

SRI VENKATESWARA COLLEGE OF ENGINEERING (SVCE)
PENNALUR, SRIPERUMBUDUR-602117



SVCE

Sri Venkateswara
College of
Engineering

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Department of Computer Science and Engineering

Reflection Report

Three day Workshop on Machine Learning

“EMTECH 2.0”

Coordinators

Dr P Vinothiyalakshmi, ASP/CSE

Dr P Geetha, AP/CSE

Ms R K Kapila Vani, AP/CSE

Convenor

Dr R Anitha

Professor & HoD/CSE

Date : 14/11/22 to 16/11/22

Forwarded to
Principal.

10/11/22
Noted
26
24/11

CIRCULAR

from: [vaidakshmi@svce.ac.in] to: [geethaparama@svce.ac.in]

X

Active SVCE

← [Icons]

Fwd: complete to compute club 3 - Day Workshop on Machine Learning

VINOOTHYALAKSHMI P C SE

Dear Madam,
Kindly forward this mail to our department faculty.

Dear faculty,
Kindly forward this mail to B year and U year students group.

----- Forwarded message -----
From: C2C CLUB - SVCE <svceclub2022@gmail.com>
Date: Sun, 13 Nov 2022, 9:50 am
Subject: Fwd: complete to compute club 3 - Day Workshop on Machine Learning
To: VINOOTHYALAKSHMI P C SE <vaidakshmi@svce.ac.in>

Greetings from "COMPLETE TO COMPUTE CLUB"

We are pleased to announce that C2C is organizing a "3-Day workshop on Machine Learning".
The Complete to Compute Club is conducting a 3-day workshop to learn about and create Machine Learning models wherein we provide the required knowledge to achieve this and also a participation certificate and project completion certificate at the end of it. Machine learning which has become one of the most trending and important aspect in today's scenario. As we could see ML in many sectors like health, business and what not!! C2C brings us the opportunity to learn and build ML models in this workshop.

- Day 1 - Python and ML
- Day 2 - R and ML
- Day 3 - Model Building Hands-on session

Participants will be provided with Participation certificate and Project Completion Certificate at the end of the 3 - Day Workshop

We extend our warm welcome to one and all to attend and utilise the wonderful opportunity from C2C.

📅 Dates: 14.11.2022 (online), 15.11.2022 (online), 16.11.2022 (offline)
🕒 Time: 9:30 am to 12:30 pm (day 1 and day 2)

To participate in our 3- Day workshop, you can register in the link below

<https://forms.gle/ZnoQM2fExq91p3De9>

INVITATION



COMPETE TO COMPUTE CLUB

&

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

CONDUCTS



EMTECH 2.0

**3 DAY
WORKSHOP ON MACHINE LEARNING**

 DAY 1 - MON 14TH NOV

 ML WITH PYTHON BY

 Ms.R.K.Kapilavani

 DAY 2 - TUE 15 TH NOV

 ML WITH R BY

 Dr. P. Geetha

 DAY 3 - WED 16 TH NOV

 Project Building



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Compete to Compute Club

Three day Workshop on Machine Learning

"EMTECH 2.0"

SCHEDULE OF THE WORKSHOP

| Day | Topics | Resource Person |
|-------|------------------|---|
| Day 1 | ML with Python | Ms R K Kapila Vani, AP / CSE |
| Day 2 | ML with R | Dr P Geetha, AP / CSE |
| Day 3 | Project Building | Dr P Vinothiyalakshmi, ASP / CSE C2C Office Bearers |

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Compete to Compute Club

Three day Workshop

on

Machine Learning

"EMTECH 2.0"

Workshop Link: <https://meet.google.com/oai-eidz-syu>

Feedback from the Participants

Day 1

<https://docs.google.com/spreadsheets/d/1a4Xj9byhi9R-JhKZK2VfcZueYY8y3tV0qBYLMshTddA/edit?usp=sharing>

Day 2

https://docs.google.com/spreadsheets/d/1fcOG1MJ49xn7M-jd61OAJxoxArfTDS5H_M1YouBojkM/edit?usp=sharing

