AiNS Computer Institute

CYPRESS

"Unlocking Seamless Performance: Cypress Testing Reinvented."

TESTING

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ainscomputerinstitute.com

What is Cypress Testing?

Cypress testing refers to the practice of using Cypress, an open-source end-to-end testing framework, to automate the testing of web applications. Cypress provides developers and QA engineers with a robust set of tools for writing, running, and debugging tests directly within the browser. It offers features like real-time interactive test runs, automatic waiting, and time-traveling debugging, which streamline the testing process and make it more efficient. Cypress testing allows teams to ensure the functionality, performance, and user experience of their web applications by simulating user interactions and validating expected behaviors across different browsers and environments. Overall, Cypress testing enables teams to deliver high-quality web applications with confidence.
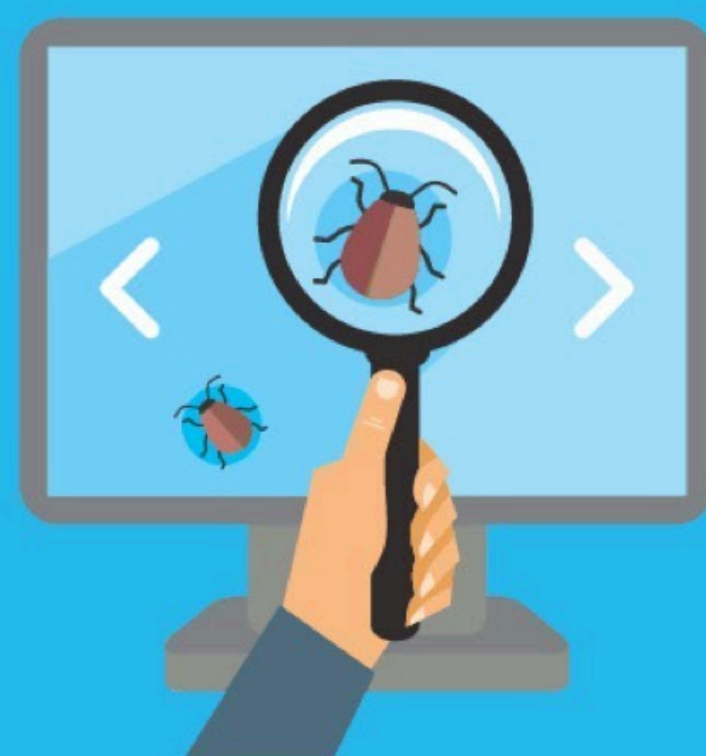
Who are supposed to pursue Cypress Testing?

Individuals who are involved in web development and quality assurance (QA) processes are well-suited to pursue Cypress testing. This includes:

1. **Web Developers**: Developers who work on web applications can benefit from Cypress testing to ensure their code behaves as expected and remains functional across various scenarios and environments.

2. **QA Engineers/Testers**: QA engineers and testers can use Cypress testing to automate repetitive testing tasks, streamline the testing process, and improve the overall quality of web applications.

3. **DevOps Engineers**: DevOps engineers can integrate Cypress tests into their continuous integration/continuous deployment (CI/CD) pipelines to automate testing and ensure code changes do not introduce regressions or bugs.

4. **Quality Assurance Analysts**: QA analysts responsible for manual testing can learn Cypress testing to expand their skill set and enhance their ability to test web applications more efficiently.

