



Software Testing (Online & Offline)

TRAINING DURATION

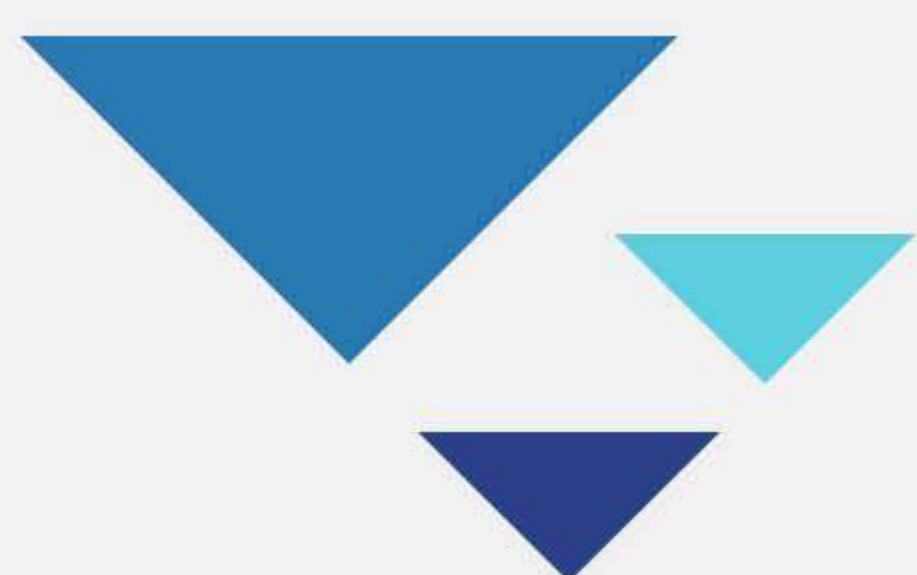
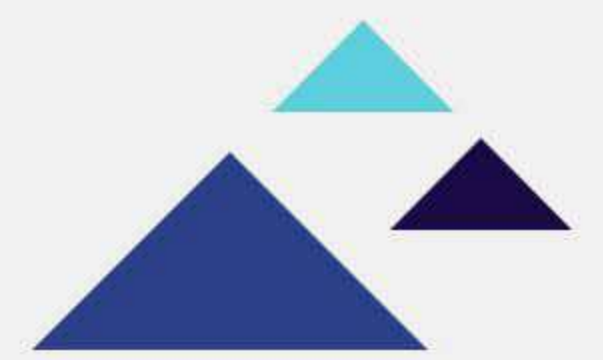
3 Months





Software Testing (Online & Offline)

- ▶ About the company
- ▶ Learning outcomes
- ▶ What are the benefits of Work Experience
- ▶ Syllabus
- ▶ Trainer Profile
- ▶ Mock Interview
- ▶ Placement Support
- ▶ Training Completion





ABOUT THE COMPANY?

I2ispecialist Technologies Private Limited is a preferred software development & Digital Marketing Company in Pune. We have an excellent & well organized team of IT Experts who always believe in continuous learning. Discovering new ideas and implementing innovative developing and Digital Marketing strategies. I2ispecialist technologies provide 100% learning platform to help individuals develop their professional potential in the most engaging platform.

I2ispecialist Technologies focused on helping working professionals to learn, grow and move up in their career with deep knowledge of projects and architectures designed by IT Experts. We focus on practical sessions with core knowledge according to industry demand with latest technology. Learners will get the opportunities to work with industry experts on live projects. The internship has been designed keeping in mind that the future belongs to the developers who can think and implement end-to-end.

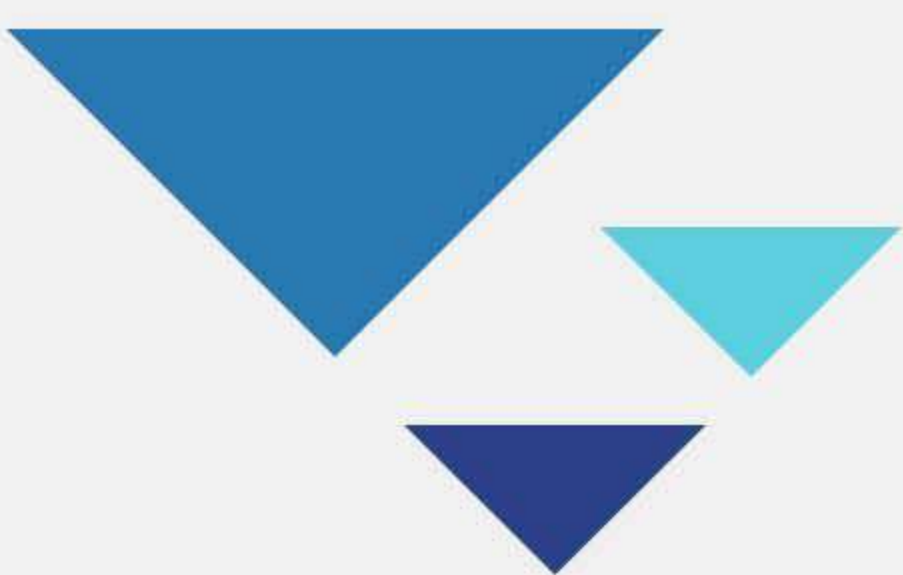
I2ispecialist belongs to Software development, Digital Marketing, Full Stack Development, Mobile Application.