Day 3

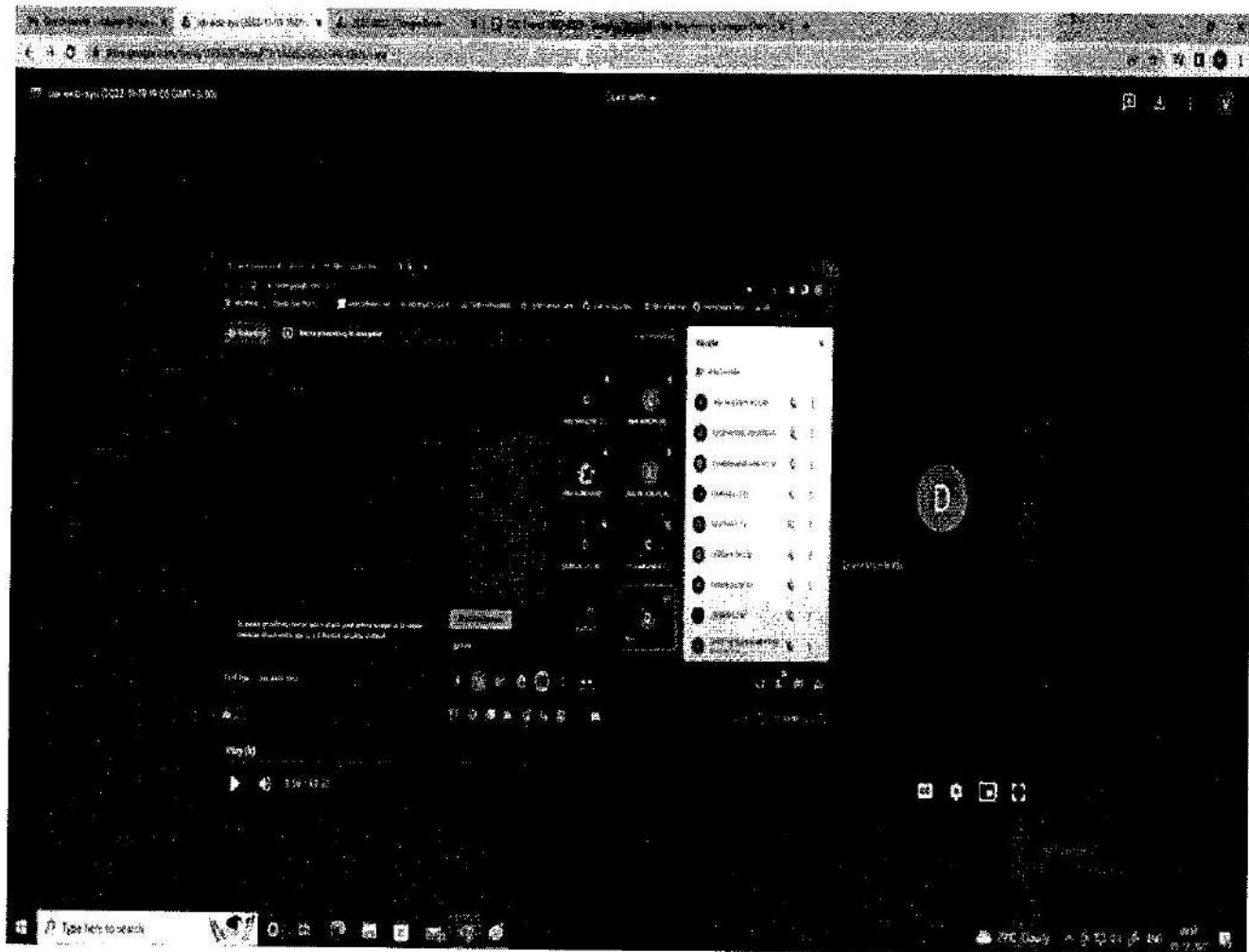
https://docs.google.com/spreadsheets/d/1i8_fXNc1a9DrgOw6SVuI0u8ahax05nscziY-lADdrYo/edit?usp=sharing

