TECNIA
INSTITUTE OF ADVANCED STUDIES
GRADE "A" INSTITUTE
DELHI INDIA

Department of Information Communication & Technology

Report
On
Value Added Course: Certificate Course in Introduction to Data Driven – Batch 1

ACTIVITY : Value Added Course

TITLE : Certificate Course in Introduction to Data Driven

VALUES: Domain Knowledge; Modern Tool Usage; Professional Ethical Edification

LEARNING OUTCOMES:
- Programming & working with data.
- Conduct a wide range of statistical test.
- Understand machine learning algorithm.

Organized by : Department of Information Communication & Technology

Program Theme : Value Added Course on Introduction to Data Driven

Internal Expert : Ms. Arnima Pathak

HoD
BCA-TIAS

Coordinator
Internal Quality Cell (IQAC)
Tecnia Insti... Studies
New ....

Date : 10-04-2023
Time: 11:10 am to 12:00 pm (Batch 1)
Venue: Offline, Room No. 2203
Poster/Flyer

TECNIA
INSTITUTE OF ADVANCED STUDIES
(AFFILIATED TO NAAC A++ GGSIP UNIVERSITY)
GRADE 'A' INSTITUTE

Department Of Information Communication & Technology

VALUE ADDED COURSE
SESSION - 2022-2023

DATA DRIVEN

CERTIFICATE COURSE IN INTRODUCTION TO DATA DRIVEN

Preface

Value Added Courses are augmented as per NEP 2020; Envisage Modern Tool Usage, Learners to up-skill their skillsets; Bridging the gap between academia and corporate requirements; VAC Certificate Course will be able to attain as under:-
- Broadening of Domain Knowledge
- Apply techniques of appropriate software's validation
- Acquire technical skills to lead as productive IT Professional
- Enhancing Employability

Learning Outcomes

At the end of this Course, student will be able to :
- Programming & working with Data.
- Conduct a wide range of statistical tests.
- Understanding machine learning algorithms.

Note

- Batches will commence w.e.f 10.04.2023
- Each batch shall comprise of 60 students only.
- Minimum 75% attendance is required by the candidate for assessment.
- Assessment will be made on the basis of Viva Voce on 23.05.2023.
- Successful learners after assessment will get the certificate of the VAC.

Duration : 30 Hours
Mode : Offline

Timing : 11:10 am to 12:00 pm (Batch 1)
11:10 am to 12:00 pm (Batch 2)

Resource Person:
Ms. Arnima

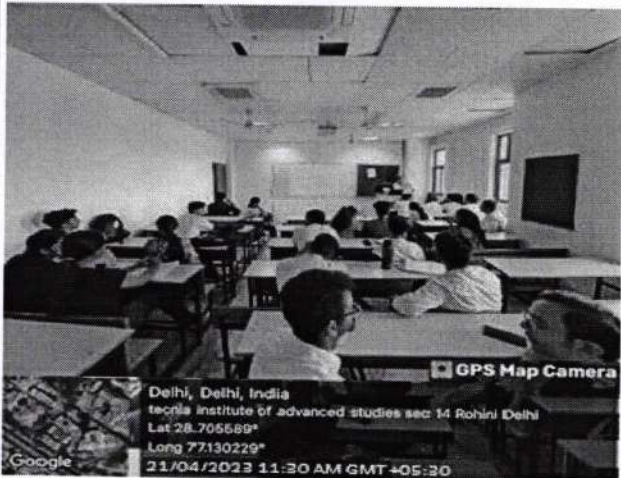**Entry Date :**
03.04.2023

VAC Contents

- Introduction (1 Hr)
- SciPy Stack (4Hr)
- Statistical Methods for Decision Making (3 Hr)
- Exploratory data analysis (2 Hr)
- Data Preprocessing (2 Hr)
- Feature Selection (3 Hr)
- Predictive Modelling (3 Hr)
- Machine Learning Algorithm (4 Hr)
- Time Series Forcasting (2 Hr)
- Data Mining (3 Hr)
- Natural Language Process (3 Hr)

