Katalon Studio Enterprise - R&D-fed98b4025 - amazon123 - [Location: C:\Users\MANI\Katalon Studio\amazon123]

File Action Edit Project Debug TestOps Window Tools Help

default Keyword Debug

Tests Explorer

Start Page | Test Case 1 | Test Case 2 | Test Case 3 | Test Case 4 | Test Case 5

Add | Recent keywords | Delete | Move up | Move down | Edit tags | Set default view | Add to test suite | View Test Run History

- Profiles
  - default
  - QA
  - UAT
- Test Cases
  - checkpoint
  - DATA DRIVEN
  - Environment
  - keywords
  - Local and Global Variable
  - Test Case 1
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  - Test Case 4
  - Test Case 5
  - Test_Listener1
- Object Repository
- Test Suites
- Data Files
- Checkpoints
- Keywords
- Test Listeners
- Reports
- TestOps
- Include
- Plugins
- .gitignore
- build.gradle
- connect.properties

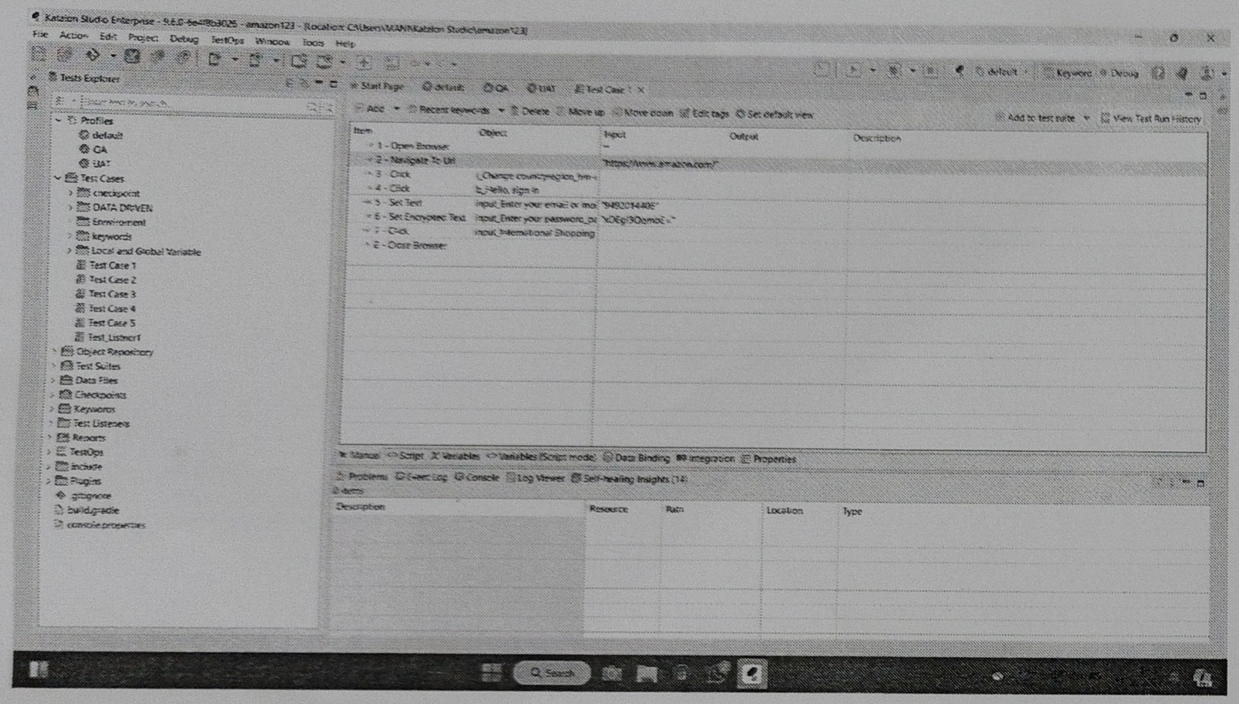
Item	Object	Input	Output	Description
1 - Open Browser		""		
2 - Navigate To Url		"https://www.amazon.com/"		
3 - Click	a_All			
4 - Click	b_Hello, sign in			
5 - Set Text	input_Enter your email or mo	"9492014406"		
6 - Set Encrypted Text	input_Enter your password_pe	"Nk445B98X9I3wKMNG0uhEj		
7 - Close Browser				

