Continuing Education Program

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**Project 2 Quarter 8**

**IG BANK**



**Created By:**

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**Class:**

4SC4

**Faculty:**

Mr. Riza Muhammad Nurman

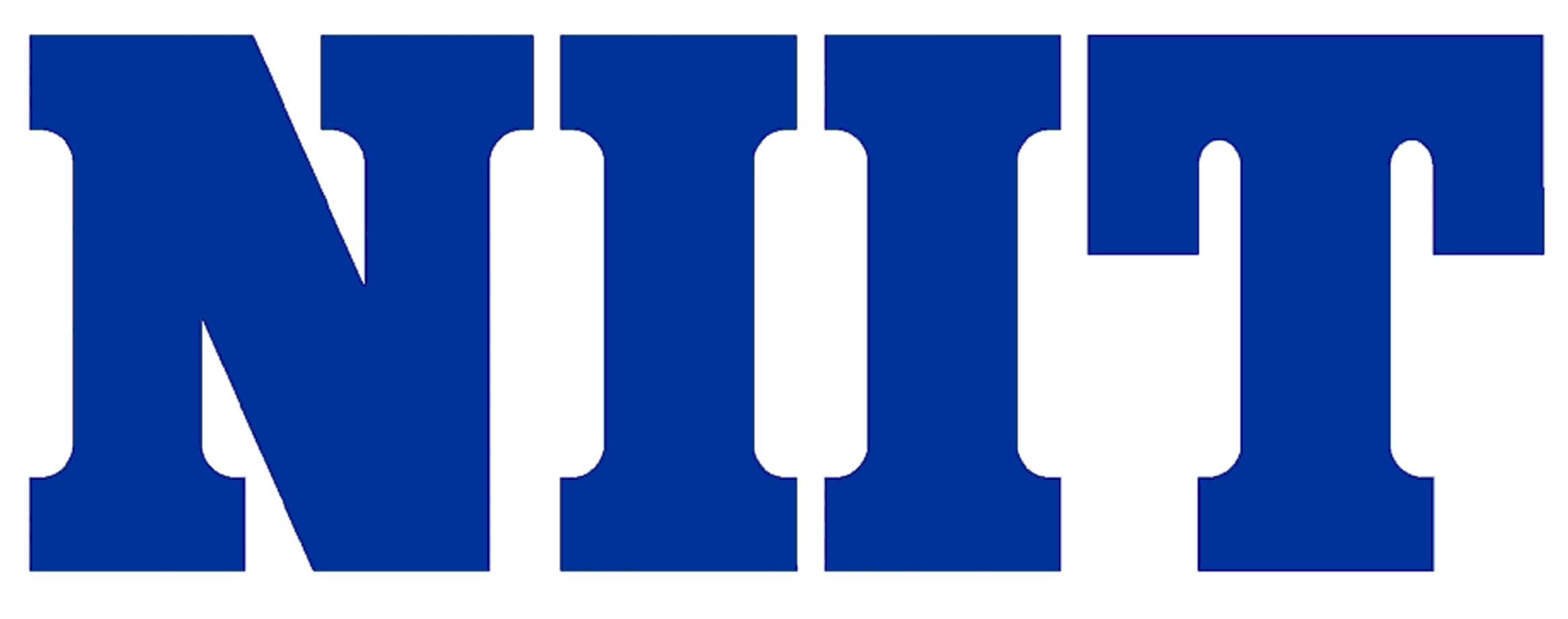
**PROJECT ON**

*IG BANK*

Developed by:

Cindy Novianty (**1310010390**)

Jashinta Anggriana Putri (**1310010398**)



