

Acknowledgements

The Completion of this project will be in complete without mentioning of few names. I take this opportunity to acknowledge the effects of the many endividuals who helped me to complete this power. I want to exponen my heatful goalthude to streethato grving me the opportenity to do my internship people at smartentoing: The Supervision and support that the he gave tocus help the progression and Smoothness of the Enternellip perogram. I would like to thank Dr. mamotha for this support and guidance throughout the peroject story. The co-goe scrition is much needed appreliated.

flenally I would like to thank my instit ue facility of software automation, LBC for making this experience of internetisp programme. The leaving from the exportence has been Emmense and could be cheaterhed thoroughout

life.



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

Objective of the Activity Done:

Software automation testing lowered to thore where the learn to work are had online chares whore we learn to work are had online chares where are from the string, we learn about software development life cycle, busing at Software testing, workers technics like block box, testing, white box testing, madule testing, work testing, statt a character testing system testing. Shoke testing, sanety testing and levele de software testing.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1	Revision & system & Acceptance testing types of suguisament & for testicase.	Load, stress, Spike, valume, ouegrassion, recovery on graction, jurctical Hand software testing	
Day - 2	Advanced testing Stoutegies.	Formal testing & 9 reformed testing test plan soft were testing	
Day - 3	Advanced testing Strategies	Troom kay, golfna testing, ad-hoc testing Re-testing & Regrasion testing	
Day - 4	year Portedfale and Nor Heurstianal testing	· user intervale usability testing competibility Non-jundical testing	
Day - 5	Pertismance testing/sea -28ty testing Compatible .19ty testing		
Day -6	Software testing life cycle and tooks,	Guloballization, Reco Localization, Reco -y testing spic test plan.	



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

Objective of the Activity Done:
Objective of the Activity Done: Software automotion testing Contents Detailed Report:
In 1008 Week coe leagent about
and technica that we had a
servision of perevious concepts. Then we
Meterned the cheer of marine testing
technics leke load, Spaces, valure,
suggression, succovery, migration, functional
testing we also learned other advanced
testing technics. 18 ke formal & Portamal
testing, mankey, gorilla, ad-hoc testing,
sectosting and suguetion teeting, usability,
Compatability and non-functional performance
secretly. testing is also explained.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1	Software testing life cycle and tooks (COTLC)	Test Analysis Analysing of SRSE FRS test Design.	
Day - 2	Software testing lope cycle (STLC) and tools	Pocepooling test Scanoning Pocepooling test asso	
Day – 3	Software testing life Cycle (STLC) & tods.	Perspecting test code Requirements (RTH) • Test case execution • Defeat reporting.	
Day – 4	Software testing life Cycle and tooks.	Defect severity befect portably with examples.	
Day – 5	Software testing 19fe Cycle and tooks.	Defect mangage ment tods: JIRA & BUOJILLA Bug life Cycle.	
Day –6	Software testing 19fe Cycle and tools.	Detailed leasting on test cases.	





WEEK -3 (From Dt..... to Dt.....

Objective of the Activity Done
Objective of the Activity Done: Sefference authoritien lesting Concepted
the state of the s
The world of the deep
paration of perponention text cases
exercize, preparation of test data, RTM
test case cox execution. Defect supporting
severity and positivity is explained. The
also tarialtiers about de fact
also tarightime about defect management tooks and explained about test cases in
detailed.
THE CITY OF THE CONTRACT OF TH

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day-1	Testrase porepronation test scenario perpa -oradion.	Preparation of test case on excel test scenario preparation.	
Day - 2	Revision of earlier	Defeat Soverity Railfulley and supporting, Auden -ation testing	
Day - 3	fundamentals of test Automation.	Intereduction; ddv -curriages, duisadvan -tages of automa -tesion test	
Day – 4	Fundamentals of test Acutomaticn	Classification of Automation testing A celementian trops	
Day - 5	Installation & set eqn or katalon	dearat now to set up katalon & und enstandity feaulties.	
Day –6	understanding & hearing about the tatalon	Cauation of test cases or katalon.	n l

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

Objective of the Activity Done: Software automation testing Concept. Detailed Report: To de O-
Detailed Report: In the coeck coe learned about
Personation at took and took
Persparation of test race in excel test
scenario proposation, defect severety,
positify tosting, suporting and automation
testing and also we learned about
tundamental of test automation, introduction
one like delv, orntages, disadvantages et
automation test and classification of Auto
- mation testing, Automation tools we
also learned Careation of test mes de
Katalon datasle.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1	Caeation or test cases and ownning of test .	Record and play back made & manual made.	
Day - 2	Caeation and owning of fest cases.	Script mode and manual mode.	
Day – 3	Revision of poverious classes and class on hocators.	Absolute pathę Relative path	
Day – 4	Test Suit Coreadion a exacution a rest Suit Collection devel	Test Sult Cacadian Excaultion & test suit cacation lavel.	
Day - 5	Down Doviver testing	Using internal data, excel.	
Day –6	Test listeners.	Test listerers Carolion & Execution.	

