A

PROJECT REPORT

ON

"COURSE MANAGEMENT SYSTEM"

FOR

Arts, Commerce & Science College, Sonai

SUBMITTED TO

SAVITRIBAI PHULE PUNE UNIVERSITY,PUNE

BY

Miss. Darandale Rupali Vitthal

Miss. Sathe Sapana Anil

Under the Guidance of

Prof. Nangare Y.L.

IN PARTIAL FULLFILLMENT OF

BACHELOR OF COMPUTER APPLICATIONS

FOR THE ACADEMIC YEAR

2018-2019

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Mula Education Society's
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NAAC REACCREDITED 'A' GRADE and ISO 9001 : 2008 CERTIFIED

Date: 22-3-19

CERTIFICATE

This is to certify that **Miss. Darandale rupali vitthal & Miss. Sathe Sapana Anil** are bonafide students of **Arts, Commerce and Science College, Sonai** have successfully completed the Mini project work as prescribed by the Savitribai Phule Pune University, Pune in the partial fulfillment of the requirement of Third Year, Bachelor of Business Administration (Computer Application).Program for the academic year **2018-2019**.

The Project Work titled as "**Course Management System**".

Mr. Yogesh Nangare
Project Guide

Read 20/3/19
Mr. Admane S.L. (C.A.)
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22/3/19
External Examiner

Internal Examiner

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DECLARATION

We hereby declare that the project work entitled, "**Course Management System**" submitted under the guidance of **Mr. Yogesh Nangare** is our original work completed under the four walls of our institute.

The Report submitted is our own work and has not been duplicated from any other source. We shall be responsible for any unpleasuremoment /situation.

Miss. Darandale Rupali Vitthal

Miss. Sathe Sapana Anil

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ACKNOWLEDGEMENT

At every outset we express my gratitude to almighty lord for showering his grace and blessings upon me to complete this project.

Although our name appears on the cover of this book, many people had contributed in some form or the other form to this project Development. We could not done this project without the assistance or support of each of the following we thank you all.

We wish to place on my record my deep sense of gratitude to my project guide, for his constant motivation and valuable help through the project work. Express my gratitude to and **Mr. Yogesh Nangare** of **Arts, Commerce & Science College, Sonai** for her valuable suggestions and advices throughout the **B.B.A (CA)** course. We also extend my thanks to other faculties for their Cooperation during my Course.

Finally we would like to thank my friends for their cooperation to complete this project.

Miss. Darandale Rupali

Miss. Sathe Sapana Anil

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Introduction

A course management system is set of tools that enable the instructor to create course content information. This become an integral part of education system they create teaching and course management system is easier by providing a set of tools for instructors the system is executive to include class rosters and therefore ability to record students grades. Course management system software are used in college and universities to get in touch from any location to get students from different branch can register with application and submit work and get grades. The course management system tools additionally focus on all aspects of teaching, learning, and teacher student interaction. Every education or courses there should be consistent interaction between students for submitting assignments and homework projects etc. and acquire feedback. This system extremely secures very reliable and attributable to the safety features provides for the course management system. This system cannot access the unauthorized user.

This system produces three modules

1] Administrative module.

2] Student module.

3] Instructor module.

1] Administrative module -:

Administrator module is for controlling administrative works such as creating account for student and instructor.admin can produce accounts for college students and faculties make course programmed list and add instructor students to its course list.

2] Student module -:

Student can register with application of system and login username and password. He will check and submit homework and every student have id.

3] Instructor module -:

It checks student's homework or the assignments and assign grades to the students.

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Existing system and its Limitationss

The existing system was consisting of the manual work which was written by hand on the paper. All the record maintained manually. The system analysis is detailed study of the various operation performed by a system and their relationship within the outside of the system analysis begins a study of the program using existing system.

During analysis data collected on the various files , decision point and transaction handled by the present system training, experience are required for collection of relevant information needed to develop the system .

In this Existing system students needs to visit faculties and take appointment from faculties or instructor to submit work.

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Limitations

- Very much paper work was required for the system.
- It is time consuming.
- To maintain the record is large in size & after 10 years Papers are disposed.
- Therefore no Data backup is possible
- Due to manual system, accuracy decreases.

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Scope of the project

The course management system is helps collecting perfect in details. In a very short time collection will be obvious, simple and sensible. It also helps to the current all works relative to course management system. It will be also reduce the cost of collecting the management and collection procedure go on smoothly.

1) Rapid information processing.
2) Accurate report generation.
3) Less paper work.
4) Fast & reliable information distribution.
5) Reduction in cost.
6) Time sharing

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Requirements Specifications

1) Minimum Software Requirements:

Software is the collection of programs. For running of the system Software is needed.

- Operating System : Windows XP & above Versions
- Software : Net Beans IDE 8.1
  Database: oracle 10g
  Report: Jasper Report,
  Documentation: MS Office

2) Minimum Hardware Requirement:

Physical requirement i.e. Monitor, CPU, Mouse, Printer etc. are called as Hardware requirements.

- RAM : 4 GB
- Hard Disk : Minimum 160 GB
- Printer : laser printer
- Keyboard : Standard 102-key Keyboard
- Display : Mobile pc display

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Need of the proposed system

1 To keep the course management system record accurate for long years.
2 All important data is maintained.
3 Data accuracy.
4 Fast and reliable information distribution.
5 The automated system is time savings and better performance than the manual based system.
6 Home comfort.
7 Cost savings.
8 Schedule flexibility.

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Objective of the proposed system

- To reduce the paper work.
- To save record permanently.
- To easily find records.
- To make system cost effective.
- To make system time effective.
- To retrieve information to minimum time.
- To make error free system.
- To make suitable system for resources sharing and networking.

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Fact Finding Techniques

Introduction:-

Right from encountering the problem till the analysis, design & implementation of system, information about various aspects & expectations from the system is collected. Analyst used for collecting data about requirements is called.

Fact Finding There are four techniques are used for this purpose:

1. Interview

2. Questionnaire

3. Record Review

4. Observation

1) Interview-:

Interviews are used to collect information from individual or from groups. Interviews are not the best source for collecting the information because the time required from respondents. The interview the best method for producing the qualitative information like opinion policies & subjective description of activities & problems.

2) Questionnaire -:

Questionnaire is used to collect information about various aspects of system from a large number of person .The use of standardized question format can produce more reliable data other fact finding technique. However this method does not allow analyst to observer the expressions or reactions of respondents.

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3) Record views -:

Many kinds of records & reports can provide valuable information about organization & operation. In record views analyst examines information that has been recorded about the system & about the user. Records include writer policy manual, regulations & standard operating producers used by most organization is guide for manages & employee. Records do not show what activities are actually occurring, who takes the decision, how the task is performed etc.

4) Observation -:

Observation allows the analyst to get information which they .Cannot obtained any other fact finding technique. Through the observation analyst can obtain the first hand information about how activities are carried out. This method is very useful when the analyst need to be actually observe how documents are handled , how processes are carried out & whether Specified steps are actually followed or not.

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Feasibility Study

Introduction:-

Feasibility study is very important for any proposed model. It gives us direction to implement the project system.

These are as follows:

1. Technical Feasibility Study

2. Economic Feasibility Study

3. Operational Feasibility Study

4. Behavioral feasibility study

1).Technical Feasibility Study:

Technical study is the of hardware and software requirements that is technical requirements of the new system to inform management about this requirement in order to know user and management views towards technical study.

2). Economic Feasibility Study:

Economical study is study of actual cost and benefits of the system. Actual cost of the system is calculated in economic study so as to inform the user and management that this much cost is required to develop the system.

