI COLLEGE OF ENGINEERING,SANGAMNER

DEPARTMENT OF COMPUTER ENGINEERING

A REPORT ON MACHINE LEARNING WORKSHOP

Department of computer engineering organized 03(three) days workshop on “Machine Learning and it’s Applications” 27th- 29th october 2019 for SE, TE, BE students . There are 60 (Sixty) students participated in this workshop. The main objective of the workshop is to initiate the participants into the world of AI and its subset domain of Machine Learning so that they are able to get practical hands-on training on the same and thus ultimately use this acquired knowledge to get jobs in the ever-changing IT scenario. The resource person for this workshop is Mr. Murumkar Yogesh Prabhakar, Director and Corporate trainer of Bharat Software Solutions, Kothrud, Pune. Program started with introductory speech by Prof V K Abhang followed by felicitation of resource person Mr Murumkar Yogesh Prabhakar by Principal Dr. M. A. Venkatesh.



Prof R. L. Paikrao, Head Department of computer engineering motivated and briefly about the workshop and explained the future of Machine Learning to students. Thereafter Our Principal Dr. M A Venkatesh guided to the students. Then the students moved for 1st day of workshop towards Visweswarya conference hall.

On the 1st day, students learn about

- Python Introduction
- Environmental Setup
- Anaconda and Jupyter overview with steps for installation
- Hands on python basics.

On the 2nd day, students learn about

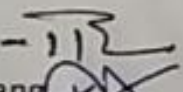
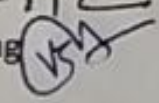
- Python for data analysis- Numpy
- Python for data analysis- Pandas
- Python for data analysis- Pandas exercise
- Python for Visualization- Matplotlib

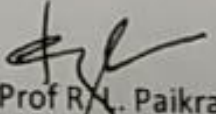


On the 3rd day, students learn about

- Python for data Visualization- Geographical plotting
- Data project/Use cases/Creating applications using python.
- Introduction to Machine Learning
- Hands on Linear Regression, K nearest neighbours.

Various certification programs are also explained by the resource person and at the end, students also performed some miniprojects using python.

Prof P. Patro - 
Prof V. K. Abhang - 
Co-ordinator


Prof R. L. Paikrao
HOD

MACHINE LEARNING WORKSHOP ATTENDANCE SHEET

SR. NO	NAME	CLASS	27-09-2019			28-09-2019			29-09-2019		
1	JANBANDHU MRUDUL	BE ELECT.	Janbandhu	Janbandhu	Janbandhu	Janbandhu	Janbandhu	Janbandhu	Janbandhu	Janbandhu	Janbandhu
2	PANDEY PRABHAT S.	SE COMP	Pandey	Pandey	Pandey	Pandey	Pandey	Pandey	Pandey	Pandey	Pandey
3	SINGH SHREESH V.	SE COMP	Singh	Singh	Singh	Singh	Singh	Singh	Singh	Singh	Singh
4	WANDEKAR VISHAL A.	SE COMP	Wandekar	Wandekar	Wandekar	Wandekar	Wandekar	Wandekar	Wandekar	Wandekar	Wandekar
5	KAWARE ANIKET S.	SE COMP	Kaware	Kaware	Kaware	Kaware	Kaware	Kaware	Kaware	Kaware	Kaware
6	GUNJAL NAHUL R.	SE COMP	Gunjal	Gunjal	Gunjal	Gunjal	Gunjal	Gunjal	Gunjal	Gunjal	Gunjal
7	GOPALE GANESH	SE COMP	Gopale	Gopale	Gopale	Gopale	Gopale	Gopale	Gopale	Gopale	Gopale
8	GUNJAL ABHIJIT	SE COMP	Gunjal	Gunjal	Gunjal	Gunjal	Gunjal	Gunjal	Gunjal	Gunjal	Gunjal
9	GHULE YOGESHWAR	SE COMP	Ghule	Ghule	Ghule	Ghule	Ghule	Ghule	Ghule	Ghule	Ghule
10	AROTE SAMEER	SE COMP	Arote	Arote	Arote	Arote	Arote	Arote	Arote	Arote	Arote
11	AHER SAMIR	SE COMP	Aher	Aher	Aher	Aher	Aher	Aher	Aher	Aher	Aher
12	PAWAR RUSHIKESH D.	SE COMP	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar
13	SATPUTE ABHISHEKH	SE COMP	Satpute	Satpute	Satpute	Satpute	Satpute	Satpute	Satpute	Satpute	Satpute
14	NARAYANE ANIKET	SE COMP	Narayane	Narayane	Narayane	Narayane	Narayane	Narayane	Narayane	Narayane	Narayane
15	MURUMKAR ATHARVA	SE COMP	Murumkar	Murumkar	Murumkar	Murumkar	Murumkar	Murumkar	Murumkar	Murumkar	Murumkar
16	SHAIKH AYESHA	SE COMP	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh
17	SHINDE SAMBODHI	SE COMP	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
18	NAIK SHREYASH	SE COMP	Naik	Naik	Naik	Naik	Naik	Naik	Naik	Naik	Naik
19	GARATHI PARAG	SE COMP	Garathi	Garathi	Garathi	Garathi	Garathi	Garathi	Garathi	Garathi	Garathi
20	WAGH GORAKH E.	SE COMP	Wagh	Wagh	Wagh	Wagh	Wagh	Wagh	Wagh	Wagh	Wagh
21	GUNJAL TANMAY	SE COMP	Gunjal	Gunjal	Gunjal	Gunjal	Gunjal	Gunjal	Gunjal	Gunjal	Gunjal
22	TURAKANE SAMADHAN B.	SE COMP.	Turakane	Turakane	Turakane	Turakane	Turakane	Turakane	Turakane	Turakane	Turakane
23	PATIL ANUSHKA S.	SE COMP.	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
24	THEITE AMIT P.	TE ELECT.	Theite	Theite	Theite	Theite	Theite	Theite	Theite	Theite	Theite
25	PAWAR MAYUR A.	TE ELECT.	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar
26	PAWAR SURAJ M.	TE ELECT.	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar
27	PAWAR AMIT B.	SE ELECT.	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar
28	TOTLA PRANAV L.	SE IT	Totla	Totla	Totla	Totla	Totla	Totla	Totla	Totla	Totla
29	SHELKE ADITYA S.	SE IT	Shelke	Shelke	Shelke	Shelke	Shelke	Shelke	Shelke	Shelke	Shelke
30	JAPE UDAYSHREE D.	SE IT	Jape	Jape	Jape	Jape	Jape	Jape	Jape	Jape	Jape

