Type of Course : Value Added Course		
Course Code: VACA203	**Title:** Machine Learning with Python	**Duration: 40hrs**
Course offered to- BCA 2nd year, B.Sc. (H) CS 2nd year	**Course Coordinator: Ms. Shivangi Ghildiyal**	
Course Overview	This VAC(Value Added Course) is offered by the **Faculty of Computer Applications**. It has 8 modules to complete this course, upon completion you will be awarded a Certificate. In this value added course you will learn technologies like Python and ML algorithms. This course is for all the students studying in the Faculty of Computer Applications. The following are the details.	
Course Prerequisites	Interest to learn ,Laptop, Understanding of Basic Programming Concept of any language and Mathematics (Linear Algebra, Probability and statistics).	
Objectives	• To setup the environment to run the python programs • To Understand the essential concepts of Python programming • To understand concepts about Data Types and Looping statements • To learn the fundamentals of Machine Learning. • To understand basic component of an intelligence system. • To explore applications of machine learning. • To understand different types of machine learning algorithms and tools. • To learn how to use machine learning model to solve real world problem.	
Course Outcome	• List various approaches of Machine Learning. • Master machine learning on python • Use Machine learning for personal use • Describe machine learning algorithms to solve the real-world problems. • Develop machine learning models. • Classify data using Logistic regression • Identify appropriate models for solving machine learning problems. • Apply learning techniques to solve real world machine learning problems. • Evaluate and interpret the results of the algorithms.	

Module No.	Module Title	No. of hours (per module)
Module I	**Introduction**	**2**
Introduction to Python, Setting up the environment, Installing Python with an Anaconda, Running python program, Python's execution model, Demo on python IDEs and code editors (Jupyter Notebook, Visual studio code) Keywords, Identifiers, Simple Program to display Hello world in Python.		
Module II	**Working with variables to manage the data**	**4**
Rules to declare variables, Built-in Data Types: Numbers, Boolean, Immutable sequences, Mutable sequences, Set types, Mapping types – dictionaries and its operations, List and its operations, Tuples and its operations, Operators and its type in Python.		
Module III	**Decision making and flow control**	**3**
Iterating and Making Decisions: Conditional programming: if, if -else, if elif else, Looping statement in python : for and while, Nesting of loops, Jump statements : break, flow chart of break statement, continue, flow chart of continue statement and pass keyword.		

Module IV	Functions in Python	4
Functions, the building blocks of code: Use of functions, Scopes and name resolution, Input parameters, Return values, Recursive functions, Anonymous functions: lambda function, use of lambda function along with built in functions like filter(), map() and reduce().		
Module V	Python Libraries required for Machine Learning	8
Numpy: key operations using numpy, Pandas: key operations on Data Frames, Matplotlib: Visualizing data, creating graphs, Introduction to scikit-learn		
Module VI	Introduction to Machine Learning	3
Introduction and history of Machine Learning, Overlap between Data Science, Machine Learning and AI, Applications of Data Science in day to day life & Machine Learning in the modern context.		
Module VII	Supervised Learning and Linear Regression	8
Difference between supervised, unsupervised and semi-supervised learning and Reinforcement learning, Linear Regression, Loss function, Method of gradient descent		
Module VIII	Classification and Logistic Regression	8
Introduction to classification problems and Types of classification - Binary Classification, Multi-Class Classification, Logistic Regression		
Text Books	1. Introduction to Machine Learning with Python: A Guide for Data Scientists, Andreas C. Müller and Sarah Guido, O'Reilly, 2016.	
Reference Books	1.Python Cookbook, 3rd Edition by David Beazley (Author), Brian K. Jones (Author)	
Mode of Evaluation	Quizzes, Class Test	

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02 Nov 2020

CIRCULAR

VALUE ADDED COURSE (Machine Learning with Python)- BCA , B.Sc.(H)CS

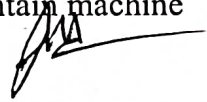Students of BCA and B.Sc.(H) CS 2nd year are hereby informed that value added course "Machine Learning with Python" is scheduled from 18th November 2020 in your respective classroom, Academic Block-III.

Schedule:

- Time Slot: 03:00 PM to 05:00 PM
- Key Speaker: Ms.Shivangi Ghildiyal
- Duration: 2 hrs

Program Overview:

The objective of this course is to develop python skills of students who are ready to deal with complexities in the computing world and are able to maintain machine learning skills as per the requirement.

Head
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Faculty of Computer Applicatio.
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Mr. Jitendra Choudhary

(HOD)

Faculty of Computer Applications
Invertis University, Bareilly

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MACHINE LEARNING WITH PYTHON

Organised By:

FACULTY OF COMPUTER APPLICATIONS

Head
Department of Computer Applications
Faculty of Computer Applications
University, Bareilly (UP)

HOD:
Mr. Jitendra Choudhary

Speaker:
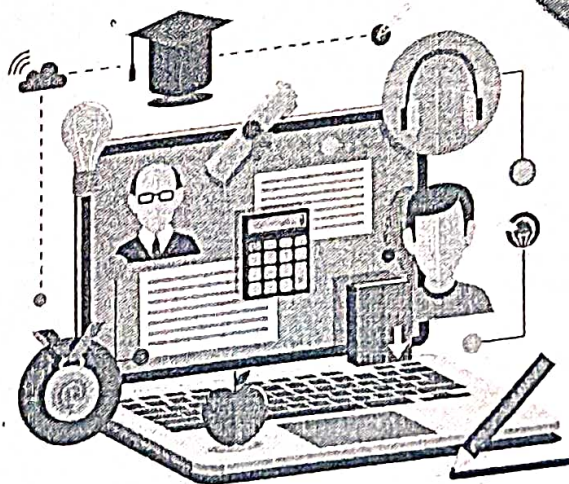Ms. Shivangi Ghildiyal

DATE
18 Nov- 16 Dec 2020

TIME
03 PM TO 05 PM

COURSE OVERVIEW

This course's goal is to teach you machine learning ML algorithms and how to utilise them with scikit-learn, pandas, and other Python tools. Graphs and plots can be made using the Matplotlib library to visualise real-world data.

HOD
MR. JITENDRA CHOUDHARY

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

SPEAKER
MS. SHIVANGI GHILDIYAL

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Value Added Course
Course - Machine Learning with Python
Course Code - VACA203
Duration - 40 hrs

S.No	Name	Course	Student ID	Year	Nov 18	19	20	23	24	25	26	27	Dec 1	2	3	4	7	8	9	10	11	14	15	16
1	VISHAL KUMAR SAINI	BCA	BC2017155	2020-21	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
2	RITIK SAXENA	BCA	BC2018073	2020-21	P	P	P	P	P	A	P	A	P	P	P	P	A	P	P	P	P	P	P	P
3	GURPREET KAUR	BCA	BC2018025	2020-21	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P
4	MAHAK GUPTA	BCA	BC2018032	2020-21	P	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	A	P
5	DEEPAK SAXENA	BCA	BC2018037	2020-21	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
6	AREEB AHMAD	BCA	BC2018038	2020-21	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	A	P	P	P	A
7	LOV DUBEY	BCA	BC2018048	2020-21	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	A
8	ADITYA VARSHNEY	BCA	BC2018055	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	AKASH PAL	BCA	BC2018066	2020-21	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
10	KESHAV SINGH	BCA	BC2018068	2020-21	P	P	P	P	A	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P
11	KM AYUSHI SINGH	BCA	BC2018069	2020-21	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A
12	GAURAV RATHAUR	BCA	BC2018026	2020-21	A	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	A	P
13	AYUSHI TRIPATHI	BCA	BC2018044	2020-21	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
14	AMAN KUMAR	BCA	BC2018096	2020-21	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
15	AMIT KUMAR GANGWAR	BCA	BC2018045	2020-21	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P
16	ANKIT KUMAR MISHRA	BCA	BCSS2018012	2020-21	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P
17	GAURI RASTOGI	BCA	BPM2018001	2020-21	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P
18	ANITA YADAV	BCA	BSCA2018007	2020-21	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P
19	AJAY BHARDWAJ	BCA	LDEE2018008	2020-21	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	AMAN KUMAR	BCA	LDMP2018008	2020-21	A	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
21	ADITYA KUMAR	BCA	BC2018027	2020-21	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
22	ADITYA PANT	BCA	BC2018070	2020-21	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	A
23	ESHANT VERMA	BCA	BC2018074	2020-21	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P
24	ANIL KUMAR	BCA	BC2018085	2020-21	P	P	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P
25	DEVESH RAGHUVANSHI	BCA	BC2018089	2020-21	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
26	MOHD AFFAN FAROOQUI	BCA	BC2018095	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	AJAY KUMAR	BCA	BC2018103	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
28	ANUBHAV KHARE	BCA	BC2018104	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	AKASH VERMA	BCA	BC2018109	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P
30	AKASH SAHAI	BCA	BC2018057	2020-21	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P	A	P	P	P	A
31	DEEPU GUPTA	BCA	BC2018067	2020-21	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	A	P	A
32	ABHISHEK SHARMA	BCA	BC2018086	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
33	APEKSHA VERMA	BCA	BC2018128	2020-21	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P
34	MANAV SHARMA	BCA	BC2018129	2020-21	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
35	PRAVEEN	BCA	BC2018131	2020-21	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
36	MOHD TASHIF	BCA	BC2018132	2020-21	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P