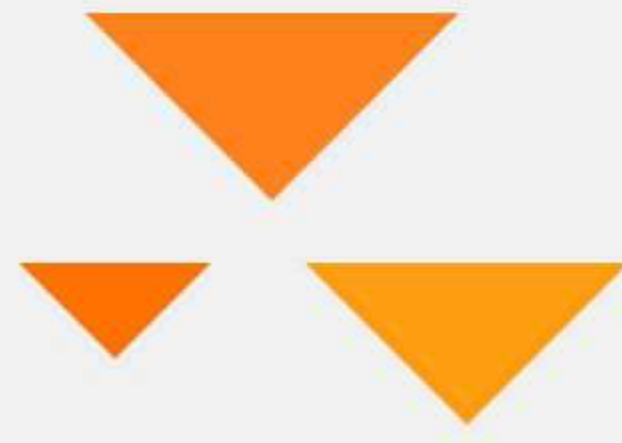




-WHY I2ISPECIALIST-

1. Expert IT Professionals
2. Technical Support Experts
3. Programing Experts
4. Demanding industrial oriented Architecture
5. Learn up to become a developer
6. Opportunities to work National & International project
7. 100% Knowledge Guaranty.
8. Focus to improve Logical thinking against programs.
9. Job Opportunities
10. Become an Software Expertise





WHAT ARE THE BENEFITS OF WORK EXPERIENCE?

1. Employability

A set of achievements, skills, understandings and personal attributes that make graduates more likely to gain employment and be successful in their chosen occupations, which benefits themselves, the workforce, the community and the economy.

2. Employability skills include:

1. Self-management
2. Communication
3. Teamwork
4. Problem solving
5. Creativity & innovation
6. Taking responsibility
7. Commercial/business awareness
8. Social, cultural & global awareness
9. Time management
10. Decision making/initiative
11. Interpersonal skills
12. Motivation/drive
13. Flexibility/adaptability
14. Organisation/planning
15. Project management





SOFTWARE TESTING



INTRODUCTION OF SOFTWARE TESTING

- WHAT IS SOFTWARE TESTING
- WHAT IS QUALITY
- IMPORTANCE OF TESTING
- TOOLS USED FOR TESTING
- MANUAL AND AUTOMATION TESTING
- PRINCIPLES OF SOFTWARE TESTING

SOFTWARE DEVELOPMENT LIFE CYCLE

- SDLC AND SDLC PHASES
- REQUIREMENTS AND ANALYSIS
- DESIGN
- DEVELOPMENT
- TESTING
- DEPLOYMENT
- OPERATION AND MAINTENANCE

SDLC MODELS

- WATERFALL MODEL
- V MODEL
- SPIRAL MODEL
- ITERATIVE MODEL
- AGILE MODEL

DEVELOPMENT ARCHITECTURES

- ONE TIER ARCHITECTURES
- TWO TIER ARCHITECTURES
- THREE TIER ARCHITECTURE
- N-TIER ARCHITECTURE

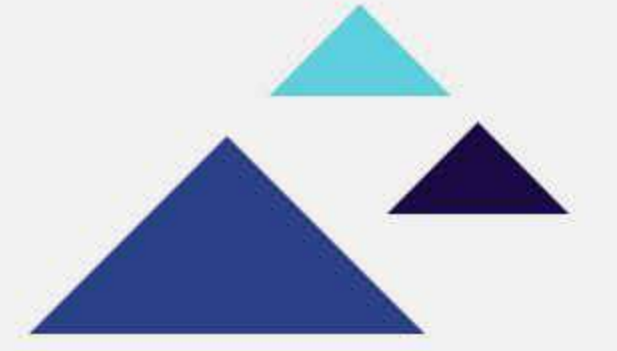
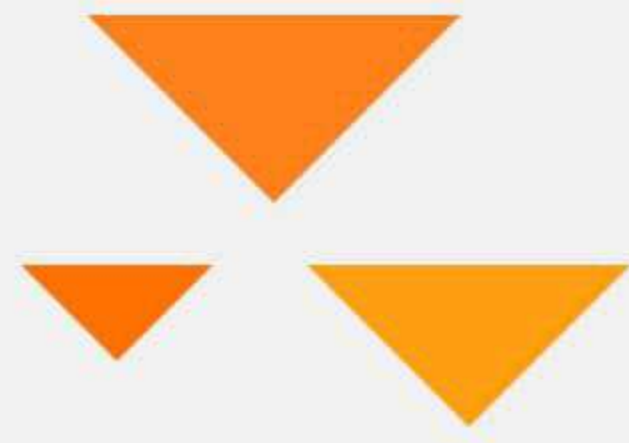
SOFTWARE TESTING LIFE CYCLE

- WHAT IS STLC?
- ENTRY AND EXIT CRITERIA
- STLC PHASES
- REQUIREMENT ANALYSIS
- TEST PLANNING
- TEST DESIGN
- TEST EXECUTION
- SIGN OFF
- TEST SCENARIO PREPARATION
- TEST CASE PREPARATION
- TEST ENVIRONMENT AND TEST DATA PREP
- REQUIREMENT TRACEABILITY MATRIX

LEVELS OF TESTING

- TESTING TECHNIQUES USED IN LEVELS OF
- WHITE BOX TESTING TECHNIQUE
- BLACK BOX TESTING TECHNIQUE
- UNIT TESTING
- INTEGRATION TESTING
- SYSTEM TESTING
- FUNCTIONAL TESTING
- NON FUNCTIONAL TESTING
- USER ACCEPTANCE TESTING





TYPES OF TESTING

- FUNCTIONAL TESTING
- WHITE BOX TESTING
- BLACK BOX TESTING
- POSITIVE TESTING
- NEGATIVE TESTING
- BETA TESTING
- LIVE ENVIRONMENT TESTING
- SMOKE TESTING
- SANITY TESTING
- REGRESSION TESTING
- FORMAL TESTING
- INFORMAL TESTING
- MONKEY TESTING
- RE-TESTING
- RISK BASED TESTING
- NON FUNCTIONAL TESTING
- PERFORMANCE TESTING
- LOAD/STRESS TESTING
- USABILITY TESTING
- ACCESSIBILITY TESTING
- SECURITY TESTING

EFFECTIVE SOFTWARE METRICS

- TEST CASE PRODUCTIVE PREPRATION
- TEST EXECUTION SUMMARY
- TEST CASE COVERAGE
- DEFECT ACCEPTANCE
- DEFECT REJECTION
- TEST EFFICIENCY
- EFFORT VARIANCE
- SCHEDULE VARIANCE

REQUIREMENTS TRACEABILITY MATRIX (RTM)