LIST OF PARTICIPANTS

| S.No | Student's Name | Email | 14/11/22 | 15/11/22 | 16/11/22 |
|------|-----------------------|--|----------|----------|----------|
| 1 | Aakash A | 2020ad0941@svce.ac.in | P | P | P |
| 2 | Abinaya S | 2021cs0185@svce.ac.in | P | P | P |
| 3 | Aslin Joshy A J | 2021cs0225@svce.ac.in | P | P | P |
| 4 | Aditya V | 2020cs0226@svce.ac.in | P | P | P |
| 5 | Bhavan Arimaan T | bhavanarima04@gmail.com | P | P | P |
| 6 | Bhavani S | 2021cs0231@svce.ac.in | P | P | P |
| 7 | Chanakiya Kshatriya A | 2021cs0733@svce.ac.in | P | P | P |
| 8 | Durga G | 2021cs0121@svce.ac.in | P | P | P |
| 9 | Ganeshh S | 2020ad0596@svce.ac.in | P | P | P |
| 10 | Geetha F | 2020cs0257@svce.ac.in | P | P | P |
| 11 | Girisha.T.S | 2021cs0846@svce.ac.in | P | P | P |
| 12 | Karthikeyan S | karthi051003@gmail.com | P | P | P |
| 13 | Kiran Karthikeyan.S | 2020ad0152@svce.ac.in | P | P | P |
| 14 | L.S Ganesh Rathnam | 2020ad0598@svce.ac.in | P | P | P |
| 15 | M Sanjana | msanjana1383@gmail.com | P | P | P |
| 16 | M.Jeevasree | 2021cs0198@svce.ac.in | P | P | P |
| 17 | Madhumathi V | 2021cs0346@svce.ac.in | P | P | P |
| 18 | Mohan R | 2021cs0596@svce.ac.in | P | P | P |
| 19 | Nandha Kumaran E | nandhakumardec21@gmail.com | P | P | P |
| 20 | Naren Surya.S | s.narensurya@gmail.com | P | P | P |
| 21 | Narmadha P | 2021cs0055@svce.ac.in | P | P | P |
| 22 | Nithish Kumar B | 2020ad0650@svce.ac.in | P | P | P |
| 23 | P Dharshana Shri | 2021cs0008@svce.ac.in | P | P | P |
| 24 | Pratheek | pratheekmanimaran@gmail.com | P | P | P |
| 25 | Pratheep N | 2021cs0603@svce.ac.in | P | P | P |
| 26 | Ramanaprasath G | 2020ad0857@svce.ac.in | P | P | P |
| 27 | Roja M | 2020ec0642@svce.ac.in | P | P | P |
| 28 | S.Harini | 2021cs0797@svce.ac.in | P | P | P |

| | | | | | |
|----|--------------------|--|---|---|---|
| 29 | Sakthimurugan M | 2021cs0739@svce.ac.in | P | P | P |
| 30 | Sangeetha.V | 2021cs0238@svce.ac.in | P | P | P |
| 31 | Shalini D | 2021cs0088@svce.ac.in | P | P | P |
| 32 | Shivasubbiah.B | shivasubbiahs@gmail.com | P | P | P |
| 33 | Srii Rajeswari P | 2021cs0526@svce.ac.in | P | P | P |
| 34 | Sriithanuj .B | 2021cs0594@svce.ac.in | P | P | P |
| 35 | Sumaant KB | 2021ad0558@svce.ac.in | P | P | P |
| 36 | Supritha V | 2021cs0075@svce.ac.in | P | P | P |
| 37 | Swetha P | 2020cs0501@svce.ac.in | P | P | P |
| 38 | Udhaya Dharshini V | 2020it0639@svce.ac.in | P | P | P |
| 39 | Varsha S | 2021cs0266@svce.ac.in | P | P | P |
| 40 | Vinochan K B | 2021cs0783@svce.ac.in | P | P | P |
| 41 | Vishnu Priyan S | 2021cs0829@svce.ac.in | P | P | P |
| 42 | Vishnuvardan.A | vishnukeerthi1521@gmail.com | P | P | P |
| 43 | Yugeshwari D | 2020it0622@svce.ac.in | P | P | P |
| 44 | Yuvaraj K | yuvarajk1901@gmail.com | P | P | P |

