National Institute of Electronics and Information Technology, Calicut

COURSE PROSPECTUS

Name of the Group: IT Group
Name of the Course: Advanced Diploma in .NET Technologies
Course Code: SW_101
Starting Date: 11/12/2017
Duration: 12 Weeks *Full Time Monday to Friday*
                          9.30 AM to 5.00 PM

Preamble: Given the growing demand for skilled professionals, and the rapid changes in technology, there is an increasing need to keep the academia abreast of the skill set requirement of the industry. The course has been designed to meet this requirement. This job-oriented course is designed with a proper balance of theory with practice, so that students get enough hands on experience. The project work at the end of the course enables students to get an exposure to industrial standards.

Objective of the Course: This 12 weeks intensive training course has been specifically designed to address the requirements of developers who want to become experts in .NET environment

Outcome of the Course: Participants will learn to develop applications using C# and VB.NET. They will also learn to apply these languages to develop server-side applications which make use of ADO.NET, ASP.NET, Web Services, LINQ, MVC etc

Course Structure:

SlNo.	Course Modules	Weeks
1	C#.NET	3
2	VB.NET	2
3	ASP.NET	3
4	Project Work	4

More than 50% of the time will be devoted for guided practical sessions.

Other Contents

a. **Course Fees :**
General Candidates: Course fee is ₹ **31,250/-** + GST at actuals

SC/ST Candidates : Tuition Fees/Examination fees are waived for SC/ST students admitted under SCSP/TSP. However they are required to remit an amount of ₹ **3,700/- as Advance caution/security deposit**. This amount will be considered as caution/security deposit and will be refunded after successful completion of the course. If the student fails to complete the course successfully this amount along with any other caution/security deposits by the student will be forfeited.

b. **Registration Fee:** An amount of ₹1000/- should be paid at the time of registering for the course. The same will be considered as caution deposit on student joining the course. This advance deposit will not be refunded for a selected candidate who does not join the course.

c. **Course Fee Installment Structure:**

1. Deposit at the time of Course Registration of Rs.1000/- will be considered as caution deposit on student joining the course.

2. Fee Installment structure for Advanced Diploma in .Net Technologies programs is as follows:

Fees	*Amount for General Candidates	Amount for SC/ST Candidates	Due Date (on or before)
** Advance Deposit	₹ 5,000 / -	₹ 3,700 /- (refundable after successful completion of course)	On or before 06-Dec-2017
1st Installment	₹ 31,875 (if advance deposit paid else ₹36,875/-)	Nil	On or before 11-Dec-2017
2nd Installment	Not Applicable		

* Above fees is inclusive GST @actuals (*18*%) and revision if any will be applicable at the time of payment.

** Advance fee - After publication of first selection list, the students in the first selection list have to pay the Advance Deposit within one week to take the provisional admission. Students in the additional selection should pay both Advance and First installment fee together on or before counseling day

Fine will be applicable to late fee payment as given below

Sl. No.	Description	Fine
1	Late fee payment within two weeks after due date	18% (annually) of the outstanding dues
2	After second week of due date the candidate has to pay readmission fees along with the fine	Readmission fee ₹250/- plus fine of 18% (annually) of the outstanding dues
3	The candidate has to discontinue the course after third week from the due date	

d. **Eligibility:** ME/MTech, BE/BTech, MCA, BCA, MSc/BSc/3 year Diploma (IT/Computer Science/Electronics) or equivalent of any of these or others with relevant experience.

e. **Number of Seats :** 10

f. **How to Apply :**

Students are advised to apply online @ http://nielit.gov.in/content/online-registration. Payment towards advance fee of Rs.1,000/- may be paid the SBI Collect Payment Gateway @ http://nielit.gov.in/calicut/content/mode-payments-0

Rs.1000/- will be considered as refundable caution deposit on student joining the course. This advance deposit will not be refunded for a selected candidate who does not join the course.

> SBI Collect Payment Gateway:
>
> 1. Please click the SBI Collect hyper link to enter the payment gateway.
> 2. Select Payment Category as *Course Fee*
> 3. Enter all the fields including amount payable and follow the instructions
>
> The following details should reach here before the due dates.
> 1. Name of the Depositor
> 2. Name of the Student
> 3. Date of Payment
> 4. Amount Deposited
> 5. Purpose – Course Name:
> 6. UTR Number

The Institute will not be responsible for any mistakes done by either the bank concerned or by the depositor while remitting the amount into our account.

g. **Selection of candidates**: Selection of candidates who have the requisite qualifying degree will be based on the percentage of marks in their qualifying degree subject to eligibility and availability of seats. Selection of candidates who have completed the course but expecting the results shall be based on the aggregate percentage of marks mentioned in their final mark list and on the availability of seats.