- FORWARD TRACEABILITY
- BACKWARD TRACEABILITY
- BI-DIRECTIONAL TRACEABILITY
- EXAMPLES OF RTM
- TEST COVERAGE

TESTING TECHNIQUES

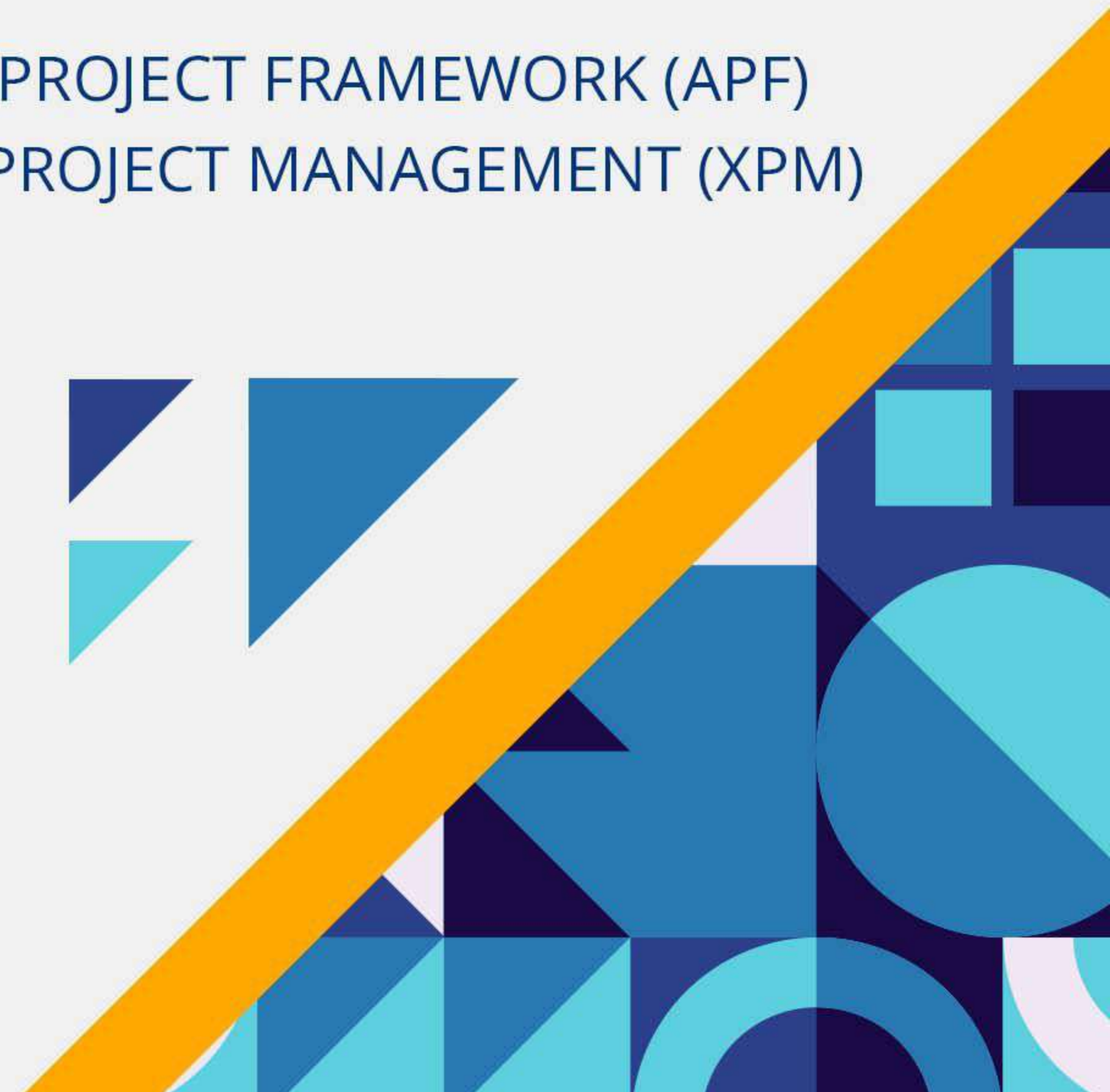
- EQUIVALENCE CASE PARTITION
- STATE TRANSITION TECHNIQUE
- DECISION TABLE TECHNIQUE
- BOUNDARY VALUE ANALYSIS
- ERROR GUESSING TECHNIQUE
- ADHOC TESTING

DEFECT MANAGEMENT

- DIFFERENCE BETWEEN DEFECT AND BUG
- DEFECT LIFE CYCLE
- DEFECT TACKING TOOLS
- CREATE A BUG REPORT
- RAISE A BUG IN JIRA
- SEVERITY & PRIORITY

AGILE METHODOLOGIES

- AGILE METHODOLOGIES OVERVIEW
- AGILE SCRUM
- AGILE CEREMONIES
- AGILE ARTIFACTS
- KANBAN
- ADAPTIVE PROJECT FRAMEWORK (APF)
- EXTREME PROJECT MANAGEMENT (XPM)



AGILE SCRUM

- WHY WE GO FOR AGILE?
- AGILE MANIFESTOS AND SCRUM
- ROLES INVOLVED IN AGILE
- TERMINOLOGIES USED IN AGILE

CEREMONIES IN AGILE

- SPRINT GROOMING
- SPRINT PLANNING
- DAILY SCRUM MEETING
- SPRINT REVIEW
- SPRINT RETROSPECTIVE

QTEST

- TEST PLAN:RELEASES AND BUILDS
- REQUIREMENTS
- CREATING TESTCASES
- CREATING AND USING PARAMETERS
- USING DATA QUERY
- EXECUTING TEST RUNS AND SUBMITTING DEFECTS
- COMPLEX SCENARIO
- SETTING UP QTEST EXPLORER(WEB AND DESKTOP)
- USING QTEST EXPLORER(WEB AND DESKTOP)