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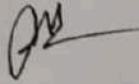| #	Name	Course	Roll No	Session																							
37	SONI SAXENA	BCA	BC2018134	2020-21	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
38	PRAGAYA SAXENA	BCA	BC2018138	2020-21	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	A	P	P
39	ANMOL DIXIT	BCA	BC2018084	2020-21	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P
40	AKSHI VISHNOI	BCA	BC2018120	2020-21	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P
41	AJAY	BCA	BC2018127	2020-21	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	ANKUR KUMAR SINGH	BCA	BC2018098	2020-21	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P
43	AKSHAT SAXENA	BCA	BC2018108	2020-21	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
44	KM NIDHI SAXENA	BCA	BC2018152	2020-21	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
45	ANIKET SINGH	BCA	BC2018118	2020-21	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	A	P	P	A
46	DIVYANSHU SHUKLA	BCA	BC2018119	2020-21	A	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P
47	ARSHAD ANSARI	BCA	BC2018123	2020-21	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P
48	AASIM AHMAD	BCA	BC2018126	2020-21	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
49	ABHINAV SINGH	BCA	BC2018142	2020-21	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
50	NITESH KUMAR	BCA	BC2018147	2020-21	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
51	AISHWARYA GUPTA	BCA	BCSS2018001	2020-21	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P
52	HARSH SAXENA	BCA	BC2018001	2020-21	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P
53	MOHAMMAD FIROJ	BCA	BC2018149	2020-21	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
54	GARGI GUPTA	BCA	BB2018050	2020-21	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
55	VIKAS KUMAR GANGWAR	BCA	BC2018011	2020-21	P	A	P	P	P	P	P	A	P	A	P	P	A	P	P	P	P	P	P	P
56	UVAIS SAIFI	BCA	BC2018012	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
57	SHIVANG SHARMA	BCA	BC2018013	2020-21	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
58	SURAJ RAWAT	BCA	BC2018018	2020-21	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
59	ADISHWAR SHARMA	BCA	BC2017126	2020-21	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P
60	MUNENDRA PAL	BCA	BC2018005	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P
61	SAKSHI GUPTA	BCA	BC2018016	2020-21	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
62	PRANJAL SRIVASTAVA	BCA	BC2018017	2020-21	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P
63	SARANSH BHARDWAJ	BCA	BC2018021	2020-21	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
64	SYED AREEB RAZA	BCA	BC2018028	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
65	PANKAJ KUMAR	BCA	BC2018034	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
66	SHAURYA PRATAP SINGH	BCA	BC2018035	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
67	SUDARSHAN PANDEY	BCA	BC2018020	2020-21	P	P	P	P	A	P	P	P	P	P	P	P	A	P	A	P	P	P	P	A
68	SYED MOHD ZAID	BCA	BC2018031	2020-21	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
69	OMESH RATHOUR	BCA	BC2018036	2020-21	P	A	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P
70	SHIVAM KUMAR VERMA	BCA	BC2018041	2020-21	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	A	P	P
71	SHANTANU ARORA	BCA	BC2018049	2020-21	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
72	PRANAV KATIYAR	BCA	BC2018050	2020-21	P	P	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
73	KM PRIYA SHARMA	BCA	BC2018052	2020-21	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
74	RITIK KUMAR SAXENA	BCA	BC2018054	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
75	RASHI GUPTA	BCA	BC2018071	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
76	TAPASVI MISHRA	BCA	BC2018024	2020-21	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P

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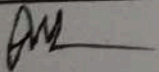Invertis University, Bareilly (UP)

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#	Name		Roll No.	Year																				
77	PRATEEK SAXENA	BCA	BC2018030	2020-21	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P
78	ROHIT GUPTA	BCA	BC2018040	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
79	SHUBHAM GUPTA	BCA	BC2018042	2020-21	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P
80	MOHD OSAMA	BCA	BC2018056	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
81	VAISHNAVI KHANDELWAL	BCA	BC2018058	2020-21	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P
82	SHAIFALI RASTOGI	BCA	BC2018061	2020-21	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P
83	SHIVAM SINGH	BCA	BC2018064	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
84	VINAY KUMAR	BCA	BC2018076	2020-21	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P
85	SUMIT PATEL	BCA	BC2018072	2020-21	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
86	SHUBHAM SAGAR	BCA	BC2018081	2020-21	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	A	P	P
87	RACHIT SHUKLA	BCA	BC2018082	2020-21	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
88	SONU KUMAR	BCA	BC2018088	2020-21	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A
89	PARAS VERMA	BCA	BC2018102	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
90	RANJOD SINGH	BCA	BC2018105	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
91	WAHID YAR KHAN	BCA	BC2018111	2020-21	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P
92	RUCHI SAHAI	BCA	BC2018116	2020-21	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
93	RAM KANT DIXIT	BCA	BC2018124	2020-21	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
94	SACHIN SHAKYA	BCA	BC2018077	2020-21	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
95	NAKSHATRA DEEP GANGWAR	BCA	BC2018090	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
96	SHUBHAM PRAKASH TOMAR	BCA	BC2018137	2020-21	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	A
97	URUJ FATIMA	BCA	BC2018141	2020-21	P	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	A
98	KM ANSHIKA GUPTA	BCA	BC2018146	2020-21	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	A	P	P
99	VATSAL ACHARYA	BCA	BC2018051	2020-21	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
100	VIVEK KUMAR	BCA	BCS2018076	2020-21	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
101	SHIVANK SHARMA	BCA	BC2018078	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
102	VIRENDER SINGH	BCA	BC2018083	2020-21	P	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	A	P
103	SANJAY MOSHAL	BCA	BC2018087	2020-21	P	P	P	P	P	P	P	P	A	P	A	P	P	P	P	A	P	P	P
104	VAISHNAVI GUPTA	BCA	BC2018094	2020-21	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
105	NIDHI DIXIT	BCA	BC2018101	2020-21	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
106	ROHIT TYAGI	BCA	BC2018106	2020-21	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
107	SURAJ KUMAR	BCA	BC2018107	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
108	TAUHID RAZA	BCA	BC2018112	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
109	ABHINAY SSAXENA	BCA	BC2018133	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
110	KARTIK PRATAP SINGH	BCA	BC2018153	2020-21	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P
111	ABHINAV KANNOJIA	BCA	BC2018002	2020-21	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
112	AJAYPAL SINGH	BCA	BC2018004	2020-21	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
113	MOHD ARSHAN IDREESI	BCA	BC2018019	2020-21	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
114	ABHISHEK KUMAR	BCA	BC2018022	2020-21	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
115	ANIKET SAXENA	BCA	BC2018029	2020-21	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
116	DHEERENDRA YADUVANSHI	BCA	BC2018039	2021-22	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P

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No.	Name	Course	Roll No.	Session																					
117	ANAND SINGH	BCA	BC2018053	2020-21	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P
118	MEENAL VARSHNEY	BCA	BC2018063	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
119	KAVISH ARORA	BCA	BC2018091	2020-21	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
120	ANAYAH FATIMA	BCA	BC2018099	2020-21	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A
121	ARPIT GUPTA	BCA	BC2018110	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
122	ARJUN SINGH	BCA	BC2018122	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
123	BHAVESH SINGH	BCA	BC2018125	2020-21	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
124	ANAM KHAN	BCA	BC2018007	2020-21	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
125	DIWAKAR GUPTA	BCA	BC2018009	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
126	SHRAYANSH BHARDWAJ	BCA	BC2018135	2020-21	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P
127	JAY KUMAR CHATURVEDI	BCA	BC2018136	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
128	SURAJ SINGH	BCA	BC2018139	2020-21	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A
129	SONU	BCA	BC2018047	2020-21	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
130	SHUBHAM SAXENA	BCA	BC2018143	2020-21	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P
131	YASH GAHLOT	BCA	BC2018145	2020-21	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
132	ZAMIN HUSSAIN	BCA	BC2018150	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
133	VEDANSH KALYAN CHADDHA	BCA	BC2018151	2020-21	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
134	YASH KHURANA	BCA	BC2018046	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
135	VISHAL SHARMA	BCA	BCSS2018013	2020-21	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
	No. of Students Present				121	121	121	135	120	122	121	120	122	123	122	124	122	124	123	122	122	123	122	124

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Value Added Course
Course - Machine Learning with Python
Course Code - VACA203
Duration - 40 hrs

S.No	Name	Course	Student ID	Year	Nov 18	19	20	23	24	25	26	27	Dec 1	2	3	4	7	8	9	10	11	14	15	16
1	SHIV OM GUPTA	B.Sc(H)CS	BCSS2018016	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	RAKESH NAGILA	B.Sc(H)CS	BCSS2018021	2020-21	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A
3	SHASHANK SAXENA	B.Sc(H)CS	BCSS2018009	2020-21	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
4	AASTHA BAJPAI	B.Sc(H)CS	BCSS2018020	2020-21	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
5	MOHD TARIQ RAZA	B.Sc(H)CS	BCSS2018026	2020-21	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
6	MONIKA SINGH	B.Sc(H)CS	BCSS2018030	2020-21	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P
7	LAKSHMI MAURYA	B.Sc(H)CS	BCSS2018032	2020-21	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P
8	KM ANSHIKA KANCHAN	B.Sc(H)CS	BCSS2018034	2020-21	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P
9	SURBHI SINGH	B.Sc(H)CS	BCSS2018035	2020-21	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A
10	KM PANKHURI GUPTA	B.Sc(H)CS	BCSS2018010	2020-21	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P
11	PAKHI GUPTA	B.Sc(H)CS	BCSS2018023	2020-21	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P
12	FAIZAN RASOOL	B.Sc(H)CS	BCSS2018025	2020-21	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P
13	MUSTAFA ISRAR	B.Sc(H)CS	BCSS2018028	2020-21	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	
14	KAMAL GANGWAR	B.Sc(H)CS	BCSS2018031	2020-21	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
15	RAMANDEEP KAUR	B.Sc(H)CS	BSRA2018032	2020-21	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
16	JITIN KUMAR SINGH	B.Sc(H)CS	BCSS2018003	2020-21	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	A
17	SANJEEV KUMAR	B.Sc(H)CS	BCSS2018004	2020-21	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
18	MANEE SEJWAR	B.Sc(H)CS	BCSS2018005	2020-21	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
19	SONAM GANDHI	B.Sc(H)CS	BCSS2018006	2020-21	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P
20	ANUJ SRIVASTAVA	B.Sc(H)CS	BCSS2018007	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
21	SHIVAM TRIVEDI	B.Sc(H)CS	BCSS2018008	2020-21	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
22	SURAJ SINGH	B.Sc(H)CS	BCSS2018014	2020-21	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
23	VAIBHAV PARASHAR	B.Sc(H)CS	BCSS2018017	2020-21	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P
24	SHIVANI MAURYA	B.Sc(H)CS	BCSS2018018	2020-21	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P
25	JEESHAN ALI	B.Sc(H)CS	BCSS2018024	2020-21	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P
26	AADIL KHAN	B.Sc(H)CS	BCSS2018027	2020-21	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
27	ABHISHEK VERMA	B.Sc(H)CS	BCSS2018029	2020-21	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A
28	GAURAV SINGH	B.Sc(H)CS	BCSS2018033	2020-21	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P
29	SARANSH MISHRA	B.Sc(H)CS	BCSS2018037	2020-21	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
30	KUSHAGRA VAISH	B.Sc(H)CS	BCSS2018039	2020-21	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P
31	HASSAN MOHD ANSARI	B.Sc(H)CS	BCSS2018040	2020-21	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
32	PARTH RAJ SINGH DEOPA	B.Sc(H)CS	BCSS2018002	2020-21	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P
33	AAZAD HUSAIN	B.Sc(H)CS	BCSS2018011	2020-21	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
34	SUSHEEL PRAJAPATI	B.Sc(H)CS	BCSS2018022	2020-21	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P
35	RISHAV MISHRA	B.Sc(H)CS	BCSS2018038	2020-21	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P
36	SHEKHAR TRIVEDI	B.Sc(H)CS	BCSS2018042	2020-21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A

