

**COURSE PROSPECTUS**

CDS/CA/7.5.1/F 40/R5

Name of the Group: **IT Group**Name of the Course: **Advanced Diploma in .NET Technologies (Online Course)**Course Code: **SW302**Starting Date: **7<sup>th</sup> Sep 2015**Duration: **12 Weeks**

**Preamble:** The power and elegance of Microsoft's popular .NET Technology has long been acknowledged. The .NET Framework is a comprehensive and consistent programming model for building applications that have visually stunning user experiences, seamless and secure communication, and the ability to model a range of business processes. By providing you with a comprehensive and consistent programming model and a common set of APIs, the .NET Technologies help you to build applications that work the way you want, in the programming language you prefer, across software, services, and devices.

**Objective of the Course:** This Online course will empower individuals to learn .NET Technologies within the comfort of their home/office. This course is intended for students/working professionals who want to become experts in .NET Technologies without affecting their study/work. The participants need not have to visit or stay in the campus for attending the course.

**Outcome of the Course:** After undergoing this course the participants will be able to develop applications in .NET using C#.NET, VB.NET & ASP.NET

**Course Structure:**

C#.NET	4 Weeks
VB.NET	2 Weeks
ASP.NET	3 weeks
Project	3 Weeks

The students can pursue this online course parallel to their study/work from their home/office. The course is delivered in eLearning mode using a Learning Management System. The efficient evaluation methods used in this course ensures the quality of the training. The total marks for the course and the grading strategy are announced at the beginning of the course. After every week the result of that week activities will be published.

**Other Contents**

- a. Course Fees: : 7000 + Service Tax at actuals= 7980. They need to pay this during the time of initial registration

SC/ST Students: 1800. They need to pay this during the time of initial registration. This is a security deposit only. They should submit duly filled up concession form and other documents as mentioned in the course brochure. The security deposit is refundable on successful completion of the course.

- b. Course Fee Installment Structure: The full amount has be paid during initial registration

**Modes of payments**

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1. Demand Draft to be drawn in favor of Director, NIELIT Calicut, Payable at State Bank of India, Calicut NIT Branch(2207). The DD should reach here before the last date to apply.
2. Using the pay in slip available in our web site ([Pay in slip](#)), through any branch of SBI (where this format is accepted). The **original counterfoil** should reach here before the last date to apply.
3. The fees can be paid directly into our account from any bank where core banking facility is available. The details required for direct payment are as given below.

- Account No : 31329537747
- Bank Name : SBI, NIT Chathamangalam
- Bank Code : 2207
- IFSC No : SBIN0002207
- MICR Code : 673002012

The depositor should obtain the UTR Number/Journal No from the branch while depositing cash directly into our account. Depositor should also obtain the counterfoil duly filled up and signed by the staff with seal of the bank through which the amount was deposited. The following details should reach here before the last date to apply.

1. Name of the Depositor
2. Name of the Student
3. Date of Payment
4. Amount Deposited
5. Name of Bank/branch through which amount deposited
6. Purpose – Course ID – Advance Fee/Hostel Rent/Installment Fee etc.
7. Proof of Deposit (**original** counterfoil/acknowledgement)
8. UTR Number

4. The fees can be paid through the [SBI Collect Payment Gateway](#) in [SBI Online](#)

1. Please click the SBI Collect hyper link to enter the payment gateway.
2. Select State of Corporate/Institution as Kerala
3. Select Type of Institution Educational Institutions and click on Go button
4. Select Educational Institutions Name as NIELIT and click Submit button
5. Select Payment Category as Course Fee
6. Enter all the fields including amount payable and follow the instructions

The following details should reach here before the due date.

1. Name of the Depositor
2. Name of the Student
3. Date of Payment
4. Amount Deposited
5. Purpose – Course Name:
6. UTR Number

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- c. Eligibility: Basic eligibility is BE/B.Tech/M.Sc/MCA/Graduation/Diploma in any discipline. Students undergoing the course are also eligible. Knowledge of any one programming language like C/C++/Java is a prerequisite to attend the course.

The availability of a PC (Windows XP or later, minimum 1GB RAM, 80GB HDD, 2.4GHz processor) with Broadband Internet Connection at the student's end is compulsory to attend this course.

