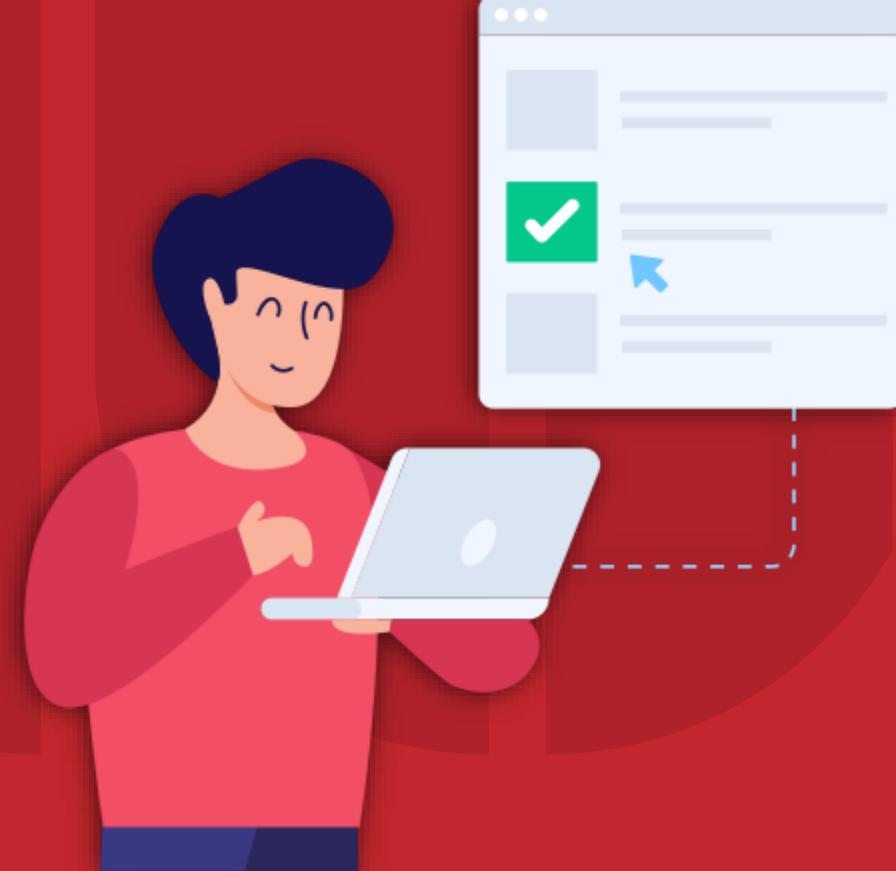




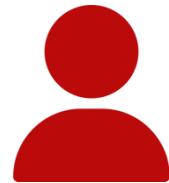
Information
Technology
Institute

ITI Examination System

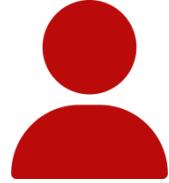
Zagazig Branch



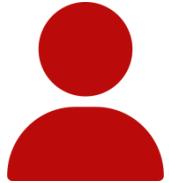
Meet Our Team



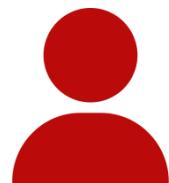
Nader Hisham



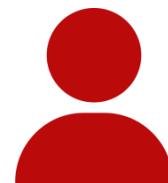
Yomna Magdy



Abdelrahman Elsayed

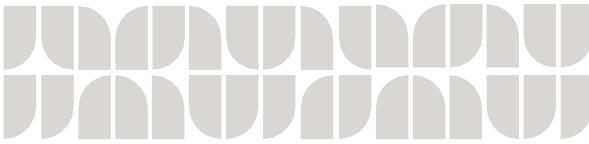


Ahmed Reda



Bassem Abdelnasser

Overview



❖ About System:

- An automated online exam system for Information Technology Institute.
- Efficient and scalable solution for managing online exams.

❖ Key Objectives:

- **Design and implement** a relational SQL database for exam management.
- **Store and manage** student records, exam details, and courses.
- **Develop stored procedures** for inserting, updating, and deleting data.
- **Automate exam creation and evaluation** for efficiency and accuracy.
- **Generate reports** on student performance and exam results.
- **Create Power BI dashboards** to visualize key metrics.