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

Objective of the Activity Done:
Objective of the Activity Done: Software automation testing concepte
we were obout
test cases, sanning de test
Coeles, tecad, play back, monancial mode
Script mode and marrial mode. Revision
of pace vioces chases and class un locator,
Absolute path, Robotive path, test each
Coroation and also execution test suit
collection level. We also located about
test suit countin level, using internal
data, excel, test (9stnows Counting
one cution.

ACTIVITY LOG FOR THE PIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1	Revision of poerfous classes on global & docad variables.	classes on global and local varia-bles.	
Day - 2	key words, check points.	caeation and enecution of they would be to check points.	
Day - 3	Installation & Legin of Gift hub	Installation & logic of orthub	
Day – 4	Git hub uploading and creation of repostories.	Repost By caea -tion & cloning, committing on ait-hab.	
Day – 5	Installation and Set up of JENINS Integration in Jenkins.	Installation &	
Day –6	Revision.	Revision.	

WEEK - 6(From Dt...... to Dt.....)

Objective of the Activity Done:
Objective of the Activity Done: Software automation testing Concepts Detailed Report:
in the cook we learned about
, local horsable, keep codds
their points, countin , execution of key
wolds, check points of caeation, Intelle
Instribution & ingle of without, and we
also leasured about separting Consultan.
Coloning consisting on Getherb , Installation
and set up to genkins, occurring these
all as an har land dadel
all are use to one lecouned detail.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1	Assign of project work and caeaction at team members.	Assignment or Pologeob work.	
Day - 2	under standing and vascarching on how to do project.	Grathering of Duf Demation & und - Cristading of requirements	
Day - 3	A-ssigning tasks between team member	Assiming tasks	
Day -4	persparation of test courses and test sanoas - 5.8.	Paraparation of test cases in excel.	
Day -5	Pereposation of test plan in word.	Pouporation of test plan in word.	
Day -6	Coreation of test cares Pro Katalon.	caeation of test caps in katalon.	



WEEK - From Dt..... to Dt.....

Objective of the Activity Done: Software recommention tosting concepts. ment of parayect cook, gathering to , understanding cases en excel and also pereparation of test plan en coold we also learned about creation test cases for Kartalan.



ACTIVITY LOG FOR THE-FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day – 1	Corealism of test cases in Katalon & test suits.	Cacation or tast cases in katalon & test saits.	•
Day - 2	Data Poliven test and test listings	Data dorlven test and lest listeness.	
Day – 3	Venification of porage t & uploading Pn Git-hub.	Verification do posoquet.	
Day – 4	Verification of Peropert Ecuploadi -ng Pn Ost-hub.	Voci fication of powerfact.	
Day -5	Verification of pologect & cuploading on oit-hub	verification of pologect.	
Day -6	vorification ob poroject & uploading in ocit - hub.	vorification d	

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WEEK - P(From Dt..... to Dt.....

Objective of the same
Objective of the Activity Done: Software automation testing concepts Detailed Report:
Detailed Report: In the week we dearned about
and week use cleaned about
rung it a type of software
testing that ensure that new orde enhances
the shares have at the said to
the changes have not adversely offected
the existing functionality of the softenae.
It envalues are running previously conducted
test & to varify that the softroom etill
a so
performe as expected after updates, such
as buy fines, enhancements a other models
-cations. The goal Ps to detert unrintended
Code and to the state of the st
Side effects of legues introduced the
recent changes.
It is ex Crucial to have a compreshe
-nsive swice of the tests to cover different
aspecte de the coffesare, application remo
ins stable and functional.

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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 with environment typically includes:

wilk place settings: Testers may wilk in traditional off -ice environments, tech startups for fully remote setups. Offices often fearedwar cubicles of open spaces, while remote setups require a home office with apperopriate tech & Communication tools.

Callaborative Atmosphere: The rale often involves farquent interactions with developers. QA teams, project maragers and sometimes climents. Callabraration tools like stack, Historisoft and zoom.

Technical wakspace: Testers use development tooks such as Integrated Development Environments and test manage ment tooks. They also coak with automation framewaks and CI(CD tooks to Streamline test pacesses.