Manual | Script | Variables | Variables (Script model) | Data Binding | Integration | Properties

Problems | Event Log | Console | Log Viewer | Self-healing insights (14)

0 items

Description	Resource	Path	Location	Type


Katalon Studio Enterprise - 9.6.0-6e4f8b3026 - amazon123 - [Location: C:\Users\MANN\Katalon Studio\amazon123]
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Plugins
.gitignore
build.gradle
console.properties
Add
Recent keywords
Delete
Move up
Move down
Edit tags
Set default view
Add to test suite
View Test Run History
Item
Object
Input
Output
Description
1 - Open Browser
2 - Navigate To Url
"https://www.amazon.com/"
3 - Click
4 - Click
5 - Set Text
"9492014406"
6 - Set Encrypted Text
"KOEg/3OomoE="
7 - Click
8 - Close Browser
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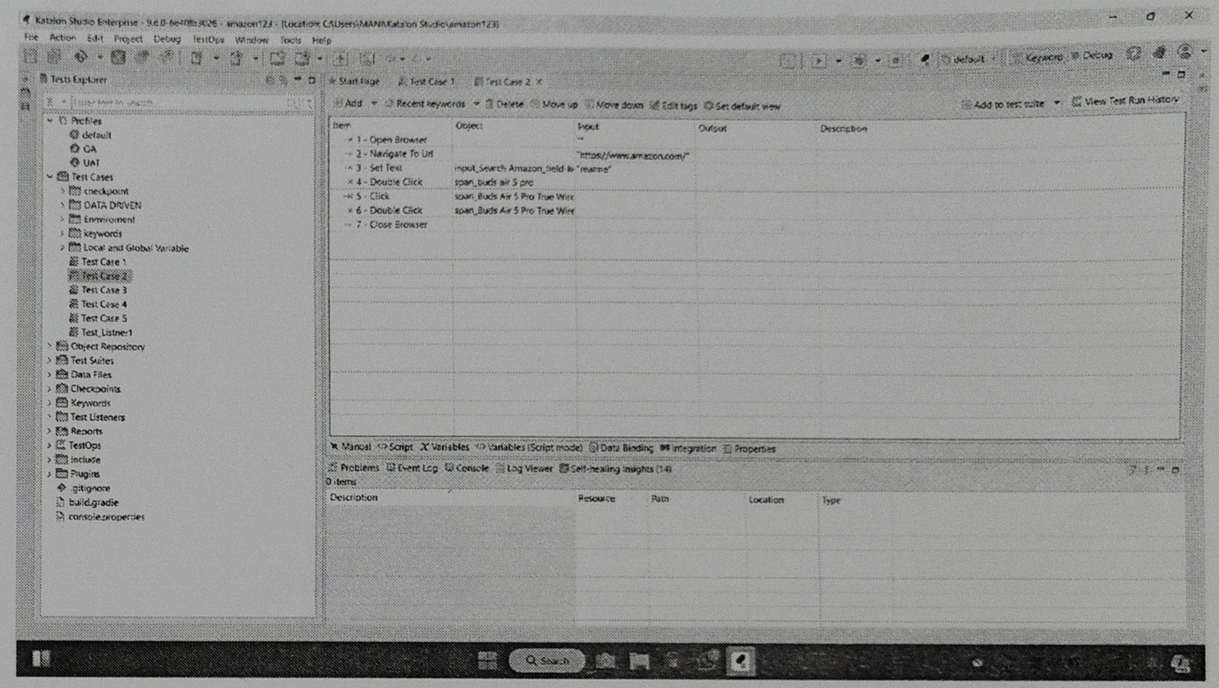
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Edit tags
Set default view
Add to test suite
View Test Run History
Item
Object
Input
Output
Description
1 - Open Browser
2 - Navigate To Url
"https://www.amazon.com/"
3 - Set Text
input_Search Amazon_field-k "realme"
4 - Double Click
span_buds air 5 pro
5 - Click
span_Buds Air 5 Pro True Wire
6 - Double Click
span_Buds Air 5 Pro True Wire