WORKSHOP PRESENTATION BY THE SPEAKER



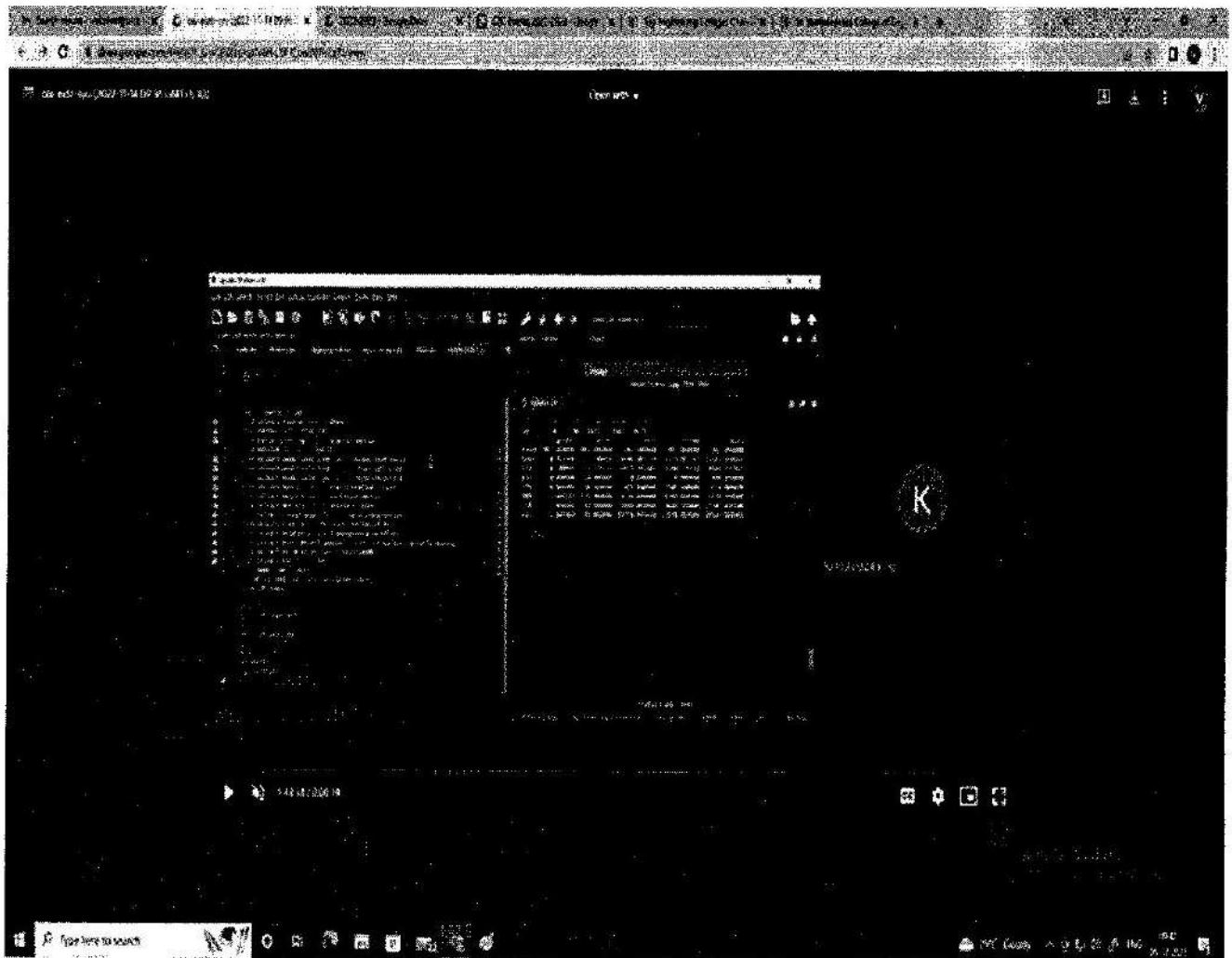
Day 1: Introduction about EMTECH 2.0 Workshop