Software Tools



draw.io

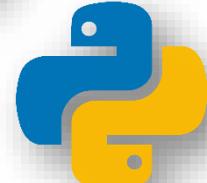
Database Modeling(ERD & Mapping)



ChatGPT



Excel



Python



Power BI

Data Analysis & Visualization



SQL Server



SSMS

Database Management



SSIS

Data Integration



SSRS

Reporting

Data Generation

Project Workflow

Business & System Analysis

ERD

Mapping

Data Generation

Database Design

Data Integration

Stored Procedures

Reporting

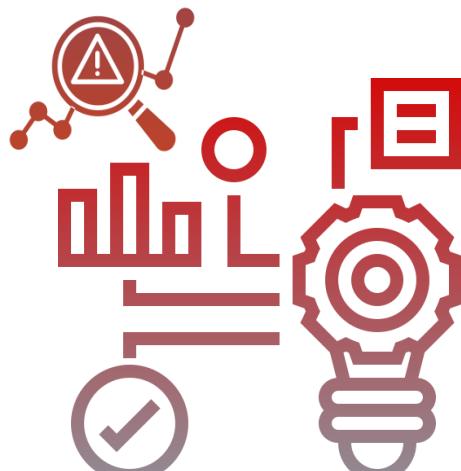
Data Modeling

Analysis & Visualization



Business & System Analysis

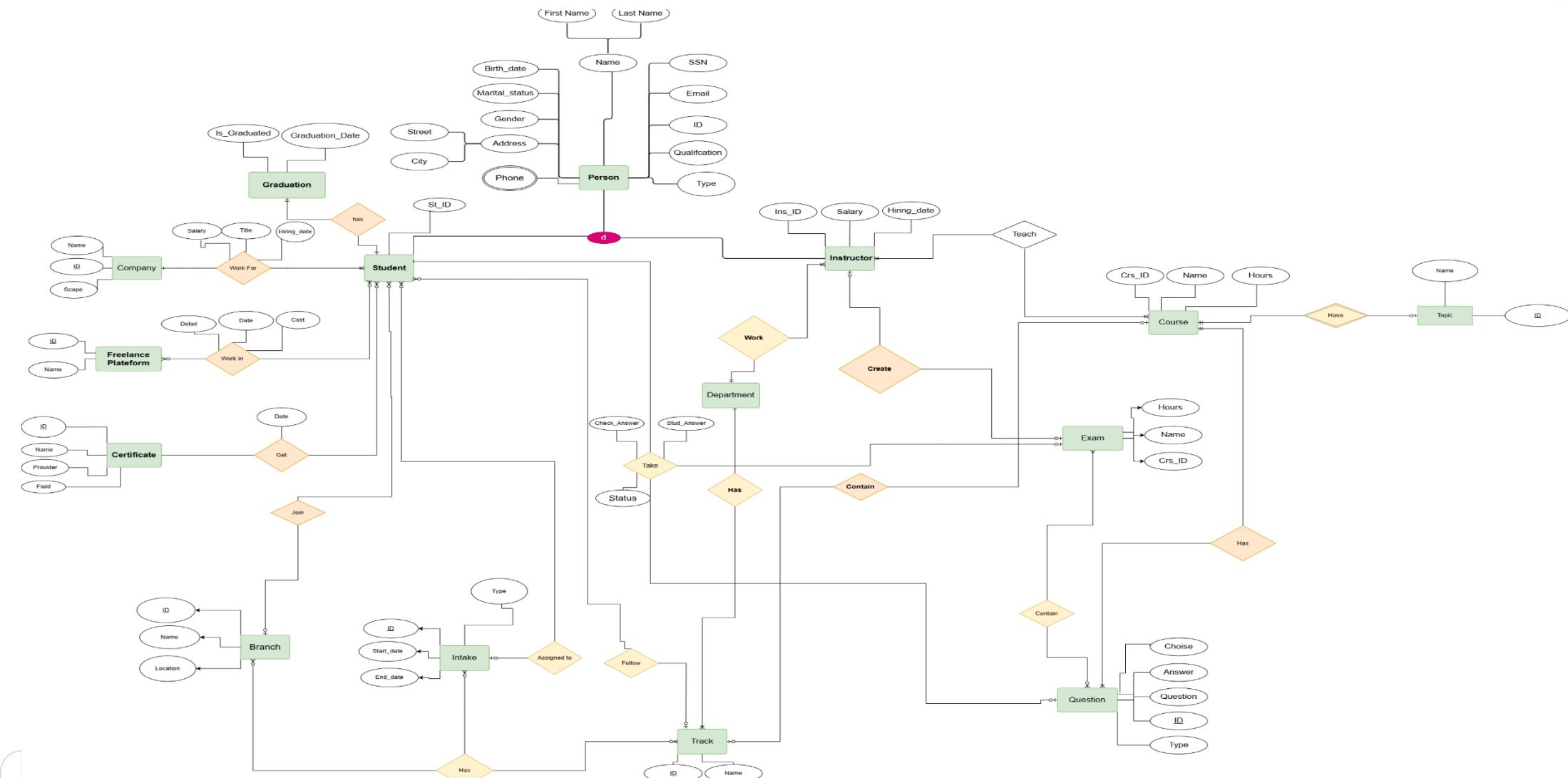
- A deep understanding of the business and system requirements was developed, leading to the design of the ITI Examination System and an efficient **ERD** model to optimize operations.



