



SHORT-TERMINTERNSHIP



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VISAKHAPATNAM**

This page content gives an idea only, which topics have to write.

1: EXECUTIVE SUMMARY

The internship report shall have a brief executive summary. It shall include five or more Learning Objectives and Outcomes achieved, a brief description of the sector of business and intern organization and summary of all the activities done by the intern during the period.

2: OVERVIEW OF THE ORGANIZATION

Suggestive contents

- A Introduction of the Organization
- B Vision, Mission, and Values of the Organization
- C Policy of the Organization, in relation to the intern role
- D Organizational Structure
- E Roles and responsibilities of the employees in which the intern is placed.
- F Performance of the Organization in terms of turnover, profits, market reach and market value.
- G Future Plans of the Organization.

3: INTERNSHIP PART

Description of the Activities/Responsibilities in the Intern Organization during Internship, which shall include - details of working conditions, weekly work schedule, equipment used, and tasks performed. This part could end by reflecting on what kind of skills the intern acquired.

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 automation	
Day - 2	Different types of Software testing	understand the objective approaches for each type of testing	
Day - 3	Importance of Software testing in Software development	Analyse the role of testing in ensuring Software specifications	
Day - 4	Introduction to test automation	Understand the role benefits of test automation in real world	
Day - 5	Advantages and disadvantages of test automation	Automated tests provide data driven insights	
Day - 6	when to automate tools	Predict scenarios where automation is beneficial	

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 systematically evaluating a software product to identify defects or issues.

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

Defect Management: involves identifying errors in the software. This includes tracking the defect status and ensuring they are resolved.

2nd
ACTIVITY LOG FOR THE FIRST 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 repository object	
Day - 3	Installation and Setup of Katalon Studio	Download and install Katalon Studio on windows	
Day - 4	Creating a new Project in Katalon Studio	Understand the different Project templates and types	
Day - 5	Using Katalon Studio for API Testing	Integrate Katalon Studio with CI/CD pipelines for API Testing	
Day - 6	Using Katalon Studio for visual testing, AI-augmented	To enhance visual learning & Computer Vision	

WEEKLY REPORT

WEEK - 2 (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 application. It simplifies the testing process through its user-friendly interface and making it accessible for both experienced testers and those new to automation.

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

It supports multiple platforms for supporting web, mobile and API testing. This allows users to test application across various environments and the device from a single tool.

3rd
ACTIVITY LOG FOR THE FIRST 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 suites 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 Katalon Studio's recording mode	
Day - 5	Creating and maintaining web test objects using Katalon	Maintain & re-use for optimal performance	
Day - 6	Organizing & managing Katalon tests for better testing efficiency	Understand of tests result analysis and reporting	

WEEKLY REPORT

WEEK - 3 (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 cases 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 provide a meaningful name that you are testing

→ click ok to create the test case.

4th
ACTIVITY LOG FOR THE FIRST 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 Libraries and scripts	
Day - 3	Creating Custom keywords in Katalon studio	use Katalon Studio's API to interact with test objects	
Day - 4	Using Katalon studio for cross - browser testing	Develop a comprehensive cross browser testing strategy	
Day - 5	Katalon studio extensions and integration	understand how to develop custom extensions	
Day - 6	Integrating Katalon studio with popular test management tools	Configure Prac test integration with Katalon studio	

WEEKLY REPORT

WEEK - 1 (From Dt..... to Dt

Objective of the Activity Done:	Data Driven test with katalon studio
Detailed Report:	<p>In katalon studio, data-driven testing involves using external data sources like excel files, csv files, or databases to drive your test cases.</p> <p>→ ensure your data is organized with headers in the first row, and each row contains data for test case.</p> <p>→ Similar to excel, ensure the data is organized with headers.</p> <p>→ Go to the test data section in katalon studio and click on new and select test data.</p> <p>→ 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.</p>

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 Qstudio with other version control systems	understand how to use version control with team members	
Day - 2	using katalon Qstudio Plugins to enhance functionality	use plugins to enhance test automation	
Day - 3	Integrating katalon Qstudio with jenkins or other CI/CD tools	learn how to create CI pipelines for test automation	
Day - 4	Katalon Qstudio reporting and analysis	understand how to generate and customize report	
Day - 5	Test case creation reports in katalon Qstudio	configure report settings and templates	
Day - 6	Customizing test reports in katalon Qstudio	understand how to use scripts to add logic to reports.	