**IG BANK**

Batch Code : 4SC4

Start Date : June 10th 2015

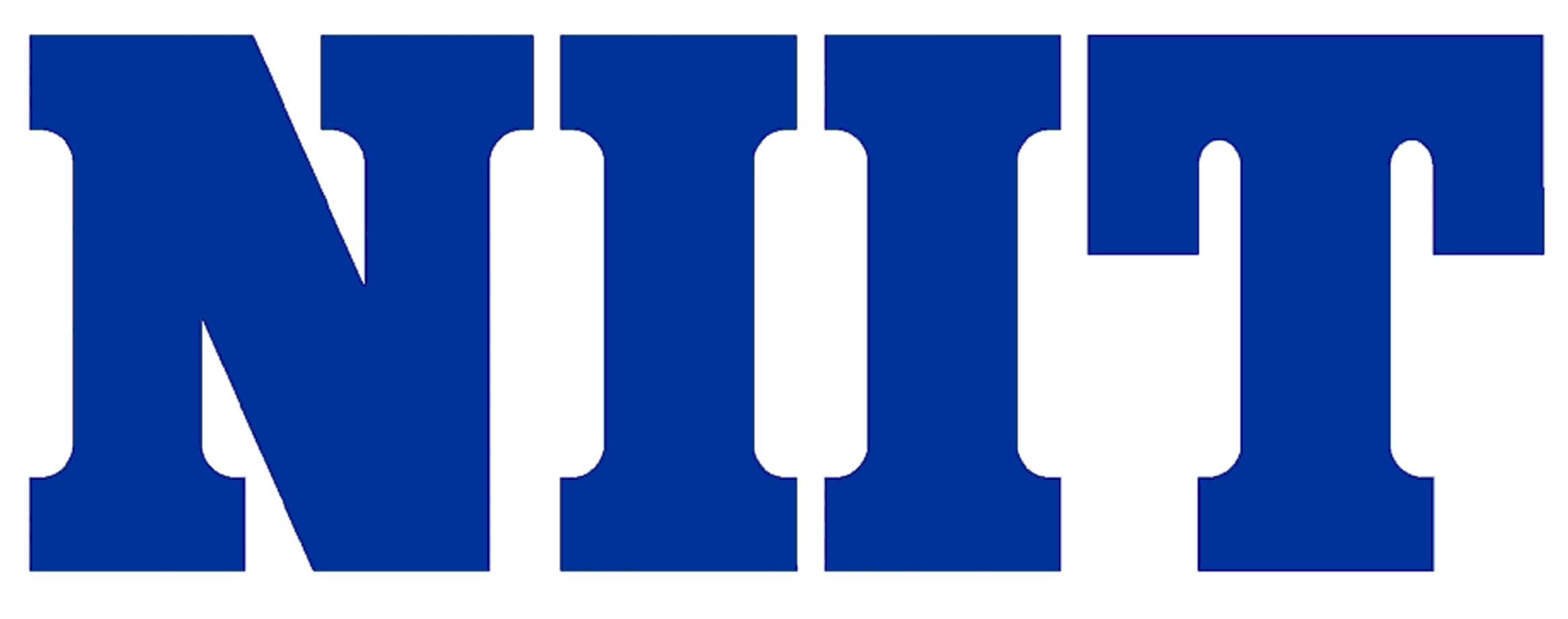
End Date : June 25th 2015

Name of Coordinator : Mr. Riza Muhammad Nurman

Name of the Developer :

1. Cindy Novianty
2. Jashinta Anggriana Putri

Date of Submission : June 26th 2015



**CERTIFICATE**

This is to certify that this project report titled IG BANK embodies the original work done by *Cindy Novianty and Jashinta Anggriana Putri* in partial fulfillment of their course requirement at NIIT.

Coordinator:

*Mr. Riza Muhammad Nurman*

**ACKNOWLEDGEMENT**

We have benefited a lot from the feedback and suggestions that given to us by Mr. Riza Muhammad Nurman and others.

**INTRODUCTION**

IG Bank is a bank that give some facility such as internet banking for customer and desktop application for admin, the developer of IG Bank will analyze about the software quality assurance, the result of this analysis will show that if the software have a good quality or not and give a brief introduction of IG Bank that needs to be tested.

**IDEAL TEST ENVIRONMENT FOR IG BANK**

Test environment is the description of the hardware and software environment in which the application software will be executed to determine competency and efficiency. The purpose of test environment is maintaining a central repository of test-environments in scope with their latest version and connectivity details and allocation of test environments to teams as per requirement.

Describe the ideal software and hardware requirements to test the internet banking website and desktop application

* **Hardware:**
* Processor Intel(R) Pentium(R) CPU B940 @ 2.00GHz , 2.00GB RAM and CDROM
* Processor Intel Core i7 and higher, CD ROM Drive, Optical Wireless Wheel Mouse and Keyboard, 14” Color Monitor
* **Operating System:**
* Microsoft Windows 7 Ultimate
* Microsoft Windows 8.1 Single Language
* **Software:**
* ASP.Net, IIS Web Server, Visual Studio 2012, SQL Server 2005 and 2008 Standard Edition, WCF Service.

Test Techniques is to define one international standard covering software test design techniques (also known as test case design techniques or test methods) that can be used during the test design and implementation process within any organisation or software development life cycle model. The purpose of test techniques is ensure that the system is working good enough or not.

Describe different types of testing techniques that can be implemented to test the internet banking website and admin desktop application. The suitable testing techniques can be selected from the following techniques to test the application:

* Structural Testing Technique:
* Load/Stress Testing
* Recovery Testing
* Operation Testing
* Security Testing
* Compliance Testing
* Functional Testing Techniques:
* Requirements Testing
* Regression Testing
* Error-handling Testing
* Manual-support Testing
* Intersystem Testing

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**TESTING TECHNIQUES IMPLEMENTED IN IG BANK**

**TYPE OF TESTING TOOLS FOR IG BANK**

Testing tools is an instrument used by a tester to perform testing. The purpose of testing tools for perform various activities and are applicable for use in all the phases of the system development life cycle.

Efficient testing of an application necessitates the use of some testing tools. These tools perform various activities and are applicable in all the phases of the system development life cycle.

Describe the testing tools applicable for IG Bank that can be selected from the following testing tools:

* Unit testing tool
* Manual tool

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**RISKS TO IG BANK DURING TESTING**

Risk management is the process of identifying , controlling, and eliminating or minimizing risks that may affect system resources. The purpose of the risk management is identify possible risks, reduce or allocate risks and provide a rational basis for better decision making in regards to all risks

Identify and describe the risks from the following types of risks that may affect the IG Bank:

* Software Risks
* Business Risks
* Premature Risks
* Testing Risks

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**TYPICAL COMPONENTS OF TEST PLAN FOR IG BANK**

Test plan is a document that describes the scope, resources, approach, and schedule of intended test activities. It identifies the items to be tested, items not be tested, who will do the testing, the test approach followed, what will be the pass/fail criteria, training needs for team, the testing schedule etc.

A typical test plan should describe the purpose of the test plan along with the intended audience for the test plan. The test plan should describe the following components based on the IG Bank:

* Project Objectives
* System Description
* Test Objectives
* Features to be Tested
* Test Team
* Staffing and Training Needs
* Budget
* Requirements

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**TEST METRICS RELEVANT TO IG BANK**

Metrics are the best way to know whether a process is under control and is performing as desired,

test metric is to measure the quality of software product for each testing activities. The purpose of test metrics is managing the test activities, measurable data on the test process and test products is needed. Describe the need for designing test metrics and the types of test metrics that should be gathered to test the IG Bank

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