3). Operational Feasibility Study:

The system is user friendly and easy to use. Only a few instructions may require to be given to the user who then can easily operate the system. Anyone can operate with some knowledge about computer will handle the system easily. It saves money or training.

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4). Behavioral feasibility study:

As computer does the job of many people less number of peoples required, replacing the existing system with the computerized system will not affect the job employment of the existing system

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SYSTEM ANALYSIS

Data Objects: - A data object of almost any composite information that can be understood by software. Composite information means something that has a different number of different properties or attributes.

A data object can be external entity defines in terms of set of attributes. The data object description incorporates the data object and all its attributes. Data objects are related to one another and encapsulate data only; there is no reference to operation that act on the data

E-R Diagrams: - E-R diagrams can express the overall logical structure of a database graphically. The E-R model is one of the several semantic data model. The semantic aspect of data model lies in attempt to mapping the meaning and interaction of real world enterprises into conceptual scheme.

Data Flow Diagrams: - A DFD is a graphical technique that depicts information flow and transforms the data that moves from input to output. The DFD is also known as Data Flow Graf or Bubble Char

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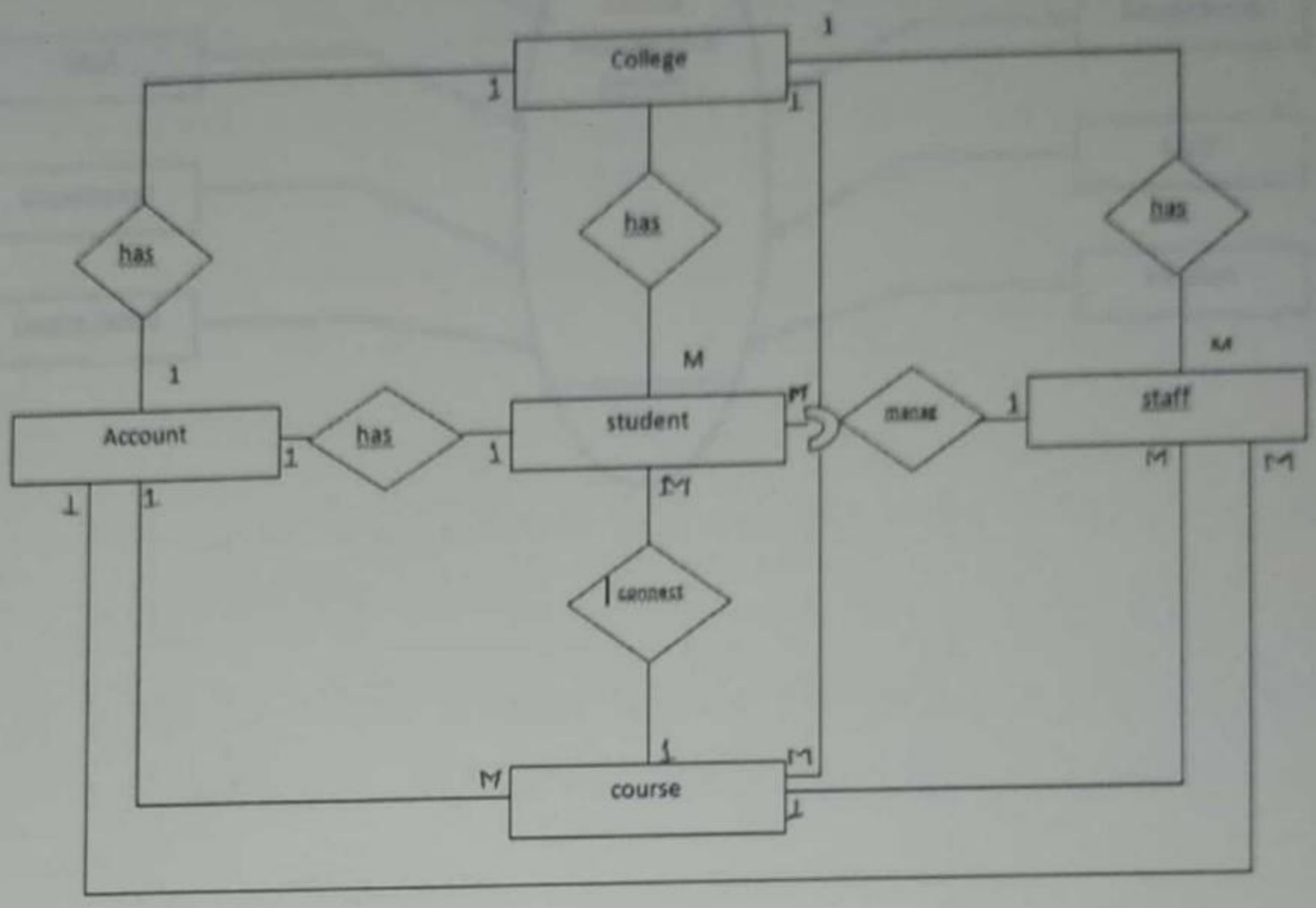
ERD DIAGRAM