WEEKLY REPORT

WEEK - 5 (From Dt..... to Dt.....)

Objective of the Activity Done:

Integrating katalon studio.

Detailed Report:

Integrating katalon studio with Version control systems like Git, SVN or others is crucial for collaborative development and maintaining version history.

- Ensure you have a Git repository set up on a platform like Gitlab or Bitbucket.
- Go to File > settings (Windows) or Katalon Studio > preferences and go to team > Git.
- If you are starting from an existing Git repository, use file > import > Git repository URL and follow the prompt to clone the repository.
- To pull the latest changes from the remote repository, use team > pull.

ACTIVITY LOG FOR THE FIRST WEEK

6TH

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-charge Signature
Day - 1	Developing and executing test automation	understand how to create test cases and test Oauths	
Day - 2	Demonstrating and skills learned through out the Google	Demonstrate understanding of testing Principle	
Day - 3	what is Software automating tools	understand the how to create and execute automated tools	
Day - 4	continuous integration and continuous Deployment	Automate testing and validation	
Day - 5	Automation for Operutir technology	understand how to identify & solve problems	
Day - 6	Artificial intelligence and machine learning in Automation	learn how to apply AI & ML algorithms to real world.	

WEEK - 6 (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 source.

Define objectives: Identify what you need to test and why. This could include Functional requirements, performance or other criteria.

choose Tools: Select a test automation tools that fits your needs (Katalon studio; Selenium test). Consider of use.

Create a test Plan: outline what will be automated how it will be executed, and the resources required criteria for success.

ACTIVITY LOG FOR THE FIRST WEEK

7th

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	what is Test automation frame work design.	Develop data-driven & keyword driven testing frame works	
Day - 2	Automation integration with a/cd pipelines	understand the benefits & importance in software development	
Day - 3	Automation Research and Development	Develop and maintain automation	
Day - 4	About Qscripting languages in Software automation	Learn how to integrate Qscripting languages with a/cd	
Day - 5	what is automation Metrics and Reporting	understand how to use tools to collect and metric data	
Day - 6	Automation Qscript Refactoring	understand the optimize Qscript to improve Performance	

WEEKLY REPORT

WEEK -7 (From Dt..... to Dt.....)

Objective of the Activity Done:	Test automation, Frame ^{design} work
Detailed Report:	A test automation Frame work design is a structured approach test scripts it provides a systematic way to execute, manage and maintain tests, ensuring efficiency and consistency; → Test scripts are written in a linear sequential manner, and simple to more complex → Breaks tests into smaller, reusable modules or components encourages reuse and easier maintenance you can build a robust and automation Framework of your automated tests

8th -

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	what is Regression testing	learn how to identify the scopes & objectives	
Day - 2	Automation for Specific Technologies	understand how to write effective tests for cloud based	
Day - 3	Automation integration with other tools	learn integration best practices and patterns for automation	
Day - 4	what is automated file management	understand how to create folder, move files automatically	
Day - 5	Automated Mobile app testing	understand how to identify problems	
Day - 6	Automation of user registration	Automate user registration variation tools -	

WEEKLY REPORT

WEEK - 8 (From Dt..... to Dt)

Objective of the Activity Done:

About regression test.

Detailed Report:

Regression testing is type of software testing that ensure that new code enhance the changes have not adversely affected the existing functionality of the Software. It involves re-running previously conducted tests to verify that the software still performs as expected after updates, such as bug fixes, enhancements or other modifications. The goal is to detect unintended side effects or issues introduced by recent changes.

