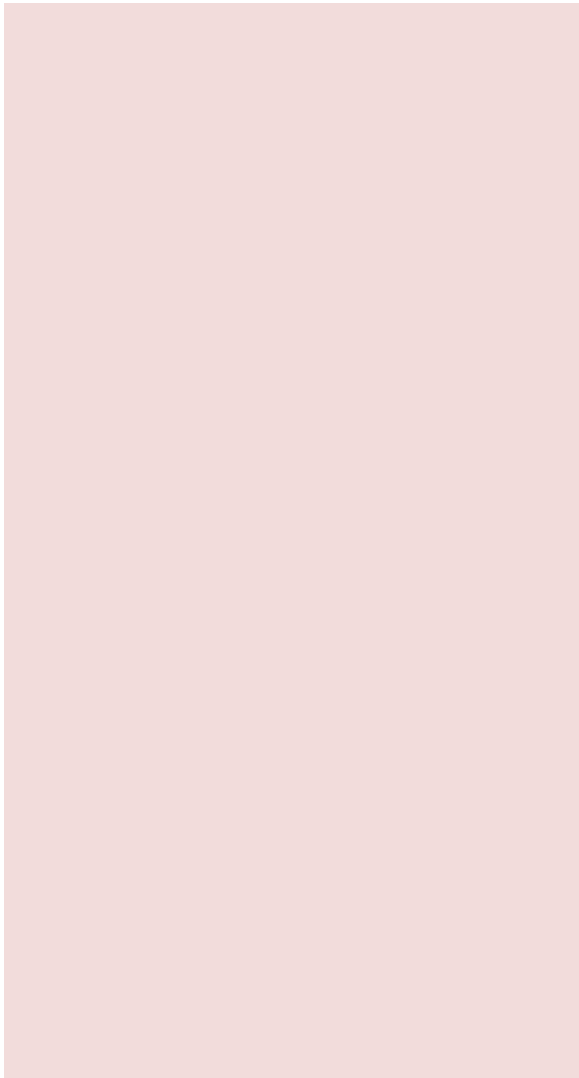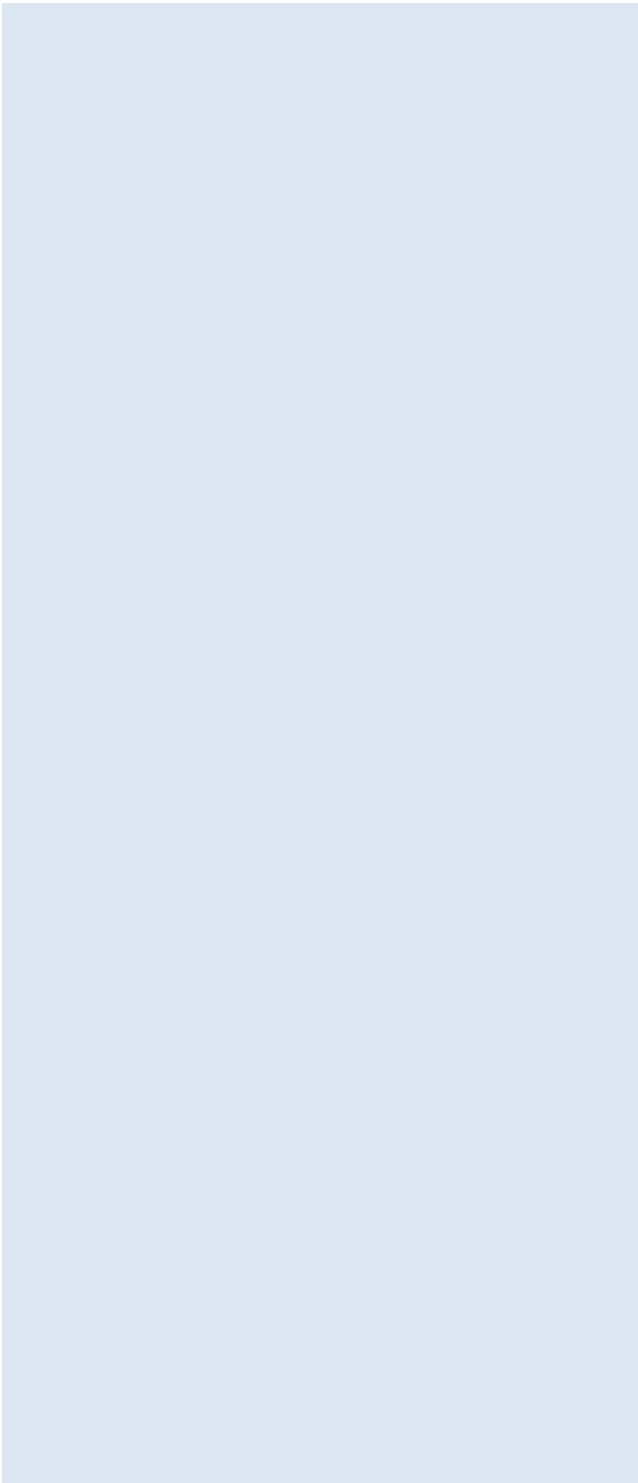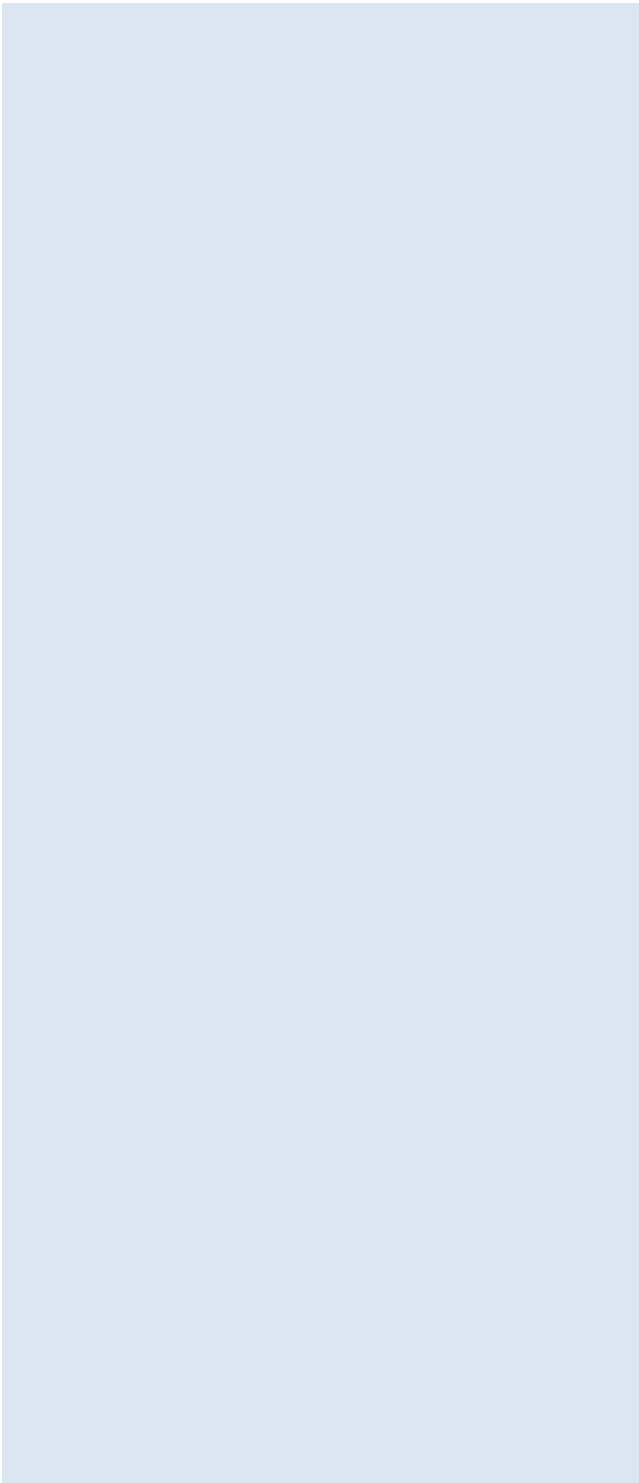**SLOG SOLUTIONS PRIVATE LIMITED**
TECHNOLOGY: IOT USING RASPBERRY PI
DURATION: MODULE 1 (6 WEEKS)

MODULE 1

- Raspberry Pi Introduction.
- Getting Started with Raspberry Pi.
- How to use Wiring Pi Library on Raspberry Pi.
- Access Raspberry Pi Home Screen on Laptop Display using LAN (Ethernet).
- Raspberry Pi GPIO Access.
- Raspberry Pi PWM Generation using Python.
- Raspberry Pi UART Communication using Python.
- Raspberry Pi I2C.
- Python based I2C functions for Raspberry Pi.
- Access Raspberry Pi on Laptop using Wi-Fi.
- Stepper Motor Interfacing with Raspberry Pi
- Using Raspberry Pi 3 On-Board Bluetooth for Communication.
- GPS Module Interfacing with Raspberry Pi
- MPU6050 (Accelerometer+ Gyroscope) Interfacing with Raspberry Pi

- Triple Axis Magnetometer HMC5883L Interfacing with Raspberry Pi
- DHT11 Interfacing with Raspberry Pi
- Nokia5110 Display Interfacing with Raspberry Pi
- Pi Camera Module Interface with Raspberry Pi using Python

- PIR Motion Sensor Interfacing with Raspberry Pi using Python
- Stepper Motor Interfacing with Raspberry Pi

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