Continuous testing environment: The coolk invalves integrating automated tests into cilco pripelinas to ensure that tests core run continuously as part of the

development pacess.

Dynamic and Iterative tasks: The environment is often dynamic, with tasks varying from caeating and maintainging test script to analyzing test results & debiologing failures.

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Problem - solveng focus: Testers facquently traible shoot and debug essues in both the test scripts and at the application being tested. This invalves with lays, debugging tools , and perfamence monttaing tools.

Documentation and Repatings - A significant point of the job involves documenting test Cases results, and defects. Testers use tools like JIRA or test Rail to track peropess and repat findings.

Regular reetings: Teams often have aegular stand cups, Sprint planning sessions, and retraspertive to descuss parguess, challenges, and future testing heeder.

Overall, the coolk environment on softcoace automation testing is characterized by a blend of technical tasks, collaboration, continuous impriore and reliability of softcoace products.

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

In real-time software automation testing, professionals acquire several key technicals skells:

- 1. Programming and scripting: Profectionly in programming languages (eg. Java, Python, ctt) to develop and maintain automated test scripts.
- 2. Test Automation tools: Expertise in trols like selentum, QTP/UFT, or Test Complete for caeating & executing automated tests.
- 3. Continuous Integration/Continuous Deployment (cz/cp): familiarity coith ci/cp tooks like Jenkins, Gitlab Ci, or travis cI to integrate automated tests into the development pipeline and ensure Continuous quality.
- 4. Version control systems: Skills in using Gib 81500 for managing test scripts, tracking changes and callabra they with other team member.
- 5. Test frameworks: knowledge of frameworks such as Junit, testNG, or calamber to structuring and running tests in an organized manner.
- 6. API Testing: Enperience with tools 19the portman, REST Assured, or Scapul for testing and valedating APIS.

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Performance testing: Understanding of Performance testing toals like Inteter or LoadRunner to assess and optimize application performance under various conditions.

Debugging and Troubleshooting: - Ability to identify, analyze and resolve lexuss with in test scripts and the application being tested.

Database Testing: - skills in SQL to verify data entegrity and interactions between the application and the database.

Test Hanagement Proficiency in test manage -mont tools such as JIRA , Test Rail or Zephyr for tracking test cases, managing test execution, and reporting results.

Those skells enable effective automation of testing processes, leading to more reliable and efficient software development and delivery.

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.

In software automation testing, managerial skills in -volve overseeing various aspects of the testing process and team dynamics. Key managerial skills include:

Project management: - Ability to plan, execute, and minitis testing projects, including setting timelines, managing resources, and ensuring that testing milesto-ross align with project goals.

Team Leadership: - heading and mothering a team of testers, manying their coalkbacks, pouriding their walkloads, providing guidance and fostering a callaborative and powdective walk environment.

Resocace Allocation: Efficiently allocating tasks and acsocaces, Including assigning test cases, managing testing environments, and ensuring the availability of necessary tools and infrastructure.

Stakeholder communication: - Effectively Communication: - Effectively Communication: - Effectively Communication - throughout the Stakeholders, including developers, product managers and executives, to report on test progress, earlier Pessues and provide fixedback.

Risk management: Identifying potential risks in the testing powers rouch as susmanes constraints

or technical challenges and development and be developing strategies to mitigate them.

Paocess improvements - Continuously evaluating and improving testing processes and methodologies to enhance efficiency, effectiveness, and coverage.

Budget management: Haraging the budget allocated allocated for testing artivities, including trobs training, and personnel costs, where ensuring cost-effectiveness.

training and Developments. Providing training and development opportunities to the testing team to keep them updated with the latest tools, techniques, and best practices.

Cen first Resolution! Handeling confirsts and challe -nges within the team ownth other departments ensuing that issues are resolved in a constructive and timely manner.

the automation testing process runs smoothly, aligns with project objectives, and contributes effectively to the overall quality assurance strategy.

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.,)

automation testing, focus on the following strategies: Classfy objectivies: clearly defined the goals and scope of your communication. Whether stis a test plan, a status update, or a buy report, ensure that the prospose is well-articulated and ender - strad by all posities involved.

Enhance pocumentation: write clear, concere and organized test cases, plans, and repairs. Use a Standardized farmat to make documentation farmat to make documentation farmat to make documentation farmat rence. Include recessary dustable and context.

Use visuals: Incorporate diagrams, charts and sereenshots in reports and pousentations. Visual aids
can help convey complex information more clearly and
are especially useful for illustrating results of results.