For any queries related the VAC certification course, Please feel free to contact
VAC Coordinator : Ms. Sania (9821713486)

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Coordinator
Internal Quality
Tecnia Instit
New L   .085
Cell (IQAC)

Social media link *(promoting in any one Facebook/Instagram/Twitter is mandatory)*	https://www.instagram.com/tecniaofficial?igsh=MXdxdzZwb2EwaWszNg==
No. of Students*(only no. to be written, list in excel or word should be maintain at department level as proof for any further requirement)*	60
No. of Faculty *(only no. to be written , list in excel or word should be maintain at departmentlevel as proof for any further requirement)*	01

Photograph

Photograph	
Report: Description in (min 250 to max 800 words)	The Value-Added Course on Data-Driven Techniques was a resounding success, providing participants with valuable skills and insights into the world of data analysis and interpretation. By empowering individuals with the tools and knowledge needed to harness the power of data, the workshop has contributed to building a more data-literate workforce capable of driving innovation and informed decision-making across industries. This workshop aimed to equip participants with practical skills and theoretical knowledge in utilizing data-driven approaches for decision-making and problem-solving across various domains. The accelerating volume of data driven sources, and subsequently data, has made data science is one of the fastest growing fields across every industry. The workshop employed a combination of lectures, hands-on exercises, case studies, and group projects to ensure a comprehensive learning experience. Participants were provided with access to relevant software tools and

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	datasets to practice their skills under the guidance of experienced instructor.
	As a result, it is no surprise that the role of the data scientist was dubbed the "sexiest job of the 21st century". Organizations are increasingly reliant on them to interpret data and provide actionable recommendations to improve business outcomes.
	It has applications in various fields and industries, including finance, healthcare, marketing, social sciences, transportation, and more. It plays a crucial role in driving data-informed decision-making, optimizing processes, developing predictive models, and uncovering insights that can lead to improved efficiency, innovation, and competitive advantage.
Resource Person Profile	Ms. Arnima Pathak is currently working as an Assistant Professor in Tecnia Institute of Advance Studies (TIAS), New Delhi. She has obtained her Bachelor's degree & Master's Degree in Computer Science where she developed a strong foundation in Computer Science and Statistics. She has also obtained Master's Program in Data Science. She is having an experience in academics as Data Science and Data Analytics Faculty as well as she is having experience in corporate as a Data Analyst. Throughout her academic career, she has focused on Machine Learning and Artificial Intelligence. She has expertise in various subjects like C, Tableau, Power BI, Python, Deep Learning and Machine Learning. Her area of Research includes Machine Learning and Artificial Intelligence.
Attendance Sheet	*Attached*
Feedback	*Sample feedback Attached*
Report Submitted by VAC Coordinator *(write facultycoordinator name)*	Ms. Sania

For Office Use

Signature of VAC Coordinator	**Signature of School/Department Head**
	(With Seal)

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GRADE "A" INSTITUTE
DELHI | INDIA

Department of Information Communication & Technology

Report
On
Value Added Course: Certificate Course in Introduction to Data Driven – Batch 2

ACTIVITY : Value Added Course

TITLE : Certificate Course in Introduction to Data Driven

VALUES: Domain Knowledge; Modern Tool Usage; Professional Ethical Edification

LEARNING OUTCOMES:
- Programming & working with data.
- Conduct a wide range of statistical test.
- Understand machine learning algorithm.

Organized by : Department of Information Communication & Technology

Program Theme : Value Added Course on Introduction to Data Driven

Internal Expert : Ms. Arnima Pathak

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Coordinator
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Date : 10-04-2023
Time : 11:10 am to 12:00 pm (Batch 2)
Venue: Offline, Room No. 2203
Poster/Flyer

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VALUE ADDED COURSE
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Entry Date :
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Internal Quality Assessment Cell (IQAC)
Tecnia Institute Advanced Studies
New Delhi-110085

Social media link *(promoting in any one Facebook/Instagram/Twitter is mandatory)*	https://www.instagram.com/tecniaofficial?igsh=MXdxdzZwb2EwaWszNg==
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...e.. Studies
New Delhi-110085

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