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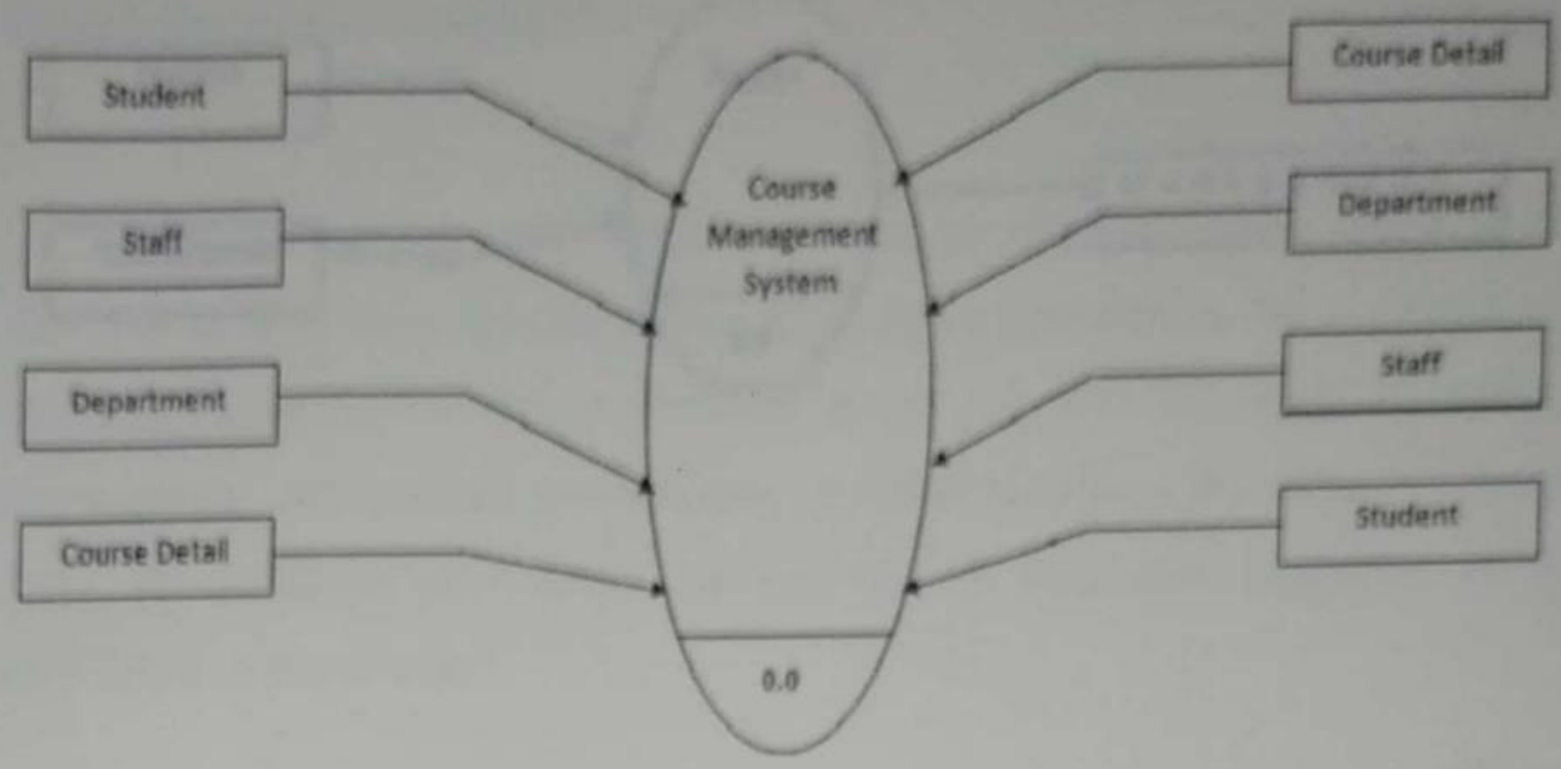
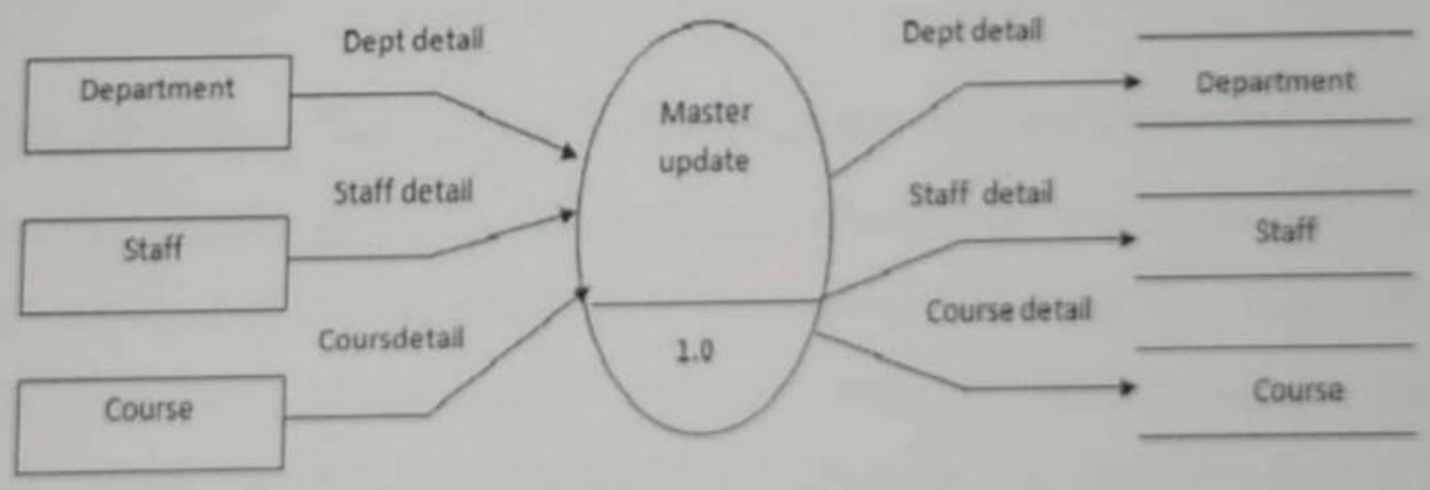
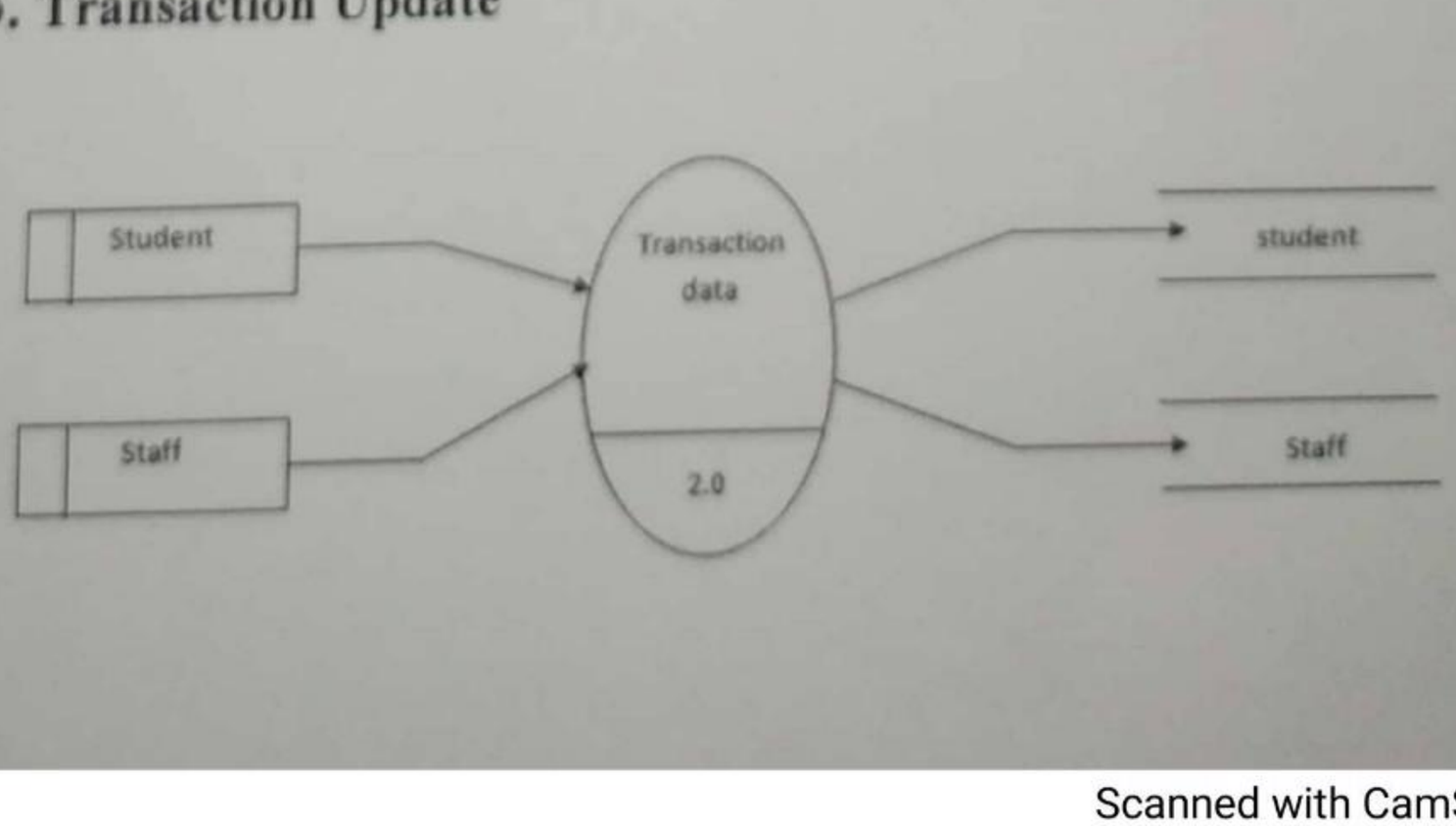
1.Context level