It is crucial to have a comprehensive suite of tests to cover different aspects of the software, application remains stable and functional.

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.)

- Fast - Paced and constantly evolving
- cross - Functional teams working together
- open communication and Feed back encouraged.
- continuous learning and Professional development
- encouragement to experiment and innovate
- emphasis on achieving automation goals and metrics
- support for work-life balance and well being
- Diverse and inclusive teams.

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 Frame works like selenium, Appium, Test complete or Katalon.
- 3) understanding of API testing tools like Postman, SOAPUI 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 maintainable scripts
- 8) Experience with Jenkins, Travis CI, CircleCI or Gitlab CI/CD

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 resource 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.
- Allocating resources effectively for the automation projects.

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 automation.

- Practice writing clear, concise 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 progress, milestones and changes.
- Be approachable and available for questions, concerns and discussions.
- Avoid using technical jargon when communicating with non-holders.

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 respectful and constructive dialogue.
- Communicate clearly and transparently with team members.
- Be adaptable and willing to adjust to changing priorities.
- Contribute to process improvements and suggestions.
- Participate in testing and provide the constructive feedback.
- Address conflicts in a constructive and respectful manner.

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, and self-healing tests.
- cloud-based Platforms are being used to provide scalable environments for automation testing.
- Robotics Process Automation tools are being used to automate repetitive 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.

Student Self Evaluation of the Short-Term Internship

Student Name:	Registration No:				
Term of Internship:	From:	To :			
Date of Evaluation:					
Organization Name & Address:					

Please rate your performance in the following areas:

Rating Scale: **Letter grade of CGPA calculation to be provided**

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

Date:

Signature of the Student

Evaluation by the Supervisor of the Intern Organization

Student Name:

Registration No:

Term of Internship:

From:

To :

Date of Evaluation:

Organization Name & Address:

**Name & Address of the Supervisor
with Mobile Number**

Please rate the student's performance in the following areas:

Please note that your evaluation shall be done independent of the Student's self-evaluation

Rating Scale: 1 is lowest and 5 is highest rank

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

Date:

Signature of the Supervisor

PHOTOS & VIDEO LINKS

Katalon Studio Enterprise - 9.6.0-be4ffbb026 · Software Automation · [Location: C:\Users\Naveen\Katalon Studio\Software Automation]

File Action Edit Project Debug TestOps Window Tools Help

Test Explorer Test case 1... Test case 3... Test Case 4... X Test case 2... OrangeHrm.g... datadriven... 20240828_001057 View Test Run History

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

Profiles Test Cases Test case 1 login Test case 2 invalidusername Test case 3 invalidpassword Test Case 4 datadriven login Object Repository Test Suites datadriven Suite HRorangemanagement Data Files datadriven testdata Checkpoints Keywords Test Listener OrangeHrm Reports 20240824_134722 20240827_235706 20240828_001057 HRorangemanagement 20240828_001057 TestOps include

Item Object Input Output Description

- 1 - Open Browser
- 2 - Navigate To Url
- 3 - Set Text
- 4 - Set Text
- 5 - Click

input_Username_username input_Password_password button_Login

"https://opensource-demo.orangehrm.com"

username password

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

Problems Event Log Console Log Viewer Self-healing Insights

Description Resource Path Location Type

Type here to search

152 PM ENG IN 8/29/2024

Katalon Studio Enterprise - 9.6.0-be4ffbb026 · Software Automation · [Location: C:\Users\Naveen\Katalon Studio\Software Automation]

File Action Edit Project Debug TestOps Window Tools Help

Test Explorer Test case 1... Test Case 4... X Test case 2... OrangeHrm.g... HRorangemanagement datadriven... 20240828_001057 View Test Run History

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

Profiles Test Cases Test case 1 login Test case 2 invalidusername Test case 3 invalidpassword Test Case 4 datadriven login Object Repository Test Suites datadriven Suite HRorangemanagement Data Files datadriven testdata Checkpoints Keywords Test Listener OrangeHrm Reports 20240824_134722 20240827_235706 20240828_001057 HRorangemanagement 20240828_001057 TestOps include

