NITT Scholarship Information System

**Problem Statement**

**Problem faced by students:**

         When first year students come and if they want to apply for scholarship there are many problems which are faced by student like lack of knowledge about required documents, what is the process in NITT to apply for scholarship, what is the process for different stats and etc.

When scholarship has been sanctioned students are not able to know about it immediately as it sanctioned. They need its notification immediately.

               When application form has been sent student do not have any idea about it whether it has been sent or not or if it has been sent then whether it has delivered to the students dist office or not and etc.

For the old student when they go for renew the scholarship application they do not get the old record like scholarship sanctioned number etc which is required for renewal of scholarship.

**Problem faced by department members or office members:**

Because every student who are going to apply for scholarship is having enquiry about it so they go to the scholarship department and ask for every single enquiry as it makes disturbment to the office member in their work.

**Solution:**

Every problem can be solved online and data can be main tend by database system.

Application will be developed in PHP or HTML

**Report on Configuration DefaultConfig**

Overridden Properties

Subjects:

Browser

Metaclasses:

Settings

Properties:

ShowPredefinedPackage: False

Packages

AnalysysPkg

Language: C++

PHP ,HTML

Use Case Diagrams:

# Fuctional Overwiew

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Overridden Properties

Subjects:

Format

Metaclasses:

Actor

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,128

Font.Font: Arial

Fill.FillColor: 255,255,255

DefaultSize: 0,26,84,168

Font.Size: 10

Line.LineColor: 111,0,107

UseCase

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

DefaultSize: 0,21,129,92

Font.Size: 10

Line.LineColor: 111,0,107

System\_Border

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

DefaultSize: 0,0,228,240

Font.Size: 10

Line.LineColor: 111,0,107

Flow

Properties:

Line.LineWidth: 0

Font.FontColor: 0,0,128

Font.Font: Arial

Line.LineStyle: 1

Font.Size: 10

Line.LineColor: 0,112,0

Association

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,128

Font.Font: Arial

Font.Size: 10

Line.LineColor: 221,0,0

Depends

Properties:

Line.LineWidth: 0

Font.FontColor: 0,0,128

Font.Font: Arial

Line.LineStyle: 1

Font.Size: 10

Line.LineColor: 0,16,230

Flows:

# SignIn\_Upload\_Infomation

From SignIn to Upload\_Infomation

# SignIn\_Download\_information

From SignIn to Download\_information

# SignIn\_DataBase

From SignIn to DataBase

# DataBase\_SignIn

From DataBase to SignIn

# SignUp\_DataBase

From SignUp to DataBase

# CheckInfomation\_and\_store\_it\_into\_database\_DataBase

From CheckInfomation\_and\_store\_it\_into\_database to DataBase

Globals:

Actors:

# DataBase

Association Ends:

itsAnswers

Association with Answers, Multiplicity of 1, Bi-directional, Navigable

itsCheck\_info

Association with Check\_info, Multiplicity of 1, Bi-directional, Navigable

itsDBA

Association with DBA, Multiplicity of 1, Bi-directional, Navigable

itsDownload\_information

Association with Download\_information, Multiplicity of 1, Bi-directional, Navigable

itsSignIn

Association with SignIn, Multiplicity of 1, Bi-directional, Navigable

itsSignUp

Association with SignUp, Multiplicity of 1, Bi-directional, Navigable

itsStudent\_Query

Association with Student\_Query, Multiplicity of 1, Bi-directional, Navigable

itsUpload\_Infomation

Association with Upload\_Infomation, Multiplicity of 1, Bi-directional, Navigable

# DBA

Association Ends:

itsCheckInfomation\_and\_store\_it\_into\_database

Association with CheckInfomation\_and\_store\_it\_into\_database, Multiplicity of 1, Bi-directional, Navigable

itsDataBase

Association with DataBase, Multiplicity of 1, Bi-directional, Navigable

itsDownload\_information

Association with Download\_information, Multiplicity of 1, Bi-directional, Navigable

itsSignIn

Association with SignIn, Multiplicity of 1, Bi-directional, Navigable

itsSignUp

Association with SignUp, Multiplicity of 1, Bi-directional, Navigable

itsUpload\_Infomation

Association with Upload\_Infomation, Multiplicity of 1, Bi-directional, Navigable

# Staff\_member

Association Ends:

itsAnswers

Association with Answers, Multiplicity of 1, Bi-directional, Navigable

itsDownload\_information

Association with Download\_information, Multiplicity of 1, Bi-directional, Navigable

itsSignIn

Association with SignIn, Multiplicity of 1, Bi-directional, Navigable

itsStudent\_Query

Association with Student\_Query, Multiplicity of 1, Bi-directional, Navigable

itsUpload\_Infomation

Association with Upload\_Infomation, Multiplicity of 1, Bi-directional, Navigable