31	JADHAV SHRUTI S.	SE IT	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
32	TAPAL VRJSHALI R.	SE IT	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
33	WALKE NAYANA A.	SE IT	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
34	GUNJAL SAMPADA R.	SE IT	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
35	GAIKWAD PRATHAM	SE IT	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
36	KHANDALE NIKITA K.	TE	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
37	DESHMUKH VAISHNAVI A.	TE COMP	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
38	WAGH MUKUND R.	TE COMP	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
39	BAGAL PRITI R.	TE COMP	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
40	KAKAD BHARTI B.	TE COMP	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
41	DHOKANE GITANALI S.	TE COMP	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
42	JAJU RADHIKA	TE COMP	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
43	SONAWALE SAVITA	TE COMP	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
44	WAKCHAURE GAURAVI	TE COMP	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
45	SONAWANE CHHAYA	TE COMP	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
46	PAKHALE HARSHAL	TE COMP	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
47	SINARE RUCHIKA	TE COMP	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
48	MULAY PRASAD	TE COMP	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
49	RASAL SHRUTI	TE COMP	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
50	RAHANE NEETA	TE COMP	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
51	KERULKAR KOMAL R.	TE COMP	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
52	WANI GIRISH M.	TE ELECT.	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
53	GITE DIGAMBAR B.	TE ELECT.	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
54	MAHAJAN SANCHIT D.	TE ELECT.	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
55	MISAL ASHWINI S.	TE ELECT.	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
56	THORAT SHRADDHA R.	TE ELECT.	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
57	CHAUDHARI MAYUR K.	TE ELECT.	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
58	NIKAM SAPNA R.	TE ELECT.	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
59	KONCHAR MANOJ	TE ELECT.	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
60	GANTHATE JAYASHRI	COMP	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti

61 Bhagwat Jomal Satish comp

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Prof P Patra/Prof V K Abhang
Coordinator

Prof R A Paikrao
HOD

Date 12/01/2019

To,
The Principal
AVCOZ
Sangamner

Sub: Regarding permission to Conduct Machine Learning Workshop for students (03 days)

Respected Sir,

I am Prof. P. Patil, Department of Computer Engineering states that I want to conduct "Machine Learning and its application" Workshop for students. The Workshop having 03 days and resource person Mr. Anurag Raghav Director and Corporate Trainer of Bharat Software Solutions, Kothrud, Pune.

Therefore, I am requesting you to kindly permit for the same, then I will be obliged for the same.

Yours faithfully,
Prof. P. Patil - 112
Prof. V. K. Abhang

Res/sir,

Please permit. Students
Elect
from Comp, IT, ~~Elect~~, Elect
ETC can participate in
this workshop.

allred
12/9/19

dyk
(Principals)



Amrutvahini Sheti & Shikshan Vikas Sanstha's

AMRUTVAHINI COLLEGE OF ENGINEERING

Amrutnagar, P.O. Sangamner (S.K.) 422 608, Tal. Sangamner, Dist. Ahmednagar (M.S.)