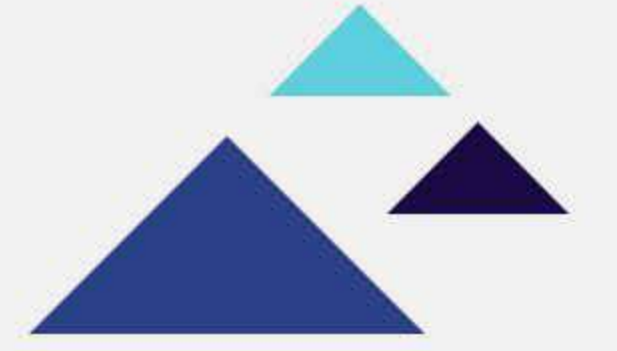
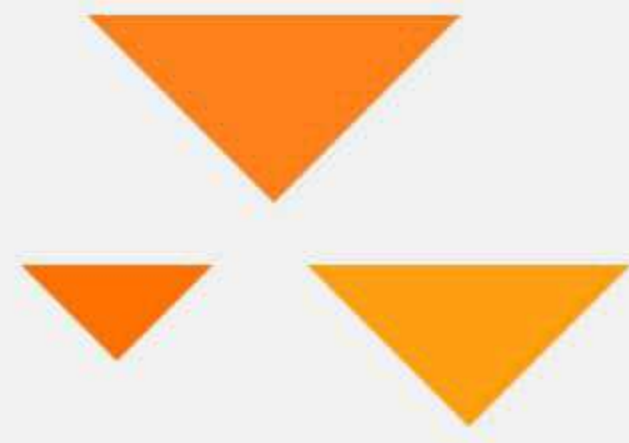
BUGZILLA

- LOG-IN TO BUGZILLA ACCOUNT
- CREATING A BUGREPORT
- CREATE GRAPHICAL REPORTS
- USING BROWSE FUNCTION
- SIMPLE SEARCH OPTION IN BUGZILLA
- ADD OR REMOVE COLUMN TO DEFAULT SEARCH SCREEN
- ADVANCE SEARCH OPTION IN BUGZILLA
- USING PREFERENCES IN BUGZILLA

ALM

- INTRODUCING HP ALM
- RELEASE SPECIFICATIONS
- REQUIREMENTS SPECIFICATIONS MODULE IN HP ALM
- TEST PLAN MODULES
- DEFECT MANAGEMENT LIFE CYCLE
- REPORT & ANALYSIS





JIRA

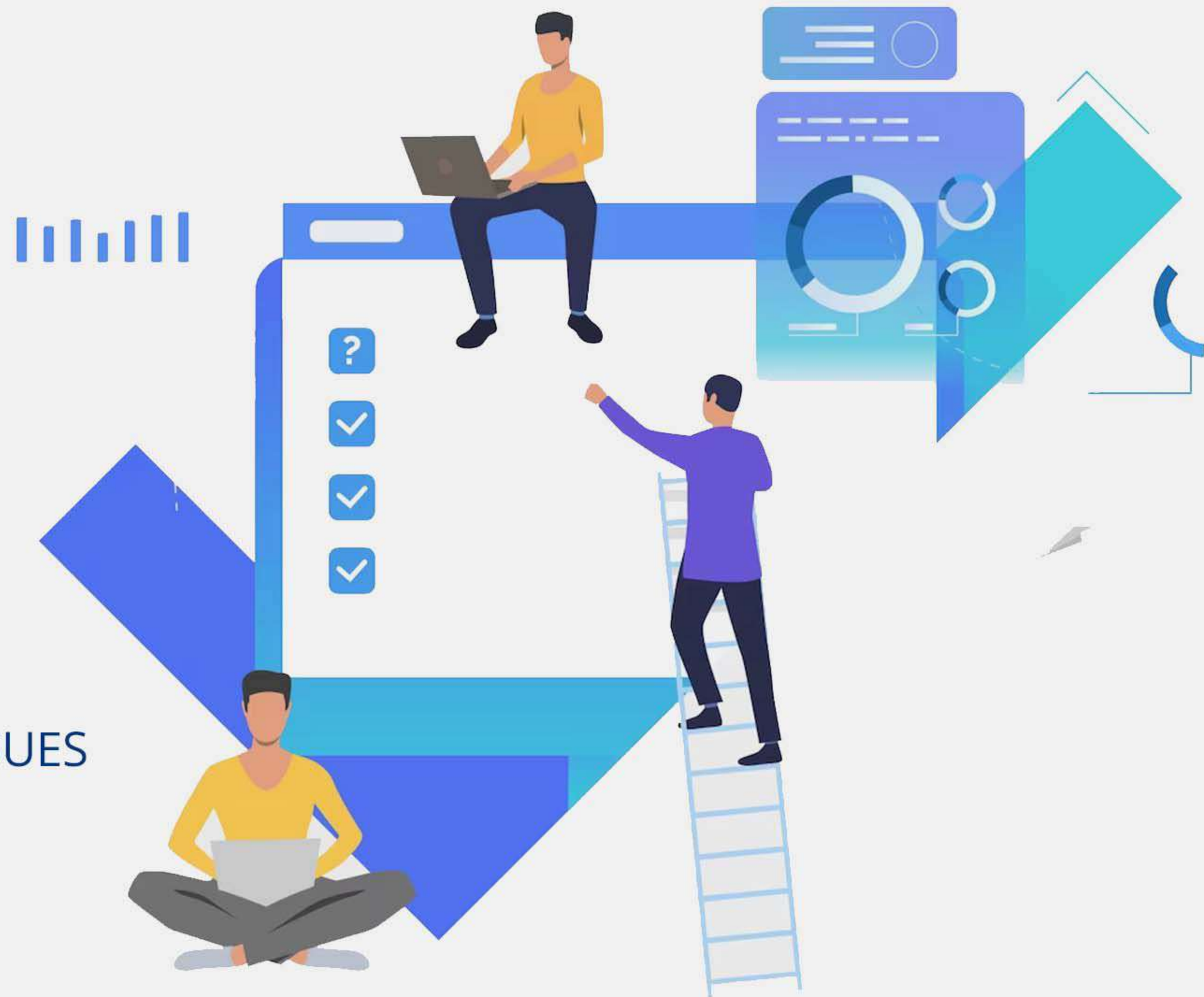
- INTRODUCTION TO JIRA
- TEST MANAGEMENT IN JIRA
- ADVANCED SEARCH AND INTRODUCTION TO JQL (JIRA QUERY LANGUAGE)
- GENERATING REPORTS IN JIRA
- INTRODUCTION TO JIRA AGILE
- CREATE AN ISSUE IN JIRA
- SUB-TASK
- WORKFLOWS
- PLUG-INS IN JIRA
- JIRA AGILE
- CREATING ISSUE IN AGILE
- HOW TO CREATE AN EPIC IN AGILE
- USE OF CLONE AND LINK IN JIRA
- REPORTS IN JIRA
- KANBAN BOARD AND MANAGING ISSUES
- JIRA SCRUM VS JIRA KANBAN

