Sadashiv R. Puranik Department of Mathematics Date: 08/02/2022

To,

The Principal,

Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati.

Subject: Report of the workshop on Mathematics in Machine Learning.

Respected Sir,

We have organized six days online workshop on "Mathematics in Machine Learning" for B.Sc. and M.Sc (Mathematics) students' under the Entrepreneurship Development Cell of our college. The workshop was held from 31<sup>st</sup> January to 5<sup>th</sup> February 2022( 09:00 AM to 11:00 AM). Seventy students and 5 teachers of the department of Mathematics participated in this workshop.

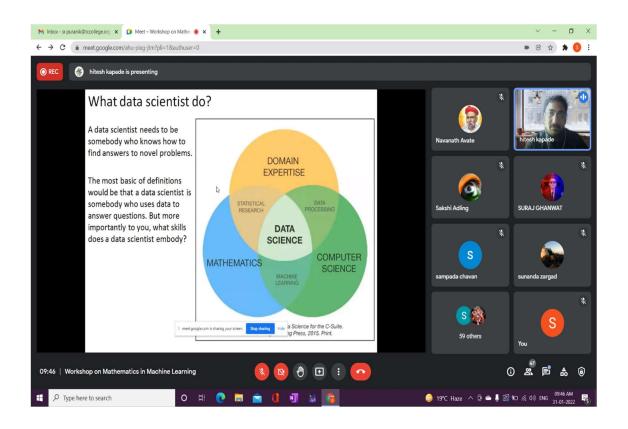
The resource person for the workshop was Mr. Hitesh Kapade. Senior Manager, MPS Interactive Systems. He started with the topic Introduction to Data Science and explained why it matters, what are the application of data science, what tools are used in it. The quiz and the assignment for the day were given to students. Then on the second day, he started with theintroduction of Machine Learning. He discussed topics such as what are machine learning algorithms, supervised and unsupervised learning. He explained about machine learning project procedure. The topic for the third day was Basic Mathematics for Machine Learning. He explained about types of data, measures of central tendency, measures of variability. Then he showed how to use Excel in machine learning. On the fourth day, he discussed howLinear Algebra was used in the Google page rank algorithm. Calculus for machine learning and case study was taken on the fifth and last day of the workshop.

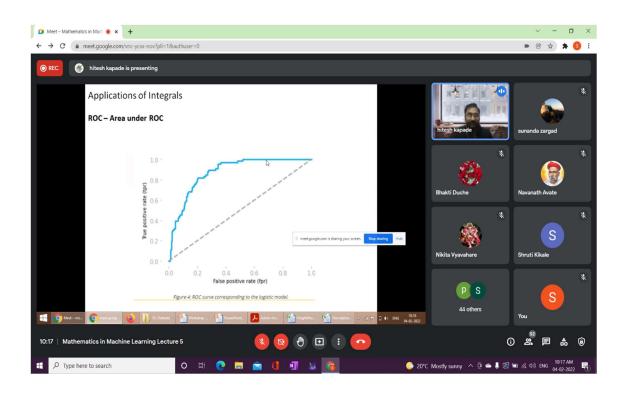
Every day students were given resources, quizzes, and assignments. The question and answers time was given to students. They interacted with the resource person and in their feedback, they told us about their satisfaction with the content and appreciated the importance of the workshop. I request you to take note of this activity.

Thank you very much for your guidance and support.

M35 TOM

Yours faithfully









### Anekant Education Society's

### Tuljaram Chaturchand College of Art's, Science and Commerce

Baramati-413102 (MS) India

(Autonomous)

## **Department of Mathematics**

Organizes

# Workshop on Mathematics in Machine Learning

31 January to 5 February 2022 Time: 09:00 AM to 11:00 AM

Resource Person
Mr. Hitesh Kapade
Senior Manager
MPS Interactive Systems

Registration Link: https://forms.gle/fJvpmU1m5Laq72V77
Join Telegram Group: https://t.me/+kMVr8trrkR1lYjg1

Prof. S. R. Puranik
Coordinator
Head, Department of Mathematics

Dr. V. C. Kakade Chairman Entrepreneurship Development Cell

**Dr. C. V. Murumkar**Principal

#### **Organizing Committee:**

Prof. V. H. Shinde, Prof. P. B. Fulari, Prof. S. S. Jadhav, Prof. N. R. Shinde, Prof. S. V. Kate, Prof. R. T. Kadam, Prof. V. S. Kshirsagar