Item Object Input Output Description

- 1 - Open Browser
- 2 - Navigate To Url
- 3 - Set Text
- 4 - Set Encrypted Text
- 5 - Click
- 6 - Click

input_Username_username input_Password_password button_Login p_Invalid credentials

"https://opensource-demo.orangehrm.com"

admin "Sal_1XmhfICh+tuDdtemTg4Q>n"

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

Problems Event Log Console Log Viewer Self-healing Insights

Description Resource Path Location Type

Type here to search

148 PM ENG IN 8/29/2024

Katalon Studio Enterprise - 9.6.0-6a4ffbb3025 - Software Automation - [Location: C:\Users\Naveen\Katalon Studio\Software Automation]

File Action Edit Project Debug TestOps Window Tools Help

Tests Explorer

Test Case 4

Test case 3

Test Case 2

Orangehrm.g

datadriven..

20240828_001057

default Keyword Debug Help

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

Profiles

Test Cases

- Test case 1 login
- Test case 2 invalidusername
- Test case 3 invalidpassword
- Test Case 4 datadriven login

Object Repository

Test Suites

- datadriven Suite
- HRorangemanagement

Data Files

- datadriven testdata

Checkpoints

Keywords

Test Listener

- Orangehrm

Reports

- 20240824_134722
- 20240827_235706
- 20240828_001057

 - Hitorangemanagement
 - 20240828_001057

TestOps

include

item

Item	Object	Input	Output	Description
< 1 - Open Browser		"		
< 2 - Navigate To Url		"https://opensource-demo.orangehr...		
< 3 - Set Text	input_Username_username	'Admin'		
< 4 - Set Encrypted Text	input_Password_password	"5U11dARmH1WV10za9bHPXguz"		
< 5 - Click	button_Login			

Manual Script Variables Variables (Script mode) Data Binding Integration Properties

Problems Event Log Console Log Viewer Self-healing Insights

Description Resource Path Location Type

Type here to search

28°C ENG 1:51 PM IN 8/29/2024

Katalon Studio Enterprise - 9.6.0-6a4ffbb3026 - Software Automation - [Location: C:\Users\Naveen\Katalon Studio\Software Automation]

File Action Edit Project Debug TestOps Window Tools Help

Tests Explorer

Test Case 4

Test case 3

Test Case 2

Orangehrm.g

HRorangeman...

datadriven...

20240828_001057

default Keyword Debug Help

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

Profiles

Test Cases

- Test case 1 login
- Test case 2 invalidusername
- Test case 3 invalidpassword
- Test Case 4 datadriven login

Object Repository

Test Suites

- datadriven Suite
- HRorangemanagement

Data Files

- datadriven testdata

Checkpoints

Keywords

Test Listener

- Orangehrm

Reports

- 20240824_134722
- 20240827_235706
- 20240828_001057

 - HRorangemanagement
 - 20240828_001057

TestOps

include

item

Item	Object	Input	Output	Description
< 1 - Open Browser		"		
< 2 - Navigate To Url		"https://opensource-demo.orangehr...		
< 3 - Set Text	input_Username_username	'Admin'		
< 4 - Set Encrypted Text	input_Password_password	"hUKwJTpqAgPUle7hr/CnDQwz"		
< 5 - Click	button_Login			

Manual Script Variables Variables (Script mode) Data Binding Integration Properties

Problems Event Log Console Log Viewer Self-healing Insights

Description Resource Path Location Type

Type here to search

28°C ENG 1:46 PM IN 8/29/2024

MARKS STATEMENT
(To be used by the Examiners)
ASSESSMENT STATEMENT

Name Of the Student:

Programme of Study:

Year of Study:

Group:

Register No/H.T. No:

Name of the College:

University:

Sl.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Activity Log	10	
2.	Internship Evaluation	30	
3.	Oral Presentation	10	
	GRAND TOTAL	50	

Date:

Signature of the Faculty Guide