WORKSHOP PRESENTATION BY THE SPEAKER



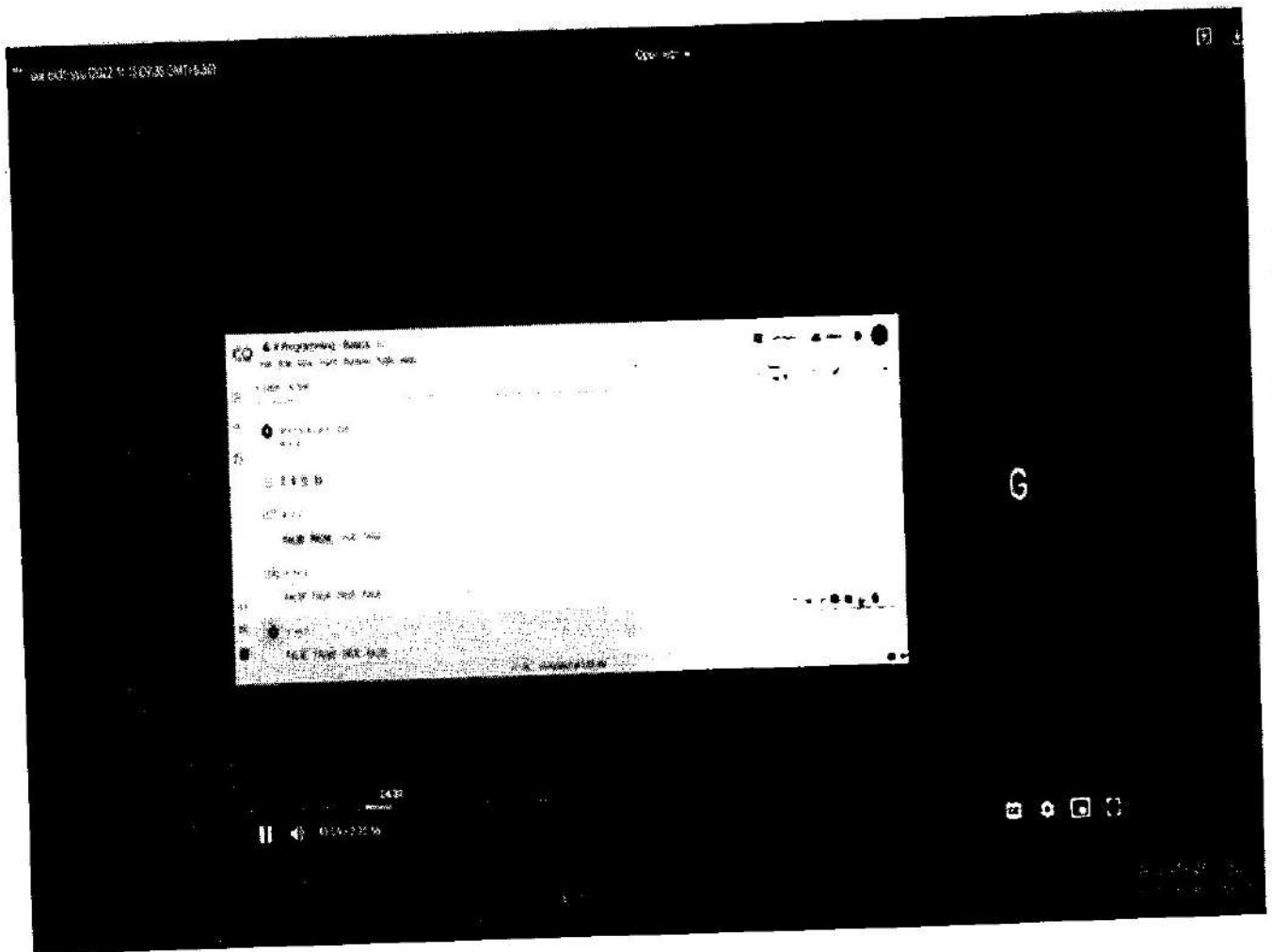
Day 1: Felicitation address by Dr R Anitha, Convenor, HoD/CSE, EMTECH 2.0 Workshop

