



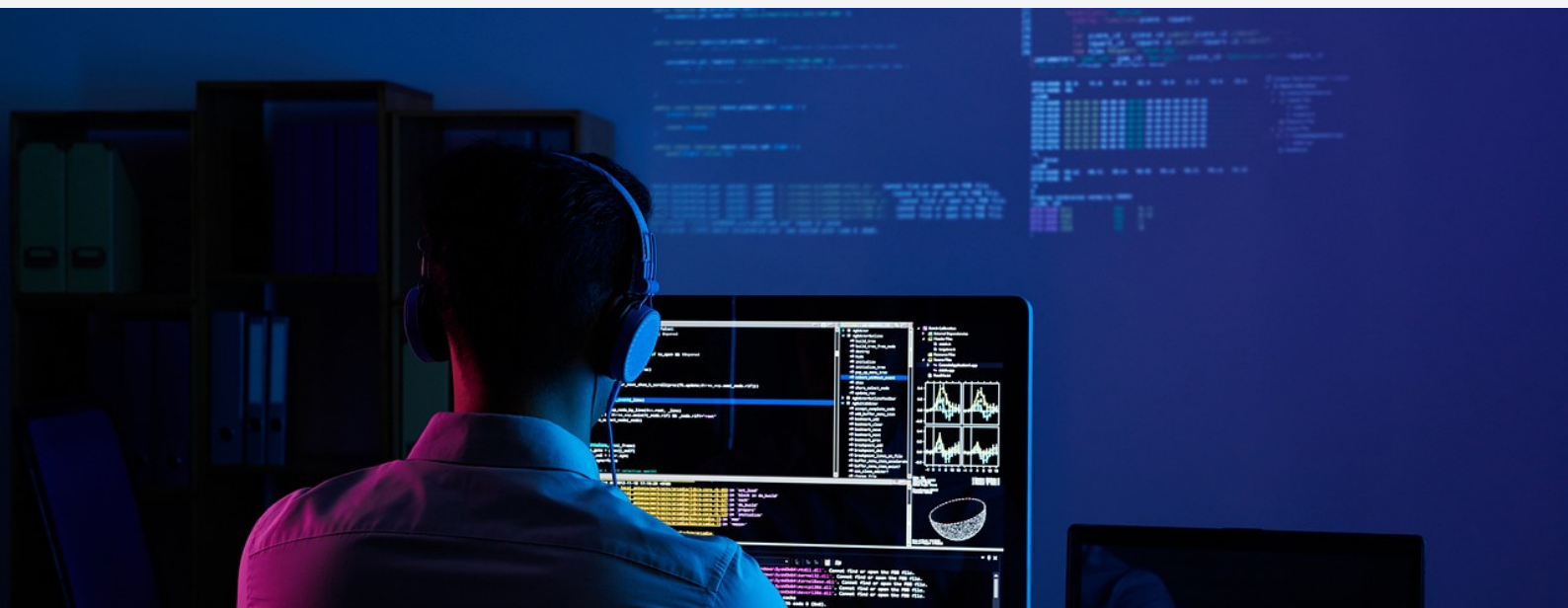
# ASP <CODING> COMPUTER BROCHURE

**ASP COMPUTER CODING INSTITUTE EMPOWERS STUDENTS WITH CUTTING-EDGE SKILLS, FOSTERING INNOVATION AND EXCELLENCE IN PROGRAMMING EDUCATION.**

“ Code unlocks innovation, empowers problem-solving, and shapes the future. Essential skills for every student. ”

# FULL-STACK DATA ANALYSIS

A full-stack data analyst manages the entire data workflow, from collecting and storing raw data to cleaning, analyzing, and visualizing it, ensuring seamless insights and data-driven decision-making.