7 - Close Browser
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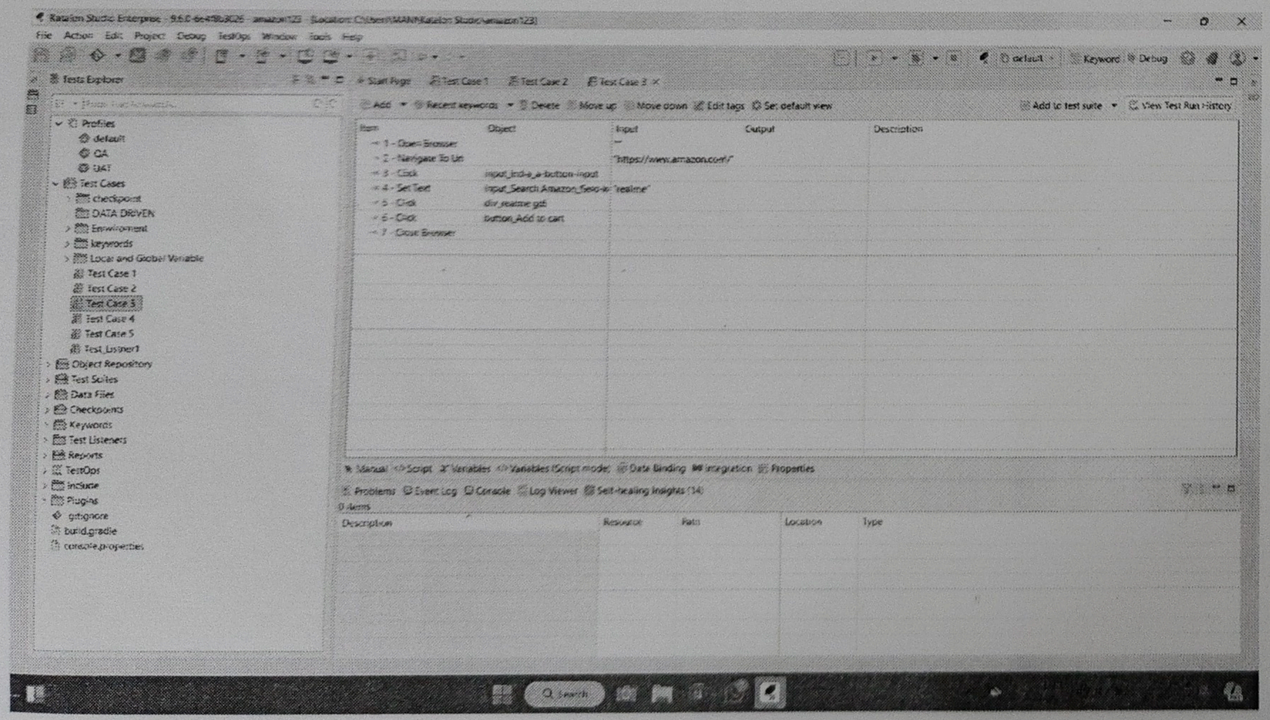
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1 - Open Browser
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"https://www.amazon.com/"
3 - Click
4 - Set Text
"realme"
5 - Click
6 - Click
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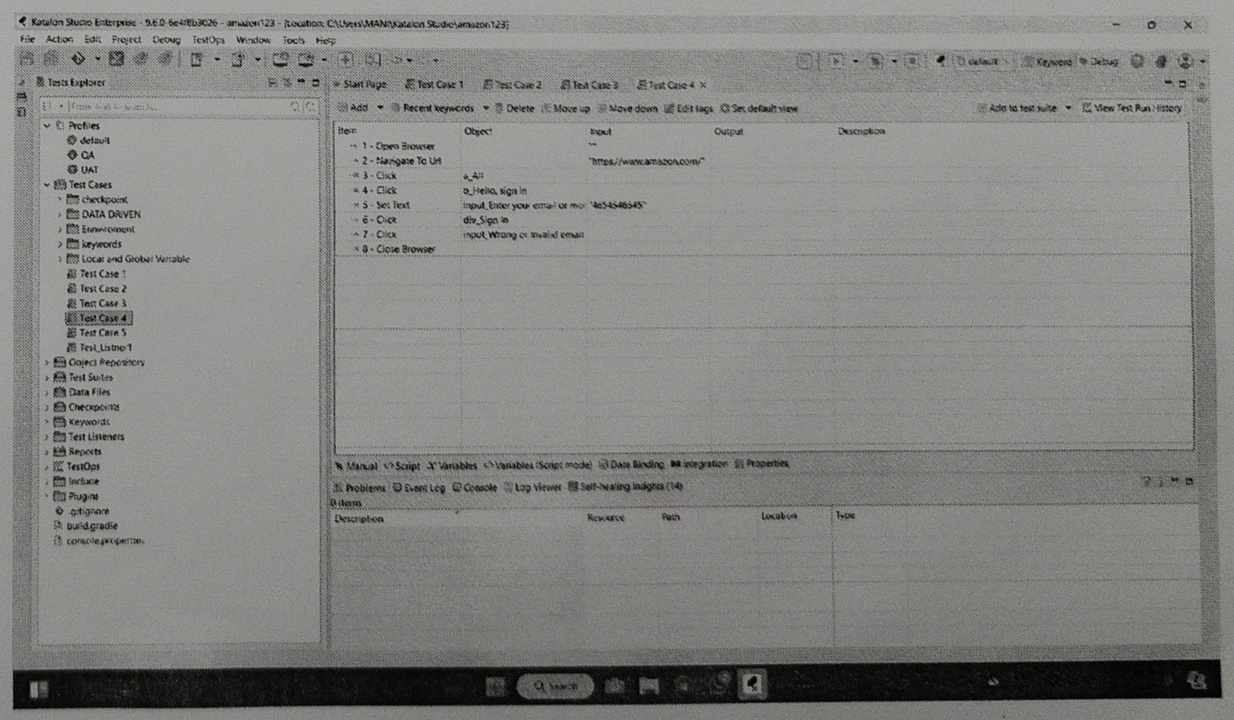
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Describe the technological developments you have observed and relevant to the subject area of training *(focus on digital technologies relevant to your job role)*