WORKSHOP PRESENTATION BY THE SPEAKER



Day 1: Presentation by Ms R'K Kapila Vani, AP/CSE

WORKSHOP PRESENTATION BY THE SPEAKER



Day 2: Presentation by Dr P Geetha, AP CSE

WORKSHOP PRESENTATION BY THE SPEAKER



Day 3: Presentation by Dr P Vinothiyalakshmi, ASP/CSE

SAMPLE CERTIFICATE



35 Years of Excellence

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The Certificate of Participation

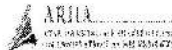
This is to certify that Mr. AAKASH S of III CSE has participated in the Three Day Workshop on "Machine Learning" organized by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering held from 14th to 16th November 2022.

Dr.R.Anitha
HOD/CSE-CONVENOR

Dr.S.Ganesh Vaidyanathan
Principal



Top Ranked Affiliated
Institution in Tamil Nadu



5/5 Star Rated
Innovation Cell



Certified Organization



Accreditations

**SRI VENKATESWARA COLLEGE OF ENGINEERING (SVCE)
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FEEDBACK FROM PARTICIPANTS

AC
Quality

| S.No. | Name | Registered email-id | Mobile Number | Year of Study and Section | Was the session useful to you? DAYS | | | | | How do you rate this "Workshop on Emerging Technologies and Tech Trends"? DAYS | | | | | Any suggestions to improve. | |
|-------|------------------|--|---------------|---------------------------|--|---|---|---|---|---|---|---|---|---|-----------------------------|------|
| | | | | | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | | |
| 1 | Aakash A | 2020ad0941@svce.ac.in | 7449298008 | 3 Year C | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | Good |
| 2 | Abinaya.S | 2021cs0185@svce.ac.in | 8667848205 | 2 YEAR 'A' SEC | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 4 | Good | |
| 3 | Aditya V | 2020cs0226@svce.ac.in | 9882949523 | Third year/A | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | Good | |
| 4 | Aslin Joshy A J | 2021cs0225@svce.ac.in | 9342949408 | Second year/A | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | Good | |
| 5 | Bhavan Arimaan T | bhavanarima04@gmail.com | 9361556600 | 2 & A | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | Good | |
| 6 | Bhavani S | 2021cs0231@svce.ac.in | 9881246801 | 2 A | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | Good | |

| | | | | | | | | | | | | | | | |
|----|-----------------------|--|-------------|---------------------|---|---|---|---|---|---|---|---|---|---|------------------------|
| 7 | Chanakiya Kshatriya A | 2021cs0733@svce.ac.in | 7010815866 | 2 year -A | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | Good |
| 8 | Durga G | 2021cs0121@svce.ac.in | 6374167213 | II (2ND YEAR) A | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | Excellent |
| 9 | Ganeshh S | 2020ad0596@svce.ac.in | 9442014177 | 3rd year A | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | Good |
| 10 | Geetha F | 2020cs0257@svce.ac.in | 8825407591 | 3rd year, A section | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | Good |
| 11 | Girisha.T.S | 2021cs0846@svce.ac.in | 8220625292 | 2 nd year "A" sec | 4 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | Good |
| 12 | Karthikeyan S | karthi051003@gmail.com | 7550067124 | 2-b | 4 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | Good |
| 13 | Kiran Karthikeyan.S | 2020ad0152@svce.ac.in | 09600067364 | 3rd A | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | good |
| 14 | L.S Ganesh Rathnam | 2020ad0598@svce.ac.in | 9840544107 | 3rd - A | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | Nothing in particular. |
| 15 | M Sanjana | msanjana1383@gmail.com | 9600072284 | A | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | Good |
| 16 | M.Jeevasree | 2021cs0198@svce.ac.in | 9952956494 | 2 nd year B section | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | Good |
| 17 | Madhumathi V | 2021cs0346@svce.ac.in | 9442392118 | 2nd year -B section | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | Good |
| 18 | Mohan R | 2021cs0596@svce.ac.in | 9551276969 | 2nd year B | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | Good |
| 19 | Nandha Kumaran E | nandhakumarandec21@gmail.com | 07010431339 | 2nd ; B | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | Good |

