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**DAYS ONLINE
CERTIFICATION
COURSE**

on Introduction to

**Artificial Intelligence &
Machine Learning: Using Python**



Saturday & Sunday, 19th & 20th Jun 2021

ORGANISED BY

School of Business, Sushant University, Gurugram
&
Analytics Society of India (ASI), Bangalore

The Sushant Advantage

About Sushant University

Sushant University was established in 2012 under the Haryana Private Universities Act 2006. Located in the heart of Gurgaon, India's largest hub of National and Fortune 500 companies, it has eight schools offering programmes in Architecture, Design, Law, Management, Hospitality, Planning, Engineering and Health Sciences.

Sushant University has been awarded the National Education Excellence award "Best Private University in Northern India 2017" along with "CSR Excellence in Education" award for 2 consecutive years i.e. 2017 and 2018. The various schools under the University have carved a niche by offering contemporary programmes with renowned faculty acclaimed nationally and internationally, state-of-the-art infrastructure and facilities to promote academic excellence. The University has collaborated with some of the finest Universities and Institutions in the UK like the University of Warwick, Art University of Bournemouth, University of West England and Vatel International, France in the areas of Curriculum Development, Student and Faculty Exchanges, Joint PhD Supervisions, Joint Research Conferences, Seminars and Study Semesters Abroad.

About Sushant School of Business (SOB)

Sushant School of Business has been at the epicentre of transformational capabilities where the foundation is laid with the objective of combining traditional Indian values with dynamic global understanding of learning. It focuses on offering all-encompassing management excellence through industry driven programmes - pedagogy & curricula in tune with industry requirement & ongoing corporate interface at multiple levels. It has come a long way in redefining the typical and archaic methodologies of teaching and shaped them into more fluid and non-conservative approach to making the future leaders of the corporate and society.

The same ideology blends perfectly with the academic enhancement programmes in sync with University of Warwick and is supportive of the fact that learning in today's age needs more visual memory and on-the-job exposure through various in-built and collaborative efforts of the institution.. This makes it possible to embed Warwick University academic inputs into the Business Management programs at Sushant School of Business, Sushant University making it the first of its kind in India which brings a wider perspective to our learning and growth.

About Analytics Society of India

Analytics Society of India (ASI) Analytics Society of India is the first and largest body of analytics professionals and organisations in India. It is a national level not-for-profit organization founded in 2013 by eminent personalities from Indian Institute of Science, Bangalore (IISc) and Indian Institute of Management, Bangalore (IIMB) with an objective of promoting and propagating knowledge in the area of analytics. Various blue-chip corporate organisations, educational institutions and individuals from across the country are members of ASI. ASI provides a platform for organisations and people to come together to share their knowledge in the field of analytics. It promotes research and application in this domain. ASI regularly organizes workshops, seminars, conferences & technical talks for the benefit of professionals.

About the Program

School of Business, Sushant University, Gurugram is organizing a full two days Certification Program on "**Introduction to Artificial Intelligence and Machine Learning using Python**".

We know that with the abundance of data and computational power, there is absolutely no career and businesses that would not be affected by Artificial Intelligence. As organisations focus on data-driven decision making and automation, the adoption of new and innovative technologies is crucial. Hence, managers and decision makers must have knowledge of applications of Machine Learning and Artificial Intelligence and Analytics. So this Master Class Certification Program will share knowledge and use cases of these technologies in industries and businesses and how industries are adopting these technologies.

This two day Master Class Certificate Program brings a hands on approach to understand the concepts, processes and tools behind Artificial Intelligence and Machine Learning. It aims to bring to the participants an introduction to Machine Learning and Algorithms and know about the applications of Machine Learning in the industry and to their field of work. The participants will also be introduced to the world of python notebooks. The Program aims at bringing together industry professionals, researchers, academicians, and students who wish to learn about DATA.

Course Schedule

Inaugural Ceremony and Address on Saturday 19th June, 2021, at 9:00 am:

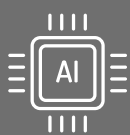
- 9:00-9:10 am Inaugural Address by Vice Chancellor, Sushant University, Dr DNS Kumar
- 9:10-9:25 am Address by Guest of Honour, Prof. U Dinesh, Professor, Data Sciences at IIM(B)
- 9:25-9:30 am Welcome address by Dean, School of Business, SU, Dr Milind.

DAY 1

DAY 2

DURATION OF THE PROGRAM		DAY 1	DAY 2
Session 1	9:30 to 11:00	Introduction to Artificial Intelligence and Machine Learning (Defintions, Applications,and Challenges)	Supervised Machine Learning Algorithm Linear Regression & Multiple Linear Regression
Session 2	11:15 to 12:45	Introductin to Machine Learning -Supervised and Unsupervised Learning/ Machine Learning Life Cycle (Data Collection, Model Design, Model Training, Model Testing, Model Deployment)	Linear and Multiple Regression Hands-on Case Study on real world data using Excel and Python. (Understanding the concept of Model creation, Model Evaluation and Model Tuning)
Session 3	1:45 to 3:15	Data Wrangling Data types and forms , Exploratory Data Analysis, Cleaning, Outliers, Missing Value Treatment (using Python and Excel)	Unsupervised Machine Learning Algorithm: Clustering -K Means Clustering (the logic of Clustering algorithms and their application in real life)
Session 4	3:30 to 5:00	Visualisationa and Exploratory Data Analysis Hands-on Case Study on real world data using Python and Excel	K Means Clustering Hands on Case study on K Means Clustering Alogrithm (Concept of implementing Unsuprevised Learning Machine learning models and their evaluation and tuning)

WHAT AND HOW WILL YOU LEARN



You will learn to explore what are the real life applications of AI and ML



You will learn to play with data using python, even though you may have never done any coding.