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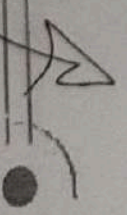Bareilly

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#	Name	Course	Roll No	Year																				
37	AJAY DUBEY	B.Sc(H)CS	BSRA2018003	2020-21	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P
38	AKSHAY CHAUHAN	B.Sc(H)CS	BCSS2018036	2020-21	A	P	A	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	A P
39	CHHAYA GANGWAR	B.Sc(H)CS	BCSS2018019	2020-21	P	A	P	P	P	P	A	P	P	P	P A	P	P	P	P	A	P	P
40	LATA MISHRA	B.Sc(H)CS	BCSS2018041	2020-21	P	P	P	P	P	A	P	P	P A	P	P	P A	P	P	P	P	A	P	P
41	RAJDEEP KAUR	B.Sc(H)CS	BSRA2018033	2020-21	P	P	A	P	A	P	P	A	P	P	P	P	A	P	P	P	P	P	P

No. of Students Present: 37 37 36 37 25 36 36 36 36 36 36 35 36 36 35 28 37 36 26 36

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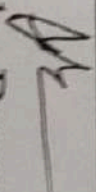
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___VISHAL KUMAR SAINI___

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course ___

___MACHINE LEARNING WITH PYTHON___

offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020- 16 December 2020___

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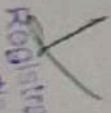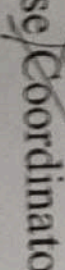Invertis University, Bareilly (UP)

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This Certificate is awarded to Mr./Ms. _____ RITIK SAXENA _____

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This Certificate is awarded to Mr./Ms. **GURPREET KAUR**

of Program __BCA__ Year/Semester __III SEMESTER__

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This Certificate is awarded to Mr./Ms. **MAHAK GUPTA**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course

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This Certificate is awarded to Mr./Ms. _____ DEEPAK SAXENA _____

of Program ___ BCA ___ Year/Semester ___ III SEMESTER ___

for successfully completing a value added course _____

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CERTIFICATE OF VALUE-ADDED COURSE

This Certificate is awarded to Mr./Ms. __AREEB AHMAD__

of Program __BCA__ Year/Semester __III SEMESTER__

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This Certificate is awarded to Mr./Ms. _____ **LOV DUBEY** _____

of Program _____ **BCA** _____ Year/Semester _____ **III SEMESTER** _____

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON _____

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This Certificate is awarded to Mr./Ms. _____ **ADITYA VARSHNEY** _____

of Program ___ **BCA** ___ Year/Semester ___ **III SEMESTER** ___

for successfully completing a value added course _____

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during _____ **18 November 2020- 16 December 2020** _____

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___AKASH PAL___

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course

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offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020- 16 December 2020___

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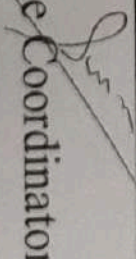Invertis University, Bareilly (UP)

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This Certificate is awarded to Mr./Ms. _____ KESHAV SINGH _____

of Program _____ BCA _____ Year/Semester _____ III SEMESTER _____

for successfully completing a value added course _____

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This Certificate is awarded to Mr./Ms. **KM AYUSHI SINGH**
of Program **BCA** Year/Semester **III SEMESTER**
for successfully completing a value added course
MACHINE LEARNING WITH PYTHON
offered by Department of **COMPUTER APPLICATIONS**
during **18 November 2020- 16 December 2020**

Course Coordinator

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___ GAURAV RATHAUR ___

of Program ___ BCA ___ Year/Semester ___ III SEMESTER ___

for successfully completing a value added course

___ MACHINE LEARNING WITH PYTHON ___

offered by Department of ___ COMPUTER APPLICATIONS ___

during ___ 18 November 2020- 16 December 2020 ___

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
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Invertis University
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Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___AYUSHI TRIPATHI___

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course

___MACHINE LEARNING WITH PYTHON___

offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020 - 16 December 2020___

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
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Course Coordinator

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **AMAN KUMAR**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Course Coordinator

Registrar
Invertis University
Bareilly

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___AMIT KUMAR GANGWAR___

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course

___MACHINE LEARNING WITH PYTHON___

offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020 - 16 December 2020___

Head of the Department

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Department of Computer Applications
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ____ANKIT KUMAR MISHRA____

of Program ____BCA____ Year/Semester ____III SEMESTER____

for successfully completing a value added course ____

MACHINE LEARNING WITH PYTHON

offered by Department of ____COMPUTER APPLICATIONS____

during ____18 November 2020- 16 December 2020____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ **GAURI RASTOGI** _____

of Program _____ **BCA** _____ Year/Semester _____ **III SEMESTER** _____

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON _____

offered by Department of _____ **COMPUTER APPLICATIONS** _____

during _____ **18 November 2020- 16 December 2020** _____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Course Coordinator

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Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___ANITA YADAV___

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course

___MACHINE LEARNING WITH PYTHON___

offered by Department of ___COMPUTER APPLICATIONS___

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Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___AJAY BHARDWAJ___

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course

___MACHINE LEARNING WITH PYTHON___

offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020- 16 December 2020___

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Department of Computer Applications
Faculty of Computer Applications
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Invertis University
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ **AMAN KUMAR** _____

of Program __**BCA**__ Year/Semester __**III SEMESTER**__

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__**MACHINE LEARNING WITH PYTHON**__

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Head of the Department

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Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean-Academics
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Invertis University, Bareilly (UP)

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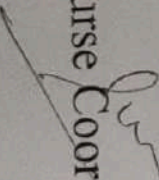UNIVERSITY BAREILLY

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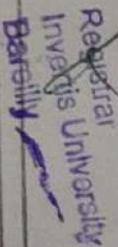
CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __ADITYA KUMAR__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Head of the Department

Course Coordinator

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ **ADITYA PANT** _____

of Program ___ **BCA** ___ Year/Semester ___ **III SEMESTER** ___

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON _____

offered by Department of ___ **COMPUTER APPLICATIONS** ___

during ___ **18 November 2020- 16 December 2020** ___

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Course Coordinator

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Bareilly

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Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ ESHANT VERMA _____

of Program _____ BCA _____ Year/Semester _____ III SEMESTER _____

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of _____ COMPUTER APPLICATIONS _____

during _____ 18 November 2020 - 16 December 2020 _____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
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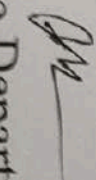UNIVERSITY BAREILLY

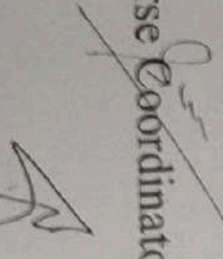# INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **ANIL KUMAR**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ DEVESH RAGHUVANSHI _____

of Program ___ BCA ___ Year/Semester ___ III SEMESTER ___

for successfully completing a value added course

___ MACHINE LEARNING WITH PYTHON ___

offered by Department of ___ COMPUTER APPLICATIONS ___

during ___ 18 November 2020- 16 December 2020 ___

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ____MOHD AFFAN FAROOQUI____

of Program ____BCA____ Year/Semester ____III SEMESTER____

for successfully completing a value added course _____

____MACHINE LEARNING WITH PYTHON____

offered by Department of ____COMPUTER APPLICATIONS____

during _____ ____18 November 2020- 16 December 2020____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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Course Coordinator
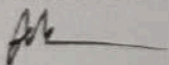
Dean Academics
Faculty of Computer Applications
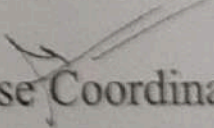Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___AJAY KUMAR___

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course

___MACHINE LEARNING WITH PYTHON___

offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020- 16 December 2020___

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP) +
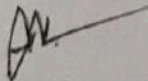
Registrar
Invertis University
Bareilly

Course Coordinator

Faculty of Computer Applications
Invertis University, Bareilly

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___ ANUBHAV KHARE ___

of Program ___ BCA ___ Year/Semester ___ III SEMESTER ___

for successfully completing a value added course ___

MACHINE LEARNING WITH PYTHON

offered by Department of ___ COMPUTER APPLICATIONS ___

during ___ 18 November 2020- 16 December 2020 ___

Head of the Department

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Faculty of Computer Applications
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Registrar
Invertis University
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Course Coordinator

