



## Department of CSE Event Report

<b>EVENT TYPE</b>	: HANDS ON TRAINING
<b>EVENT TITLE</b>	: MACHINE LEARNING HANDS-ON USING PYTHON
<b>SPONSORED BY</b>	: NA
<b>DATE / TIME</b>	: 02-03-2022/10:00 AM-04:00 PM
<b>VENUE</b>	: GMEET
<b>SPEAKER / RESOURCE PERSON:</b>	Mr.Arunjit Chowdhury, CEO, EBTS, Thane(W), Mumbai
<b>ORGANISING SECRETARY</b>	: Mr.G.Senthilvelan, Assistant Professor, CSE Ms.I.Golda Selia, Assistant Professor, CSE Ms.A.Maheswari, Assistant Professor, CSE
<b>DEPARTMENT HEAD</b>	: Dr.S.Geetha
<b>TARGET AUDIENCE</b>	: Department of Computer Science& Engineering

### EVENT DESCRIPTION:

The Department of Computer Science and Engineering conducted an Hands-on training on “MACHINE LEARNING USING PYTHON” through Virtual Platform. The event was hosted by Ms.Tejaswini,II yr year, B.Tech CSE and the event began by welcoming everyone. Dr.S.Geetha, Head of the Department delivered the introductory address.Ms.Monisha, II year; B.Tech CSE introduced the speaker of the day Mr.Arunjit Chowdhury. Ms.Hemalatha, II<sup>nd</sup> year CSE spoke few words about CSI Professional society.

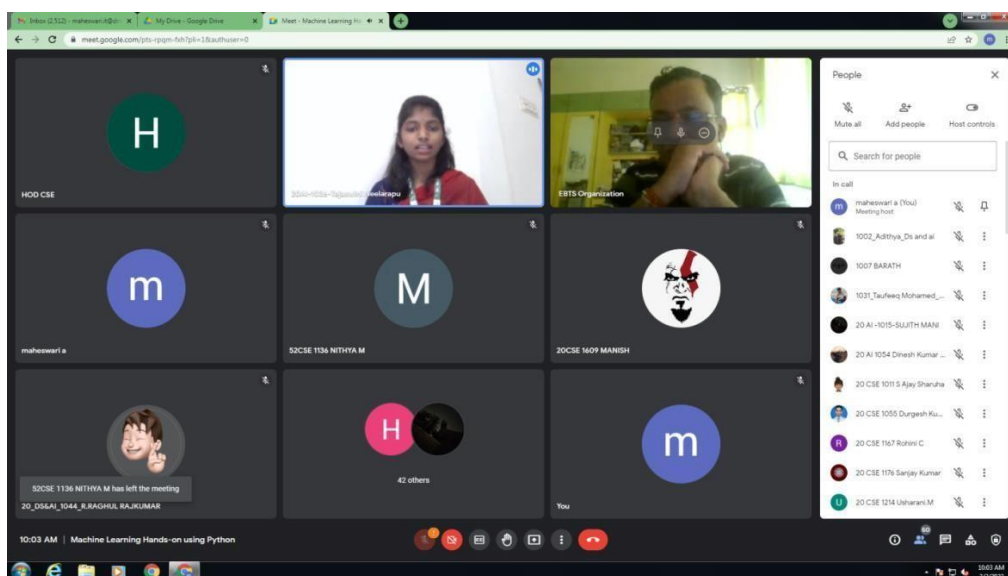


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Mr.Arunjit Chowdhury presented a very informative session about Machine Learning using Python .He furnished a brief information about how the students can gain experience beyond their classroom, Machine learning , python Curriculum-Snapshot of Courses, How Machine learning an python is used in various sectors in which it is applicable. After that the students queries were clarified by the speaker .