# Student

Association Ends:

itsDownload\_information

Association with Download\_information, Multiplicity of 1, Bi-directional, Navigable

itsSignUp

Association with SignUp, Multiplicity of 1, Bi-directional, Navigable

itsStudent\_Query

Association with Student\_Query, Multiplicity of 1, Bi-directional, Navigable

itsUpload\_Infomation

Association with Upload\_Infomation, Multiplicity of 1, Bi-directional, Navigable

Use Cases:

# Answers

Association Ends:

itsStaff\_member

itsDataBase

# Check\_info

Association Ends:

itsSignIn

itsDataBase

# CheckInfomation\_and\_store\_it\_into\_database

Association Ends:

itsSignUp

itsDBA

# Download\_information

Association Ends:

itsSignIn

itsDataBase

itsDBA

itsStudent

itsStaff\_member

# SignIn

Association Ends:

itsStaff\_member

itsDataBase

itsUpload\_Infomation

itsDownload\_information

itsDBA

itsCheck\_info

# SignUp

Association Ends:

itsStudent

itsDataBase

itsDBA

itsCheckInfomation\_and\_store\_it\_into\_database

# Student\_Query

Association Ends:

itsStaff\_member

itsDataBase

itsStudent

# Upload\_Infomation

Association Ends:

itsSignIn

itsDataBase

itsDBA

itsStudent

itsStaff\_member

# usecase\_17

ArchiturePkg

Language: C++

Globals:

NITTScholarshipInformationSystem

Language: C++

Object Model Diagrams:

# NITT\_Scholarship\_Information\_System

****

Overridden Properties

Subjects:

Format

Metaclasses:

Class

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

Line.LineStyle: 0

DefaultSize: 0,34,84,148

Font.Size: 10

Line.LineColor: 121,122,0

# ObjectModelDiagram

****

Overridden Properties

Subjects:

Format

Metaclasses:

Class

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

Line.LineStyle: 0

DefaultSize: 0,34,84,148

Font.Size: 10

Line.LineColor: 121,122,0

Association

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,128

Font.Font: Arial

Font.Size: 10

Line.LineColor: 221,0,0

Object

Properties:

Font.Underline@Child.NameCompartment@Name: 1

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

Line.LineStyle: 0

DefaultSize: 0,34,84,148

Font.Size: 10

Line.LineColor: 121,122,0

Port

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

DefaultSize: 0,0,68,73

Font.Size: 10

Line.LineColor: 121,122,0

# SignIn

****

Overridden Properties

Subjects:

Format

Metaclasses:

Class

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

Line.LineStyle: 0

DefaultSize: 0,34,84,148

Font.Size: 10

Line.LineColor: 121,122,0

Association

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,128

Font.Font: Arial

Font.Size: 10

Line.LineColor: 221,0,0

Object

Properties:

Font.Underline@Child.NameCompartment@Name: 1

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

Line.LineStyle: 0

DefaultSize: 0,34,84,148

Font.Size: 10

Line.LineColor: 121,122,0

Sequence Diagrams:

# Execution

****

Overridden Properties

Subjects:

Format

Metaclasses:

ReplyMessage

Properties:

Line.LineWidth: 0

Font.FontColor: 0,0,128

Font.Font: Arial

Line.LineStyle: 1

Font.Size: 10

Line.LineColor: 0,112,0

InstanceLine

Properties:

Line.LineWidth: 0

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

DefaultSize: 0,0,96,437

Font.Size: 10

Line.LineColor: 121,122,0

Message

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,128

Font.Font: Arial

Font.Size: 10

Line.LineColor: 0,112,0

EnvironmentLine

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

DefaultSize: 0,0,96,437

Font.Size: 10

Line.LineColor: 0,0,0

SequenceDiagram

Metaclasses:

General

Properties:

ClassCentricMode: True

RealizeMessages: True

CleanupRealized: True

# SignIn

****

Overridden Properties

Subjects:

Format

Metaclasses:

ReplyMessage

Properties:

Line.LineWidth: 0

Font.FontColor: 0,0,128

Font.Font: Arial

Line.LineStyle: 1

Font.Size: 10

Line.LineColor: 0,112,0

InstanceLine

Properties:

Line.LineWidth: 0

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

DefaultSize: 0,0,96,437

Font.Size: 10

Line.LineColor: 121,122,0

Message

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,128

Font.Font: Arial

Font.Size: 10

Line.LineColor: 0,112,0

DataFlow

Properties:

Line.LineWidth: 0

Font.FontColor: 0,0,128

Font.Font: Arial

Line.LineStyle: 2

Font.Size: 10

Line.LineColor: 0,112,0

EnvironmentLine

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

DefaultSize: 0,0,96,437

Font.Size: 10

Line.LineColor: 0,0,0

SequenceDiagram

Metaclasses:

General

Properties:

ClassCentricMode: True

RealizeMessages: True

CleanupRealized: True

Globals:

Classes:

# DataBaseInformation

Operations:

