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Issue Date : 21st September 2017

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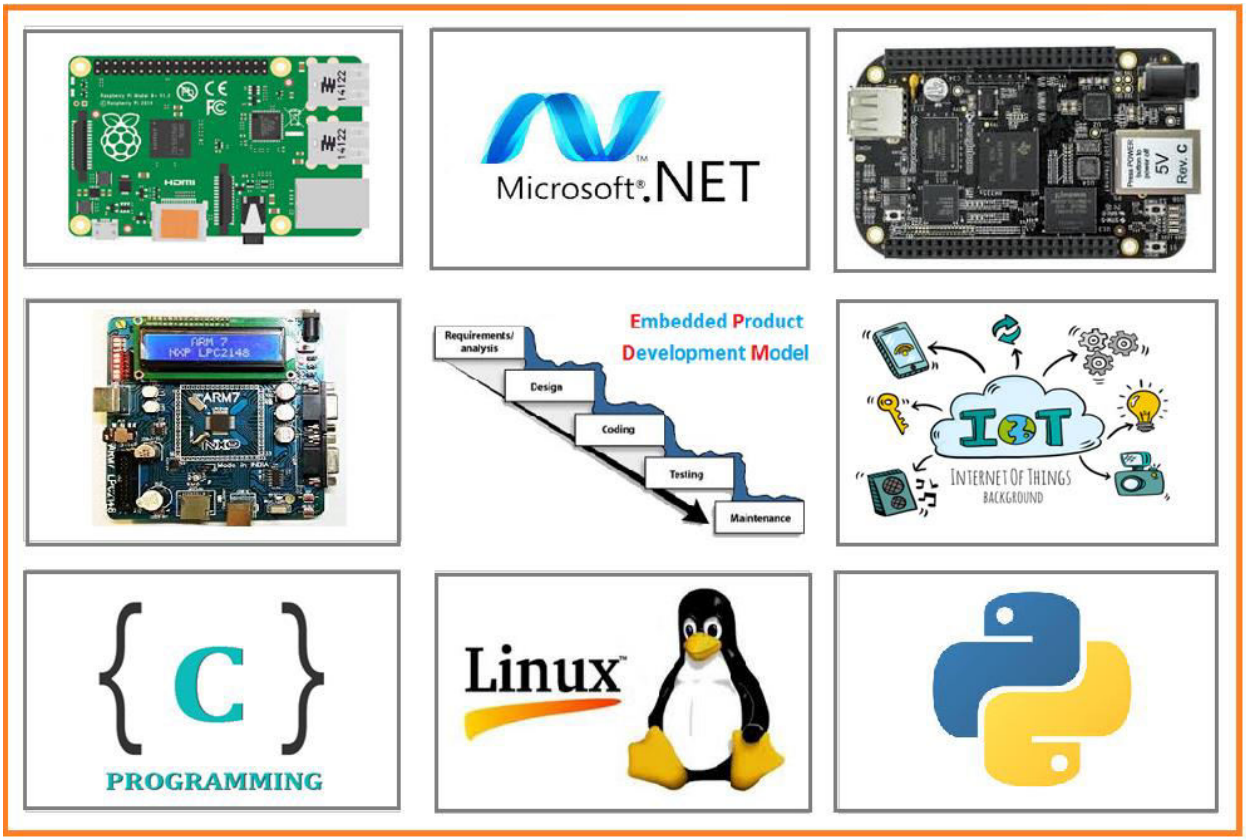

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1.1 Special features of c

1.2 C compilation process with GCC under Linux

1.3 C identifiers, variables, keywords and constants

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2.2 Decision control instructions

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ARM 7 Cortex-M0 Series Processor

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2.3 Block diagram of LPC2148
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2.5 Architectural overview
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3.2 Creating project with Keil
3.3 Debugging

Chapter 4 : Hardware Interface

4.1 Minimum system requirements for LPC2148
4.2 Hardware interfacing details

Chapter 5 : System Control

5.1 PLL
5.2 External Interrupt input
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Chapter 6 : Pin Connect block ,GPIO

6.1 Pin Connect Block
6.2 General Purpose I/O:
LED and switches interfacing
Buzzer
LCD
DC Motor
Matrix keypad interfacing

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Chapter 7 : Timer , ADC , UART

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7.2 10-bit ADC
7.3 UART : Features, Serial Communication

Chapter 8 : I2C , SPI ,PWM

8.1 2C–busseriall/OController:Features&InterfacingwithAT24C04
8.2 SPI-Serial I/O Controller : Features & Interfacing with SD Memory Card
8.3 PWM

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Raspberry Pi with IOT Embedded Linux

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1.2 Python programming for Raspberry Pi
1.3 Interacting and configuring the RPi OS
1.4 ARM 11 architecture
1.5 Porting of Linux Kernel and booting RPi

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Linux programming basics

Chapter 3

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3.2 Generating PWM signals through the Pi

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4.1 Programming and work with UART protocol
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Chapter 5

Work with I2C protocol

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Developing GUI with TKinter

Microcontroller 8051

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2.5 Registers and Register bank of controller

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Chapter 3

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5.1 Character LCD 16x2 interfacing logic and concept

5.2 Introduction of LCD command and data signals

5.3 LCD based programming

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Chapter 7

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8.1 Introduction of interrupts in controller

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9.1 Introduction of Relay

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Chapter 10

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13.1 Introduction to RFID communication

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3.3 RFID module programming

3.4 Practical project design based on RFID technology

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Chapter 4

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4.4 Practical project design based on GSM technology

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Dot Net

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1.2 Overview of the .NET Platform

1.3 How .NET is Different from Traditional Programming

1.4 .NET Framework Classes

1.5 Common Language Runtime (CLR)

1.6 Overview of .NET Assemblies

1.7 Net IDE use (developer mode)

1.8 Setting Profiles

1.9 Creating a Project

1.10 Using the Solution Explorer

1.11 Setting Project Properties

1.12 Adding References

1.13 Using the Code Editor

1.14 Compiling a Program

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1.15 Running a Program

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2.2 What are Windows Forms

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2.4 Using the Windows Forms Designer

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2.7 Label and Textbox Controls

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2.13 Modal versus Modeless Dialogs

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3.8 Group Validations & avoiding Validations

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3.18 Creating User Controls

3.19 Adding member to user controls

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3.21 Properties & Methods

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3.23 Master Pages

3.24 The Basics of Master Page

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3.25 Coding a Master Page

Chapter 4

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4.2 The ADO.NET Object Model

4.3 Connected vs. Disconnected Access

4.4 Using Connection Classes to Connect to a Data Source

4.5 Using Command Classes to Execute Queries and Stored Procedures

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4.12 Creating set project

4.13 Using Visual Studio Deployment Projects

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5.3 Integration Services

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5.9 Views

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