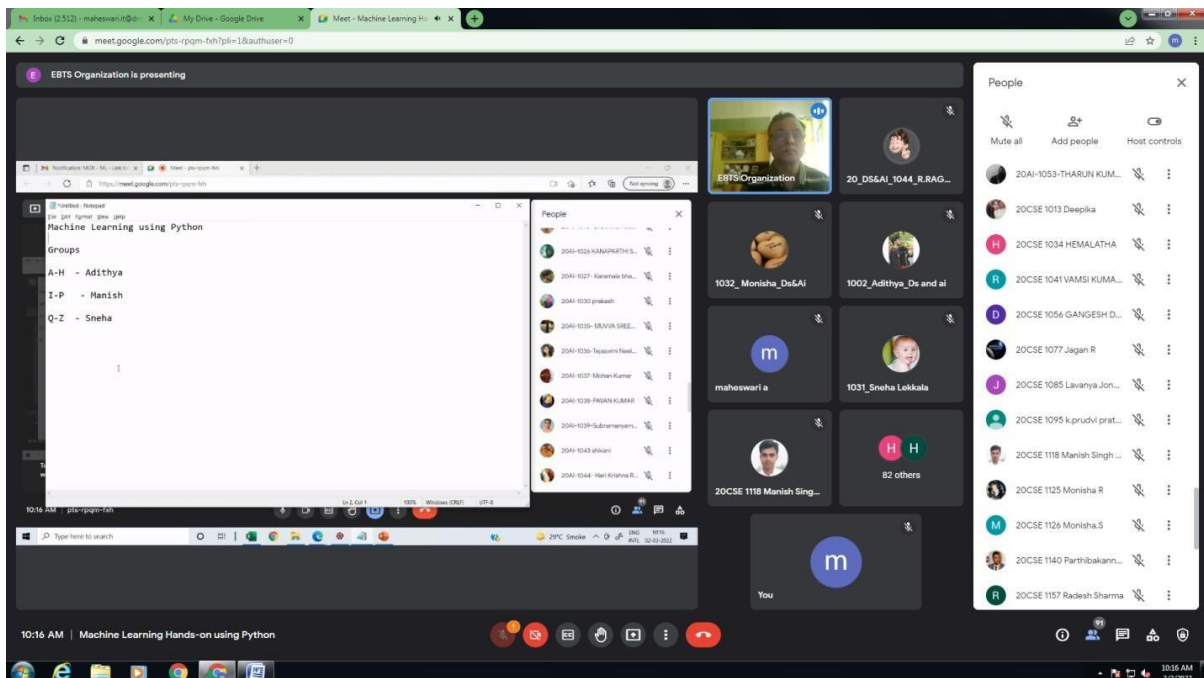
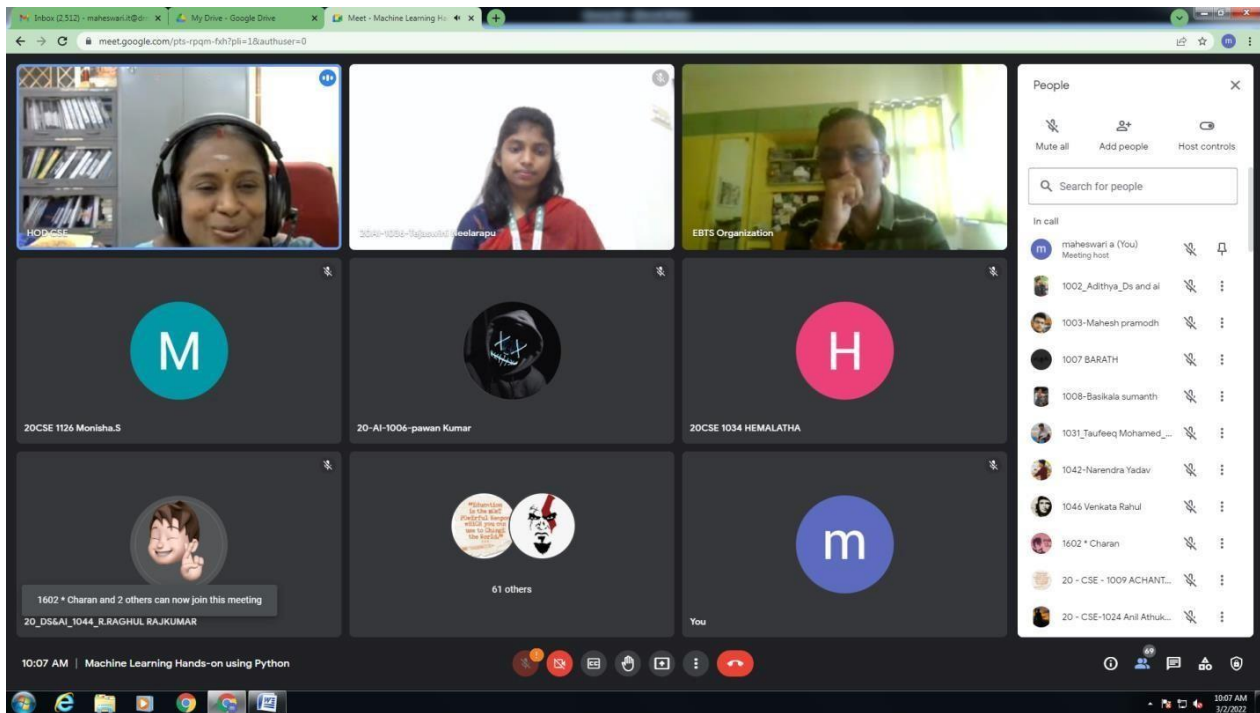
Mr.Arunjit Chowdhury gave an impressive session on Hands on training and its Implementations in industries. After that the students were allowed to ask their queries and the speakers answered them. This was a useful interactive session for all the student.

