

Walmart - Certification in Advanced Tech Services Engineering							
Sl. No	Date	Day	Durati on (Hrs)/ Batch	Time	Competency	Topic	Sub topic
1	23rd & 26th July	Fri & Mon			Pre-Assessment		
2	13-Jul	Thu		3:30 AM to 4:30 PM	Program Orientation	Program Start Orientation Lumen Demo for participants	
3					Prep Period		
4	14-Jul	Fri	2	9am to 11pm	Retail- session 1	Introduction and understanding Industry	<ul style="list-style-type: none"> * Industry current trends & challenges * Industry response & future trends * Digital first & Omnichannel * Customer Trends * Market Trends * Technology Trends
5	15-Jul	Sat	4	9am to 1pm	Computer Science Fundamentals - Session 1	Overview of OOPS, Javascript	<ul style="list-style-type: none"> * Introduction to OOPS * Overview * Introduction to events * Client side scripting functions * Create plugins
6	21-Jul	Fri	4	9am to 1pm	Computer Science Fundamentals - Session 2	Database	<ul style="list-style-type: none"> * Introduction to Database * Introduction to SQL * CRUD operation * Select, Join & Sub-Selects * Triggers * SQL vs NO SQL, Cassandra intro
7	22-Jul	Sat	4	9am to 1pm	Data Analytics - Session 1	Introduction, Identifying patterns, performance analytics	<ul style="list-style-type: none"> * Introduction to metrics that matter for Customer, business & organisation. * Knowledge of key metrics, their criticality, data sources, rationale and steps for calculation. * Understanding Event Corelation, Event Driven Architecture, Event Analysis. * Implement Problem solving tools like Value Stream Mapping. * Understanding Organizational, Service Level and operational Efficiency.
8	28-Jul-23	Fri	4	9am to 1pm	Data Analytics - Session 2	Introduction, Identifying patterns, performance analytics	<ul style="list-style-type: none"> * Understand patterns that indicate common issues. * Measuring Quality of Alerts. * 80-20 rule * Performance analytics with CMDDB query builder. * Build analytics based on complex CMDDB relationships combined with other data in your Service instance.
9	29-Jul-23	Sat	4	9am to 1pm	Data Analytics - Session 3	Analytics and reporting-Stage 1	<ul style="list-style-type: none"> * Connecting to data * Simplifying and sorting data * Organizing data * Slicing data & Using multiple measures
	02-Aug-23	Wed	1		Open House - 1		

10	04-Aug-23	Fri	4	9am to 1pm	Data Analytics - Session 4	Analytics and reporting-Stage 1	<ul style="list-style-type: none"> * Customizing data * Analyzing data * Showing breakdowns * Highlighting data
11	05-Aug-23	Sat	4	9am to 1pm	Data Analytics - Session 5	Analytics and reporting-Stage 2	<ul style="list-style-type: none"> * Creating & connecting to data sources * Defining data subsets * Creating and using parameters * Data extracts
12	11-Aug-23	Fri	4	9am to 1pm	Data Analytics - Session 6	Analytics and reporting-Stage 2	<ul style="list-style-type: none"> * Comparing measures * Viewing distributions * Statistics and forecasting * Dashboards and stories * Module level Case study briefing
13	12-Aug-23	Sat	4	9am to 1pm	Automation - Session 1	Introduction to Python	<ul style="list-style-type: none"> * Install & configure Python * Datatypes In Python * Conditional and Loop Statement * Functions and Modules
14	18-Aug-23	Fri	4	9am to 1pm	Automation - Session 2	Introduction to Python	<ul style="list-style-type: none"> * OOPS * Exceptions, Assert, and different useful functions * Lambda Functions, Map, Filter, Reduce
15	19-Aug-23	Sat	4	9am to 1pm	Automation - Session 3	Introduction to Postman, UiPath	<ul style="list-style-type: none"> * REST API * Request Methods * JSON formatting * Data Extraction * Setting up the environment * Screen Scraping & Recording * Sequences and flowcharts
	23-Aug-23	Wed			Open House 2		
16	25-Aug-23	Fri	4	9am to 1pm	Automation - Session 4	Introduction to UiPath, CI,CD	<ul style="list-style-type: none"> * Loops * Coding the Robot * Screen Scraping & Recording * Sequences and flowcharts * Loops * Coding the Robot
17	26-Aug-23	Sat	4	9am to 1pm	Automation - Session 5	CD, Use Case	<ul style="list-style-type: none"> * Introduction + Concepts * Implement * Integrations * Identifying the Painpoints * Introduction to CD * Solving the Painpoints * Implement
18	01-Sep-23	Fri	4	9am to 1pm	Automation - Session 6	CD, Use Case	<ul style="list-style-type: none"> * Automating Proactive Monitored process * Module level Case study briefing
19	02-Sep-23	Sat	4	9am to 1pm	Proactive Monitoring - Session 1	Introduction, Understanding inputs	<ul style="list-style-type: none"> * Problem vs Incident Management * Preventive vs Reactive * Value of Problem Management to the Enterprise * Key Definitions and Basic Concepts (RCA, Workaround) * Detection & Logging * Categorization & Prioritisation * Investigation & Diagnosis * Resolution * Major Problem Review and Closure

