



- **TITLE OF EVENT/ PROGRAMME (SEMINAR/ WEBINAR/ WORKSHOP/ EXTENSION LECTURE/ EXTENSION ACTIVITY/ ANY OTHER ACTIVITY):** SUMMER INTERNSHIP
- **THEME OF THE EVENT/ PROGRAMME:** ACQUIRING DATA (Level 1- AI Fundamentals of AIASCEND)
- **ACADEMIC SESSION:** 2023-2024
- **DATE:** 15/06/2024 - 30/06/2024
- **VENUE:** FUTURESKILL PRIME BY (NASSCOM)
- **OBJECTIVE/ PURPOSE:** To equip the students with the advances in Data Science
- **SPEAKER/S / RESOURCE PERSON/S:** Faculty of FUTURESKILL PRIME BY (NASSCOM)
- **TARGET AUDIENCE/ PARTICIPANTS:** Students of 2nd Semester
- **ATTENDANCE SHEET:** No
- **BRIEF REPORT ABOUT THE EVENT/ PROGRAMME:** The Summer Internship on Acquiring Data, hosted by Future Skills Prime in collaboration with NASSCOM, is designed to equip participants with the essential skills and knowledge needed to thrive in the data-driven world. This comprehensive course focuses on the core aspects of data acquisition, management, and validation, providing both theoretical foundations and practical, hands-on experience.

Objectives:

Foundational Understanding:

1. To introduce participants to fundamental concepts of data, including types, sources, and the role of data in modern businesses.

Big Data Insights:

1. To explore Big Data technologies and frameworks, enabling participants to understand and utilize large-scale data processing tools.

Practical Data Acquisition:

1. To teach various data collection techniques and methods, ensuring participants can effectively gather data from diverse sources.

Data Management and Storage:

1. To provide knowledge on different data storage solutions and how to manage and manipulate data using tools like pandas and SQL.

Ensuring Data Quality:

1. To emphasize the importance of data validation and introduce techniques to ensure data integrity and accuracy.

Course Structure:

The course is structured into several modules, each focusing on a critical aspect of data acquisition and management:

- **Introduction to Data:** Understanding what data is, its types, and sources.
- **Big Data Concepts and Frameworks:** Exploring Big Data characteristics, tools, and frameworks.

- **Data Acquisition Techniques:** Learning methods for collecting data from APIs, web scraping, and other sources.
 - **Data Storage Solutions:** Discussing databases, data lakes, and cloud storage.
 - **Data Validation Techniques:** Implementing validation checks to ensure data quality and integrity.
- **EXPECTED OUTCOME:** Students can integrate data from disparate sources, can transform data from one format to another, and can program data management in relational databases.
- **GEO-TAGGED PHOTOGRAPHS:**
- **SAMPLE CERTIFICATE:**



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