## SYLLABUS & FEE STRUCTURE

| Syllabus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Duration | Fee (50% Off) |                          |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          | Down          | Installment              |
| <b>Month 1–2: Excel Basics &amp; Introduction to Data</b> <ul style="list-style-type: none"><li>- Excel interface &amp; navigation</li><li>- Basic formulas &amp; functions</li><li>- Data cleaning &amp; filtering</li><li>- Conditional formatting</li><li>- Charts and pivot tables</li><li>- Intro to data types and structures</li></ul> <b>Month 3: Python Fundamentals</b> <ul style="list-style-type: none"><li>- Installing Python, Jupyter Notebook, VS Code</li><li>- Variables, data types, conditionals</li><li>- Loops, functions, error handling</li><li>- List, Tuple, Dictionary, Set</li><li>- Working with files (CSV, TXT)</li></ul> | 12 Month | 38999/-       | 39999/-<br>6999(3000*11) |

## SYLLABUS & FEE STRUCTURE

| Syllabus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Duration | Fee (50% Off) |                          |
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| <b>Month 4–6: Data Analysis with Pandas &amp; Numpy</b> <ul style="list-style-type: none"> <li>- Introduction to Pandas: Series &amp; DataFrame</li> <li>- Reading/writing CSV, Excel, JSON</li> <li>- Data cleaning (missing values, duplicates)</li> <li>- Data wrangling &amp; transformation</li> <li>- GroupBy, Aggregation</li> <li>- Merging, joining, concatenation</li> <li>- Data visualization using Matplotlib &amp; Seaborn</li> </ul><br><b>Month 7–8: MySQL for Data Storage &amp; Queries</b> <ul style="list-style-type: none"> <li>- MySQL Installation &amp; Workbench usage</li> <li>- Basic SQL syntax (SELECT, WHERE, ORDER BY)</li> <li>- JOINS, GROUP BY, HAVING</li> <li>- Data types and table relationships</li> <li>- Connecting Python with MySQL (using mysql-connector or SQLAlchemy)</li> <li>- Storing &amp; retrieving data from MySQL</li> </ul><br><b>Month 9–10: Real-World Projects</b> <ul style="list-style-type: none"> <li>- Sales dashboard (Excel + Python)</li> <li>- Customer churn analysis (Pandas + SQL)</li> <li>- Data cleaning &amp; automation scripts</li> <li>- Building a mini data pipeline (import → clean → store → report)</li> </ul><br><b>Month 11: Advanced Topics</b> <ul style="list-style-type: none"> <li>- Working with APIs for data extraction</li> <li>- Web scraping basics (BeautifulSoup/Requests)</li> <li>- Time-series basics</li> <li>- Excel automation with Python (openpyxl, xlswriter)</li> </ul><br><b>Month 12: Capstone Project &amp; Placement Prep</b> <ul style="list-style-type: none"> <li>- Choose real-world dataset</li> <li>- End-to-end workflow: collect → clean → analyze → visualize</li> <li>- Present findings (dashboard/report)</li> <li>- Resume review, interview prep, mock interviews</li> </ul> | 12 Month | 38999/-       | 39999/-<br>6999(3000*11) |

## SYLLABUS & FEE STRUCTURE

| Syllabus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Duration | Fee (50% Off) |                          |
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| <p> <b>What You'll Need</b></p> <ul style="list-style-type: none"> <li>- Laptop/Desktop</li> <li>- Internet connection (for online learners)</li> <li>- Basic familiarity with computers</li> </ul> <p> <b>Outcomes</b></p> <p>By the end of this course, you'll be able to:</p> <ul style="list-style-type: none"> <li>- Perform real-world data analysis using Pandas</li> <li>- Clean and manipulate large datasets</li> <li>- Write SQL queries to interact with databases</li> <li>- Build dashboards &amp; reports</li> <li>- Automate data workflows</li> <li>- Qualify for roles like: Data Analyst, Junior Data Engineer, Reporting Analyst</li> </ul> <p> <b>Certifications &amp; Support</b></p> <ul style="list-style-type: none"> <li>- Certificate of Completion</li> <li>- Project Review &amp; Feedback</li> <li>- Career Guidance &amp; Placement Support (if offered)</li> </ul> | 12 Month | 38999/-       | 39999/-<br>6999(3000*11) |



# "AFFORDABLE TECHNICAL SKILLS WITH **ASP**."

**ASP COMPUTER CODING:  
AFFORDABLE TECHNICAL  
SKILL LEARNING IDEAL FOR  
STUDENTS.**

STUDENTS NEED TECHNICAL SKILLS FOR MODERN JOB DEMANDS, INNOVATION, PROBLEM-SOLVING, AND STAYING COMPETITIVE IN RAPIDLY EVOLVING INDUSTRIES.



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