Paovide Regular opdates - Keep stakeholders informed
worth ougular propose reports.



Faster Active Listening: Practice active 19stening in neetings and discussions. Pay attention to feed back and questions, and respond thoughtfully. Summarize key points of color others have said to confirm understanding.

Simplify Technical Jargan: when communicaling with non-technical Stakeholders, avoid using technical jar -gon a complex terminology.

Parepare for Meetings: - Parepare an agendar for meetings and share it in advance. Ensure that meetings are stretured and focused on key topics.

Fricourage Feedback: Actively seek feedback on your communication from collegues and stakehold ers. use this feedback to make improvements and adapt your communication style as needed.

Leverage collaboration tools: - Otilize callaboration tools effectively to facilitate Communication tools like slack, Hicrosoft teans, or JIRA can help streamline discussions and track issues more efficiently.

By emplementing those strategies you can empower your communication skills, leading to better callaboration, mae effective problem-solving and a mae efficient testing page No powers.



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 abolities an group discussions, team participation, and leadership within the context of Software automation testing, consider emplementing the fallowing strategies and poractices. Genoup Discussion !-· Parparation: Review relevant materials, such as test plans, results, and seems, before discussions. Be ready to contribute informed insights. · Effective Communication: - Practice clear and Concise Communication. Tastor your mossage to the audience, avoi ding unnecessary technical Jargen when speaking with non-technical team members. - Active Listening: - Listen carefully to others points of view. Acknowledge their contributions and agk classifying questions to ensuar medical understanding. Team participation: · callaboration: Actively engage in team activities, offering support and foodback. Show knowledge and rescurres to help achieve common goals. · Responsiveness: - Be prompt in responding to commu -nications and requests keep your team update on your progress and any sesses that may arises.





Leadaship :-

· vision and goals: - clearly define the vision and Joals for the automation testing efforts. Ensuae the team understands how their work contributes to the overall objectives.

· Hentathip: - Guide and support team members in their particisational development. Shair your experties in acutomation tools and best practices.

· Decision-Making! - Make Enformed decisions brased on duta and team Enpert. Be transported about the resoning behind good decisions and involves the team when appropriate.

. Motivation and Recongnition's Recognize and recooned the achievements and contributions of team members. Encourage a culture of appreciation and motivation.

· Adaptability: - Be flexible and open to charge. Adapt leadership strategres and project plans based on evalu -ing needs and feedback from the team.

By Encomposating these strategies you an enhance your effectiveness in group discussions, impouver your participation in teams and strengthen your leadership skills on the context of software sectometrian testing.

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 recent years, several technological developments have significantly impacted the field of software automation testing. Here are some key advancements relevant to this area:

Advanced Automation took: - tools like testim and Applitable leverage Al and machine learning to enhance test automation by automatically schentifying and adapt fing to changes in the user interface and improving test. Script reliability.

· Low - code | No-code platfam: - platfam such as katalon studio and case trace allow very to careade automation tests with numinal coding, making it easier for non-developers to participale in test automation.

Integration with cilco pipelines:

· Continuous integriation / Continuous Development (CI/CD):Tooks 19ke Jenkins, Gistlab CI, and circle CI have become
9 integrial to the tosting paciess, enabling automated tests
to be tolgopous automatically with every cake change and
entegrated into atthe deployment pipeline.
Cloud - Based Testing:-

Test environment; Services 19 ke Browser stack and Sauce Labs offer clad-based testing environments, allowing testers to run test-sacross union browser,





and devices without reading to maintain extensive in-house infrastructure.

Enhanced Test Hanagement:

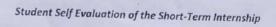
- restrated test Hanagement tods: Solutions such as test Rasil & Zepter provide compactonsive test management Capabilities, integrating test case management, execution. Performance Testing innovations:
- and new Rella powide real-time monitaring and analyting allowing testers to assess performance and detect production.

API testing improvements :-

· tenhanced API Testing tools: tools such as postman and Scapul have evalued to support comprehensive API testing, Producting automated tests, performance benchman-Ks, and detailed reporting.

Test Automation Framewooker,-

- · New framework: Emerging framucions 19 he cypnoss for end-to-end testing and playwright for cross-brows testing offer modern approaches to coniting and executing automore test tests with improved speed and reliability.
- Faily testing: The shift-left approach emphasizes frical potating testing coorden in the development lefteryde particle encourages conting tests alongside code and parcels, page No



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
-		THE RESERVE AND ADDRESS OF THE PERSON NAMED IN				

Date:

Signature of the Student

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