2.Master Update



3. Transaction Update



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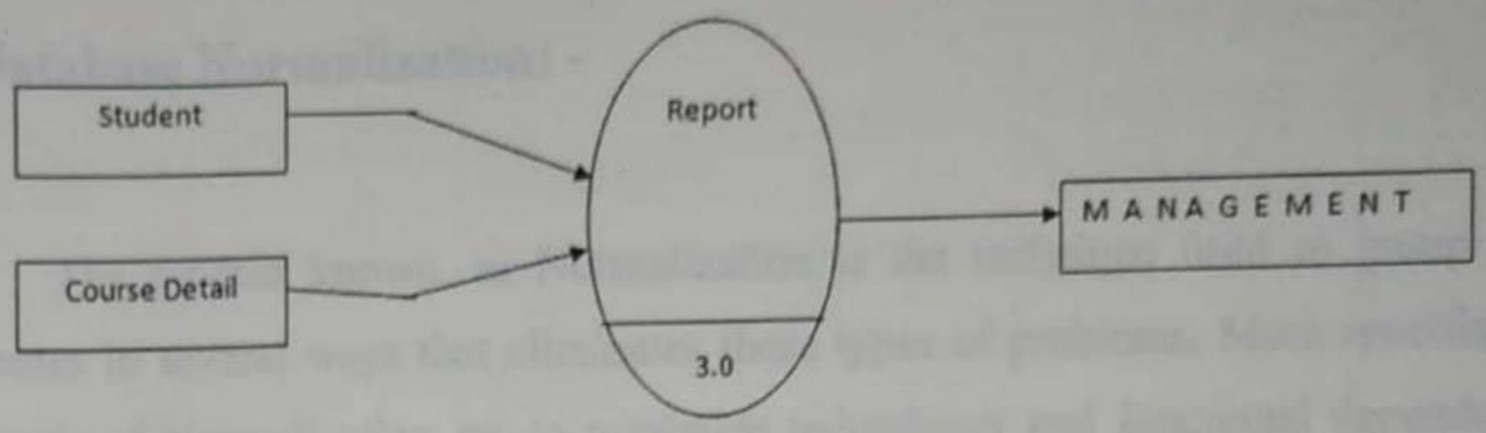
4.Report



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SYSTEM DESIGN

Database Normalization: -

The process known, as Normalization is the technique used to group that attributes in several ways that eliminates these types of problems. More specifically the goals of Normalization are to minimize redundancy and functional dependency occurs when the value of one attribute can be determined from the value of another attribute. By definition all non-key attribute will be functional dependent on the primary key in every relation.

If we denormalise the tables we will face the problem of data redundancy which will result in data inconsistency.

So to overcome these problems Normalization process is must for future convenience. Thus we have tried our level best to normalize the data to overcome these problems.

Table Design: -This module is consisting the different tables that are being utilized by the system. All the tables are normalized up to third normal form. Their requirements of all the users sure taken into consider deciding the actual data that needs to be stored in the system. While designing the database records for the system proper care has been taken for not allowing the duplicate records and unnecessary redundancy of data.

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1| Table Name:- Student

FIELDS	*TYPE*	*SIZE*	*Constraints*
S _Id	NUMBER	5	Primary Key
S _NAME	TEXT	20	-
S_DEPARTMENT	TEXT	20	
S_GENDER	TEXT	20	-
S_CLASS	TEXT	20	-
S_EMAILID	TEXT	20	-
S_DURATION	TEXT	20	-

2] Table Name:- staff

FIELDS	**TYPE**	**SIZE**	**Constraints**
S_ID	NUMBER	10	Primary Key
S_DESIGNATION	Text	20	-
S_NAME	TEXT	20	-
S_CLASS	TEXT	20	-
S_DEPARTMENT	TEXT	20	-

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3] Table Name: Department form

FIELD	TYPE	SIZE	Constraints
DEPT ID	NUMBER	10	Primary Key
DEPT NAME	TEXT	20	-
CLASS	TEXT	20	-
DURATION	TEXT	20	-

4] Table Name: Course Details form

FIELD	TYPE	SIZE	Constraints
COURSE ID	NUMBER	10	Primary Key
CLASS	TEXT	20	-
SUBJECT	TEXT	20	-
DURATION	TEXT	20	-

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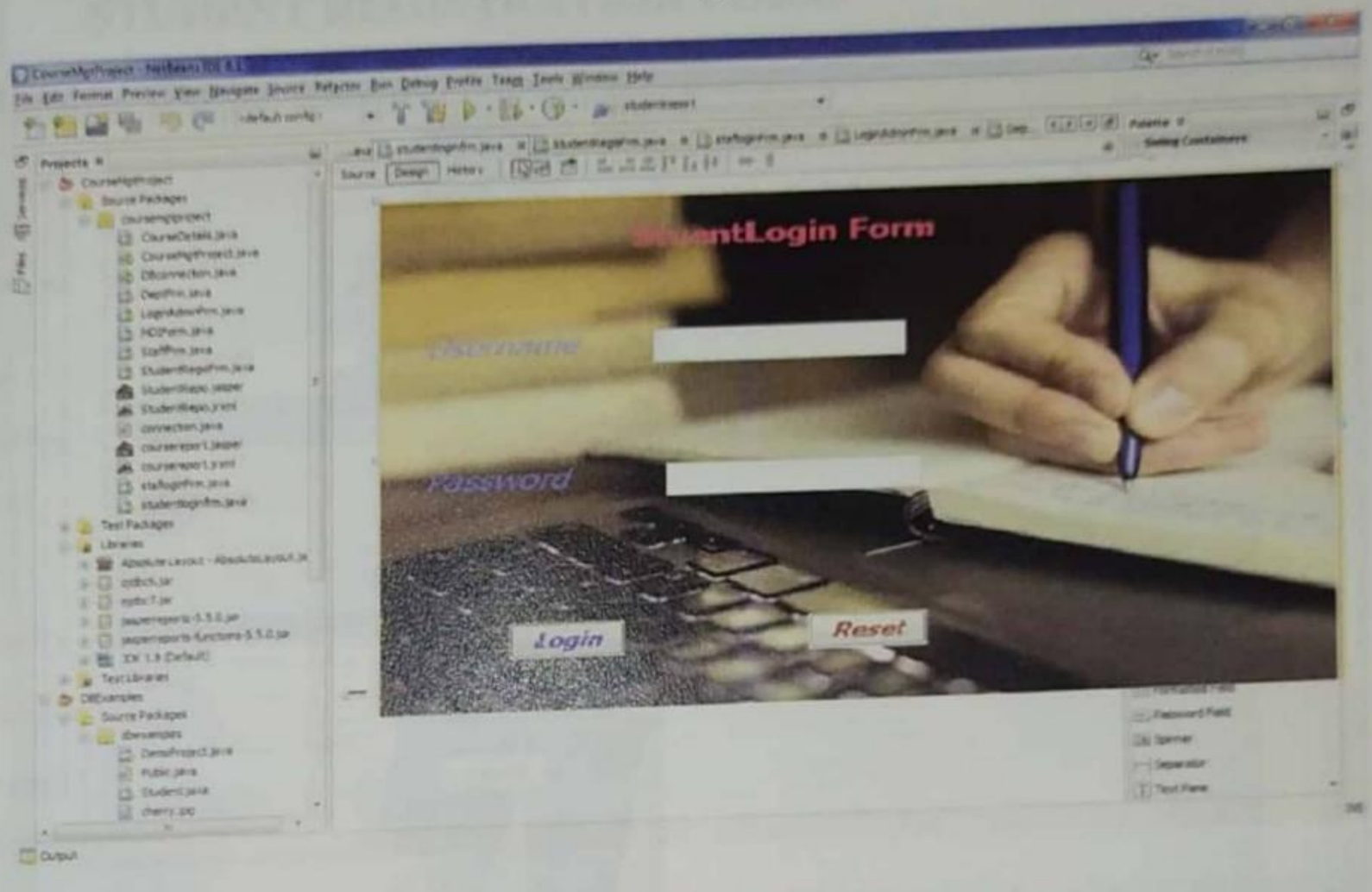
INPUT/OUTPUT SCREENS