The seminar was ended up with vote of thanks by **Mr.Arvin Krithik,II year,B.Tech CSE** . We thank Dr.S.Geetha, HOD- CSE and the organizers who was instrumental in organizing the event. The session was very informative and helped the students to gain knowledge.The session was ended by the host .Tejaswini, II<sup>nd</sup> yr year, B.Tech CSE





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The screenshot shows a Google Meet window with a presentation titled "EBTS Organization is presenting". The presentation content is a Jupyter Notebook for "Simple Linear Regression". The code includes importing libraries, loading data, fitting a linear regression model, and plotting the results. A scatter plot shows the relationship between Experience (X-axis) and Salary (Y-axis). The notebook also displays a table of data points.

Name	Type	Size	Value
dataset	DataFrame	(10, 2)	Column names: YearsExperience, Salary
regressor	LinearRegression	1	LinearRegression object of sklearn.linear_model module
X	Array of float64	(10, 1)	[[1.4]
X_test	Array of float64	(10, 1)	[[1.4]
X_train	Array of float64	(10, 1)	[[1.4]
Y	Array of float64	(10, 1)	[[3863, 44095, 37731, ..., 152315, 122391, 121875]
Y_pred	Array of float64	(10, 1)	[[48855.14950071, 120879.39940029, 65134.55426883, 632, ...]
y_test	Array of float64	(10, 1)	[[37731, 122391, 57061, 63218, 116069, 108411, ...]
y_train	Array of float64	(10, 1)	[[3863, 44095, 37731, ..., 152315, 122391, 121875]

The screenshot shows a Google Meet window with a presentation titled "Evaluating Regression Models". The presentation content includes a slide with the title "Evaluating Regression Models" and a diagram illustrating the calculation of the coefficient of determination ( $R^2$ ). The diagram shows a scatter plot of Salary (\$) vs Experience, with a regression line and the formula  $R^2 = 1 - \frac{SS_{res}}{SS_{tot}}$ . The presentation also includes a slide with the title "Simple Linear Regression" and the formula  $SS_{res} = \sum (y_i - \hat{y}_i)^2$  and  $SS_{tot} = \sum (y_i - y_{avg})^2$ .