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

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.

HoD
BCA-T

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)

Coordinator
Internal Quality Assurance Cell (IQAC)
Tecnia Institute of Advanced Studies

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