Student Login Form



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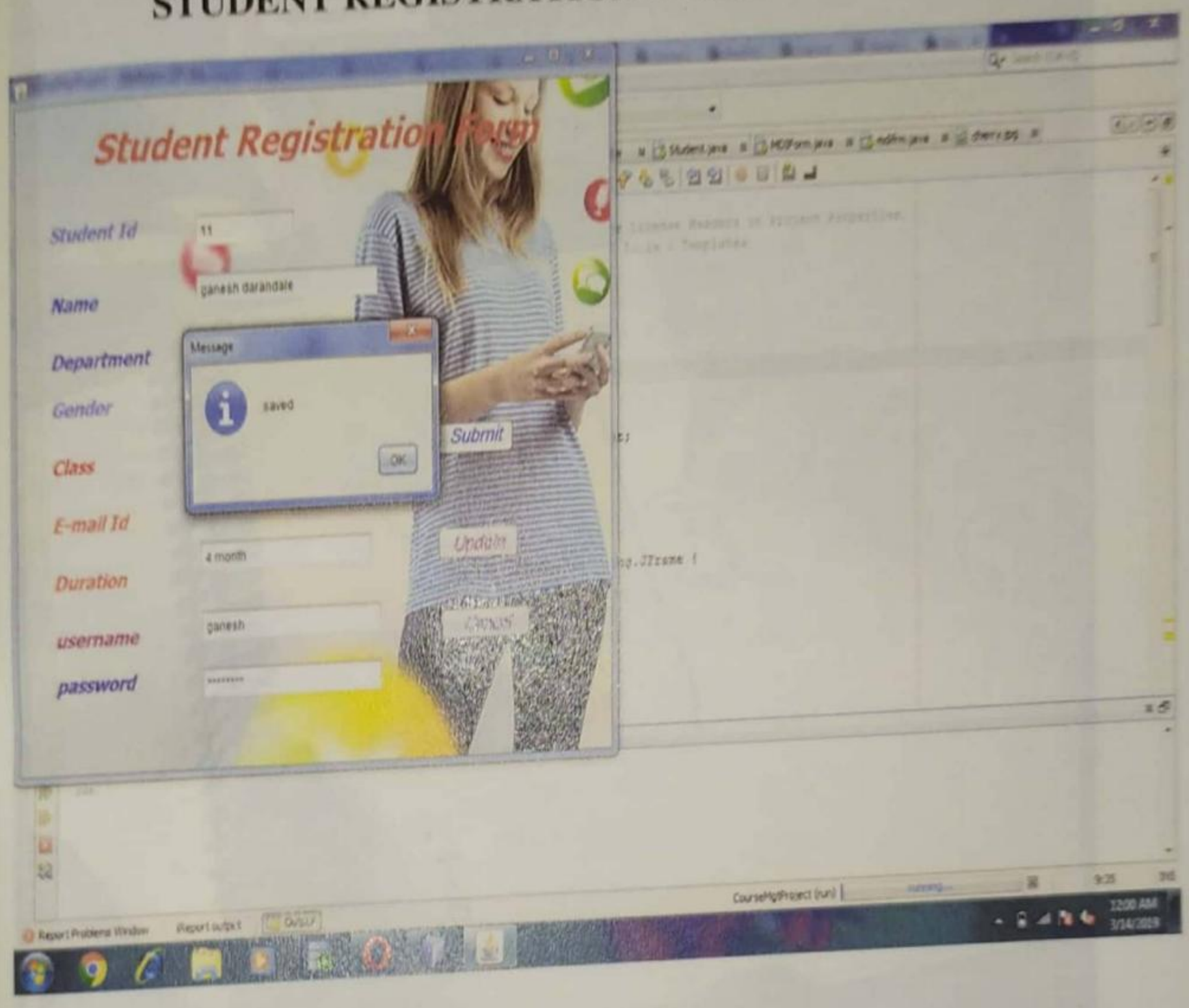
STUDENT REGISTRATION FORM



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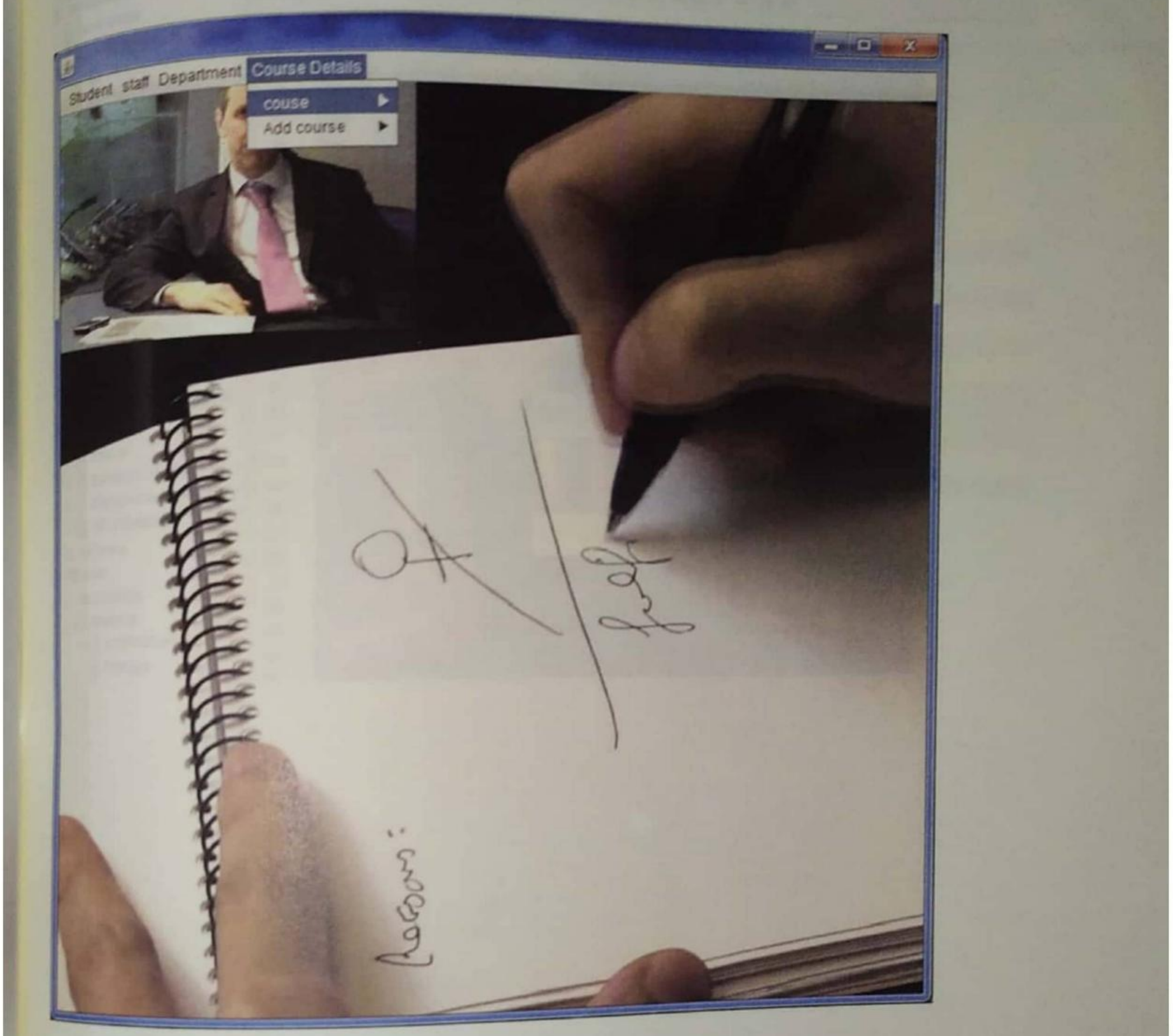
MDI FORM



