

Course Name	Data Analysis with Python and SQL
QP Name & QP CODE	Data Analysis with Python and SQL – NIE/SSC/N1110
Course Code	G55
Course Duration	120 hrs
Credit	4
Sector	IT-ITeS
NSQF Level	5
Description	The "Data Analysis with Python and SQL" upskilling course provides participants with a comprehensive understanding of data analysis techniques using two powerful tools: Python programming language and SQL (Structured Query Language). Through hands-on exercises and real-world examples, participants learn to manipulate and analyze data using Python libraries like Pandas and NumPy. The course covers SQL queries for data extraction, transformation, and analysis, ensuring participants acquire a strong foundation in both languages. This dual-focus approach equips learners with the skills needed to handle large datasets, perform data cleaning and exploration, and derive meaningful insights for informed decision-making. Whether for business analysts, data scientists, or professionals seeking to enhance their analytical capabilities, this course offers a valuable skill set in the ever-evolving landscape of data analysis. Throughout the course, participants engage in practical scenarios, applying Python and SQL to solve real-world data problems. The curriculum includes topics such as data visualization, statistical analysis, and integrating Python and SQL for a holistic approach to data analysis. By the course's conclusion, participants are adept at leveraging Python and SQL for effective data-driven decision-making, making them valuable contributors to data-centric roles across various industries.
Progression Pathway	Data Analyst ,Database Analyst, Reporting Analyst
Qualification	UG Pursuing(No experience) PG Pursuing(No experience)
Mode Of Training	Offline Mode & Hybrid Mode
Department	Computer Science, Physics & Maths