

# APPLICATION DEVELOPER (Programming)

## Course Overview

The course focuses on C# program structure, language syntax, and implementation details with .NET Framework 4.8. This course describes the new enhancements in the C# 8.0 language by using Visual Studio 2019. This Centre of I.T. Excellence Industry 4.0 training course provides a comprehensive and current overview of the latest tools and techniques for effective Website Development. This course will enable them to understand relationship between OOP Concepts and Programming Development Paradigm, Data-base connectivity and Logic Building .

## Course Objectives

### What You'll Learn : -

- Create, compile, debug, deploy and run C# programs.
- Write and understand C# language constructs, syn-tax, and semantics.
- Develop applications using the object-oriented con-cepts of encapsulation, inheritance and polymor-phism.
- Produce solid programs using industry-recognized multilayer architectures.



## Learning Outcome

By the end of this SENTRAL College's Industry 4.0 training course, participants will be able to : -

- Explain the purpose of the .NET Framework, and un-derstand how to use C# and Visual Studio 2019 to build .NET Framework applications.
- Understand the syntax of basic C# programming con-structs.
- Create and call methods in a C# application.
- Catch, handle and throw exceptions.
- Use inheritance to create new reference types.
- Manage the lifetime of objects and control the use of resources.
- Integrate code written by using a dynamic language such as Ruby and Python, or technologies such as COM, into a C# application

## Robust Logic Building Full stack Developer



Creative  
Ideas



Hands on  
Practice



Market  
Analysis



*INDCERT is an initiative by HRDF*

**For reservation, please contact:**  
**Dr. Jayaeswari 04-262 1888**

**For course details, please email:**  
**training@sentral.edu.my**



**SENTRAL COLLEGE PENANG** DK197(P)  
Menara SENTRAL, 3 Penang Street, 10200 Penang.

**sentral.edu.my**