- d. Number of Seats :40, SC/ST candidates and persons with disabilities are eligible for seat reservation and minimum marks for eligibility.
- e. How to Apply :  
Students are advised to apply in the prescribed Application Form available with the course brochure/course prospectus or downloaded from our website. Filled-in application forms along with a Demand Draft (or pay-in-slip) towards fee of ₹7980 (SC/ST Students ₹1800) *drawn in favour of Director, NIELIT, Calicut, Payable at State Bank of India, NIT Campus Branch (code: 2207), Chathamangalam* should be sent to the **Training Officer, NIELIT, P. B. No. 5, NIT Campus Post, CALICUT – 673 601, Kerala. The Name of the Course Applied for should be super scribed on the top of the cover in which the application form is forwarded.**
- f. Selection of candidates: Selection of candidates will be based on the marks obtained in their qualifying examination. Selection of candidates who have completed the course but expecting the results shall be based on the availability of seats. List of selected students shall be published in our website. All the communications in the course will be done through email/website only. If a student is not selected for the course the amount will be refunded. If the student is not selected as he is not having the basic eligibility, the amount will be refunded after deducting service tax.
- g. Test/Interview (if applicable) :N/A
- h. Counseling: N/A
- i. Spot Admission : If spot admission is open, spot admission will close within 15 days of Counseling/Admission of the course. On spot admission students should provide an undertaking saying that he/she is fully aware that he/she missed so much days of class and will not ask for further extension of course
- j. Admission Procedure: The list of selected students shall be published in our web site on 18-Aug-2015. The selected candidates should send the following documents to the Training Officer on or before 25-Aug-2015 in the below address.

**List of Documents**

1. Duly filled in [Application Form](#) downloaded from our site (applicable only for those who have applied online)
2. Duly Filled in [Checklist & Enrollment Form](#) downloaded from our website.
3. Attested Copies of Proof of Age, Qualification, Two passport size photos out of which one has to be affixed in the Application form.
4. SC/ST Certificate in original (Either in Hindi or English) with 2 copies (if applicable)

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5. SC/ST Fee Exemption Request in the [prescribed form](#). (if applicable)  
6. Physically Challenged Certificate & Income Certificate (if applicable)

**Address**

Training Officer, National Institute of Electronics and Information Technology,  
P. B. No. 5, NIT Campus Post,  
CALICUT – 673 601, Kerala.

After certificate verification and receipt of fees the student will be admitted to the course. Intimation for the same will be communicated to the student by email, together with the login credentials of the Learning Management System.

- k. Discontinuing the course: No fees under any circumstances shall be refunded in the event of a student discontinuing the course. Certificates will be issued to the successful candidates at the end of the course by post.
- l. Course Timings: The student can take the course any time of his/her choice round the clock. **Minimum 3-5hrs/day @32hrs/week work is recommended.**
- m. Location and How to reach : N/A
- n. Course enquiries :  
Students can enquire about the various courses either on telephone or by personal contact between 9.00 A.M. to 5.30 P.M. (Lunch time 1.00 pm to 1.30 pm).  
**Telephone Numbers:**  
Office 0495 - 2287266 / 2287166  
Director's Office 0495 - 2287123  
Training Officer 0495 - 2287266  
Course Coordinator 0495 - 2287266 (Ext. 217) (Ms. Vimala Mathew )  
Office Fax 0495 - 2287168  
E-mail: [trng@calicut.nielit.in](mailto:trng@calicut.nielit.in)  
Website: <http://calicut.nielit.in>
- o. Important Dates:  
Last date to submit the application form: 17-Aug **[Extended to 24<sup>th</sup> Aug 2015]**  
Selection Intimation in the web site: 18-Aug-2015(After 5 PM) **[for late applicants intimation will be sent through Email]**  
Last date for receipt of attested copies of certificates & Payment: 25-Aug-2015  
Commencement of classes: 7- Sep -2015
- p. Placement : Placement support will be provided.
- q. Hostel Facilities:N/A
- r. Canteen Facilities:N/A
- s. Lab Facilities:N/A

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**t. Course Contents :****C#**

Getting Started with .Net Framework, Exploring Visual Studio .NET, Inside a C# Program, Data Types, Statements, Arrays, Using Strings, Objects, Classes and Structs, Properties, Inheritance, Indexers, Delegates, Events, Namespaces, Generics, Collections and Data Structures, Exception Handling, Threading, Using Streams and Files, Reflection, Assemblies, Object Serialization, Windows Forms, Controls, Data binding to Controls, Advanced Database Programming using ADO.net, Using GDI +, Networking, Manipulating XML.

**VB.net**

Creating Applications with Visual Basic.NET, Variables, Constants, and Calculations, Making Decisions and Working with Strings, Lists, Loops, Validation, Sub Procedures and Functions, Multiple Forms, Standard Modules, and Menus, Arrays, Form Controls, Windows Presentation Foundation Controls, File Handling, Exception Handling, Working with Databases, Advanced Database Programming using ADO.net, Classes, Generics, Collections, Inheritance, Custom Controls, Introduction to Crystal Reports, Language Integrated Query, Packaging & deployment.

**ASP.net**

Building a Web Application, Using Standard Controls, Validating Form Input using Validation Controls, Understanding Applications and State, Applying Styles, Themes, and Skins, Creating a Layout Using Master Pages, Binding to Databases using Controls, Data Management with ADO.net, Creating a Site Navigation Hierarchy, Navigation Controls, Working with XML, Ajax, Developing Rich interactive Applications with Silverlight.

**Project**

During the project period, students should develop software in any of the areas covered in the course, under the guidance of the faculty. Students can take up relevant projects from the industry.