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Department form

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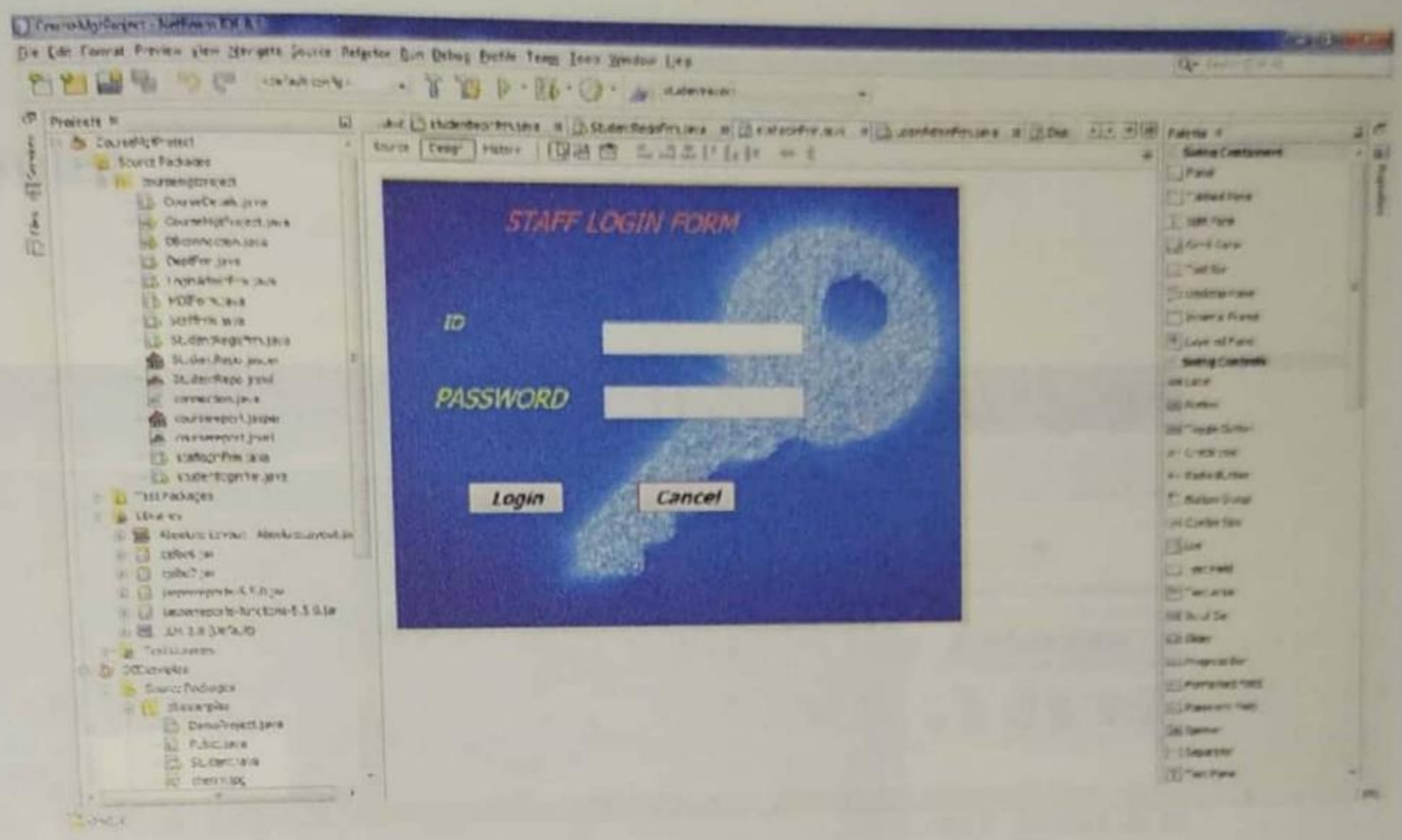
STAFF LOGIN FORM



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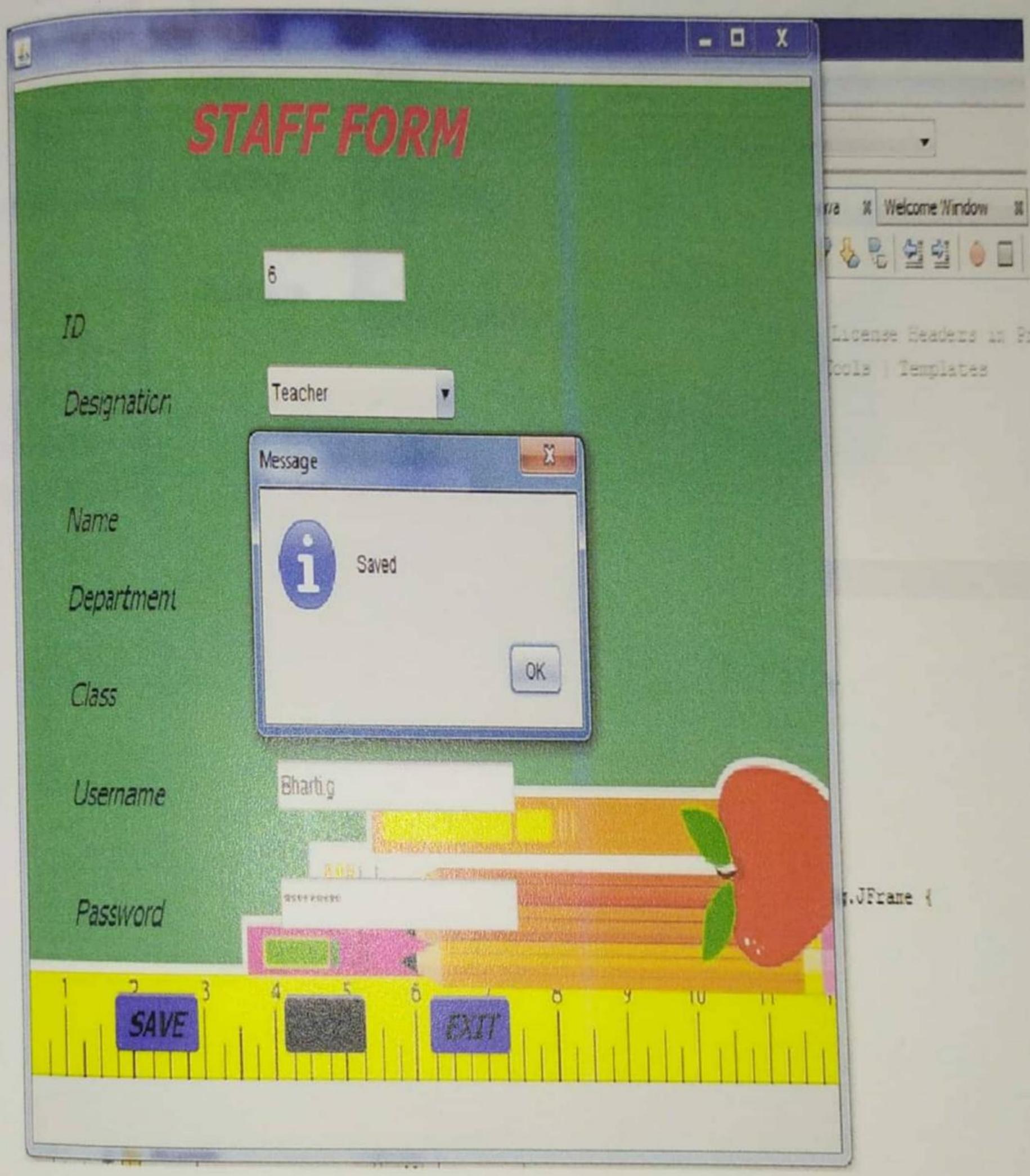
STAFF FORM



