

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. INTRODUCTION TO DOCKER AND CONTAINERIZATION

- Understanding containerization concepts
- Overview of Docker and its ecosystem
- Installation and setup of Docker on various platforms

2. DOCKER IMAGES AND CONTAINERS

- Creating Docker images using Dockerfiles
- Running and managing Docker containers
- Working with Docker registries (e.g., Docker Hub)

3. DOCKER NETWORKING AND VOLUMES

- Configuring networking for Docker containers
- Managing data persistence using volumes
- Implementing communication between Docker containers

4. DOCKER COMPOSE

- Introduction to Docker Compose
- Defining multi-container applications using Docker Compose files
- Deploying and managing multi-service applications with Docker Compose

5. DOCKER SWARM

- Understanding Docker Swarm for container orchestration
- Setting up a Docker Swarm cluster
- Deploying and scaling services in Docker Swarm

6. DOCKER SECURITY AND BEST PRACTICES

- Implementing security measures for Docker containers and images
- Securing Docker deployments using best practices
- Auditing and monitoring Docker containers for vulnerabilities

7. INTEGRATION AND ADVANCED TOPICS

- Integrating Docker with other technologies (e.g., Kubernetes, CI/CD pipelines)
- Exploring advanced Docker features and capabilities
- Leveraging Docker for cloud-native development and microservices architecture

8. HANDS-ON LABS AND PROJECTS

- Practical exercises and projects to reinforce learning
- Deploying and managing containerized applications in real-world scenarios
- Building Dockerized applications from scratch and optimizing Docker workflows

9. FINAL PROJECT PRESENTATION

- Presenting the final project to peers and instructors
- Receiving feedback and suggestions for improvement
- Building a portfolio showcasing completed projects

10. CAREER DEVELOPMENT

- Resume building and job interview preparation
- Exploring job opportunities in web development
- Networking tips and strategies for career advancement