Dean Academics
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Invertis University, Bareilly (UP)
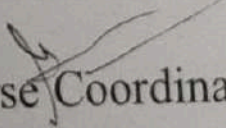
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **AKASH VERMA**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
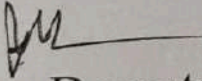**Invertis University**
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
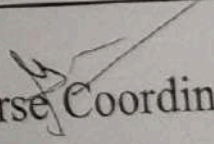Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ **AKASH SAHAI** _____

of Program _____ **BCA** _____ Year/Semester _____ **III SEMESTER** _____

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON

offered by Department of _____ **COMPUTER APPLICATIONS** _____

during _____ **18 November 2020- 16 December 2020** _____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Course Coordinator

Registrar
Invertis University
Bareilly

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Faculty of Computer Applications
Invertis University, Bareilly (UP)

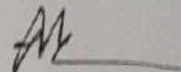# INVERTIS UNIVERSITY

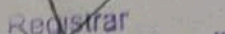## CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ DEEPU GUPTA _____

of Program _____ BCA _____ Year/Semester _____ III SEMESTER _____

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON _____

offered by Department of _____ COMPUTER APPLICATIONS _____

during _____ 18 November 2020- 16 December 2020 _____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Course Coordinator

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __ABHISHEK SHARMA__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

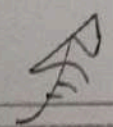# INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___APEKSHA VERMA___

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course

___MACHINE LEARNING WITH PYTHON___

offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020- 16 December 2020___

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
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Course Coordinator

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ MANAV SHARMA _____

of Program _____ BCA _____ Year/Semester _____ III SEMESTER _____

for successfully - completing a value added course _____

MACHINE LEARNING WITH PYTHON _____

offered by Department of _____ COMPUTER APPLICATIONS _____

during _____ 18 November 2020 - 16 December 2020 _____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
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Registrar
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Course Coordinator

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Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ PRAVEEN _____

of Program ___ BCA ___ Year/Semester ___ III SEMESTER ___

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON

offered by Department of ___ COMPUTER APPLICATIONS ___

during _____ 18 November 2020- 16 December 2020 _____

Head of the Department

Course Coordinator

Head
Department of Computer Applications
Faculty of Computer Applications
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Invertis University
Bareilly

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **MOHD TASHIF**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

Head of the Department

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Department of Computer Applications
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Registrar
Invertis University
Bareilly

Course Coordinator

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to. Mr./Ms. **SONI SAXENA**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020 - 16 December 2020**

Head of the Department

Head
Department of Computer Applications
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Invertis University, Bareilly (UP)

Registrar
Invertis University
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Course Coordinator

Dean Academics
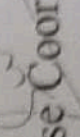Faculty of Computer Applications
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ PRAGAYA SAXENA

of Program _____ BCA _____ Year/Semester _____ III SEMESTER

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of _____ COMPUTER APPLICATIONS

during _____ 18 November 2020- 16 December 2020

Head of the Department

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Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academic
Faculty of Computer Applications

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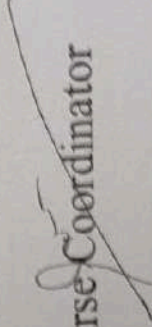# INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___ANMOL DIXIT___

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course

___MACHINE LEARNING WITH PYTHON___

offered by Department of ___COMPUTER APPLICATIONS___

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Head of the Department

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Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ **AKSHI VISHNOI**

of Program _____ **BCA** _____ Year/Semester _____ **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of _____ **COMPUTER APPLICATIONS**

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Head of the Department

Head
Department of Computer Applications
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Invertis University, Bareilly (UP)

Registrar
Invertis University
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Course Coordinator

Dean Academics
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Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __AJAY__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
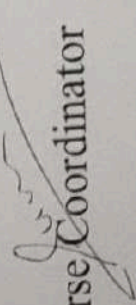Faculty of Computer Applications
Invertis University, Bareilly (UP)

INVERTIS UNIVERSITY

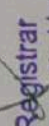## CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___ANKUR KUMAR SINGH___

of Program ___BCA___ Year/Semester ___III SEMESTER___

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___MACHINE LEARNING WITH PYTHON___

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ **AKSHAT SAXENA** _____

of Program _____ **BCA** _____ Year/Semester _____ **III SEMESTER** _____

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MACHINE LEARNING WITH PYTHON _____

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Course Coordinator

Registrar
Invertis University
Bareilly

Dean Academics
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __KM NIDHI SAXENA__

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__MACHINE LEARNING WITH PYTHON__

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during __18 November 2020- 16 December 2020__

Head of the Department

Course Coordinator

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Dean Academics
Faculty of Computer Applications
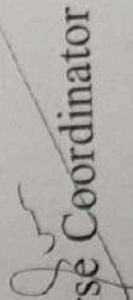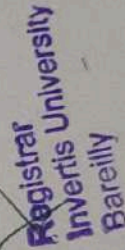Invertis University, Bareilly (UP)

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UNIVERSITY BAREILLY

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __ANIKET SINGH__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__
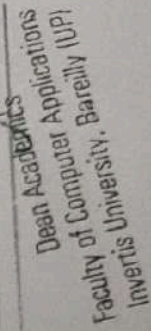
Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean-Academics
Faculty of Computer Applications
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UNIVERSITY BAREILLY

INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ **DIVYANSHU SHUKLA** _____

of Program _____ **BCA** _____ Year/Semester _____ **III SEMESTER** _____

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON _____

offered by Department of _____ **COMPUTER APPLICATIONS** _____

during _____ **18 November 2020- 16 December 2020** _____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

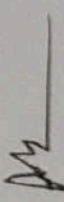Course Coordinator

Registrar
Invertis University
Bareilly

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

INVERTIS
UNIVERSITY BAREILLY

This Certificate is awarded to Mr./Ms. _____ ARSHAD ANSARI _____

of Program _____ BCA _____ Year/Semester _____ III SEMESTER _____

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON

offered by Department of _____ COMPUTER APPLICATIONS _____

during _____ 18 November 2020 - 16 December 2020 _____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
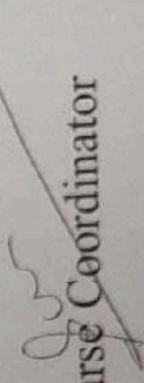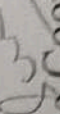Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___**AASIM AHMAD**___

of Program ___**BCA**___ Year/Semester ___**III SEMESTER**___

for successfully completing a value added course _____

___**MACHINE LEARNING WITH PYTHON**___

offered by Department of ___**COMPUTER APPLICATIONS**___

during ___**18 November 2020 - 16 December 2020**___

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
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Course Coordinator

Dean/Academics
Faculty of Computer Applications
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __ABHINAV SINGH__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020 - 16 December 2020__

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

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UNIVERSITY BAREILLY

INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___NITESH KUMAR___

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020- 16 December 2020___

Head of the Department

Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

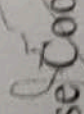Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ AISHWARYA GUPTA _____

of Program _____ BCA _____ Year/Semester _____ III SEMESTER _____

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON _____

offered by Department of _____ COMPUTER APPLICATIONS _____

during _____ 18 November 2020- 16 December 2020 _____

Head of the Department

Course Coordinator

Head
Department of Computer Applications
Faculty of Computer Applications
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Bareilly

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___HARSH SAXENA___

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course

___MACHINE LEARNING WITH PYTHON___

offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020- 16 December 2020___

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
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Course Coordinator

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __MOHAMMAD FIROJ__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Head of the Department

Course Coordinator

Registrar
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ **GARGI GUPTA** _____

of Program __ **BCA** __ Year/Semester __ **III SEMESTER** __

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON _____

offered by Department of _____ **COMPUTER APPLICATIONS**

during _____ **18 November 2020- 16 December 2020** _____

Head of the Department

Head
Department of Computer Applications
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Course Coordinator

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___VIKAS KUMAR GANGWAR___

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course

___MACHINE LEARNING WITH PYTHON___

offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020- 16 December 2020___

Head of the Department

Head
Department of Computer Applications
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Course Coordinator

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Faculty of Computer Applications
Invertis University, Bareilly (UP)

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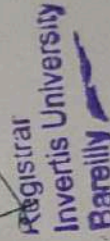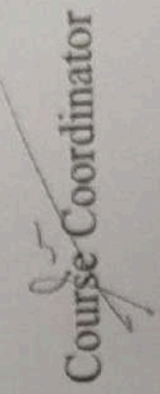
INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **UVAIS SAIFI**

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Head of the Department

Course Coordinator

Registrar
Invertis University
Bareilly

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ **SHIVANG SHARMA** _____

of Program ____ **BCA** ____ Year/Semester ____ **III SEMESTER** ____

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON _____

offered by Department of ____ **COMPUTER APPLICATIONS** ____

during _____ **18 November 2020- 16 December 2020** _____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (U.P)

Registrar
Invertis University
Bareilly
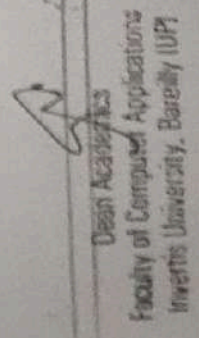
Course Coordinator

INVERTIS
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INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ____SURAJ RAWAT____

of Program ____BCA____ Year/Semester ____III SEMESTER____

for successfully completing a value added course ____

MACHINE LEARNING WITH PYTHON

offered by Department of ____COMPUTER APPLICATIONS____

during ____18 November 2020- 16 December 2020____

Head of the Department

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Course Coordinator

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **ADISHWAR SHARMA**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __MUNENDRA PAL__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020 - 16 December 2020__

Head of the Department

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Course Coordinator

Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___SAKSHI GUPTA___

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course

___MACHINE LEARNING WITH PYTHON___

offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020- 16 December 2020___

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
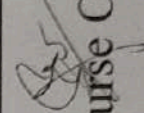Faculty of Computer Applications
Invertis University, Bareilly (UP)