Ph. (02425) 259014, 259016, 17, 18 • Fax: (02425) 259016 • e-mail: principal@avcoe.org • www.avcoe.org

Staff Receipt

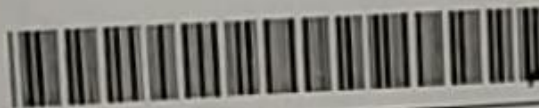
No. 001425

Date : 28-Sep-2019

Name : Patro Pramoda Trinath

Sr.No.	Particulars	Amount
1	Machine Learning Workshop	36000.00
Grand Total		36000.00

Thirty Six Thousand Rupees Only



CASHIER

Amrutvahini College of Engineering

Note : Please do not lose this receipt it is very important document and shall have to be produced whenever asked for.

28-Sep-2019 - 9:44:20 am aNanosoft EMS

Date 01-10-2019

To,

The Principal

AVCOE

Sanganer

Sub:- Regarding Payment to the Machine Learning expert

Respected Sir,

With the reference to above cited Subject department of Computer engineering organized 3 day's Workshop on machine learning and there are 60 (sixty students) are participated and each participant fees is Rs 600. AND $60 \times 600 = 36,000$ deposited in the account Section.

Therefore I am requesting you to kindly pay 32,400 Thirty two thousand and four hundred only. Then I will be obliged for the same.

Thanking you.

Yours faithfully

P. Pathan - PK

Res/Sr,

Please permit.

Seel
11/10/19
(Parkash R.L.)

allured
seel
3/10/19.

मेहनी बापलती जानारी संहित रूपे / सामान्यतः प्रयोग किए जाने वाले संक्षेपशब्द / Generally Used Abbreviations :

acc = खाते/खाता/Account adj = समायोजन/समायोजन/Adjustment Amt = राशि/राशि/Amount Ar = बकाया/बकाया राशि/Arrear Bal = शेष/शेष/Balance Capn = पूंजीकरण/पूंजीकरण/Capitalization Chg/ch = खर्च/खर्च/Charge chq = चेक/चेक/Cheque clos = होस्ट/समाप्ति/Closure coll = वसूली/समाहरण/Collection comm = आकाश/आकाश/Commission COR/CORR = दुरुस्ती/सोधन/Correction CR = कर्मा/कर्मा/Credit csh = रोकड़/रोकड़/Cash dep = जमा/जमा/Deposit dft = दफ्तर/दफ्तर/Draft dish/dsh = नकार/नकार/Dishonour DR = कर्मे/कर्मे/Debit DoB = जन्मदिन/जन्मदिन/Date of Birth	eft = इलेक्ट्रॉनिक निधि आवाज/इलेक्ट्रॉनिक निधि आवाज/ Electronic fund transfer Inop = अक्षमता/अक्षमता/Inoperative Ins = बीमा/बीमा/Insurance Int/in = ब्याज/ब्याज/Interest Lon/in = ऋण/ऋण/Loan min = न्यूनतम/न्यूनतम/Minimum os = बाकी/बाकी/Outstanding P&T = टिकट व टेलीग्राम / टेलीग्राम एवं टेलीग्राम/ Postage & Telegram Pos = बिन्दुस्थान, निक्षेपस्थान/Point of sale Pr = मूल/मूल/Principal proc = संसाधित प्रभार/प्रक्रिया प्रभार/Processing Charge rd = आर्सेल जमा/आर्सेल जमा/Recurring Deposit ret/rtn = वापस/वापस/Return Rnd = पूर्ण/पूर्ण/ Round of sb = बचत बैंक/बचत बैंक/ Saving Bank sc = वसूली/वसूली/ Short credit SI/So/SORD = स्थायी अनुदेश/स्थायी अनुदेश/ Standing Instruction	S/D/W/H/o = पुत्र-पुत्री-पुत्र-पुत्री-पुत्री/ Sons/daughters/sons/daughters/ Sons/daughters/sons/daughters/ Transfer TT = टेलीग्राम/टेलीग्राम/Telegraphic Transfer txn = व्यवहार / लेनदेन/ Transaction Wdl = वापस/वापस/Withdrawal +MOD bal = मूल/मूल/Total Balance (SB)
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भारतीय स्टेट बैंक • भारतीय स्टेट बैंक • State Bank of India

Savings Bank Account

CIF No : 88006684671

Account No : 20274641806

Customer Name: Mr. YOGESH PRABHAKAR MURUMKAR

S/D/W/H/o: PRABHAKAR UTTAMRAD MURUMKAR

Address: SANT LAHANUJI MARG TAPDIA NAGAR

CHAITANYA HOSPITAL, AKOLA

Phone:

Email:

D.O.B. (If Minor):

MOP.: FIRST

Toll Free Helpline - 1800 112211 / 1800425 3800

RAMDASPETH (AKOLA)

P.B.NO.135. NEAR BIRLA GATE.

Phone: 2442519

Email: sb1.06180@sb1.co.in

Branch Code: 6180

Date of Issue: 21/08/2015

21/08/2015 6522607 6180

IFSC: SBIN0006180

शाखा प्रबंधक
शाखा प्रबंधक
Branch Manager