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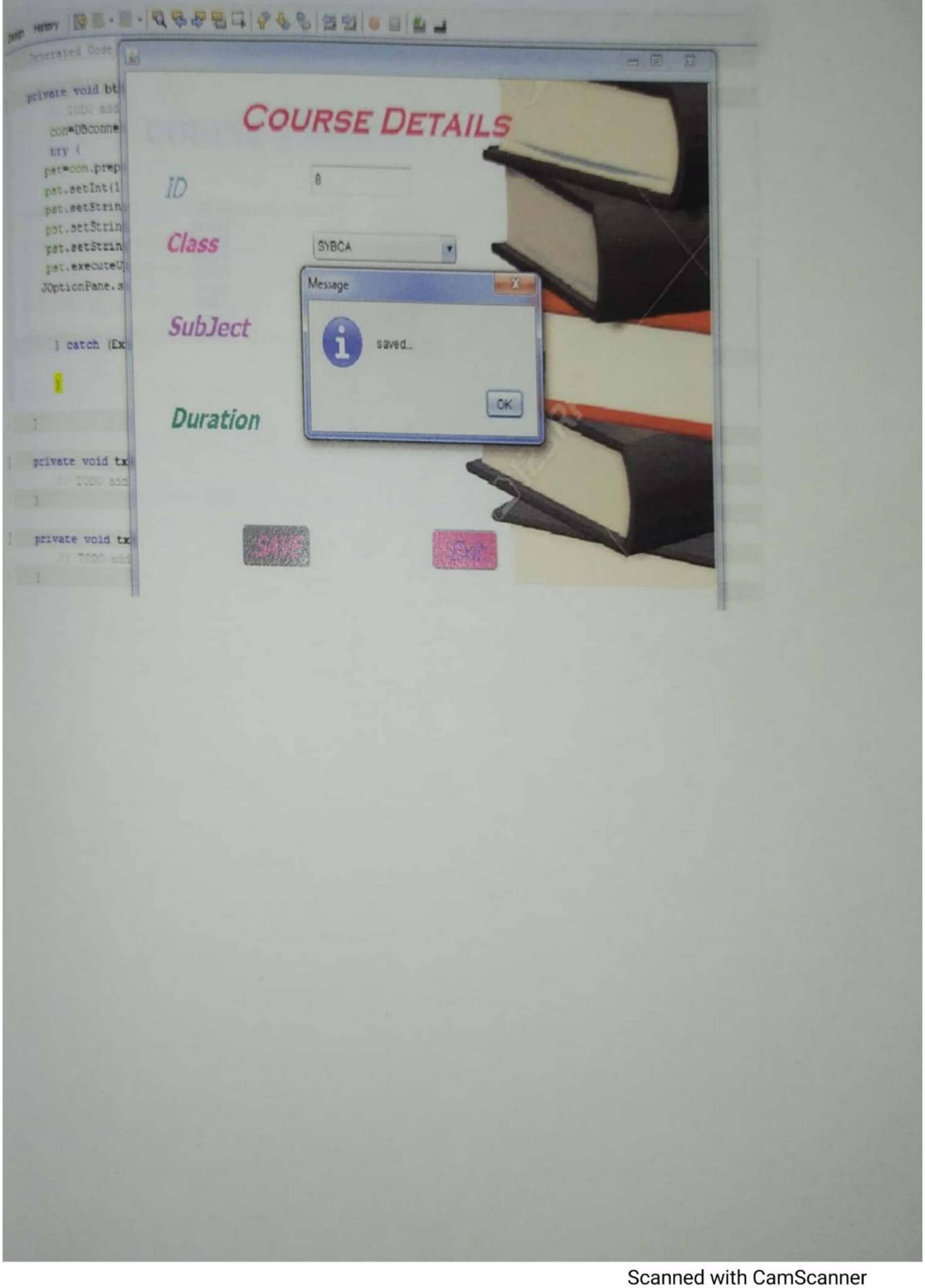
COURSE DETAILS



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REPORT-COURSE DETAILS

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course Details

COURSEDETAILS1_CID	COURSEDETAILS1_CCLASS	COURSEDETAILS1_CSUBJECT	COURSEDETAILS1_CDURATION
1	SYBCA	web techology	6month
2	FYBCA	recent trends in It	4month
3	SYBCA	web technology	3month
4	SYBCA	java	6month
5	TYBCA	advanced java	4month
6	FYBCA	core java	35month
7	FYBCA	DBMS	3 month
8	SYBCA	MS office	3 month

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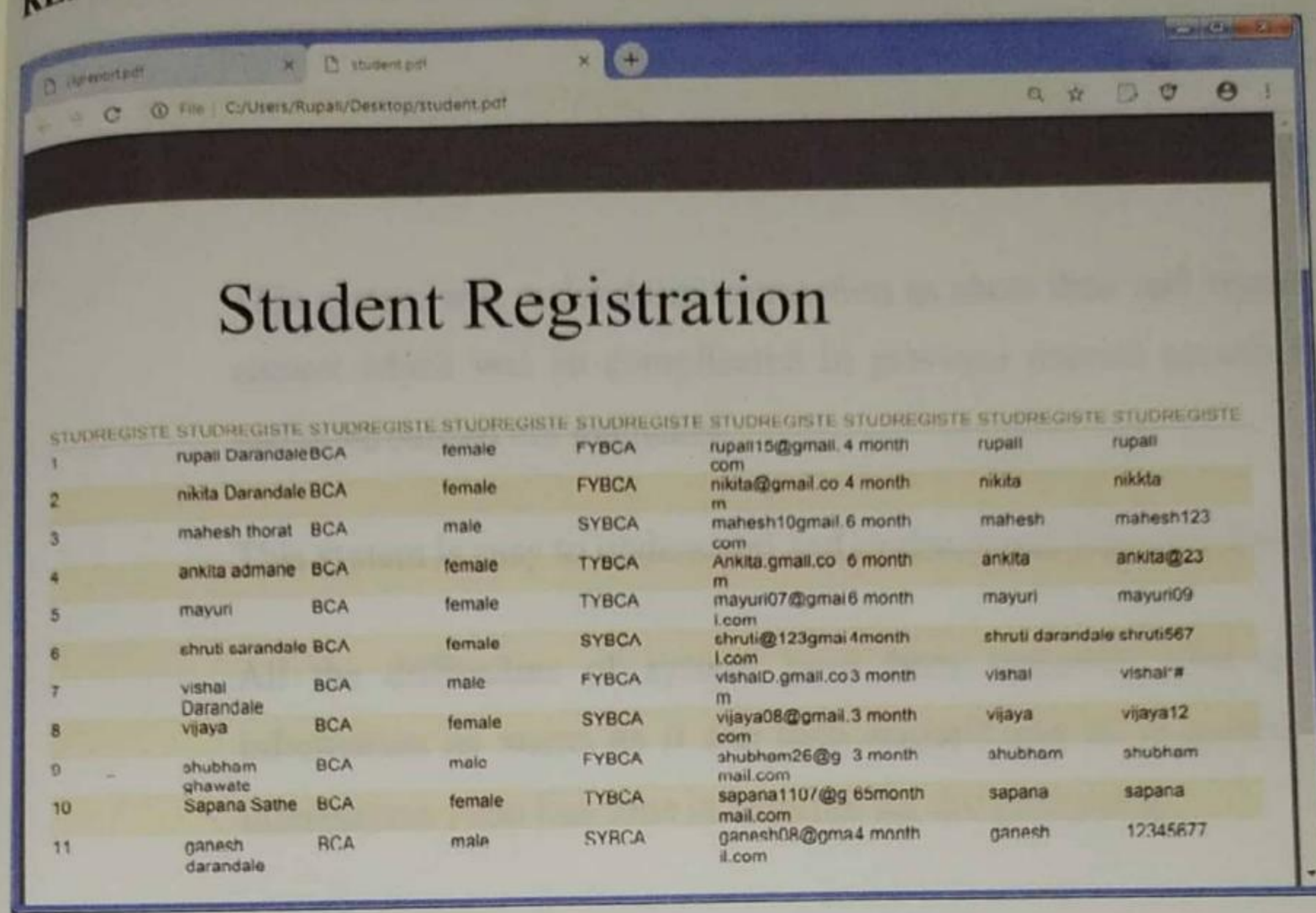
REPORT – STUDENT REGISTRATION