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INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE
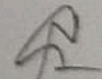
This Certificate is awarded to Mr./Ms. __**PRANJAL SRIVASTAVA**__
of Program __**BCA**__ Year/Semester _____**III SEMESTER**_____
for successfully completing a value added course _____
MACHINE LEARNING WITH PYTHON
offered by Department of _____**COMPUTER APPLICATIONS**_____
during _____**18 November 2020- 16 December 2020**_____

Head of the Department

Course Coordinator

Head
Department of Computer Applications
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Invertis University
Bareilly

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INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **SARANSH BHARDWAJ**
of Program **BCA** Year/Semester **III SEMESTER**
for successfully completing a value added course
MACHINE LEARNING WITH PYTHON
offered by Department of **COMPUTER APPLICATIONS**
during **18 November 2020- 16 December 2020**

Head of the Department

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Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)
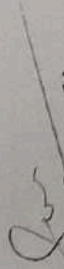
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **SYED AREEB RAZA**
of Program **BCA** Year/Semester **III SEMESTER**
for successfully completing a value added course
MACHINE LEARNING WITH PYTHON
offered by Department of **COMPUTER APPLICATIONS**
during **18 November 2020- 16 December 2020**

Course Coordinator

Head of the Department

Head
Department of Computer Applications
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ____**PANKAJ KUMAR**____
of Program ____**BCA**____ Year/Semester ____**III SEMESTER**____
for successfully completing a value added course _____
MACHINE LEARNING WITH PYTHON
offered by Department of ____**COMPUTER APPLICATIONS**____
during ____**18 November 2020- 16 December 2020**____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
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Bareilly

Course Coordinator

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Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __SHAURYA PRATAP SINGH__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
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Course Coordinator

Dean Academics
Faculty of Computer Applications
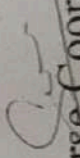Invertis University, Bareilly (UP)

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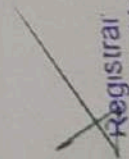
INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __SUDARSHAN PANDEY__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Course Coordinator

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Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ **SYED MOHD ZAID** _____

of Program _____ **BCA** _____ Year/Semester _____ **III SEMESTER** _____

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON _____

offered by Department of _____ **COMPUTER APPLICATIONS** _____

during _____ **18 November 2020- 16 December 2020** _____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Course Coordinator

Registrar
Invertis University
Bareilly

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___OMESH RATHOUR___

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course

___MACHINE LEARNING WITH PYTHON___

offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020- 16 December 2020___

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
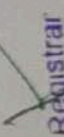Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __SHIVAM KUMAR VERMA__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ SHANTANU ARORA _____

of Program _____ BCA _____ Year/Semester _____ III SEMESTER _____

for successfully completing a value added course

_____ MACHINE LEARNING WITH PYTHON _____

offered by Department of _____ COMPUTER APPLICATIONS _____

during _____ 18 November 2020- 16 December 2020 _____

Head of the Department

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE-ADDED COURSE
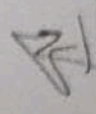
This Certificate is awarded to Mr./Ms. **PRANAV KATIYAR**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

Course Coordinator

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Dean Academics
Faculty of Computer Application
Invertis University, Bareilly (UP)
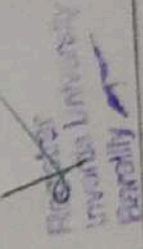
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___KM PRIYA SHARMA___

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course

___MACHINE LEARNING WITH PYTHON___

offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020- 16 December 2020___

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __RITIK KUMAR SAXENA__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Course Coordinator

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___ **RASHI GUPTA** ___

of Program ___ **BCA** ___ Year/Semester ___ **III SEMESTER** ___

for successfully completing a value added course ___

MACHINE LEARNING WITH PYTHON

offered by Department of ___ **COMPUTER APPLICATIONS** ___

during ___ **18 November 2020- 16 December 2020** ___

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Course Coordinator

Registrar
Invertis University
Bareilly

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Faculty of Computer Applications
Invertis University, Bareilly (UP)

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UNIVERSITY BAREILLY

INVERTIS UNIVERSITY

CERTIFICATE OF VALUE-ADDED COURSE

This Certificate is awarded to Mr./Ms. **TAPASVI MISHRA**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

_____
Head of the Department

_____
Course Coordinator

Registrar
Invertis University
Bareilly

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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UNIVERSITY BAREILLY

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __PRATEEK SAXENA__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Course Coordinator

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
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Registrar
Invertis University
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Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms.   **ROHIT GUPTA**

of Program   **BCA**   Year/Semester   **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of   **COMPUTER APPLICATIONS**

during   **18 November 2020- 16 December 2020**

Course Coordinator

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
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Bareilly

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Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___**SHUBHAM GUPTA**___

of Program ___**BCA**___ Year/Semester ___**III SEMESTER**___

for successfully completing a value added course ___

MACHINE LEARNING WITH PYTHON

offered by Department of ___**COMPUTER APPLICATIONS**___

during ___**18 November 2020- 16 December 2020**___

Head of the Department

Course Coordinator

Registrar
Invertis University
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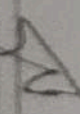# INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **MOHD OSAMA**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

Course Coordinator

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __VAISHNAVI KHANDELWAL__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course _____

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during _____ 18 November 2020- 16 December 2020

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___SHAIFALI RASTOGI___

of Program __BCA__ Year/Semester ___III SEMESTER___

for successfully completing a value added course _____

__MACHINE LEARNING WITH PYTHON__

offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020- 16 December 2020___

Course Coordinator

Head of the Department

Registrar
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ SHIVAM SINGH _____

of Program __ BCA __ Year/Semester _____ III SEMESTER _____

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON

offered by Department of _____ COMPUTER APPLICATIONS _____

during _____ 18 November 2020- 16 December 2020 _____

Course Coordinator

Registrar
Invertis University
Bareilly

Head of the Department

Head
Department of Computer Applications
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **VINAY KUMAR**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

Head of the Department

Head

Department of Computer Applications
Faculty of Computer Applications
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Bareilly

Course Coordinator

Dean Academics
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Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __SUMIT PATEL__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

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Course Coordinator

Registrar
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___**SHUBHAM SAGAR**___

of Program __**BCA**__ Year/Semester ___**III SEMESTER**___

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of ___**COMPUTER APPLICATIONS**___

during ___**18 November 2020- 16 December 2020**___

Course Coordinator

Head of the Department

Head
Department of Computer Applications
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __RACHIT SHUKLA__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Course Coordinator

Registrar
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___**SONU KUMAR**___

of Program __**BCA**__ Year/Semester __**III SEMESTER**__

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of __**COMPUTER APPLICATIONS**__

during __**18 November 2020– 16 December 2020**__

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Head of the Department

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ **PARAS VERMA** _____

of Program __ **BCA** __ Year/Semester _____ **III SEMESTER** _____

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON

offered by Department of _____ **COMPUTER APPLICATIONS** _____

during _____ **18 November 2020- 16 December 2020** _____

Course Coordinator

Registrar
Invertis University
Bareilly

Head of the Department

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Department of Computer Applications
Faculty of Computer Applications
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __RANJOD SINGH__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020– 16 December 2020__

Course Coordinator

Head of the Department
Head
Department of Computer Applications
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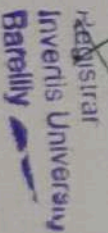UNIVERSITY BAREILLY

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **WAHID YAR KHAN**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020– 16 December 2020**

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Course Coordinator

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ **RUCHI SAHAI**

of Program **BCA** Year/Semester _____ **III SEMESTER** _____

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON _____

offered by Department of _____ **COMPUTER APPLICATIONS**

during _____ **18 November 2020- 16 December 2020** _____

Course Coordinator

Head of the Department

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Department of Computer Applications
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __RAM KANT DIXIT__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course _____

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Course Coordinator

Head of the Department

Head
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Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____SACHIN SHAKYA_____

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course

___MACHINE LEARNING WITH PYTHON___

offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020– 16 December 2020___

Head of the Department

Course Coordinator

Registrar
Invertis University
Bareilly

Dean Academics
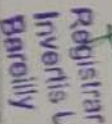Faculty of Computer Applications
Invertis University, Bareilly (UP)

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UNIVERSITY BAREILLY

INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **NAKSHATRA DEEP GANGWAR**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020– 16 December 2020**

Course Coordinator

Registrar
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Faculty of Computer Applications
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __SHUBHAM PRAKASH TOMAR__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)
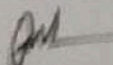
Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academic
Faculty of Computer Applications
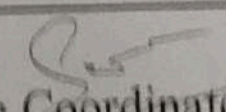Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **URUJ FATIMA**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course
MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020 - 16 December 2020**

Head of the Department

Head
Department of Computer Applications
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Bareilly

Course Coordinator

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Faculty of Computer Application
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __KM ANSHIKA GUPTA__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

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Course Coordinator

Registrar
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Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED-COURSE

This Certificate is awarded to Mr./Ms. _____ VATSAL ACHARYA _____

of Program _____ BCA _____ Year/Semester _____ III SEMESTER _____

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON

offered by Department of _____ COMPUTER APPLICATIONS _____

during _____ 18 November 2020- 16 December 2020 _____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)
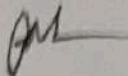
Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
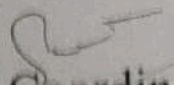Faculty of Computer Applications
Invertis University, Bareilly (UP)

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UNIVERSITY BAREILLY

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____VIVEK KUMAR_____

of Program _____BCA_____ Year/Semester _____III SEMESTER_____

for successfully completing a value added course

_____MACHINE LEARNING WITH PYTHON_____

offered by Department of _____COMPUTER APPLICATIONS_____

during _____18 November 2020- 16 December 2020_____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
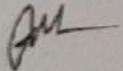Invertis University
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Faculty of Computer Applications
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UNIVERSITY BAREILLY