AskForDownLoadInormation

Primitive-operation , Public, Return type is void

IfNotVerifiedLogInAgain

Primitive-operation , Public, Return type is void

IfVerifiedAllowToLogIn

Primitive-operation , Public, Return type is void

LogInVerification

Primitive-operation , Public, Return type is void

PutAnswers

Primitive-operation , Public, Return type is void

PutQuery

Primitive-operation , Public, Return type is void

# InSignUpClass

Ports:

port\_0

Multiplicity of 1

Contract: <Implicit>

Provided Interfaces:

Required Interfaces:

Association Ends:

itsSaveData

Association with SaveData, Multiplicity of 1, Bi-directional, Navigable

# LogiInPage

Association Ends:

itsSignIn

Association with SignIn, Multiplicity of 1, Bi-directional, Navigable

# LogInPage

# NITTScholarshipInformationSystem

Operations:

FillForm

Primitive-operation , Public, Return type is void

# SaveData

Ports:

port\_0

Multiplicity of 1

Contract: <Implicit>

Provided Interfaces:

Required Interfaces:

Association Ends:

itsInSignUpClass

Association with InSignUpClass, Multiplicity of 1, Bi-directional, Navigable

# SaveDataInDatabase

Operations:

IfVerifiedSaveInDatabase

Primitive-operation , Public, Return type is void

SendNotification

Primitive-operation , Public, Return type is void

Verification

Primitive-operation , Public, Return type is void

# SignIn

Objects:

itsLogiInPage

Object of LogiInPage, Multiplicity of 1

itsSignIn

Object of SignIn, Multiplicity of 1

Association Ends:

itsLogiInPage\_1

Association with LogiInPage, Multiplicity of 1, Bi-directional, Navigable

Operations:

Veryfy

Primitive-operation , Public, Return type is void

Attributes:

Password

Type of 'string', Public, Multiplicity of 1

roll\_no

Type of long, Public, Multiplicity of 1

Statechart



Overridden Properties

Subjects:

Format

Metaclasses:

DanglingTransition

Properties:

Line.LineWidth: 2

Line.LineColor: 0,0,0

State

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

Line.LineStyle: 0

DefaultSize: 0,0,96,60

Font.Size: 10

Line.LineColor: 0,112,0

ROOT

Or-state

Substates:

Done

SaveInDatabase

Take\_input

Verification

Default Transition

Target:

Take\_input

Done

Or-state

SaveInDatabase

Or-state

Out Transition

Target:

Done

Take\_input

Or-state

Out Transition

Target:

Verification

Verification

Or-state

Out Transition

Target:

SaveInDatabase

# SignUp

Objects:

itsInSignUpClass

Object of InSignUpClass, Multiplicity of 1

itsSaveData

Object of SaveData, Multiplicity of 1

Operations:

Check\_info

Primitive-operation , Public, Return type is void

FillForm

Primitive-operation , Public, Return type is void

GivePassword

Primitive-operation , Public, Return type is void

Return\_verification

Primitive-operation , Public, Return type is void

SaveInDatabase

Primitive-operation , Public, Return type is void

Verification

Primitive-operation , Public, Return type is void

Attributes:

Category

Type of 'string', Protected, Multiplicity of 1

Conform\_password

Type of 'string', Public, Multiplicity of 1

Name

Type of 'string', Protected, Multiplicity of 1

New\_password

Type of 'string', Public, Multiplicity of 1

Roll\_no

Type of long, Protected, Multiplicity of 1

State

Type of 'string', Public, Multiplicity of 1

Statechart



Overridden Properties

Subjects:

Format

Metaclasses:

DanglingTransition

Properties:

Line.LineWidth: 2

Line.LineColor: 0,0,0

State

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

Line.LineStyle: 0

DefaultSize: 0,0,96,60

Font.Size: 10

Line.LineColor: 0,112,0

TerminationConnector

Properties:

Line.LineWidth: 1

Fill.FillColor: 107,182,107

DefaultSize: 0,0,25,23

Line.LineColor: 0,0,0

ROOT

Or-state

Substates:

Done

SaveInDatabase

TakeInput

Verification

Done

Or-state

Out Transition

Target:

Termination Connector

SaveInDatabase

Or-state

Out Transition

Target:

Done

TakeInput

Or-state

Out Transition

Target:

Verification

Verification

Or-state

Out Transition

Target:

SaveInDatabase

RequirementPkg

Language: C++

Globals:

SubsystemPkg

Language: C++

Globals:

Object Model Diagrams

# Model1

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Overridden Properties

Subjects:

General

Metaclasses:

Graphics

Properties:

grid\_display: False

Components

DefaultComponent

Language: C++

Component Settings:

Build type: Executable

Configurations:

# DefaultConfig

Scope type: Explicit

Instrumentation type: None

Time-model type: Real-time

Statechart generation type: Flat

**Files and Folders:**

**ER-Diagram**

User Type

**User**

**Registered User**

**Student**

**Staff**

**Registration Form**

Is Registered

Yes

No

Is Student

Is Staff