In software automation, key technological developments include.

→ AI and ML are being used to improve automation testing

→ cloud-based platforms are being used to provide scalable environments for automation testing.

→ Robotics process Automation tools are being used to automate repetetive tasks and processes.

→ Big Data and Analytics are being used to improve test automation decision making and optimization.

→ AI-powered testing tools are being used to improve test automation efficiency and effectiveness.

Describe how could you could enhance your abilities in group discussions, participation in teams, contribution as a team member, leading a team/activity.

To enhance the abilities in software automation teams.

→ pay attention to others ideas and opinions.

→ Express thoughts and ideas clearly and concisely.

→ Engage in respectively and constructive dialogue

→ Communicate clearly and transparently with team members.

→ Be adaptable and willing to adjust to changing priorities.

→ Contribute to process improvements and suggesstions

→ participate in testing and provide the constructive feedback.

→ Address conflicts in a constructions and respectful manner.

Describe how you could improve your communication skills (*in terms of improvement in oral communication, written communication, conversational abilities, confidence levels while communicating, anxiety management, understanding others, getting understood by others, extempore speech, ability to articulate the key points, closing the conversation, maintaining niceties and protocols, greeting, thanking and appreciating others, etc.,*)

To improve communication skills in software autom-ation.

→ practice writing clear, concice and readable documentation, test cases and reports.

→ Lead or participate in meetings with clear agendas, active listening.

→ Give and receive feedback, using it as an opportunity to learn and grow.

→ Learn to explain technical concepts to non-technical stakeholders.

→ provide regular updates on automation prog-ress, milestones and changes.

→ Be approachable and available for questions, concerns and discussions.

→ Avoid using technical jargon when communi-cating with non holders.

Describe the managerial skills you have acquired *(in terms of planning, leadership, team work, behaviour, workmanship, productive use of time, weekly improvement in competencies, goal setting, decision making, performance analysis, etc.*

→ Ability to develop and implement automation strategies aligned with business goals.

→ Leadership and management of automation teams, including resources allocation and task assignment.

→ Effective communication with stakeholders, team members and customers.

→ Identification and mitigation of risks associated with automation.

→ Management of automation budgets and costs.

→ Continuously improving automation process and workflows.

→ Managing changes and ensuring smooth transitions.

→ Allocating resources effectively for the automation projects.

Describe the real time technical skills you have acquired (*in terms of the job- related skills and hands on experience)*

Software automation professionals to design, develop and maintain automated testing and deployment process.

1) proficiency in languages like python, Java, Java script, Ruby.
2) Expertise in framework like selenium, Appium, test Complete or Katalon.
3) Understanding of API testing tools like postman, soap UI and Rest Assured.
4) Knowledge of network protocols and architecture
5) Ability to work effectively with teams.
6) willingness to learn new tools and the technologies.
7) Ability to write efficient, readable and maintance scripts.
8) Experience with Jenkins, Travis CI, or Github CI/CD.

WEEKLY REPORT

WEEK – 1 (From Dt..... to Dt .....)

Objective of the Activity Done: Integral Katalon studio.

Detailed Report: Integrating katalon studio with version control systems like Git, SVN or other is crucial for collobrative development and maintaining version history.

→ Ensure you have a Git respository set up with a platform like Github or Bitbucket.

→ Go to File > settings (windows) or Katalon Studio > preferences and Go to team > Git.

→ If you are starting from an existing Git respository. use file > import > Git > projects from Git. and Enter your respository URL and follow the prompts to clone the repository

→ to pull the latest changes from the remote repository, use team > pull.

5th

ACTIVITY LOG FOR THE ~~FIRST~~ WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Integrating katalon studio with other version Control Systems	understand how to use version Control with team member.	
Day - 2	using katalon studio Plugins to enhance Functionally	use pluginsto enhance test automation	
Day – 3	Integrating katalon studio with Jenkins or other CI/CD tools	Learn how to Create CI pipeline For test automat ion	
Day – 4	katalon studio reporting and analysis	understand how to generate and Customize rep ort	
Day – 5	Test Case execution reports in katalon studio	Configure reports Setting and templates	
Day –6	Customizing test reports in katalon studio	understand how to use Scripts to add logic to reports	

WEEKLY REPORT

WEEK – 1 (From Dt..... to Dt .....)

Objective of the Activity Done: Data Driven test with Katalon Studio

Detailed Report: In Katalon studio, data driven testing, involves using external data sources like Excel, Files, csv files, or data bases to drive your test cases.

→ Ensure your data is organized with header in the first row, and each row contains data for test case.

→ Similar to Excel, ensure the data is organised with header.

→ Go to test data section in Katalon studio and click on New and Select Test data.

→ choose Excel as the data source type after Browse and select the Excel file. Define the sheet and specify the range of cells to use in the data driven testing in the Katalon Studio.

