



TECNIA INSTITUTE OF ADVANCED STUDIES
GRADE "A" INSTITUTE
Approved by AICTE, Ministry of Education Govt. of India, Affiliated to GGSIP University
Recognized Under Sec. 2(f) of UGC Act 1956
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Syllabus of Value Added Course

Certificate Course in Data Journalism

COURSE CODE: CCDJ	L: 2	T/P: 0	CREDITS: 2	Total Marks: 100
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Course overview:

Certificate Course in Computing Skills offers comprehensive training in essential computing concepts, tools, and applications. Covering areas such as programming fundamentals, database management, and web development, this course equips learners with the practical skills needed for today's digital world. Through hands-on exercises and real-world projects, students gain proficiency in software applications and develop problem-solving abilities. Whether pursuing a career in IT or enhancing existing skills, this course provides a solid foundation in computing.

Course outcomes:

- Demonstrate proficiency in essential computer applications such as word processing, spreadsheets, and presentations.
- Apply problem-solving techniques and logical thinking to tackle computing tasks effectively.
- Utilize digital tools and resources for efficient information retrieval and management.
- Develop the foundation for further exploration and utilization of advanced computing technologies and applications.

Module 1

1. Introduction to Data Journalism (3hrs)
2. Ethics and best practices in data journalism (2hrs)
3. Data Collection and Cleaning (4hrs)

Module 2

1. Data Analysis and Interpretation (6hrs)
2. Data Visualization (4hrs)

Module 3

1. Storytelling with Data (2hrs)
2. Data Journalism and Investigative Reporting (4hrs)

Module 4

1. Data Journalism Ethics and Legal Considerations (2hrs)
2. Case Studies in Data Journalism (3hrs)

Examination Scheme:

Components	Marks	Grading Marks
Quiz Tests/Class Assignments/Home Assignments	40	4
Seminar/ Class Presentations /Class Performance	30	3
Viva-voce	30	3
Total	100	10

References:

1. Digital Investigative Journalism: Data, Visual Analytics and Innovative Methodologies in International Reporting, Oliver Hahn and Florian Stalph.
2. Journalism in the Data Age, Dr. Jingrong Tong.
3. Bradshaw P. (2018). Data journalism teaching, fast and slow. Asia Pacific Media Educator, 28(1), 55–66. <https://doi.org/10.1177/1326365X18769395>.
4. Anderson C. W. (2018). Apostles of certainty: Data journalism and the politics of doubt. Oxford University Press.

**i. Approved in the 41st Meeting of the Departmental Academic Committee held on 24/07/2023
(Ref No. TIAS/DoJMC/DAC/2023-2024/41)**