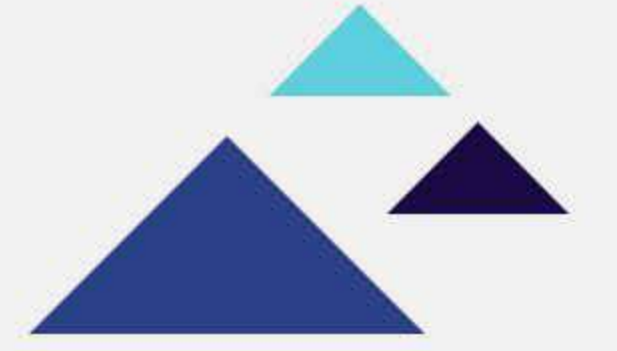
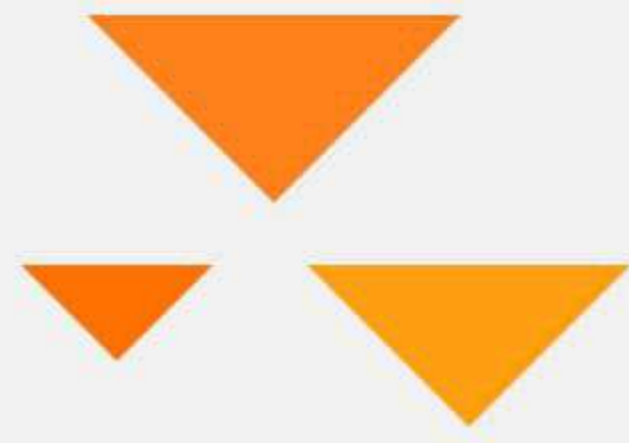
BACKLOG

- EASY BUG TRACKING TOOL
- SEARCH AND ADVANCED SEARCH FEATURES
- FULL HISTORY OF ISSUE UPDATES AND STATUS CHANGES
- PROJECT AND ISSUES WITH SUBTASKS
- GIT AND SVN BUILT-IN
- GANTT CHARTS AND BURNDOWN CHARTS
- WIKIS AND WATCHLISTS
- NATIVE MOBILE APPS

LIVE TESTING PROJECTS

- TRAVEL DOMAIN EXPLANATION
- ECOMMERCE DOMAIN EXPLANATION
- BANKING DOMAIN EXPLANATION
- INSURANCE DOMAIN EXPLANATION
- HEALTHCARE DOMAIN EXPLANATION
- EDUCATIONAL DOMAIN EXPLANATION
- KANBAN-STYLE BOARDS FOR VISUAL WORKFLOW





AUTOMATION TESTING

1. BENEFITS OF AUTOMATION TESTING
2. WHAT AND WHEN TO AUTOMATE
3. INTRODUCTION TO AUTOMATION TOOLS
4. COMPARISON WITH OTHER TOOLS LIKE QTP/ UFT , RFT