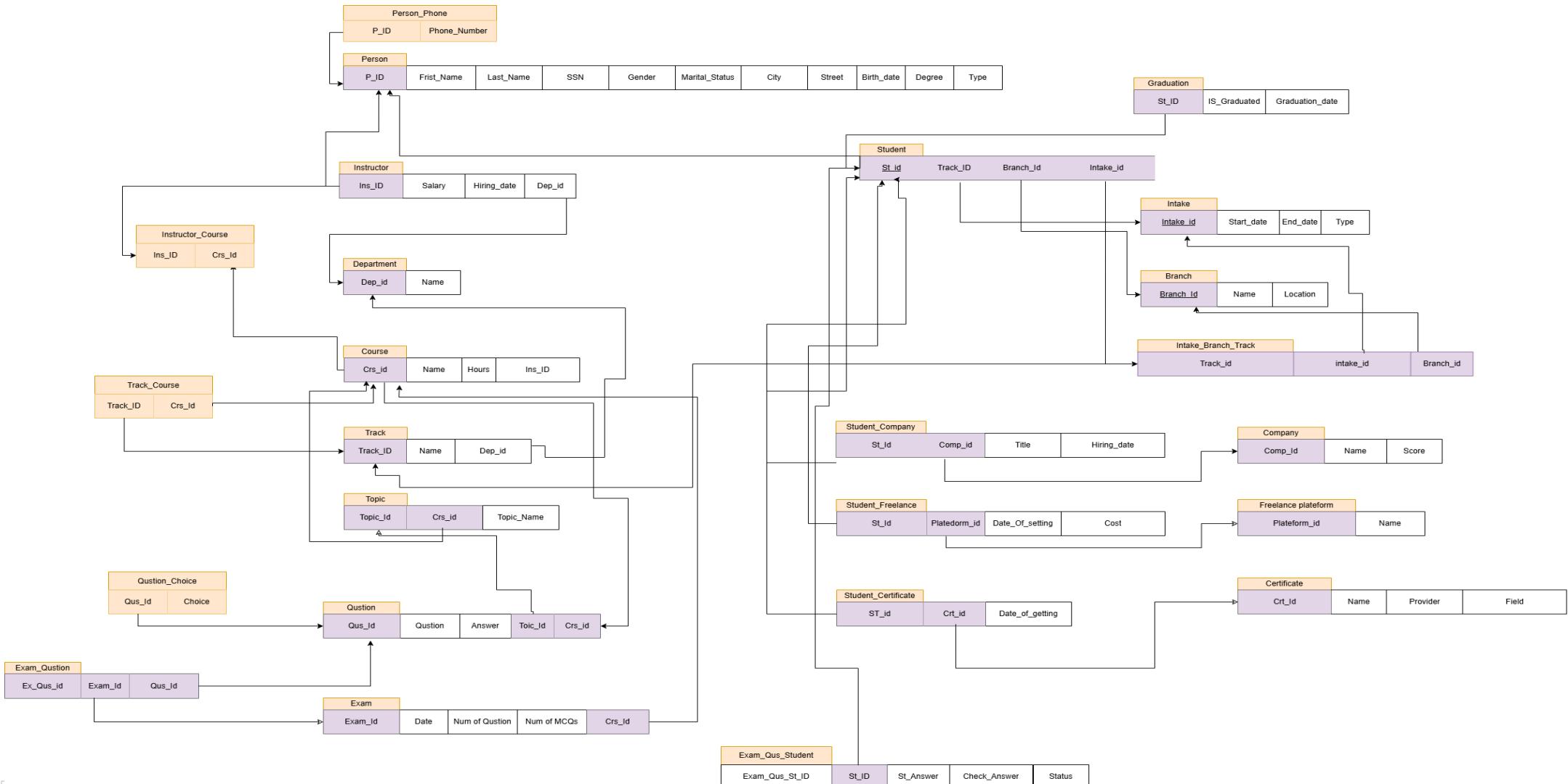
ERD (Entity Relationship Diagram)



