


Enrollment No						
Course Name	Raspberry Pi					
Trainee Name						
Trainer Name						
Module Name	Days	Topic	Sub-Topics	Trainee Sign	Trainer Sign	Date
Raspberry Pi Hands-on	Day - 1	Introduction	Cable connections			
			Preparing the SD card			
			Install the operating system			
			Start the Linux Console			
	Day - 2	Hardware Understanding	Raspberry Pi Architecture			
			Hardware Components			
	Day - 3		Hardware Pinouts			
			Peripherals			
	Day - 4	Remote Access	Using SSH			
	Day - 5		Using VNC and winscp			
	Day - 6	Python Introduction	Installing Python			
Day - 7	Run sample code and practise on python programs					
Day - 8	GPIO		Install GPIO library			
Day - 9		Understanding GPIO Pins structure				
Day - 10		Hardware setup with LED and Switch				
		Run sample code for LED				
		Run sample Code for Switch				
Day - 11		Practice on GPIOs Code				
Raspberry Pi Interfacing Fundamentals	Day - 12	Peripheral Interfacing Introduction	UART			
			I2C			
	Day - 13		SPI			
			PWM			
	Day - 14		Softskill			
	Day - 15	UART Interfacing	UART Pins Understanding			
			UART Protocol			
	Day - 16		UART Sample Code			
			Practice on UART Codes			
	Day - 17	I2C Interfacing	I2C Pins Understanding			
			I2C Protocol			
	Day - 18		I2C Sample Code			
			Practice on I2C Codes			
	Day - 19	PWM Interfacing	PWM Pins Understanding			
			PWM Sample Code			
			Practice on PWM Codes			
Day - 20	SPI Interfacing	SPI Pins				
		SPI Protocol				
		SPI Sample Code				
Day - 21	Socket programming	Udp tcp, server client application				
Day - 22						
Day - 23	Camera Interfacing	Recording and Streming in VLC				
Day - 24						
Day - 25						
	Day - 26		Softskill			
	Day - 27		Exam			