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **SHIVANK SHARMA**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

Head of the Department

Course Coordinator

Registrar
Invertis University
Bareilly

Dean Academics
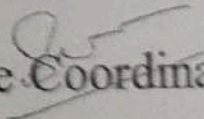Faculty of Computer Applications
Invertis University, Bareilly (UP)

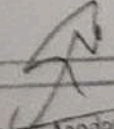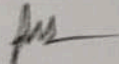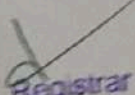INVERTIS
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __VIRENDER SINGH__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
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Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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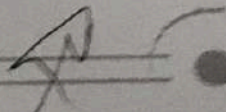
CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **SANJAY MOSHAL**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

Head of the Department

Department of Computer Applications
Faculty of Computer Applications
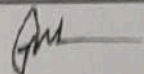Invertis University Bareilly (UP)

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Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___VAISHNAVI GUPTA___

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course

___MACHINE LEARNING WITH PYTHON___

offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020- 16 December 2020___

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Course Coordinator

Registrar
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ NIDHI DIXIT _____

of Program _____ BCA _____ Year/Semester _____ III SEMESTER _____

for successfully completing a value added course _____

__MACHINE LEARNING WITH PYTHON__

offered by Department of _____ COMPUTER APPLICATIONS _____

during _____ 18 November 2020- 16 December 2020 _____

Head of the Department

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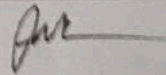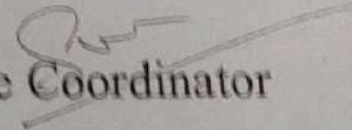
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ROHIT TYAGI_____

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course _____

___MACHINE LEARNING WITH PYTHON_____

offered by Department of ___COMPUTER APPLICATIONS___

during _____18 November 2020- 16 December 2020_____
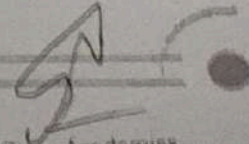
Head of the Department

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Department of Computer Applications
Faculty of Computer Applications
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Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___ SURAJ KUMAR ___

of Program ___ BCA ___ Year/Semester ___ III SEMESTER ___

for successfully completing a value added course ___

MACHINE LEARNING WITH PYTHON ___

offered by Department of ___ COMPUTER APPLICATIONS ___

during ___ 18 November 2020- 16 December 2020 ___

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Registrar
Invertis University
Bareilly

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Dean Academics
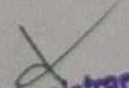Faculty of Computer Applications
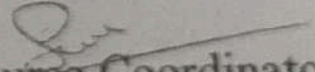Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ TAUHID RAZA _____

of Program _____ BCA _____ Year/Semester _____ III SEMESTER _____

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON

offered by Department of _____ COMPUTER APPLICATIONS _____

during _____ 18 November 2020- 16 December 2020 _____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
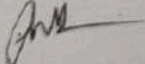Bareilly

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Dean Academics
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __ABHINAY SSAXENA__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Head of the Department

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Department of Computer Applications
Faculty of Computer Applications
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Dean Academics
Faculty of Computer Applications
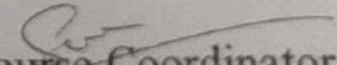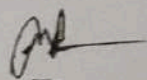Invertis University, Bareilly (UP)

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UNIVERSITY BAREILLY

INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___KARTIK PRATAP SINGH___

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course ___

___MACHINE LEARNING WITH PYTHON___

offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020- 16 December 2020___

Head of the Department

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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UNIVERSITY BAREILLY

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __ABHINAV KANNOJIA__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly [UP]

Registrar
Invertis University
Bareilly

Course-Coordinator

Dean Academics
Faculty of Computer Applications
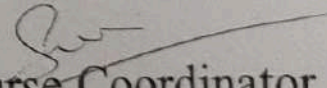Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___AJAYPAL SINGH___

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course

___MACHINE LEARNING WITH PYTHON___

offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020- 16 December 2020___

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

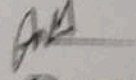Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP).

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __MOHD ARSHAN IDREESI__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020-16 December 2020__

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Faculty of Computer Applications
Invertis University, Bareilly (UP)

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UNIVERSITY BAREILLY

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___ ABHISHEK KUMAR ___

of Program ___ BCA ___ Year/Semester ___ III SEMESTER ___

for successfully completing a value added course ___

MACHINE LEARNING WITH PYTHON

offered by Department of ___ COMPUTER APPLICATIONS ___

during ___ 18 November 2020- 16 December 2020 ___

Head of the Department

Head
Department of Computer Application
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
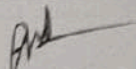Bareilly

Course Coordinator

Dean Academics
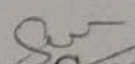Faculty of Computer Applications
Invertis University, Bareilly (UP)

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UNIVERSITY BAREILLY

INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ ANIKET SAXENA _____

of Program _____ BCA _____ Year/Semester _____ III SEMESTER _____

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of _____ COMPUTER APPLICATIONS _____

during _____ 18 November 2020- 16 December 2020 _____

Head of the Department
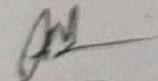
Course Coordinator

Registrar
Invertis University
Bareilly

Dean Academics
Faculty of Computer Applications
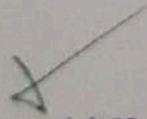Invertis University, Bareilly (UP)
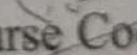
INVERTIS
UNIVERSITY BAREILLY

INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **DHEERENDRA YADUVANSHI**

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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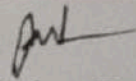## CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ **ANAND SINGH** _____

of Program _____ **BCA** _____ Year/Semester _____ **III SEMESTER** _____

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON _____

offered by Department of _____ **COMPUTER APPLICATIONS** _____

during _____ **18 November 2020- 16 December 2020** _____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ MEENAL VARSHNEY _____

of Program _____ BCA _____ Year/Semester _____ III SEMESTER _____

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of _____ COMPUTER APPLICATIONS _____

during _____ 18 November 2020- 16 December 2020 _____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
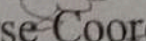Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE-ADDED COURSE
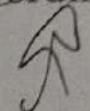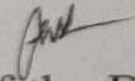
This Certificate is awarded to Mr./Ms. **KAVISH ARORA**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

Head of the Department

Course Coordinator

Registrar
Invertis University
Bareilly

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Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

his Certificate is awarded to Mr./Ms. _____ ANAYAH FATIMA _____

Program __ BCA __ Year/Semester __ III SEMESTER __

r successfully completing a value added course

ACHINE LEARNING WITH PYTHON

fered by Department of _____ COMPUTER APPLICATIONS _____

ring _____ 18 November 2020- 16 December 2020 _____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean, Academics
Faculty of Computer Applications
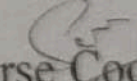Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __ARPIT GUPTA__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

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Invertis University, Bareilly (UP)
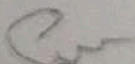
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __ARJUN SINGH__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
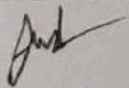Invertis University
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
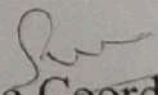Invertis University, Bareilly (UP)

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UNIVERSITY BAREILLY

INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ BHAVESH SINGH _____

of Program _____ BCA _____ Year/Semester _____ III SEMESTER _____

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON

offered by Department of _____ COMPUTER APPLICATIONS _____

during _____ 18 November 2020- 16 December 2020 _____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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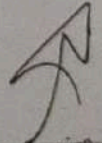# INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **ANAM KHAN**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
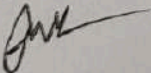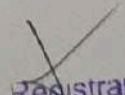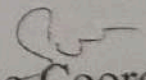Invertis University, Bareilly (UP)

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UNIVERSITY BAREILLY

INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ DIWAKAR GUPTA _____

of Program _____ BCA _____ Year/Semester _____ III SEMESTER _____

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of _____ COMPUTER APPLICATIONS _____

during _____ 18 November 2020- 16 December 2020 _____

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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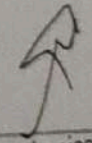UNIVERSITY BAREILLY

INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___ SHRAYANSH BHARDWAJ ___

of Program ___ BCA ___ Year/Semester ___ III SEMESTER ___

for successfully completing a value added course ___

MACHINE LEARNING WITH PYTHON

offered by Department of ___ COMPUTER APPLICATIONS ___

during ___ 18 November 2020 - 16 December 2020 ___

Head of the Department

Registrar
Invertis University
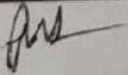Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

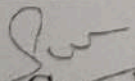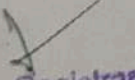# INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __JAY KUMAR CHATURVEDI__

of Program __BCA__ Year/Semester __III SEMESTER__

for successfully completing a value added course

__MACHINE LEARNING WITH PYTHON__

offered by Department of __COMPUTER APPLICATIONS__

during __18 November 2020- 16 December 2020__

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

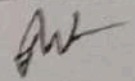Registrar
Invertis University,
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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UNIVERSITY BAREILLY

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ SURAJ SINGH _____

of Program _____ BCA _____ Year/Semester _____ III SEMESTER _____

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON _____

offered by Department of _____ COMPUTER APPLICATIONS _____

during _____ 18 November 2020 - 16 December 2020 _____

Head of the Department
Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University,
Bareilly

Course Coordinator

Dean Academics
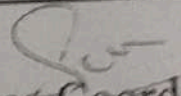Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___**SONU**___

of Program ___**BCA**___ Year/Semester ___**III SEMESTER**___

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of ___**COMPUTER APPLICATIONS**___

during ___**18 November 2020- 16 December 2020**___

Head of the Department

Course Coordinator
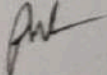
Registrar
Invertis University
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Dean Academics
Faculty of Computer Applications
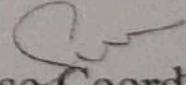Invertis University, Bareilly (UP)
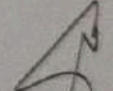
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UNIVERSITY BAREILLY