draw.io

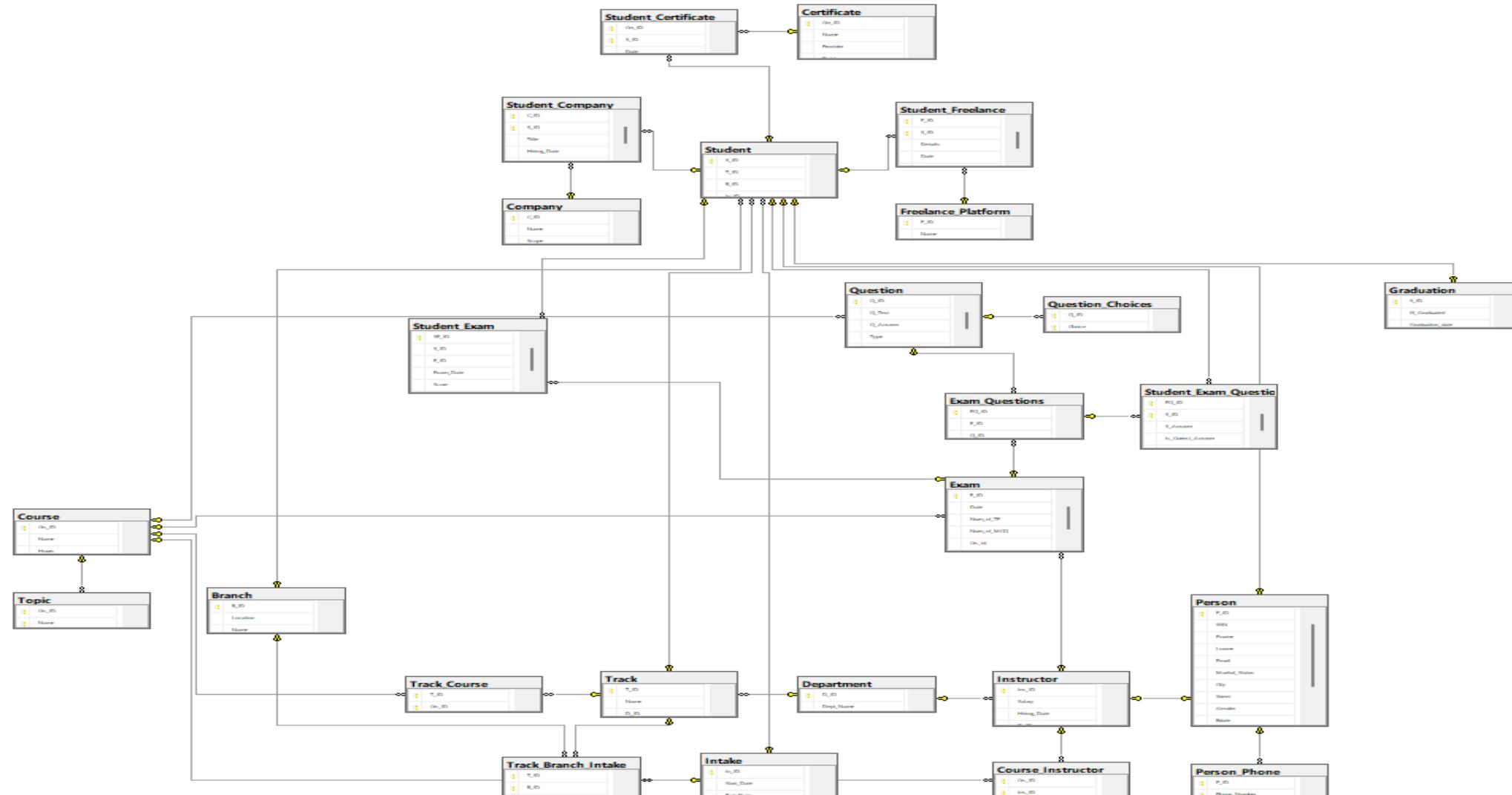


Mapping



draw.io

Database Design



Data Generation

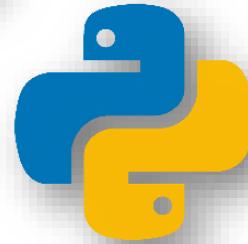
- Creating sample of dummy data for testing and validation.
- Using **ChatGPT** and **Excel** to generate student records, courses, and exams to ensure accurate system functionality.