You will understand how real life Algorithms work and their fundamental role in Machine Learning.



You will learn by doing and hands on real life case studies

KEY-NOTE SESSION BY



Prof. U Dinesh Kumar

Profile: <https://www.iimb.ac.in/user/70/u-dinesh-kumar>

U Dinesh Kumar is a Professor in Decision Sciences Area and also the Chair of DCAL at Indian Institute of Management, Bangalore (IIMB). Dinesh Kumar holds a Ph.D. in Mathematics from IIT Bombay and has over two decades of teaching and consulting experience. He has been recognized as one of the Top 10 most prominent analytics academicians in India for his extensive research in big data analytics. Dr Dinesh Kumar has spearheaded the analytics education industry in India. IIMB was one of the first education institute in the country to offer a regular long-term certification program on Business Analytics & Intelligence (BAI) in the year 2010. He is also the Chair of MBA (Business Analytics) program being offered by IIMB. Professor Kumar regularly conducts corporate training programme in Analytics and has trained many professionals in the field of analytics in the last 15 years. He has published more than thirty five case studies on Business Analytics and Machine Learning Algorithms based on Indian and multinational organizations at Harvard Business Publishing. He has authored 4 books and his book titled “Business Analytics – The Science of Data Driven Decision Making” has been recommended by All India Council for Technical Education (AICTE). His recent book “Machine Learning using Python” is a best seller on Amazon.

FACULTY PROFILE



Dr Jyoti Ahluwalia

Profile: <http://www.linkedin.com/in/jyoti-ahluwalia-439566170>

Dr Jyoti Ahluwalia is working as an Associate Professor of Data Analytics and Machine Learning at Sushant University, Gurgaon. She has over twenty years of work experience and has worked on various assignments in research, analytics and consulting. She has been teaching Analytics and Machine Learning for 5 years and has trained more than 1000 persons from several large MNCs including TCS, Tata Motors, KPMG and Goldman Sachs.

Dr Jyoti has more than eight years of corporate experience of working in Actuarial and Consulting firms dealing in Big Data, Insurance and Financial Consulting and Modelling. She worked for five years in Milliman, a US based Actuarial and Consulting firm and at Corporate Executive Board, a best practice firm and a Gartner Company now. In these assignments, she worked on consulting projects that required management of large sets of data to answer business and research problems and worked with and lead various international teams. In her teaching role, Dr Jyoti has taught finance and analytics at IBS Gurgaon where she also led the institute as an Associate Dean. She has been teaching analytics and data science courses at Gurugram University and at Great Learning (Great Lakes) for their executive learning courses. She has taught Financial Risk Analytics, Credit Risk Analytics, Fraud Analytics, Time Series Forecasting and Prediction, Exploratory Data Analytics and Statistical Methods for Data Science and Machine Learning courses. She has been working as a Mentor to students of University of Texas Austin and Great Learning collaborative Machine Learning and Artificial Intelligence Post Graduate Program. Her academic endeavours include B.Com., M.Com., PhD (Finance), Chartered Financial Analyst (CFA), MBA (Finance & IT) and six actuarial papers and is a former member of the Actuaries Society of India. Dr Jyoti has published several research articles in leading academic journals, written several case studies and contributed chapters to books. She is a lifelong learner and is passionate about use of technology and about areas where finance and technology meet.

WHO SHOULD ATTEND

This program is for Industry professionals, academicians, researchers and students, who want to demystify what does Artificial Intelligence and Machine Learning mean and how to enter the world of DATA. This Program aims to bring together participants who wish to upgrade their skills about Artificial Intelligence and Machine Learning and what to start on journey of Learning in this field.

Sushant University
Erstwhile Ansal University Gurugram

School of Business

CERTIFICATE OF PARTICIPATION

MANAGEMENT DEVELOPMENT PROGRAMME ON
Introduction to Machine Learning and Artificial Intelligence using Python

This is to certify that

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of

attended the MDP on “**Introduction to Machine Learning and Artificial Intelligence using Python**” organized by School of Business, Sushant University, Gurgaon, held on June 19th and 20th, 2021.

Dr Jyoti Ahluwalia
Program Coordinator

Dr. Milnd
Dean (SOB)

Sushant University, Sector 55, Golf Course Road, Gurgaon, Haryana. www.sushantuniversity.edu.in

Early Bird Registration:

June 10, 2021

Last Date of Registration:

June 15, 2021

Date of Program:

Saturday & Sunday, 19th & 20th June 2021

To register for the Program and for filling in the Fee submission details,
please update the following Google Form:
<https://forms.gle/odZjoeSU61tnDfzP8>



FEE & REGISTRATION DETAILS

Registration Fee for the program is **Rs 12,000/-** (including GST) for Indian nationals and **US\$150** all inclusive, for International Student. The fee covers training material & certificate. A discount of **20%** on the Programme fees can be availed by an organization if it nominates at least 3 participants for a particular MDP.

Please Note: The registration amount can directly be deposited in the Bank as per the following details.

Bank Name: Yes Bank Ltd

Address: Fortune Global Arcade, Sikanderpur, Mehrauli Road, Gurgaon-122002

Account No. 000294600000063

IFS Code: YESB0000002

MICR Code: 110532003

Swift Code: SWIFT Code Yes Bank

International participants can also remit in US dollars through swift transfer

** SU reserves the right to change the Faculty/ Dates of the programme/ Venue and Corresponding Fees.

CONTACT DETAILS

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