h. **Test/Interview (if applicable)** : Not applicable

i. **Counseling/Admission** : 11-Dec-2017

j. **Spot Admission**: If spot admission is open, spot admission will close within 15 days of Counseling/Admission of a particular 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 extra classes or further extension of course.

k. **Admission Procedure :**
Students who have been selected for test/interview/counseling/admission are required to report to the Institute on the prescribed day by 9:30 hrs along with the following

1. Original and attested Copies of Proof of Age, Qualifications, etc
2. One passport size photograph and one stamp size photograph for identity card.
3. SC/ST Certificate (Original and attested copies, if applicable)
4. Income Certificate (Original and attested copy, if applicable)

The students on reaching the Institute are required to meet the Front Office Councilor (FOC). The FOC then directs the student to the Course Coordinator. The student gets the certificates and enrollment form verified by the Course Coordinator and then meets the FOC who shall direct the student to the Accounts for payment of fees. A student is thus admitted, attested copies of all documents shall be handed over to the Course Coordinator.

l. **Discontinuing the course:** No fees (including the caution deposit) under any circumstances, shall be refunded in the event of a student discontinuing the course. No certificate shall be issued for the classes attended.

m. **Course Timings:** 9.30 am to 12.30 pm and 1.30 pm to 5.15 pm Monday to Friday

n. **Location and how to reach :**
NIELIT Calicut is located very close to NIT campus and is about 22Kms from the Calicut (Kozhikode) city. A number of buses (Buses to NIT via Kunnamangalam) are available from "Palayam Bus Stand and KSRTC Bus Stand". The bus stop at our Institute is called "Panthrand" and is one stop before NIT. The bus fare is around ₹.*17/-* from Calicut City to NIELIT.

Calicut (Kozhikode) is well connected by Rail, Road and Air form different parts of the country. The maximum and minimum temperatures range between 35^0C and 20^oC.

o. **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 / 2287178
Coordinator (SW-100)	0495 – 2287266 (Extn:226), **Mob: 9447335996**
Office Fax	0495 - 2287168
E-mail:	**trng@calicut.nielit.in** **sini@calicut.nielit.in**
Website:	**http://calicut.nielit.in**

p. **Important Dates (if applicable) :**

Last date for submitting application	– 29-Nov-2017
Selection intimation Through Website	– 29-Nov-2017 (After 5.00 pm)
Counseling/Admission	– 11-Dec-2017

q. **Placement :**

Our Placement Cell provides placement assistance to students who qualify our courses. This course helps the students to improve their technical and practical knowledge which enable them to apt for the industry requirements. Also, Our Placement Cell conducts weekly placement test and mock interviews to enhance the student's confidence to face the industry based tests and interviews.

The students are getting placed by,

- Campus placement
- Forward the collected resumes of students to companies, who approach us for their manpower requirements,
- Students themselves attend interview at different companies with recommendation letters/certificates of the course.

About 80% of students are already placed in various companies like Wipro, TCS, Samsung, BDI Systems, Cognizant, Fujitsu, Ospyn Technologies, Xpeditions IT Solutions and many more.

r. **Hostel facilities :**

Hostel accommodation is available for boys and girls on monthly or daily chargeable basis. The hostel fee varies from Rs.1,400 /- to Rs.1,500/-- per month depending on the type of accommodation. However, students are required to pay the hostel fees for the duration of the course for which they are seeking admission at the time of joining the course.

s. **Canteen facilities :**

Canteen & Mess facility is available for both boys & girls, students, those who avail mess facility should pay monthly mess fee @Rs.130/- per day. An amount of Rs.1,000/- should be paid as mess advance to the Canteen Contractor at the time of joining the mess which will be adjusted in the last month mess fee.

An amount of Rs.3,000/- should be paid as caution deposit (hostel & mess) at the time of joining the hostel which will be refunded/adjusted at the end of the course.

t. **Lab Facilities:**
The IT Lab is equipped with high-end Intel Xeon Dual Processor based servers and more than 100 networked PCs with internet facility. A variety of software is available which include Windows OS all versions and applications, MSDN Subscription, Adobe CS Master Collection, Rational Rose, VMWare, Kylix, Cold Fusion and multimedia development tools. The 24x7 Wi-Fi campus enables the students to get on-line anywhere on campus.

u. **Course Contents :**
C# .Net
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, versioning, 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, Timers, Form Controls, Windows Presentation Foundation Controls, Working with Databases, Advanced Database Programming using ADO.net, Custom Controls, Packaging & deployment, Using Crystal Reports.

ASP.Net
Building a Web Application, Examples Using Standard Controls, Validating Form Input Controls 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, Login Controls, Securing Applications, Working with XML, Using Crystal Reports in Web Forms, AJAX, LINQ,ASP.Net MVC.

Project
Students are required to develop a .Net application under the guidance of the faculty. Students can also take up relevant projects from the industry.