5. **Software Engineers**: Software engineers interested in testing automation and improving the reliability of their web applications can pursue Cypress testing to gain proficiency in this modern testing framework.
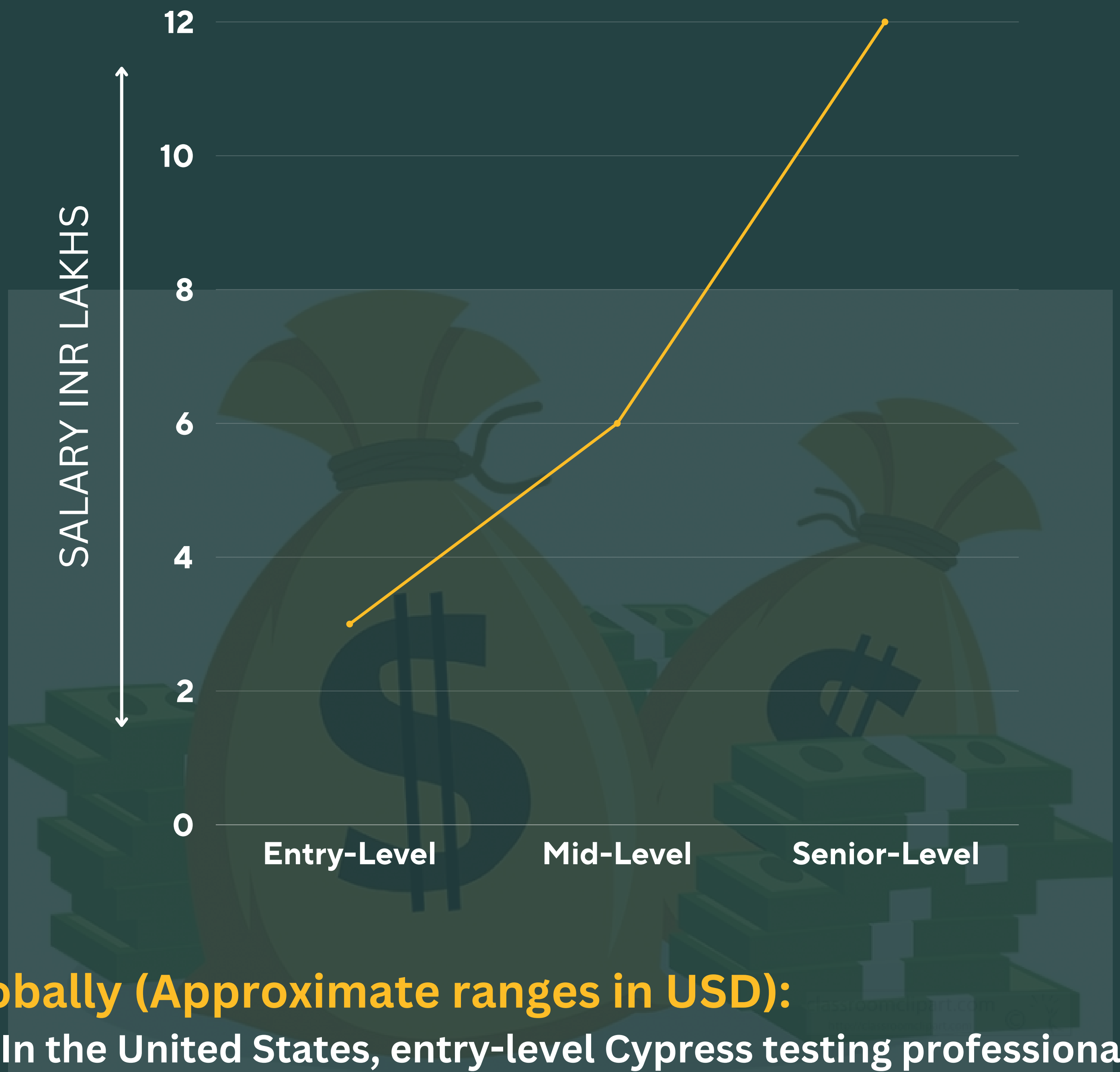
Overall, anyone involved in the development, testing, or deployment of web applications can benefit from learning and pursuing Cypress testing to enhance their skills and contribute to the delivery of high-quality web experiences.

DEMAND?

- Cypress testing has been gaining popularity worldwide, driven by several factors:
- Rise of Web Applications: With the increasing reliance on web applications for various purposes, the demand for robust testing solutions has grown. Cypress, being specifically designed for web application testing, has become a preferred choice for many development teams.
- Automation Trends: The trend towards automation in software testing has accelerated, fueled by the need for faster release cycles and more reliable software. Cypress offers powerful automation capabilities that cater to these demands.
- Ease of Use: Cypress's intuitive API and developer-friendly features have made it accessible to a wide range of users, including developers, QA engineers, and testers. Its ability to write tests in JavaScript and its clear, concise syntax contribute to its popularity.
- Continuous Integration/Continuous Deployment (CI/CD) Practices: As organizations embrace CI/CD practices to streamline software delivery, automated testing frameworks like Cypress play a crucial role in ensuring the quality of code changes before deployment.
- Community Support and Adoption: Cypress has built a strong community of users and contributors who actively share resources, best practices, and plugins, further fueling its adoption worldwide.

