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 NODE.JS

- Understanding Node.js and its architecture
- Setting up the Node.js development environment
- Creating your first Node.js application
- Introduction to npm (Node Package Manager)

2. ASYNCHRONOUS JAVASCRIPT

- Understanding asynchronous programming in Node.js
- Working with callbacks, promises, and async/await
- Handling errors in asynchronous code
- Best practices for asynchronous programming in Node.js

3. EXPRESS.JS FRAMEWORK

- Introduction to Express.js framework for building web applications
- Setting up routes and middleware in Express.js
- Handling requests and responses
- Templating engines and views in Express.js

4. WORKING WITH DATA

- Introduction to databases in Node.js (MongoDB, MySQL, etc.)
- Using MongoDB with Node.js for database operations
- Performing CRUD operations with Mongoose ODM (Object Data Modeling)
- Error handling and validation in database operations

5. AUTHENTICATION AND AUTHORIZATION

- Implementing authentication and authorization in Node.js applications
- Using JWT (JSON Web Tokens) for token-based authentication
- Securing routes and endpoints in Express.js applications
- Best practices for handling user authentication and authorization

6. RESTFUL APIS

- Introduction to RESTful APIs and their principles
- Building RESTful APIs with Node.js and Express.js
- Handling HTTP methods (GET, POST, PUT, DELETE)
- Testing and documenting RESTful APIs

7. MIDDLEWARE AND ERROR HANDLING

- Understanding middleware in Express.js
- Creating custom middleware for request processing
- Implementing error handling middleware
- Logging and debugging techniques in Node.js applications

8. ADVANCED TOPICS AND PROJECT

- Deploying Node.js applications to production servers
- Performance optimization techniques for Node.js applications
- Implementing real-time communication with WebSockets
- Building a full-fledged Node.js project from scratch