



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

Department of Information
Communication & Technology

**Report
On
Value Added Course: Certificate Course in Data
Science Basics**

ACTIVITY :Value Added Course

TITLE : Certificate Course in Data Science Basics

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

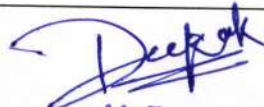
LEARNING OUTCOMES:

- 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 of Data Science Basics

Internal Expert :Ms. Arnima Pathak


HoD
BCA-TIAS


Coordinator
Internal Quality Assessment Cell (IQAC)
Tecnia Institute of Advanced Studies
New Delhi-110085

Date :10-04-2023

Time : Mon: 12:50 PM-1:40 PM
Tues: 12:00 PM-12:50 PM
Wed: 12:50 PM-1:40 PM

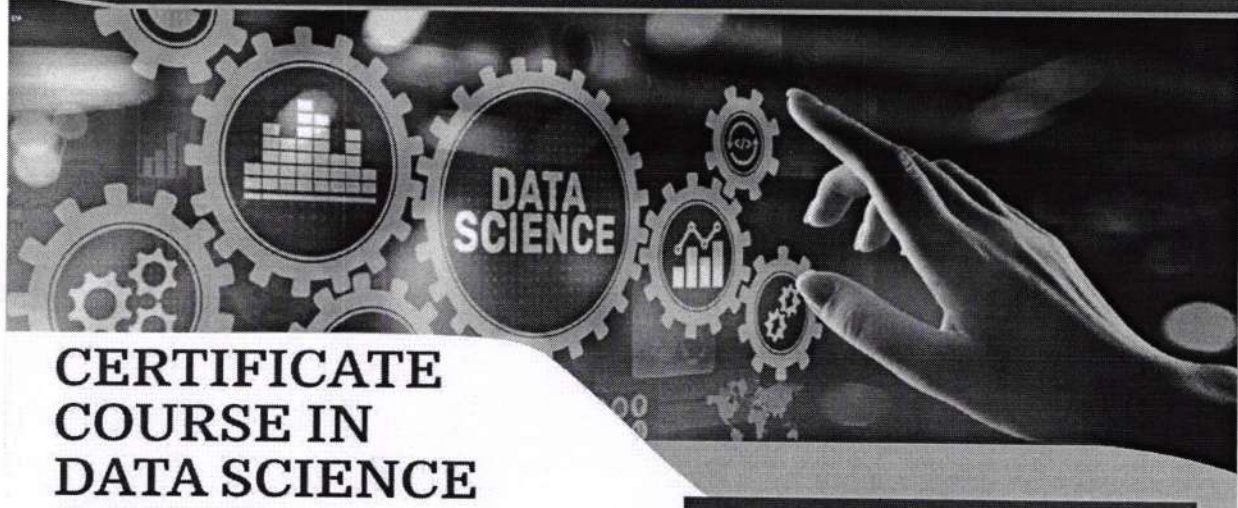
Venue : Offline, Room No. 2203

Poster/Flyer



**Department Of
Information Communication
& Technology**

VALUE ADDED COURSE SESSION - 2022-2023



CERTIFICATE COURSE IN DATA SCIENCE BASICS

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.
- Understand 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 and written/practical exam.
- Successful learners after assessment will get the certificate of the VAC.

Duration : 30 Hours
Mode : Offline

Timing : 12:50 pm to 01:40 pm (Mon)
12:00 pm to 12:50 pm (Tue)
12:50 pm to 01:40 pm (Wed)

Resource Person:
Ms. Arnima

Entry Date :
03.04.2023

VAC Contents

- Introduction (1 Hr)
- Python Programming (2 Hr)
- Python Libraries (4 Hr)
- Statistical Methods for Decision Making (3 Hr)
- Classification & Regression Algorithms (6Hrs)
- Exploratory data analysis (2 Hr)
- Data Preprocessing (2 Hr)
- Feature Selection (3 Hr)
- Predictive Modelling (2 Hr)
- Types of Machine Learning (1 Hr)
- Machine Learning Algorithm (4 Hr)

**For any queries related the VAC certification course, Please feel free to contact
VAC Coordinator : Dr. Soumya Bansal (7263149227)**

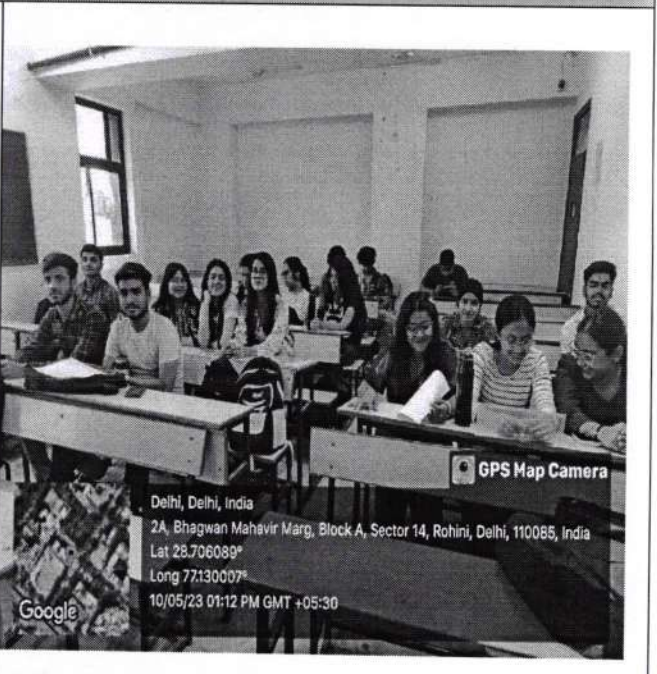
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**HoD
BCA-TIAS**

[Signature]
**Coordinator
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New Delhi-110085**

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 department level as proof for any further requirement)	01

Photograph

Photograph





Report: Description in (min 250 to max 800 words)


The Data Science Basics course aimed to provide participants with foundational knowledge and practical skills in the field of data science. The course covered essential concepts, tools, and techniques used in data analysis and interpretation.

The Data Science Basics course provided participants with a solid foundation in the principles and practices of data science. By combining theoretical knowledge with hands-on exercises and real-world examples, participants gained valuable skills that they can apply in their academic and professional endeavors. The course received positive feedback from participants, who expressed appreciation for the clear explanations, interactive sessions, and practical insights provided by the instructors. Overall, the course was successful in achieving its objectives of demystifying data science and empowering participants to embark on their journey in this rapidly evolving field.

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<p>Resource Person Profile</p>	<p>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.</p> <p>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.</p>
<p>Attendance Sheet</p>	<p>Attached</p>
<p>Feedback</p>	<p>Sample Feedback Attached</p>
<p>Report Submitted VAC Coordinator (Write Faculty Coordinator Name)</p>	<p>Ms. Vandana</p>
<p>For office use only</p>	
<p style="text-align: center;"></p> <p>Signature of VAC Coordinator</p>	<p style="text-align: center;"> HoD BCA-TIAS</p> <p>Signature of School / Department Head (With Seal)</p>


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