



NATIONAL INSTITUTE OF ELECTRONICS AND INFORMATION TECHNOLOGY (NIELIT), CALICUT

(Formerly DOEACC CENTRE CALICUT)

COURSE PROSPECTUS

CDS/CA/7.5.1/F 40/R1

Name of the Group: **IT Group**

Name of the Course: **Advanced course in .NET Technologies (Online Course)**

Course Code: **SW302**

Starting Date: **3rd Sep 2012**

Duration: **3 Months**

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	5 Weeks
VB.NET	3 Weeks
ASP.NET	3 weeks
Project	2 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

- Course Fees : Rs 8010/- (Service Tax Extra)
Tuition Fees/Examination fees are waived for SC/ST students. The students are requested to contact the Training Officer to know the fees payable by them for the Course Materials and other charges.
- Eligibility: BE/B.Tech, M.sc (IT/ computer Science / Electronics), MCA, BCA or equivalent of any of these. Degree holders with PGDCA, DOEACC A, B level, Diploma in Computer Sc, Electronics, or others with relevant experience.

The availability of a PC (Windows XP or later, minimum 512MB RAM, 20GB HDD, 2.4GHz processor) with Broadband Internet Connection at the student's end is compulsory to attend this course.

- Number of Seats : 30

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SC/ST candidates and persons with disabilities are eligible for seat reservation and minimum marks for eligibility.

- d. 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 the Advance Deposit of ₹1000/- should be sent to the **Training Officer, National Institute of Electronics and Information Technology, P. B. No. 5, NIT Campus Post, Calicut – 673 601, Kerala**. Modes of Payment given below. **The Name of the Course applied, should be superscribed on the envelop, in which the application form is forwarded.**
- e. Selection of candidates: Selection of candidates will be based on their marks in the qualifying examination subject to eligibility and availability of seats. Selection of candidates who have completed the course but expecting the results shall be based on the availability of seats. The list of selected students shall be published in our website. Individual call letters by **email alone** will be sent to the candidates. All the communications in the course will be done through email only.
- f. Test/Interview (if applicable) : N/A
- g. Counseling: N/A
- h. Admission Procedure: The list of selected students shall be published in our web site on 17-Aug-2012. The selected candidates should send the following documents to the Training Officer on or before 24-Aug-2012 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, Qualifications, Two passport size photos out of which one has to be affixed in the Application form.
4. SC/ST Certificate in original (if applicable)
5. Income Certificate (if applicable)
6. Payment (Modes of payment given below)

Address

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

The course name, **“Advanced Course in .NET Technologies(Online course)”** should be superscribed on the envelop.

After certificate verification and receipt of fees the student is 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.

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Modes of payments

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 : 31732177476
- 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
- i. 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.
- j. 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.**
- k. Location and How to reach : N/A
- l. Course enquiries :

Students can enquire about the various courses either on telephone or by personal contact between 9.15 A.M. to 5.15 P.M. (Lunch time 1.00 pm to 1.30 pm).

Telephone Numbers:

Office 0495 - 2287266 / 2287268

Director's Office 0495 - 2287123

Training Officer 0495 – 2287266

Course Coordinator 0495 – 2287179 (Ext. 217)

(Ms. Vimala Mathew)

Office Fax 0495 - 2287168

E-mail: trng@calicut.nielit.in Website: <http://calicut.nielit.in>

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m. Important Dates:

Last date to submit the application form: 17-Aug-2012

Selection Intimation in the web site: 17-Aug-2012(After 5 PM)

Last date for receipt of attested copies of certificates & Payment: 24-Aug-2012

Commencement of classes: 3-Sep-2012

n. Placement : Placement support will be provided.

o. Hostel Facilities:N/A

p. Canteen Facilities:N/A

q. Lab Facilities:N/A

r. **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, File Handling, Exception Handling, Working with Databases, Advanced Database Programming using ADO.net, Classes, Generics, Collections, Inheritance, Custom Controls, Introduction to Crystal Reports, Linq, Packaging & deployment.

ASP.net

Building a Web Application, Using Standard Controls, HTML 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.

Project

During the 1 month project period, students are required to 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.