20	08-Sep-23	Fri	4	9am to 1pm	Proactive Monitoring - Session 2	Proactive monitoring tools overview, Implementing Proactive monitoring-Prometheus	* Industry tools used for the purpose of proactive monitoring * Getting started with Prometheus * Prometheus Installation * Exporter & Node exporter
21	09-Sep-23	Sat	4	9am to 1pm	Proactive Monitoring - Session 3	Proactive monitoring tools overview, Implimenting Proactive monitoring-Prometheus	* Analysing data with Grafana * Integrating graphana with prometheus * Alerting * Application monitoring & instrumentation
	13-Sep-23	Wed	1		Open House 3		
22	15-Sep-23	Fri	4	9am to 1pm	Proactive Monitoring - Session 4	Event Management	* Spotlight for event management * Use case
23	16-Sep-23	Sat	4	9am to 1pm	Proactive Monitoring - Session 5	Implementing Proactive monitoring-Grafana	* Splunk & Dynatrace
24	22-Sep-23	Fri	4	9am to 1 pm	Proactive Monitoring - Session 6	Integrating capabilities with Service Now	* Integrate disparate data into a single view * Finetune dashboard * Track key performance indicators (KPIs) * Assess the business impact of outages * Module level Case study briefing
25	23-Sep-23	Sat	4	9am to 1pm	Predictive Engineering - Session 1	Introduction	* How to collect data relevant to your target of analysis * Convert the acquired data to organize data into a single dataset * Clean your data to avoid a misleading model * Create new, useful variables to understand your records
26	29-Sep-23	Fri	4	9am to 1pm	Predictive Engineering - Session 2	Introduction, Implementing Predictivity	* Choose a methodology/algorithm * Build the model * Introduction to Snowflake
27	30-Sep-23	Sat	4	9am to 1pm	Predictive Engineering- Session 3	Implementing Predictivity	* Signup for Snowflake * Using Snowflake UI * Creating our first Database, Schema & Table
	04-Oct-23	Wed	1		Open House 4		
28	06-Oct-23	Fri	4	9am to 1pm	Predictive Engineering - Session 4	Implementing Predictivity	* Load Data into our first table * Setting up Required Snowflake tools * Creating our first Virtual Warehouses
29	07-Oct-23	Sat	4	9am to 1pm	Predictive Engineering - Session 5	Tuning and Discovery	* Virtual Warehouses sizes & Scalability * Warehouse - Maximized vs Auto Scale * Understanding quality of the data * Good distribution of the assignment groups
30	13-Oct-23	Fri	4	9am to 1pm	Predictive Engineering - Session 6	Tuning and Discovery, Model Creation	* Analysis for improved precision (Category/sub-Category) * Auto-Tuning a classification model vs Adding inputs to your model * Module level Case study briefing
31	TBD				Capstone Project Evaluation	F2F	TBD
32	TBD				Capstone Project Evaluation	F2F	TBD
	TBD	Wed	1		Open House 5		
33	TBD		2		Term End Exam		TBD
34	TBD				Term End Exam (If required)		TBD
35	TBD				Training days		TBD
36	TBD				Additional Session days(Spill over/ Cap Stone Review & Monitoring)		TBD
37	TBD				Result Declaration		TBD