ACTIVITY LOG FOR THE ~~FIRST~~ 4th WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Data-Driven testing with katalon studio	understand the Concept of data driven testing its benefits	
Day - 2	Keyword driven testing with katalon studio	Create & manage keyword and test scripts	
Day – 3	Creating Custom Keywor-ds in Katalon studio	Use katalon Studio API to intract with test Objects	
Day – 4	Using Katalon studio For Cross-browser testing	Develop a Compre-hensive cross between testing strategy	
Day – 5	Katalon studio exten-sions and integra-tion	understand the how to develop custom extension	
Day –6	Integrating katalon studio with popular test management tools	Configure process test integration with Katalon. Studio	

WEEKLY REPORT

WEEK – 1 (From Dt..... to Dt .....)

Objective of the Activity Done: Adding Test Cases in Katalon studio

Detailed Report: Adding test Cases involves open Katalon studio : Launch katalon studio and open your existing project or Create a new one.

Create a new Test Case :-

* Go to the test case tab in the test explorer panel on the left side of the screen
* Right - click on the test cases and select New test case from the Context menu and select test case.

Name the test Case :-

A dialog box will prompt you to Enter a name for the new test Case provide a meaningful name that provide a functionally or scenerio you are testing

→ click on OK to Create the test case.

ACTIVITY LOG FOR THE ~~FIRST~~ 3rd WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Adding test Cases in Katalon studio	organize test Cases in test suits and folders	
Day - 2	Creating test suites in katalon studio	understand the Purpose and benefits of test suites	
Day – 3	Running tests in Katalon studio	Configure test execution settings and properties	
Day – 4	Recording and Creating test Cases in Katalon studio	understand and utilize and Katalon studio recording modes	
Day – 5	Creating and maintaining web test objects using Katalon	maintain & refactor test objects for optimal performance	
Day –6	organising & managing Katalon tests for better testing.	understand of test result analysis and reporting	

WEEKLY REPORT

WEEK – 1 (From Dt..... to Dt .....)

Objective of the Activity Done: Introduction to Katalon Studio

Detailed Report: Katalon studio is a powerful and versatile automation testing tool designed for both web and mobile applications. It simplifies the testing process through its user-friendly interface and making it accessible for both experienced testers and those new to automation.

Scriptless Testing :- Users can create tests without writing code using the record and playback feature. This feature captures user interactions with the applications and generates corresponding test scripts.

Support for multiple platform :- It supports web, mobile and API testing. This allows users to test applications across various enviroments and the devices from a single tool.

ACTIVITY LOG FOR THE ~~FIRST~~ 2nd WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Introduction to katalon studio	Understand the fundamentals of katalon studio & its Features.	
Day - 2	Features of katalon studio	Create & manage a centralized repos-itory of test objects	
Day – 3	Installation and setup of katalon studio	Download and install katalon studio and windo-ws & MacOS	
Day – 4	Creating a new project in katalon studio	Understand the different project templates and types	
Day – 5	Using katalonstudio for API testing	Integrate katalon studio and with CI/CD pipelines for API Testing	
Day –6	Using katalon studio for visual testing AI - augmented	To enhance the visual testing, machine learning	

WEEKLY REPORT

WEEK – 1 (From Dt..... to Dt .....)

Objective of the Activity Done: Introduction to Software Automation

Detailed Report: Software testing is a critical process in software development aimed at ensuring that software applications function as intended and meet user requirements. It involves systematicals evaluating a software product to identify defects or issues.

purpose :- The main goals of software testing are to verify that the intended functions, identity bugs and ensure that the software meets quality standards and user expectations.