SELENIUM

1. INTRODUCTION OF SELENIUM

EXPLANATION OF SELENIUM AND ITS ADVANTAGES
DIFFERENCES BETWEEN SELENIUM AND QTP

2. COMPONENTS OF SELENIUM

SELENIUM IDE
SELENIUM RC
SELENIUM GRID
SELENIUM WEBDRIVER

3. SELENIUM JAVA LANGUAGE

INTRODUCTION
DATA TYPES
JAVA VARIABLES
JAVA MODIFIER
COMMENTS IN JAVA
CORE JAVA
EXECUTION OF JAVA

4. INTRODUCTION OF SELENIUM IDE

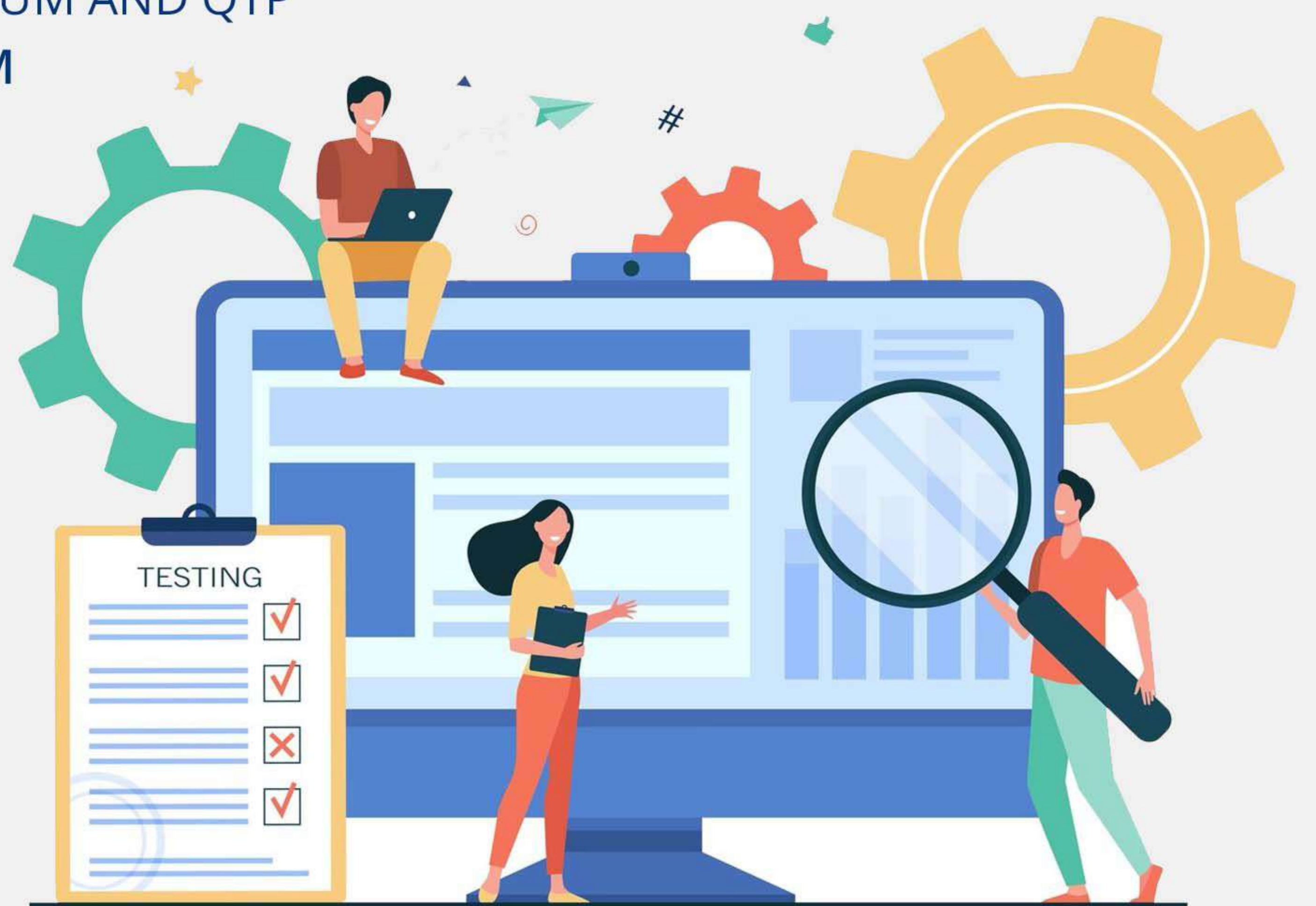
MAIN FEATURES OF SELENIUM IDE
INSTALLING SELENIUM IDE
TEST WITH SELENIUM IDE

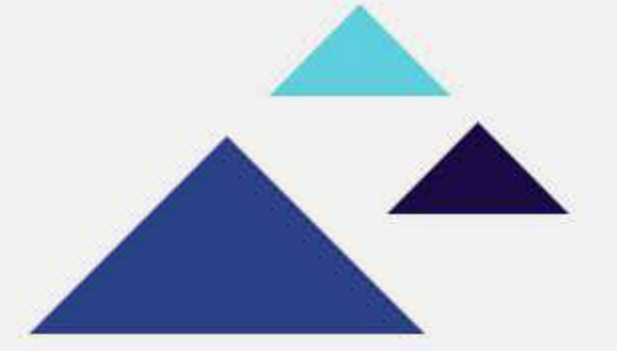
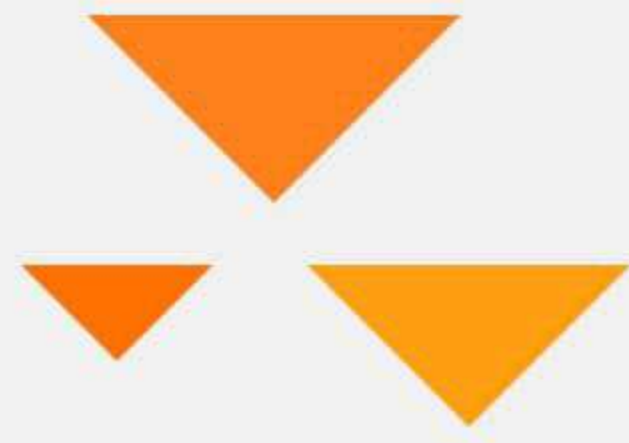
5. SELENIUM WEBDRIVER

INTRODUCTION TO SELENIUM WEBDRIVER
SETTING UP ECLIPSE
DOWNLOADING AND CONFIGURING WEBDRIVER IN ECLIPSE

6. SELENIUM WEBDRIVER COMMANDS

GET COMMANDS
NAVIGATE COMMANDS
ELEMENT VISIBILITY COMMANDS
OTHER COMMANDS





7. LOCATORS OF SELENIUM (WEBDRIVER)

TOOLS TO IDENTIFY ELEMENTS AND OBJECT

GOOGLE CHROME DEVELOPER TOOLS

LOCATING ELEMENTS BY ID, NAME, LINKTEXT, CLASSNAME ETC.