STUDREGISTE	STUDREGISTE	STUDREGISTE	STUDREGISTE	STUDREGISTE	STUDREGISTE	STUDREGISTE	STUDREGISTE	STUDREGISTE
1	rupali Darandale	BCA	female	FYBCA	rupali15@gmail.com	4 month	rupali	rupali
2	nikita Darandale	BCA	female	FYBCA	nikita@gmail.com	4 month	nikita	nikkta
3	mahesh thorat	BCA	male	SYBCA	mahesh10gmail.com	6 month	mahesh	mahesh123
4	ankita admane	BCA	female	TYBCA	Ankita.gmail.com	6 month	ankita	ankita@23
5	mayuri	BCA	female	TYBCA	mayuri07@gmail.com	6 month	mayuri	mayuri09
6	shruti sarandale	BCA	female	SYBCA	shruti@123gmail.com	4month	shruti darandale	shruti567
7	vishal Darandale	BCA	male	FYBCA	vishalD.gmail.com	3 month	vishal	vishal*#
8	vijaya	BCA	female	SYBCA	vijaya08@gmail.com	3 month	vijaya	vijaya12
9	shubham ghawate	BCA	male	FYBCA	shubham26@gmail.com	3 month	shubham	shubham
10	Sapana Sathe	BCA	female	TYBCA	sapana1107@gmail.com	65month	sapana	sapana
11	ganesh darandale	BCA	male	SYBCA	ganesh08@gmail.com	4 month	ganesh	12345677

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"CONCLUSION"

This system will make daily transaction in short time and report generate easily & correct which was so complicated in previous manual system because everything had to be carried out manually.

This system is easy to understand and operates and also user friendly.

All the difficulties of system have been removed. The user can get all the information he wants as it can help himself and he is guided throw with all the information. Also less time is required for the processing.

Future Enhancement

Course management system has some future enhancements such as:

- More data accuracy
- Report generation make easier

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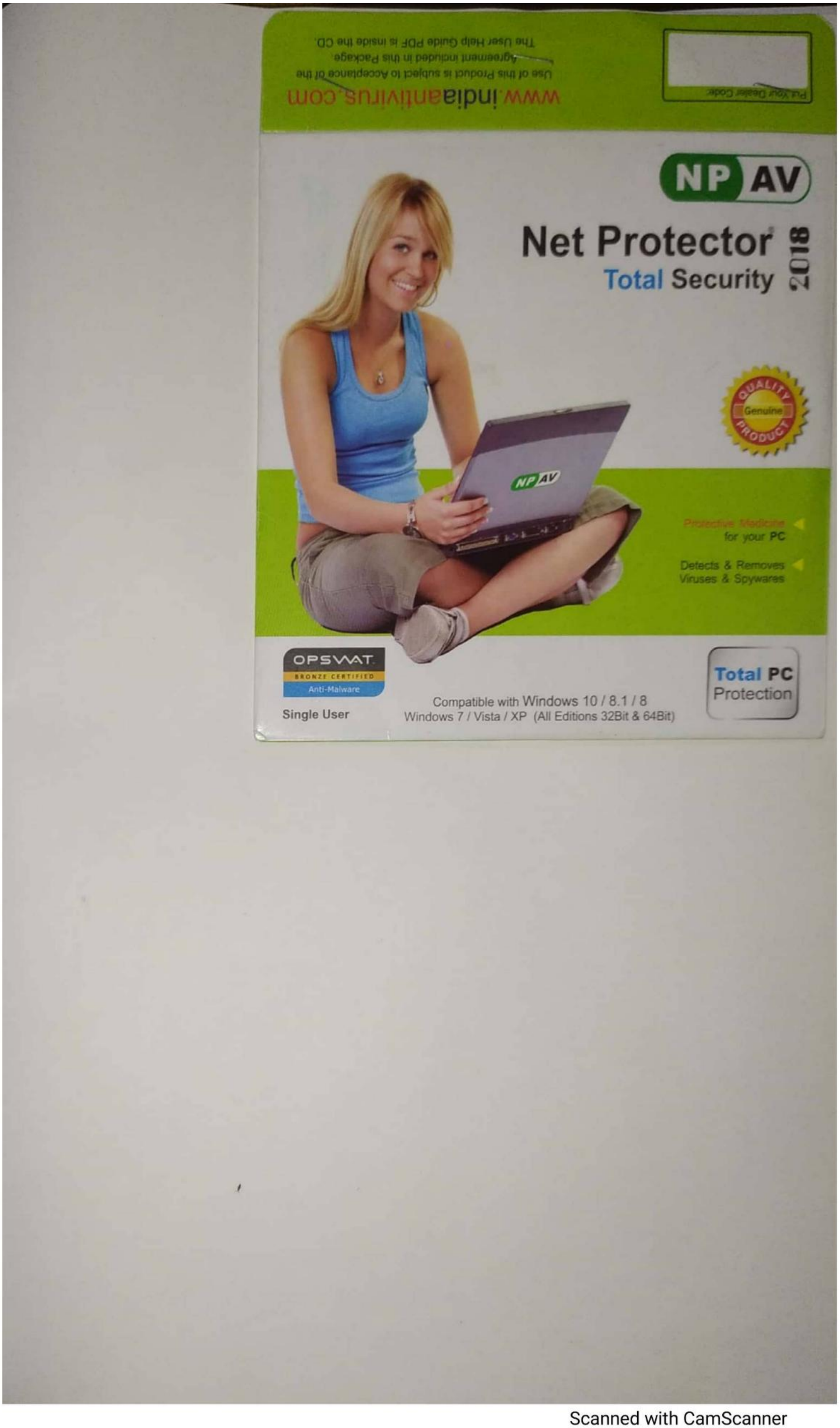

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