



SYMBIOSIS SKILLS AND PROFESSIONAL UNIVERSITY

(Established under Govt. of Maharashtra Act No. XXXVII 2017 dated 3rd May 2017)

Kiwale, Adjoining Mumbai - Pune Express Highway,

Pune 412 101, State - Maharashtra, INDIA.]

<http://www.ssou.ac.in>

School Name	School of Data Science
Program Name	Certificate course in Dot NET
Duration	3 .5 Months approx.(320 Hours)
Occupation & Description of Role	Dot Net Developer, Dot Net Full Stack Developer, Dot Net trainee
Eligibility (Educational)	BE/B.Tech (Engg, CSE), MS (Stat, Math), BSc (Stat, Math). Master's Degree in Science/ Technology/ Mathematics/ Statistics and Mathematics subjects studied in 12th Standard is a compulsory.
Pre-requisite	<ul style="list-style-type: none">• Understanding of Math / Stats at 12th standard level.• Knowledge of basic computer science principles and skills.• Basic programming knowledge – writing and executing code in any language. Laptop with minimum 8 GB RAM
Skills Students Acquire at end of the course	<i>Generic:</i> Communication skills (spoken, basic), Presentation Skills <i>Technical:</i> Building user interfaces, Troubleshooting software prototypes, Providing technical support to users, Developing programs for .Net applications, Creating procedures for running the applications. <i>Professional:</i> Team Work
Course Objective	To get familiarize with Microsoft.Net, C# and ASP.NET technologies, as well as working with variables, data types, standard programming skills & Windows form.
Course Learning Outcomes	<ol style="list-style-type: none">1. Evaluate C# and the .NET framework namespace contents.2. Develop the console and GUI applications using C# .Net

	<ol style="list-style-type: none"> 3. Set up various navigation techniques for integrating web pages within the site 4. Create the dynamic web page using ASP.NET Controls which interact with databases 5. Manage cookies and sessions as state management techniques 6. Explain advanced concepts related to Web Services, WCF and WPF in project development.
Module list	<ul style="list-style-type: none"> • Net Framework and C# • RDBMS and SQL Server • ADO.NET and ASP.NET • HTML and JavaScript • Bootstrap 5 • Angular or React • LINQ and EF Core • ASP.NET

Suggested learning Resources

Sr. No	Title of the Book / Link	Author / Website	Edition / volume	Text (T) Reference (R)
1	Professional C# .Net	Christian Nagel	Wrox Publication	T1
2	ASP.NET Complete Reference	Matthew Macdonald and Robert Standefer	Tata McGraw Hills	T2
3	C# The Basics	Vijay Mukhi	BPB Publications	T3
4	Programming ASP.NET MVC 5	Nimit Joshi	C# Corner	T4