XPATH , TYPES IN X-PATH

8. ADVANCED FEATURES IN SELENIUM

HANDLING POP UP / ALERT WINDOW

DROP DOWN OPERATION

SCROLL DOWN/UP

RIGHT CLICK OPERATION

9. CONCEPT OF FRAMEWORK

INTRODUCTION TO FRAMEWORK

USE OF FRAMEWORK

DIFFERENT TYPES OF FRAMEWORK

DIFFERENT TYPES OF PACKAGES IN FRAMEWORK

10. TESTNG FRAMEWORK

INTRODUCTION TO TESTNG

SETTING UP ECLIPSE

DOWNLOADING AND CONFIGURING TESTNG IN WEBDRIVER

FUNCTIONALITY PROVIDED BY TESTNG

PARALLEL TESTING

REPORT GENERATION

11. DATA DRIVEN FRAMEWORK

DATA DRIVEN TESTING

APACHE POI LIBRARY AND INSTALLATION

ADVANTAGES OF USING DATA DRIVEN FRAMEWORK

12. API TESTING

13. INTRODUCTION TO DATABASES

RELATIONAL DATABASES

INTRODUCTION SQL

AGGREGATION, RELATIONSHIPS, JOINS

14. BASICS OF WEB DEVELOPMENT

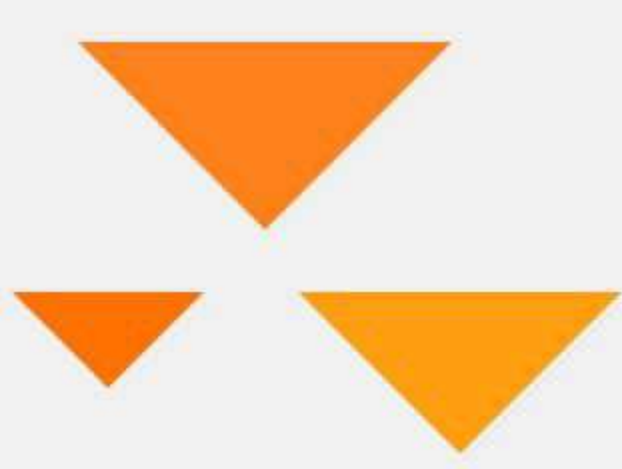
HTML

CSS

BOOTSTRAP

JAVASCRIPT

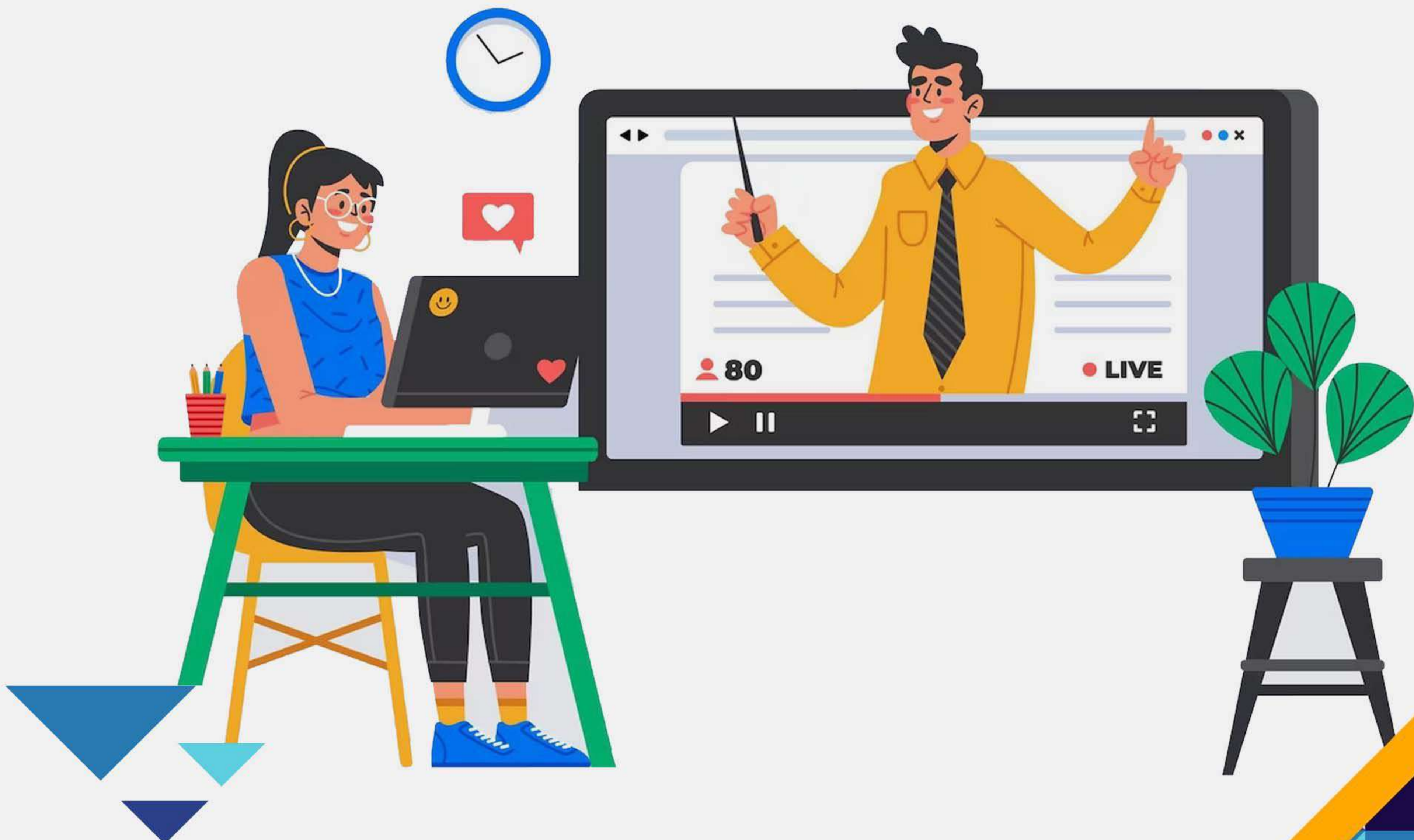




TRAINER PROFILE:

Experienced and results-driven Digital Marketing Trainer with a proven track record of empowering individuals and teams to excel in the dynamic field of digital marketing. Adept at creating comprehensive training programs that cover various aspects of digital marketing, including SEO, SEM, social media marketing, content marketing, and analytics. Passionate about staying abreast of industry trends and leveraging practical insights to foster a hands-on learning environment.

- More than 7+ Years of Experience.
- Trained more than 500+ students in a year.
- Strong Theoretical & Practical Knowledge.
- Certified Professionals.
- Subject Knowledge and fully Marketing Strategies.
- Trainers have experienced on multiple real-time projects in their Industries.