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___SHUBHAM SAXENA___

of Program ___BCA___ Year/Semester ___III SEMESTER___

for successfully completing a value added course _____

___MACHINE LEARNING WITH PYTHON___

offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020- 16 December 2020___

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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Invertis University
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Course Coordinator

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Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE
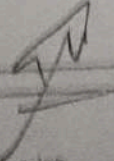
This Certificate is awarded to Mr./Ms. **YASH GAHLOT**
of Program **BCA** Year/Semester **III SEMESTER**
for successfully completing a value added course
MACHINE LEARNING WITH PYTHON
offered by Department of **COMPUTER APPLICATIONS**
during **18 November 2020- 16 December 2020**

Head of the Department

Course Coordinator

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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UNIVERSITY BAREILLY
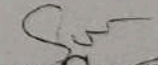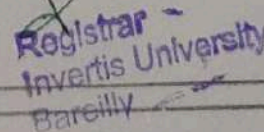
INVERTIS UNIVERSITY
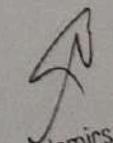
CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **ZAMIN HUSSAIN**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

Head of the Department

Course Coordinator

Registrar
Invertis University
Bareilly

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Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **VEDANSH KALYAN CHADDHA**
of Program ___**BCA**___ Year/Semester ___**III SEMESTER**___
for successfully completing a value added course _____
MACHINE LEARNING WITH PYTHON
offered by Department of ___**COMPUTER APPLICATIONS**___
during ___**18 November 2020- 16 December 2020**___

Head of the Department
Head
Department of Computer Applications
Faculty of Computer Applications
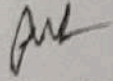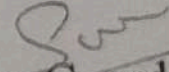Invertis University, Bareilly (UP)

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Bareilly

Course Coordinator

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Faculty of Computer Applications
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __YASH KHURANA__
of Program __BCA__ Year/Semester __III SEMESTER__
for successfully completing a value added course _____
MACHINE LEARNING WITH PYTHON
offered by Department of __COMPUTER APPLICATIONS__
during __18 November 2020- 16 December 2020__

Head of the Department

Course Coordinator

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Faculty of Computer Applications
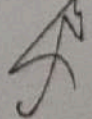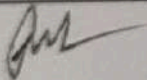Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **VISHAL SHARMA**

of Program **BCA** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

Head of the Department

Course Coordinator

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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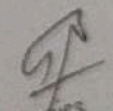UNIVERSITY BAREILLY

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CERTIFICATE OF VALUE ADDED COURSE
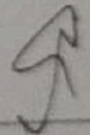
This Certificate is awarded to Mr./Ms. __SHIV OM GUPTA__
of Program __B.Sc. (H) CS__ Year/Semester __III SEMESTER__
for successfully completing a value added course __
MACHINE LEARNING WITH PYTHON__
offered by Department of __COMPUTER APPLICATIONS__
during __18 November 2020- 16 December 2020__

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___**RAKESH NAGILA**___
of Program __**B.Sc. (H) CS**__ Year/Semester ___**III SEMESTER**___
for successfully completing a value added course _____
MACHINE LEARNING WITH PYTHON
offered by Department of_____ **COMPUTER APPLICATIONS**____
during _____ **18 November 2020- 16 December 2020**

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

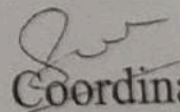# INVERTIS
UNIVERSITY BAREILLY

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **SHASHANK SAXENA**
of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**
for successfully completing a value added course
MACHINE LEARNING WITH PYTHON
offered by Department of **COMPUTER APPLICATIONS**
during **18 November 2020- 16 December 2020**

Head of the Department

Course Coordinator

Registrar
Invertis University
Bareilly

Department of Computer Applications
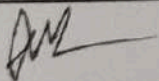Faculty of Computer Applications
Invertis University, Bareilly

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **AASTHA BAJPAI**

of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
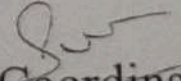Invertis University, Bareilly (UP)

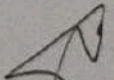# INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___MOHD TARIQ RAZA___

of Program ___B.Sc. (H) CS___ Year/Semester ___III SEMESTER___

for successfully completing a value added course _____

__MACHINE LEARNING WITH PYTHON__

offered by Department of ___COMPUTER APPLICATIONS___

during ___18 November 2020- 16 December 2020___

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
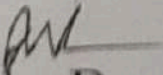Invertis University
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)
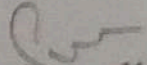
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UNIVERSITY BAREILLY

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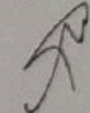
CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **MONIKA SINGH**
of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**
for successfully completing a value added course
MACHINE LEARNING WITH PYTHON
offered by Department of **COMPUTER APPLICATIONS**
during **18 November 2020- 16 December 2020**

Head of the Department

Course Coordinator

Registrar
Invertis University
Bareilly

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

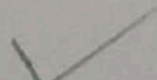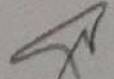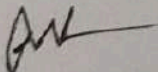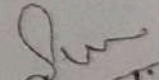**INVERTIS**
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CERTIFICATE OF VALUE ADDED COURSE
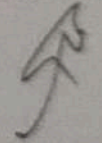
This Certificate is awarded to Mr./Ms. **LAKSHMI MAURYA**
of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**
for successfully completing a value added course
MACHINE LEARNING WITH PYTHON
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during **18 November 2020- 16 December 2020**

Head of the Department

Course Coordinator

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Department of Computer Applications
Faculty of Computer Applications
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Faculty of Computer Applications
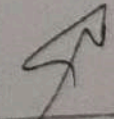Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **KM ANSHIKA KANCHAN**
of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**
for successfully completing a value added course
MACHINE LEARNING WITH PYTHON
offered by Department of **COMPUTER APPLICATIONS**
during **18 November 2020- 16 December 2020**

Head of the Department

Course Coordinator

Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
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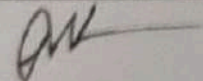Faculty of Computer Applications
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **SURBHI SINGH**
of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**
for successfully completing a value added course
MACHINE LEARNING WITH PYTHON
offered by Department of **COMPUTER APPLICATIONS**
during **18 November 2020- 16 December 2020**

Head of the Department

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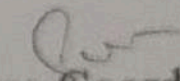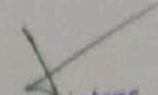
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __KM PANKHURI GUPTA__
of Program __B.Sc. (H) CS__ Year/Semester __III SEMESTER__
for successfully completing a value added course ____
MACHINE LEARNING WITH PYTHON
offered by Department of __COMPUTER APPLICATIONS__
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Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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Invertis University
Bareilly

Course Coordinator
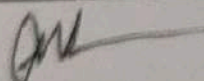
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **PAKHI GUPTA**
of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**
for successfully completing a value added course
MACHINE LEARNING WITH PYTHON
offered by Department of **COMPUTER APPLICATIONS**
during **18 November 2020- 16 December 2020**

Head of the Department

Course Coordinator

Department of Computer Application
Faculty of Computer Applications

Registrar
Invertis University
Bareilly

Dean Academics
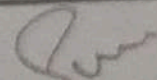Faculty of Computer Applications
Invertis University, Bareilly (UP)

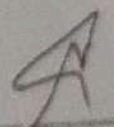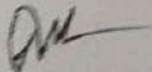# INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **FAIZAN RASOOL**

of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
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Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
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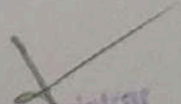
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UNIVERSITY BAREILLY

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **MUSTAFA ISRAR**
of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**
for successfully completing a value added course
MACHINE LEARNING WITH PYTHON
offered by Department of **COMPUTER APPLICATIONS**
during **18 November 2020- 16 December 2020**

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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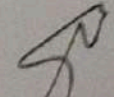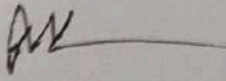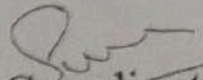# INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **KAMAL GANGWAR**

of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

Head of the Department

Course Coordinator

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)

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Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **RAMANDEEP KAUR**
of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**
for successfully completing a value added course
MACHINE LEARNING WITH PYTHON
offered by Department of **COMPUTER APPLICATIONS**
during **18 November 2020- 16 December 2020**

Course Coordinator

Head of the Department

Registrar
Invertis University
Bareilly

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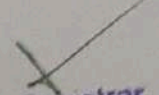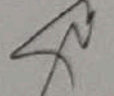Faculty of Computer Applications
Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ____**JITIN KUMAR SINGH**____
of Program __**B.Sc. (H) CS**__ Year/Semester ____**III SEMESTER**____
for successfully completing a value added course _____
MACHINE LEARNING WITH PYTHON_____
offered by Department of ____**COMPUTER APPLICATIONS**____
during ____**18 November 2020- 16 December 2020**____

Head of the Department

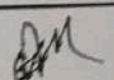Course Coordinator

Registrar
Invertis University
Bareilly

Dean Academics
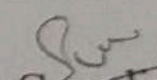Faculty of Computer Applications
Invertis University, Bareilly (UP)
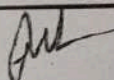
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UNIVERSITY BAREILLY

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___SANJEEV KUMAR___
of Program **B.Sc. (H) CS** Year/Semester ___III SEMESTER___
for successfully completing a value added course _____
MACHINE LEARNING WITH PYTHON
offered by Department of___ **COMPUTER APPLICATIONS** ___
during ___18 November 2020- 16 December 2020___

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University., Bareilly (UP)

Registrar
Invertis University
Bareilly

Course Coordinator

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

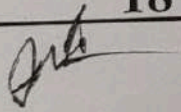# INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **MANEE SEJWAR**

of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

Head of the Department

Course Coordinator

Head
Department of Computer Applications
Faculty of Computer Applications
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Registrar
Invertis University
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Faculty of Computer Applications
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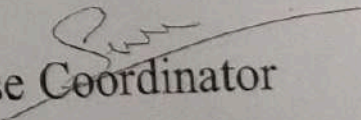**UNIVERSITY BAREILLY**