| | | | | | | | | | | | | | | | |
|----|------------------|--|---------------|------------------------|---|---|---|---|---|---|---|---|---|---|------------------------------|
| 20 | Naren Surya.S | s.narensurya@gmail.com | 9884090301 | 2 nd B | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | Good |
| 21 | Narmadha P | 2021cs0055@svce.ac.in | 8667765277 | 2nd year b sec | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | Good |
| 22 | Nithish Kumar B | 2020ad0650@svce.ac.in | +919585283007 | Illrd year | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | Good |
| 23 | P Dharshana Shri | 2021CS0008@SVCE.A.C.IN | 9080766418 | 2nd Year - "A" Section | 4 | 4 | 5 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | Satisfactory |
| 24 | Pratheek | pratheekmanimaran@gmail.com | 8056163515 | 2nd Year / B | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 4 | No comments. |
| 25 | Pratheep N | 2021cs0603@svce.ac.in | 7373647959 | 2ND YEAR 'B' SECTION | 4 | 4 | 5 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | Good |
| 26 | Ramanaprasath G | 2020ad0857@svce.ac.in | 8667251578 | Ill rd year - A | 4 | 4 | 5 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | Good |
| 27 | Roja M | 2020ec0642@svce.ac.in | 8825552651 | III-C | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | Good |
| 28 | S.Harini | 2021cs0797@svce.ac.in | 9789000625 | 2ND year - A section | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | It was a really good session |
| 29 | Sakthimurugan M | 2021cs0739@svce.ac.in | 9363381082 | 2nd year CSE C sec | 4 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 4 | Good |
| 30 | Sangeetha.V | 2021cs0238@svce.ac.in | 8015015174 | 2 nd year -C sec | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | Good |
| 31 | Shalini D | 2021cs0088@svce.ac.in | 9444550581 | year - 'C' sec | 3 | 3 | 5 | 5 | 3 | 5 | 5 | 5 | 5 | 4 | no suggestions |

| | | | | | | | | | | | | | | | |
|----|--------------------|--|-------------|------------------------|---|---|---|---|---|---|---|---|---|---|------------------------------|
| 32 | Shivasubbiah. B | shivasubbiahs@gmail.com | 9629578481 | 2-c | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | No suggestions |
| 33 | Srii Rajeswari P | 2021cs0526@svce.ac.in | 75501 44627 | 2/C | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | Good |
| 34 | Srithanuj .B | 2021cs0594@svce.ac.in | 9840155815 | 2nd year-c section | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | Good |
| 35 | Sumaant KB | 2021ad0558@svce.ac.in | 9361449365 | 2nd year, Section: 'A' | 4 | 4 | 5 | 5 | 4 | 5 | 4 | 5 | 5 | 4 | Good |
| 36 | Supriitha V | 2021cs0075@svce.ac.in | 6382313110 | II and C | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | Good |
| 37 | Swetha P | 2020cs0501@svce.ac.in | 9790985931 | 3rd year and C section | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | Good |
| 38 | Udhaya Dharshini V | 2020it0639@svce.ac.in | 8778151316 | 3rd year B | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | Good |
| 39 | Varsha S | 2021cs0266@svce.ac.in | 9543755571 | II - C | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | no suggestions |
| 40 | Vinochan K B | 2021cs0783@svce.ac.in | 8637431560 | 2/C | 3 | 3 | 5 | 4 | 3 | 5 | 4 | 5 | 5 | 4 | Good |
| 41 | Vishnu Priyan S | 2021cs0829@svce.ac.in | 9080796092 | 2nd year C | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 4 | It was a really good session |
| 42 | Vishnuvardan. A | vishnukeerthi1521@gmail.com | 7299213502 | 2nd year & A | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | Good |
| 43 | Yugeshwari D | 2020it0622@svce.ac.in | 9786967844 | III B | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | Good |
| 44 | Yuvaraj K | yuvarajk1901@gmail.com | 6381589135 | 2nd year C section | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | Good |



