COURSE SYLLABUS

FinTech Program Online (Self-Paced with Mentoring)

Learn Microsoft Excel, finance, stock market investing, and Python for data science in this interactive, self-paced online course for high school students.

> Group classes in Live Online and onsite training is available for this course. For more information, email corporate@nobledesktop.com or visit: https://www.nextgenbootcamp.com/certificates/fintech-program-online

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Course Outline

This package includes these courses

- Excel, Finance, & Investing (Self-Paced with Mentoring) (25 Hours)
- Python Data Science & AI Machine Learning (Self-Paced with Mentoring) (45 Hours)

Excel, Finance, & Investing (Self-Paced with Mentoring)

- Build beginner-to-advanced Excel skills, including formulas, Pivot Tables, and macros.
- Analyze financial data and company earnings using Excel-based modeling techniques.
- Learn core investment principles, including stock fundamentals, valuation, and risk.
- Understand financial statements and how they work together in real-world scenarios.
- Explore accounting concepts like EBITDA, depreciation, and cash flow analysis.
- Perform corporate valuation and assess whether a company is a good investment.

Python Data Science & AI Machine Learning (Self-Paced with Mentoring)

In this self-paced online program, high school students will explore Python programming, data science, and machine learning. From coding to building visualizations and predictive models, this course provides a strong foundation in tech-driven problem-solving.

- Master Python fundamentals like data types, conditionals, loops, and functions.
- Clean and manipulate real-world data using Pandas and NumPy.
- Process files, utilize string methods, and handle structured data.
- Create custom charts, histograms, and plots with Matplotlib.
- Apply machine learning techniques such as linear regression, classification, and K-nearest neighbors.
- Complete a capstone project to showcase your ability to analyze and present data insights.