

Foundation Program – 55

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| 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 | 30 hrs |
| Credit | 1 |
| Sector | IT-ITeS |
| NSQF Level | 5 |
| Description | <p>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.</p> |
| 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 |