INVERTIS UNIVERSITY
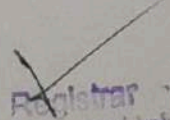
CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **SONAM GANDHI**

of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

Head of the Department

Course Coordinator

Registrar
Invertis University
Bareilly

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)
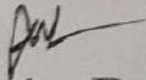
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UNIVERSITY BAREILLY

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **ANUJ SRIVASTAVA**

of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

Head of the Department

Course Coordinator

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly [UP]

Registrar
Invertis University
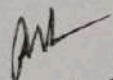Bareilly

Dean Academics
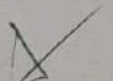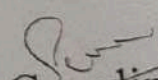Faculty of Computer Applications
Invertis University, Bareilly [UP]

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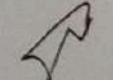
CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **SHIVAM TRIVEDI**

of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

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Course Coordinator

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Faculty of Computer Applications
Invertis University, Bareilly (UP)

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Bareilly

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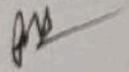Faculty of Computer Applications
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ **SURAJ SINGH**

of Program **B.Sc. (H) CS** Year/Semester _____ **III SEMESTER**

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON

offered by Department of _____ **COMPUTER APPLICATIONS**

during _____ **18 November 2020- 16 December 2020**

Head of the Department

Course Coordinator

Registrar
Invertis University
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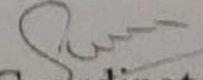Faculty of Computer Applications
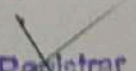Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __**VAIBHAV PARASHAR**__
of Program __**B.Sc. (H) CS**__ Year/Semester ____**III SEMESTER**____
for successfully completing a value added course _____
MACHINE LEARNING WITH PYTHON
offered by Department of_____**COMPUTER APPLICATIONS**_____
during _____**18 November 2020- 16 December 2020**_____

Head of the Department

Course Coordinator

Head
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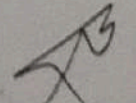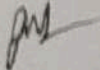## CERTIFICATE OF VALUE ADDED COURSE
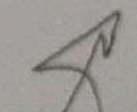
This Certificate is awarded to Mr./Ms. **SHIVANI MAURYA**

of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

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Department of Computer Applications
Faculty of Computer Applications
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Registrar
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Bareilly

Course Coordinator

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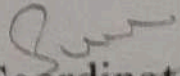Invertis University, Bareilly (UP)

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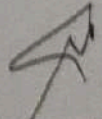## CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **JEESHAN AII**
of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**
for successfully completing a value added course
MACHINE LEARNING WITH PYTHON
offered by Department of **COMPUTER APPLICATIONS**
during **18 November 2020- 16 December 2020**

Head of the Department

Course Coordinator

Head
Department of Computer Applications
Faculty of Computer Applications
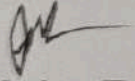Invertis University, Bareilly (UP)

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **AADIL KHAN**

of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

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CERTIFICATE OF VALUE ADDED COURSE

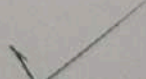This Certificate is awarded to Mr./Ms. ___**ABHISHEK VERMA**___
of Program __**B.Sc. (H) CS**__ Year/Semester _____**III SEMESTER**_____
for successfully completing a value added course _____
MACHINE LEARNING WITH PYTHON
offered by Department of_____**COMPUTER APPLICATIONS**_____
during _____**18 November 2020- 16 December 2020**_____

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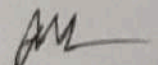Faculty of Computer Applications
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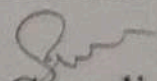
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **GAURAV SINGH**

of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

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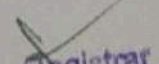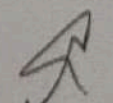## CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **SARANSH MISHRA**
of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**
for successfully completing a value added course
MACHINE LEARNING WITH PYTHON
offered by Department of **COMPUTER APPLICATIONS**
during **18 November 2020- 16 December 2020**

Head of the Department

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Department of Computer Applications
Faculty of Computer Applications
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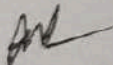Registrar
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. ___**KUSHAGRA VAISH**___
of Program __**B.Sc. (H) CS**__ Year/Semester ___**III SEMESTER**___
for successfully completing a value added course _____
MACHINE LEARNING WITH PYTHON
offered by Department of ____**COMPUTER APPLICATIONS**____
during ____**18 November 2020- 16 December 2020**____

Course Coordinator

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
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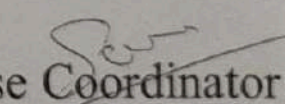Faculty of Computer Applications
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __**HASSAN MOHD ANSARI**__
of Program __**B.Sc. (H) CS**__ Year/Semester _____**III SEMESTER**_____
for successfully completing a value added course _____
MACHINE LEARNING WITH PYTHON_____
offered by Department of_____**COMPUTER APPLICATIONS**_____
during _____**18 November 2020- 16 December 2020**_____

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Course Coordinator

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Faculty of Computer Applications
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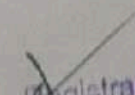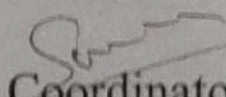
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __PARTH RAJ SINGH DEOPA__
of Program __B.Sc. (H) CS__ Year/Semester __III SEMESTER__
for successfully completing a value added course _____
__MACHINE LEARNING WITH PYTHON__
offered by Department of __COMPUTER APPLICATIONS__
during __18 November 2020- 16 December 2020__

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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **AAZAD HUSAIN**

of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

offered by Department of **COMPUTER APPLICATIONS**

during **18 November 2020- 16 December 2020**

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Course Coordinator

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)
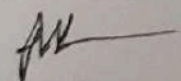
Registrar
Invertis University
Bareilly

Dean Academics
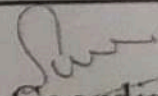Faculty of Computer Applications
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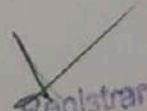# INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **SUSHEEL PRAJAPATI**

of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**

for successfully completing a value added course

MACHINE LEARNING WITH PYTHON

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during **18 November 2020- 16 December 2020**

Head of the Department

Course Coordinator

Head
Department of Computer Applications
Faculty of Computer Applications
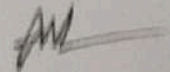Invertis University, Bareilly (UP)

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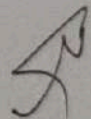
CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **RISHAV MISHRA**
of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**
for successfully completing a value added course
MACHINE LEARNING WITH PYTHON
offered by Department of **COMPUTER APPLICATIONS**
during **18 November 2020- 16 December 2020**

Head of the Department

Course Coordinator

Registrar
Invertis University
Bareilly

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Faculty of Computer Applications
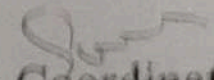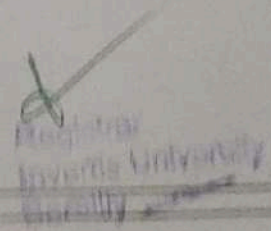Invertis University, Bareilly (UP)
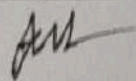
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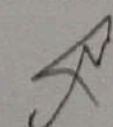
This Certificate is awarded to Mr./Ms. **SHEKHAR TRIVEDI**
of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**
for successfully completing a value added course
MACHINE LEARNING WITH PYTHON
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during **18 November 2020- 16 December 2020**

Head of the Department

Head
Department of Computer Applications
Faculty of Computer Applications
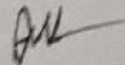Invertis University, Bareilly (UP)

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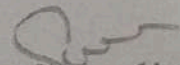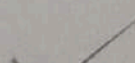UNIVERSITY BAREILLY

INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. _____ **AJAY DUBEY** _____

of Program __**B.Sc. (H) CS**_ Year/Semester _____ **III SEMESTER** _____

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON _____

offered by Department of _____ **COMPUTER APPLICATIONS** _____

during _____ **18 November 2020- 16 December 2020** _____

Head of the Department

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Faculty of Computer Applications
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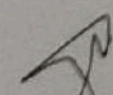# INVERTIS UNIVERSITY

CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __AKSHAY CHAUHAN__
of Program __B.Sc. (H) CS__ Year/Semester __III SEMESTER__
for successfully completing a value added course _____
MACHINE LEARNING WITH PYTHON
offered by Department of __COMPUTER APPLICATIONS__
during __18 November 2020- 16 December 2020__

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Course Coordinator

Head
Department of Computer Applications
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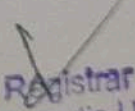Faculty of Computer Applications
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. **CHHAYA GANGWAR**
of Program **B.Sc. (H) CS** Year/Semester **III SEMESTER**
for successfully completing a value added course
MACHINE LEARNING WITH PYTHON
offered by Department of **COMPUTER APPLICATIONS**
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Course Coordinator

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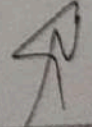
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __LATA MISHRA__

of Program __B.Sc. (H) CS__ Year/Semester __III SEMESTER__

for successfully completing a value added course _____

__MACHINE LEARNING WITH PYTHON__

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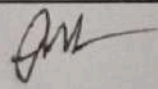
Course Coordinator

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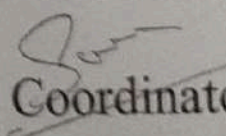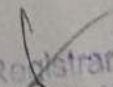Invertis University, Bareilly (UP)

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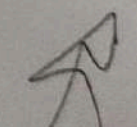
This Certificate is awarded to Mr./Ms. _____ **RAJDEEP KAUR**

of Program **B.Sc. (H) CS** Year/Semester _____ **III SEMESTER**

for successfully completing a value added course _____

MACHINE LEARNING WITH PYTHON

offered by Department of _____ **COMPUTER APPLICATIONS**

during _____ **18 November 2020- 16 December 2020**

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