SALARY EXPECTATIONS

SALARY INR LAKHS

12		
10		
8		
6		
4		
2		
0		

Entry-Level   Mid-Level   Senior-Level

Globally (Approximate ranges in USD):

1. In the United States, entry-level Cypress testing professionals typically earn between **$50,000 to $80,000 USD per year.**
2. Mid-level Cypress testing professionals may earn salaries ranging from **$80,000 to $120,000 USD annually.**
3. Senior Cypress testing professionals or QA leads can earn salaries **exceeding $120,000 USD per year.**

TOP COMPANIES HIRING

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AWS Select Consulting
Partners

salesforce partner

Salesforce Partners

Microsoft
Gold Partner

Microsoft Gold
Partners

DELL Boomi

Dell Boomi Partners

IBM | SI Partner
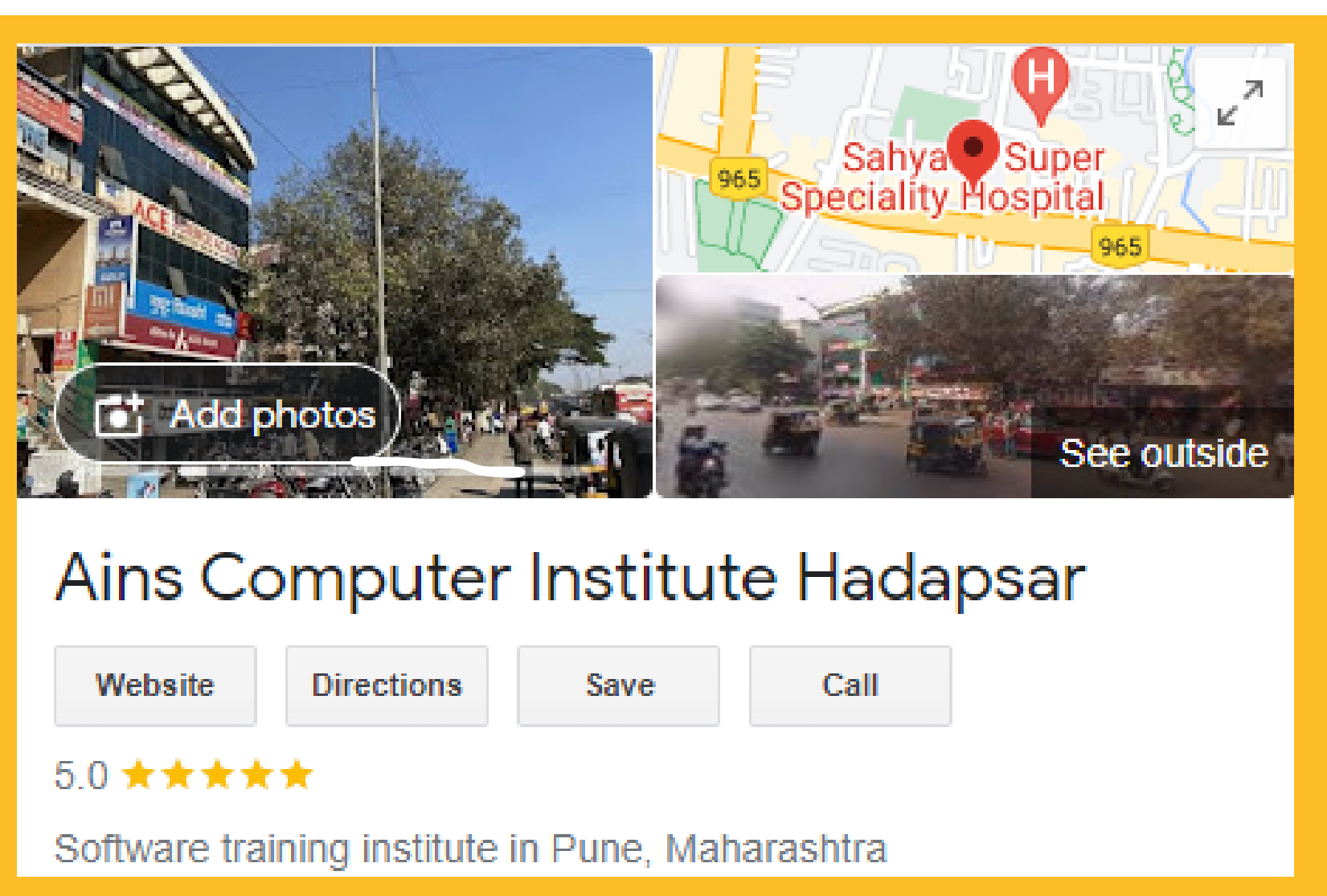
IBM SI Partner

Kentico
Bronze Partner

Kentico Bronze Partner

WHY AiNS?

