



iUniversity
BY IYDA

Executive Certificate in Data Engineering & Cloud Analytics

iUniversity by IYDA

Duration	5 Months
Course Hours of Learning	180 Hours
Mode	Online / Offline / Hybrid
Eligibility	10+2 / Graduate / Working Professionals
Level	Beginners to Advanced
Certification	Executive Certificate from iUniversity by IYDA

Module 1: Introduction to Data Engineering

Practical learning through hands-on labs, assignments, and real-world applications.

Module 2: Python & SQL for Data Engineering

Practical learning through hands-on labs, assignments, and real-world applications.

Module 3: Database Design & Data Warehousing

Practical learning through hands-on labs, assignments, and real-world applications.

Module 4: ETL Pipeline Development

Practical learning through hands-on labs, assignments, and real-world applications.

Module 5: Big Data Fundamentals

Practical learning through hands-on labs, assignments, and real-world applications.

Module 6: Apache Spark & Hadoop Ecosystem

Practical learning through hands-on labs, assignments, and real-world applications.

Module 7: Cloud Platforms for Analytics

Practical learning through hands-on labs, assignments, and real-world applications.

Module 8: Real-Time Data Processing

Practical learning through hands-on labs, assignments, and real-world applications.

Module 9: Data Governance & Security

Practical learning through hands-on labs, assignments, and real-world applications.

Module 10: Cloud Analytics & Visualization

Practical learning through hands-on labs, assignments, and real-world applications.

Module 11: Data Pipeline Automation

Practical learning through hands-on labs, assignments, and real-world applications.

Module 12: Capstone Project & Industry Case Studies

Practical learning through hands-on labs, assignments, and real-world applications.

Tools & Technologies Covered:

- Python
- SQL
- MySQL
- PostgreSQL
- Apache Spark
- Hadoop
- Apache Kafka
- AWS
- Microsoft Azure
- Google Cloud Platform
- Airflow
- Docker
- Power BI
- GitHub

Career Opportunities:

- Data Engineer
- Cloud Data Engineer
- Cloud Analytics Specialist
- Big Data Engineer
- ETL Developer
- Data Warehouse Engineer
- Analytics Engineer
- Data Integration Specialist
- Cloud Solutions Analyst
- Data Architect