Defect management :- Involves identifying, recording and managing defects or bugs in the software. This includes tracking the defects status and ensuring they are resolved.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Introduction to Software testing	Understand the fundamentals of software autom-ation.	
Day - 2	Different types of software testing	Understand the objectives, approach for each type of testing	
Day – 3	Importance of Software testing in software development	Analyze the role of testing in ens-uring software specifications.	
Day – 4	Introduction to test automation	Evaluate the bene-fits of test auto-mation in rewor-ld scenerias	
Day – 5	Advantages and disadvantages of test automation	Automated tests Provide data driven insights	
Day –6	When to automate tools	Identify scenerio where automation is beneficial	

CHAPTER 6: OUTCOMES DESCRIPTION

Describe the work environment you have experienced *(in terms of people interactions, facilities available and maintenance, clarity of job roles, protocols, procedures, processes, discipline, time management, harmonious relationships, socialization, mutual support and teamwork, motivation, space and ventilation, etc.)*

In software automation testing, the work environment typically includes :-
The internship at smart bridge has been a transformation Experience equipping me with practical skills in the software automation and deep understanding of the project on amazon. The hands on experience and exposure to real world projects has not only sharpened my technical skills and project management skills
The work environment fostered a Collobrative atmosphere with well defined protocols and structured procedure
The facilitates were equipped with necessary tools for software automation testing. Team members exhibited mutual supports and teamwork, Contributing to a harmonious relationship. Over all the internship provided a comprehensive Experience in software automation testing with a well-organised and supportive work Environment.

CHAPTER - 3 :- Internship part

Internships are valuable way to gain new found know -ledge this internship is a university provided inter -nship it is a paid internship which is structed and with a learning process. Registration / registering in APSCHE smart interns & Enrolling for smartbridges software testing automation i.e, live training sessions as per schedule this is the main interns of the smart interns organisation.

* Automating testing and preparation.
* Testing results.
* Creating visualization reports.
* Creating visualization demo
* web integration on project
* Preparation of the final report
* modifying test express.
* Submission of team project.

CHAPTER-2:- Overview of the organisation

* "Smart Interng" is a platform that offers virtual Internship to the students. The platform goal is to Prepare students for job and by establishing relations.
* "Smart interng is in mission to build technology Comm-unities in acadamic to encourage students towards innovation, they are trained of thousands of students.
* "Smart interng" restrict access to interns, who are not restricted in APSCHE. LMS. They want to maintain a respectful environment with everyone.
* It Employees many people and has a good Performance in terms of market value.
* Roles of Employees are to assit and Contributes to the team.
* Smart interng main objective is to bridge Existing apps between prevailing and offers suitable still development.
* In a mission to build technology Communities in acadamic to Encourage students towards innovation and interpernenurship.

CHAPTER-1 :- Executive Summary

* **Learning objectives :-**

→ Learn how to obtain clean/process and transform Automation testing.

→ Learn how to appropriate tests on the katalon

→ Learned how to perform test explorers in the katalon studio as well as scripts, results and Coded in the testing.

→ Learned how to perform well in group.

→ Learned how to interpret testing effectively to audience visually and in written format

* **Learning Outcomes :-**

→ Developing relevant programming abilities

→ Abilities to build and perform tests based on models

→ Able to Create some test explorers.

* **Summary of Internship activities :-**

→ Attending live training sessions and project sessions

→ Selection of topic 'Amazon' and gathering clearising its related data in Excel.

→ Team formation and assignment of tasks to Team members.

→ I have done some activities during my internship such as gathering & organizing.

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Acknowledgements

I would sincerely like to thank APSCHE for providing me with this short term internship which helped me to gain practical Experience and knowledge about software testing automation.

I would like to thank our respected principle sir Dr. G.S.K Chakravarthy for giving this wonderful opportunity.

I would like to thank our Head of the department J. Hymavathi mam and our guide Dr. mamatha for beginning a wonderful mentor throughout our project.

I thank almighty God, my parents and my friends without whose help this project would not have been completed.

SHORT-TERMINTERNSHIP

Dr. LANKAPALLI BULLAYYA COLLEGE
VISAKHAPATNAM