

GUIDANCE POINT:- PUNE'S PREMIER EDUCATION HUB

Welcome to Guidance Point, your ultimate destination for comprehensive education and professional development! At Guidance Point, we believe in empowering individuals to unlock their full potential through accessible and high-quality education. With a vast array of courses covering all domains, from technology to arts, business to sciences, we strive to cater to the diverse learning needs of our users. Whether you're a student looking to enhance your academic performance, a professional aiming to upskill or reskill, or an enthusiast eager to explore new interests, Guidance Point is here to guide you every step of the way. What sets us apart is our commitment to excellence. We meticulously curate our course offerings, partnering with the best institutes and industry experts to ensure that you receive top-notch education that is both relevant and practical. Our platform leverages cutting-edge technology and innovative teaching methodologies to deliver engaging and immersive learning experiences.

BENEFITS:-

1. Comprehensive Course:

Our comprehensive course ensures thorough coverage of essential topics, equipping you with a well-rounded understanding of your subject matter, setting a strong foundation for your future endeavors.

2. Top Institute Partnerships:

Through our partnerships with leading institutes, you gain access to world-class resources, expert guidance, and prestigious

certifications, empowering you to excel in your field and stand out among your peers.

3. Advanced Learning Technology:

Leveraging advanced learning technology, we offer dynamic and interactive learning experiences, incorporating simulations, virtual labs, and multimedia resources to enhance comprehension and retention of complex concepts.

4. Supportive Community:

Join our vibrant and supportive community of learners, mentors, and industry professionals, where you can collaborate, seek advice, and find encouragement, fostering a conducive environment for growth and success.

5. Personalized Learning Paths:

Tailor your learning journey to suit your unique needs and goals with our personalized learning paths, allowing you to progress at your own pace and focus on areas that align with your interests and career aspirations.

6. Quality Assurance Standards:

Rest assured that our courses adhere to rigorous quality assurance standards, ensuring that you receive high-quality instruction, updated curriculum, and valuable resources that meet industry benchmarks and standards.

7. Interactive Learning:

Engage in dynamic and interactive learning experiences through our immersive course content, live sessions, quizzes, and discussions, promoting active participation, collaboration, and deeper understanding of the material.

8. Career Opportunities:

Explore abundant career opportunities and pathways in your chosen field, supported by our comprehensive curriculum, industry partnerships, and career services, empowering you to pursue your dream job and achieve professional success.

SYLLABUS

1: PRINCIPLES OF DATA VISUALIZATION

- Understanding the importance of data visualization in data science
- Exploring the key principles of effective data visualization, including encoding, perception, and design principles
- Learning how to choose the appropriate visualization types based on the data and the insights to be communicated

2: CHOOSING THE RIGHT VISUALIZATION TECHNIQUES

- Exploring different types of visualization techniques: Bar charts, line charts, scatter plots, histograms, etc.
- Understanding when to use each visualization technique based on the characteristics of the data and the analysis objectives
- Hands-on exercises to practice selecting the right visualization techniques for various scenarios

3: EXPLORATORY DATA ANALYSIS (EDA) WITH VISUALIZATIONS

- Introduction to exploratory data analysis (EDA) and its role in the data science workflow
- Using visualizations to explore and analyze datasets, identify patterns, trends, and outliers
- Hands-on exercises to perform EDA with visualizations using tools like Matplotlib and Seaborn

4: ADVANCED VISUALIZATION TECHNIQUES (INTERACTIVE PLOTS, DASHBOARDS)

- Exploring advanced visualization techniques, including interactive plots and dashboards
- Learning how to create interactive visualizations using tools like Plotly and Bokeh
- Designing and building interactive dashboards to present complex data in a user-friendly format

5: GEOGRAPHIC DATA VISUALIZATION

- Understanding the principles of geographic data visualization
- Exploring techniques for visualizing spatial data using maps and geographic information systems (GIS)
- Hands-on exercises to create geographic visualizations using libraries like Folium and GeoPandas

6: DESIGNING EFFECTIVE VISUALIZATIONS

- Learning best practices for designing effective visualizations, including principles of color theory, typography, and layout
- Understanding how to customize and style visualizations to enhance readability and visual appeal

- Hands-on exercises to apply design principles to create visually appealing and informative visualizations

7: DATA STORYTELLING WITH VISUALIZATIONS

- Understanding the importance of storytelling in data visualization
- Learning how to use visualizations to tell a compelling data story and communicate insights effectively
- Hands-on exercises to practice data storytelling with visualizations and create impactful data-driven narratives

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