



ABOUT THE INSTITUTE

In view of the growing demand for technical education and with the goal of establishing a premier technical education par with international standards, a new technical institution by name 'B.M.S. Institute of Technology and Management' was established in 2002. Currently, BMSIT&M offers seven UG, three PG programs and Ph.D. /M.Sc. (Engg.) in ten disciplines. BMSIT&M considers research to be of equal importance as academics for the betterment of an institution. Research culture has been embraced well by the faculty members and research scholars at BMSIT& M.

OBJECTIVE OF COURSE

- To learn Python from Installation
- Introduction to Machine Learning
- Machine Learning Packages

EVENT CHAIR

DR. HEMAMALINI B H

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ABOUT THE OPEN COURSE

In this open course we dive into the basics of machine learning using Python, an approachable and well-known programming language. We'll talk about supervised vs. unsupervised learning, look into how statistical modeling relates to machine learning, and do a comparison of each.



BMS INSTITUTE OF
TECHNOLOGY & MANAGEMENT
(AN AUTONOMOUS INSTITUTION AFFILIATED TO VTU)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

MACHINE LEARNING WITH PYTHON

FIVE DAY OPEN COURSE PROGRAMME 2023

12 JUNE 2023-16-JUNE 2023



COURSE DETAILS

Machine learning is a type of artificial intelligence (AI) that allows computers to learn without being explicitly programmed. Machine learning algorithms are trained on data, and they can then use that data to make predictions or decisions.

There are many different types of machine learning algorithms, and they can be used for a variety of tasks. Some machine learning algorithms which are covered in course include:

- Classification: This involves predicting a category for a given input. For example, a classification algorithm could be used to predict whether an email is spam or not.
- Regression: This involves predicting a numerical value for a given input. For example, a regression algorithm could be used to predict the price of a house based on its features.
- Clustering: This involves grouping similar data points together. For example, a clustering algorithm could be used to group customers together based on their purchasing habits.

TARGET AUDIENCE

Fourth and Sixth Sem students of BMSIT&M.

Registration amount : ₹ 400/-

RegistrationLink: <https://bmsitm.gnums.in>



TECHNOLOGIES USED



SCAN THE QR CODE
TO REGISTER/ PAY

COURSE SHEDULE

Sl No.	Date	Topics covered	Break	Topics covered	Break	Topics covered	Assessment/feedback
		8:30 to 10:30 am	10:30 to 10:50 am	10:50 to 12:50 pm	12:50 to 1:50 pm	2:00 to 4:00 pm	4:00 pm to 4:30 pm
1	12.06.2023	Introduction to Open Course, Python Basics	TEA BREAK	Data Structures and OOP concepts in Python	LUNCH BREAK	Class constructors in Python and the Python packages used for ML in python	Overall Feedback & Assessment
2	13.06.2023	Introduction to Machine Learning		Machine Learning Techniques		Data set construction , Introduction to Data Preprocessing	Overall Feedback & Assessment
3	14.06.2023	Data Preprocessing -I		Data Preprocessing -II		Introduction to Regression	Overall Feedback & Assessment
4	15.06.2023	Regression-(Continuation)		Classification-I		Classification-II	Overall Feedback & Assessment
5	16.06.2023	Clustering		Human In the Loop, project group formation		Project Execution, Doubts	Overall Feedback & Assessment