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Department of Computer Science and Engineering

REPORT ON EVENT

Date: 16/11/2022

Time: 4.30 PM

Objectives :

- To develop the skills required for Machine Learning Technologies with use of Python to analyze data, create beautiful visualizations, and problem solving using powerful machine learning algorithms.
- To perform machine-learning tasks with use of R , this includes image recognition, speech recognition, natural language processing, and sentiment analysis.
- To visualize the data with R is considered as the best choice as it allows rapid prototyping and works with the datasets to design machine-learning models.
- To implement the applications and project building using Machine Learning algorithms.

Speakers:

| Day | Topics | Resource Person |
|-------|------------------|----------------------------------|
| Day 1 | ML with Python | Ms R K Kapila Vani, AP / CSE |
| Day 2 | ML with R | Dr P Geetha, AP / CSE |
| Day 3 | Project Building | Dr P Vinothiyalakshmi, ASP / CSE |

About the programme :

Day 1

Ms. Divyamsh, a student of III AD, introduced the C2C Club and the EMTECH 2.0 Machine learning workshop. Dr R Anitha, HoD / CSE, delivered the felicitation address about this workshop. Ms Janani, Student from III AD, gave the inaugural address and introduced the resource person Ms.R.K.Kapila Vani, Assistant Professor, Department of CSE, SVCE to the gathering. After introduction, the session was handed over to the Speaker. The Speaker discussed the significance of Machine Learning. She demonstrated through Anaconda IDE and explained the implementation of Machine Learning Algorithms using Python. The speaker then clarified the participants' doubts at the end of the session. Mr Adithiyan, Student from III CS, gave the vote of thanks. The feedback was collected from the participants using Google Forms and the session was closed for the day.

Day 2

Mr. Adithiyan, III CS student, gave the inaugural address and introduced the contact person, Dr. P Geetha, Assistant Professor, CSE Department, SVCE to the gathering. After the introduction, the session was handed over to the speaker. The speaker discussed the usage of R Tool and she demonstrated it through R Studio. She explained the implementation of Machine Learning Algorithms, Statistical Concepts, Time series analysis, Plots and Graphs using R. The speaker then clarified the doubts of those present at the end of the session. Ms Janani, Student of III AD, gave the Vote of Thanks. Feedback was gathered from participants via Google Forms and the session was adjourned for the day.

Day 3

Ms Janani, Student of III AD, delivered the inaugural address and introduced the resource person Dr P Vinothiyalakshmi, Associate Professor, Department of CSE, SVCE to the gathering. After introduction, the session was handed over to the Speaker. The speaker has given the worksheets related to ML algorithms as well as R visualization projects to the students. And she explained the ways to do so. The speaker then clarified the participants' doubts at the end of the session. Ms.Divyamsh, Student of III AD gave the Vote of Thanks. Feedback were collected from participants through Google Forms and the session was closed for the day.

Outcomes:

- The participants learned about the new software tools (R and Python with ML) .
- Participants were able to expand their understanding of the coding and its application in various domains.
- Participants were able to strengthen their programming abilities in preparation for placements and also in implementing Projects.
- The students learned the skills required to participate in Hackathons, Coding events, Conferences, and other technical events.
- On learning these software tools (R and Python) with ML, the students have developed the prototype on the pressing problems of the society.

1. P. Vinithyalakshmi
2. Dr. P. Geetha
3. Mrs. R. K. Kapila Vani
Prepared by (Coordinators)

1. Dr.P.Vinothiyalakshmi ASP/CSE
2. Dr.P.Geetha AP/CSE
3. Mrs.R.K.Kapila Vani AP/CSE


HoD/CSE

Dr R Anitha
Professor & Head
Department of CSE