

Week	Starting Date	Lectures	SRQ / Quiz	Laboratory	Mini-Project
1	17/10/2022	Chapter 1: Introduction to Software Development Lifecycle and DevOps Chapter 2: Software Configuration Management	SRQ 1	Lab 1: Introduction to Git and Github	Sprint 1
2	24/10/2022	Chapter 3: Introduction to Python Programming	SRQ 2 SRQ 3	Lab 2: Introduction to Python	
3	31/10/2022	Chapter 4: Requirements Analysis and Software Development	SRQ 4	Lab 3: Developing Software Unit Tests	
4	07/11/2022	Chapter 5: System and Software Testing	SRQ 5	Lab 4: Introduction to Raspberry Pi	Sprint 2
5	14/11/2022	Chapter 6: AIoT Development using Raspberry Pi	SRQ 6 Quiz 1 [Ch 1 to 4]	Lab 5: Python Programming for AIoT	
6	21/11/2022	Chapter 7: Introduction to Docker (Part1)	-	Lab Test 1 [Lab 1 to 3]	Sprint 3 Submission of Mini-Project SRS
7	28/11/2022	Chapter 8: Introduction to Docker (Part 2)	SRQ 7 Quiz 2 [Ch 5 to 6]	Lab 6: Using Docker to create Containers	
8	5/12/2022	MST			

Week	Starting Date	Video Lectures	SRQ / Quiz	Laboratory	Mini-Project
9	12/12/2022	Term Break			
10	19/12/2022				
11	26/12/2022				
12	02/01/2023	Chapter 9: Introduction to Kubernetes (Part 1)		Lab 7: Using Kubernetes and K3S for Orchestration of Docker Containers	Sprint 4
13	09/01/2023	Chapter 10: Introduction to Kubernetes and K3S (Part 2)	-	Lab 8: Kubernetes and K3S on Raspberry Pi	
14	16/01/2023	Chapter 11: Continuous Integration and Continuous Deployment (CI/CD)	Quiz 3 [Ch 7 to 10]	Lab 9: Continuous Integration and Continuous Deployment	Sprint 5
15	23/01/2023	-	-	Lab Test 2 [Lab 6 to 8]	
16	30/01/2023	-	-	Mini Project Development / Demo	Sprint 6
17	06/02/2023	-	-	Mini Project Development / Demo	
18	13/02/2023	-	-	Mini Project Development / Demo	