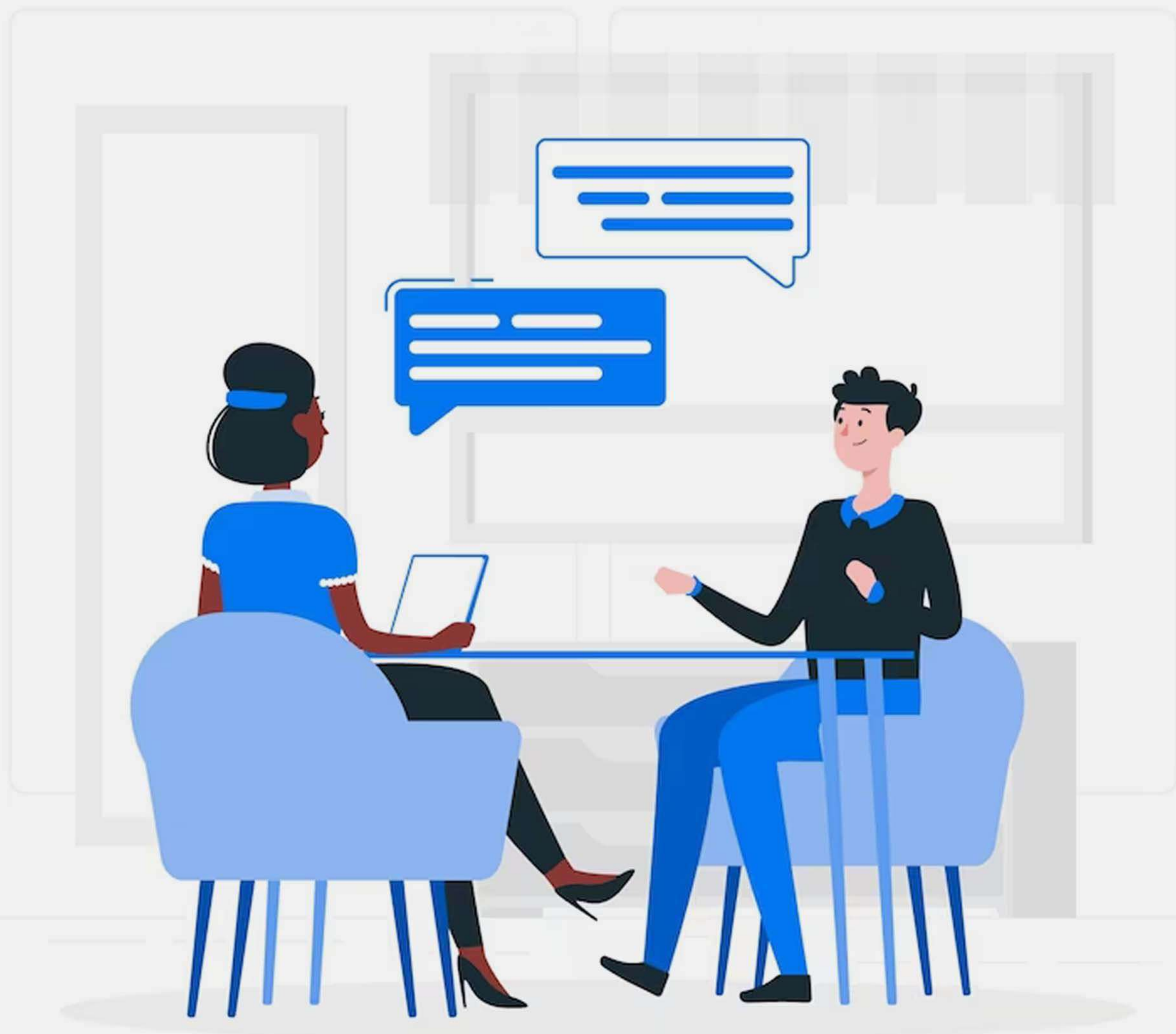
MOCK INTERVIEWS

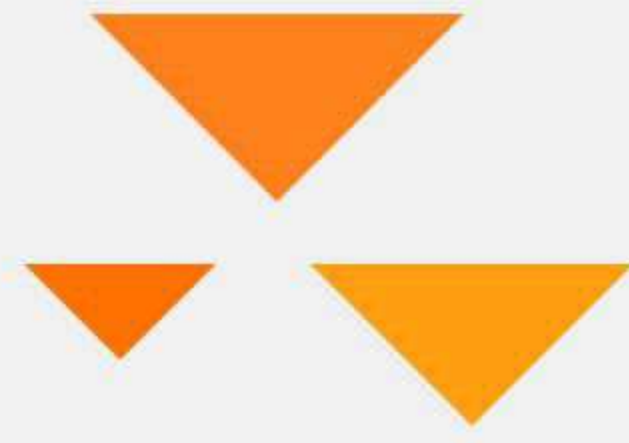
1. COMMUNICATION SKILLS
2. INTERVIEW QUESTIONS PRACTISE
3. SOFT SKILL
4. PORTFOLIO TECHNIQUES



100% PLACEMENT SUPPORT

1. RESUME PREPARATION
2. INTERVIEW CALLS
3. MAILING COMMUNICATION
4. AI BEST RESUME BUILDING

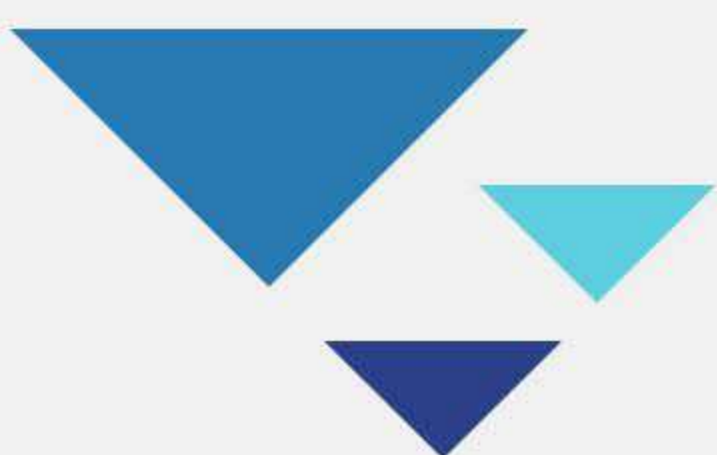




TRAINING COMPLETION

At the end of the Course

- Working experience letter
- Internship experience letter
- Free Life-Time Training Access
- Job Opportunities.





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