"AiNS Computer Institute" stands out as the premier choice for Cypress testing courses due to its exceptional curriculum and esteemed faculty. With a focus on hands-on training and real-world applications, the institute ensures students receive comprehensive instruction in Cypress testing methodologies and tools. Led by experienced instructors with a wealth of industry experience, students benefit from personalized guidance and mentorship throughout their learning journey. The faculty's deep expertise and commitment to excellence equip students with the skills and knowledge needed to excel in Cypress testing, making AiNS Computer Institute the top destination for aspiring professionals seeking to advance their careers in software testing.

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5.0 ★★★★★

Software training institute in Pune, Maharashtra

BENEFITS at AiNS

1	**Expert Faculty**
2	**Industry-Relevant Curriculum**
3	**Career Guidance & Opportunities**
4	**Recognized ISO Certification**
5	**Real-World Data Analysis Projects**
6	**Access to Premium Tools and Datasets**
7	**Get Interview Ready & Resume Building**
8	**100% Job Assistance**

An ISO 9001:2015 Certified

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Office No.2, 3rd Floor, Aryan Centre, Solapur Road, Above Axis Bank, Opposite Vaibhav Theatre, Anu Nagar, Hadapsar, Pune-411028

Certificate of Completion

This Certificate is presented to __SAMPLE__ for successfully completing his/her course in __SAMPLE__ by securing __99%__

(This percentage is based on student's Practical & Written examination)

We wish him/her success in life.

Nasir Hassan Nasir Hassan Khan
Khan
Digitally signed by
Date: 2024.03.16
16:08:40 +05'30'

AUTHORISED SIGNATORY
DIRECTOR

OUR CERTIFICATION:

ISO course certification offers several advantages:

1. International Recognition: ISO certifications are globally recognized, demonstrating compliance with international standards and best practices.
2. Enhanced Credibility: Certification enhances the credibility and reputation of the organization, instilling confidence in customers, stakeholders, and partners.
3. Improved Efficiency: ISO standards often focus on improving processes, leading to increased efficiency, reduced waste, and cost savings.
4. Market Access: Certification can provide easier access to new markets, as many contracts and tenders require ISO certification as a prerequisite.
5. Risk Management: ISO standards help identify and mitigate risks, ensuring better management of potential threats to the organization.
6. Customer Satisfaction: Compliance with ISO standards often leads to higher customer satisfaction due to improved quality and consistency of products or services.
7. Competitive Advantage: Certification can give a competitive edge by demonstrating commitment to quality, safety, and environmental responsibility.
8. Legal Compliance: ISO standards often align with legal requirements, ensuring compliance and reducing the risk of penalties or legal issues.
9. Continuous Improvement: ISO certification encourages a culture of continuous improvement, leading to ongoing refinement of processes and performance.
10. Employee Morale: Employees often take pride in working for a certified organization, leading to increased morale and motivation.

SYLLABUS

- Cypress - Introduction
- Cypress - Architecture and Environment Setup
- Cypress - Get Command
- Cypress - Test Runner
- Cypress - Build First Test
- Cypress - Supported Browsers
- Cypress - Basic Commands
- Cypress - Variables
- Cypress - Aliases
- Cypress - Locators
- Cypress - Assertions
- Cypress - Text Verification
- Cypress - Asynchronous Behavior
- Cypress - Working with XHR
- Cypress - jQuery
- Cypress - Checkbox
- Cypress - Tabs
- Cypress - Dropdown
- Cypress - Alerts
- Cypress - Child Windows
- Cypress - Hidden Elements
- Cypress - Frames
- Cypress - Web Tables
- Cypress - Mouse Actions
- Cypress - Cookies
- Cypress - Get and Post
- Cypress - File Upload
- Cypress - Data Driven Testing
- Cypress - Prompt Pop-up Window
- Cypress - Dashboards

- **Cypress - Screenshots and Videos**
- **Cypress - Debugging**
- **Cypress - Custom Commands**
- **Cypress - Fixtures**
- **Cypress - Environment Variables**
- **Cypress - Hooks**
- **Cypress - Configuration of JSON File**
- **Cypress - Reports**
- **Cypress - Plugins**
- **Cypress - GitHub**
- **Cypress - Commands - UI Interaction Commands**
- **Cypress - Get & Find Command**
- **Cypress - Text Validations**

Mini Project(S):

- **Load Testing with Cypress**
- **Page Object Pattern in Cypress (optional: Paid-3-4 lectures)**
- **BDD Automation Framework (optional: Paid 3-4 lectures)**

Other:

- **Practicals**
- **Special handwritten Notes**