ChatGPT



Excel



Python

Data Generation

Data Integration



SSIS

Data Integration

Data Integration

```
-- Insert Instructors (Person IDs 1-100)
WHILE @counter <= 100
BEGIN
    INSERT INTO @PersonData (P_ID, SSN, Fname, Lname, Email, Marital_Status, City, Street, Gender, Bdate, Degree, Type)
    SELECT
        @counter,
        28000000000000 + @counter * 12345,
        f.Name,
        l.Name,
        LOWER(f.Name) + '.' + LOWER(l.Name) + CAST(@counter AS VARCHAR) + '@iti.gov.eg',
        CASE (@counter % 3) WHEN 0 THEN N'Married' WHEN 1 THEN N'Single' ELSE N'Divorced' END,
        c.Name,
        s.Name,
        CASE (@counter % 2) WHEN 0 THEN N'Male' ELSE N'Female' END,
        DATEADD(YEAR, -(@counter % 20 + 25), '2000-01-01'),
        CASE (@counter % 3) WHEN 0 THEN N'Master' WHEN 1 THEN N'PhD' ELSE N'Bachelor' END,
        'Instructor'
    FROM @FirstNames f, @LastNames l, @Cities c, @Streets s
    WHERE f.ID = (@counter % 40 + 1)
        AND l.ID = (@counter % 30 + 1)
        AND c.ID = (@counter % 10 + 1)
        AND s.ID = (@counter % 10 + 1);

    SET @counter = @counter + 1;
END;

-- Insert Students (Person IDs 101-450)
WHILE @counter <= 450
BEGIN
    INSERT INTO @PersonData (P_ID, SSN, Fname, Lname, Email, Marital_Status, City, Street, Gender, Bdate, Degree, Type)
    SELECT
        @counter,
        29000000000000 + @counter * 11111,
        f.Name,
        l.Name,
        LOWER(f.Name) + '.' + LOWER(l.Name) + CAST(@counter AS VARCHAR) + '@student.iti.gov.eg',
        CASE (@counter % 3) WHEN 0 THEN N'Single' WHEN 1 THEN N'Married' ELSE N'Single' END,
        c.Name,
        s.Name,
        CASE (@counter % 2) WHEN 0 THEN N'Male' ELSE N'Female' END,
        DATEADD(YEAR, -(@counter % 15 + 18), '2005-01-01'),
        CASE (@counter % 2) WHEN 0 THEN N'Bachelor' ELSE N'Diploma' END,
        'Student'
    FROM @FirstNames f, @LastNames l, @Cities c, @Streets s
    WHERE f.ID = (@counter % 40 + 1)
        AND l.ID = (@counter % 30 + 1)
        AND c.ID = (@counter % 10 + 1)
        AND s.ID = (@counter % 10 + 1);

    SET @counter = @counter + 1;
END;
```



Stored Procedures



❖ Static CRUD Stored Procedures

❖ Exam Stored Procedures:

- Exam Generation
- Exam Answers
- Exam Correction

Static CRUD Stored Procedures



- ❑ Perform Create “Insert”, Read “Select”, Update, and Delete (CRUD) operations on a specific table with a predefined structure, using fixed queries.

SELECT

```
-- Get All Persons
CREATE PROCEDURE Get_All_Persons
AS
BEGIN
    SELECT P.ID, SSN, Fname, Lname, Email, Marital_Status, City, Street, Gender, Bdate, Degree, Type
    FROM dbo.Person;
END;
```

Static CRUD Stored Procedures



- Perform Create “Insert”, Read “Select”, Update, and Delete (CRUD) operations on a specific table with a predefined structure, using fixed queries.

Insert

```
-- Insert New Person
CREATE PROCEDURE Insert_New_Person
    @SSN BIGINT,
    @Fname NVARCHAR(255),
    @Lname NVARCHAR(255),
    @Email NVARCHAR(255),
    @Marital_Status NVARCHAR(255),
    @City NVARCHAR(255),
    @Street NVARCHAR(255) = NULL,
    @Gender NVARCHAR(255),
    @Bdate DATE,
    @Degree NVARCHAR(255),
    @Type VARCHAR(20)
AS
BEGIN
    INSERT INTO dbo.Person (SSN, Fname, Lname, Email, Marital_Status, City, Street, Gender, Bdate, Degree, Type)
    VALUES (@SSN, @Fname, @Lname, @Email, @Marital_Status, @City, @Street, @Gender, @Bdate, @Degree, @Type);
END;
```

Static CRUD Stored Procedures



- Perform Create “Insert”, Read “Select”, Update, and Delete (CRUD) operations on a specific table with a predefined structure, using fixed queries.

Update

```
CREATE OR ALTER PROCEDURE Update_Person
    @P_ID INT,
    @SSN BIGINT,
    @Fname NVARCHAR(255),
    @Lname NVARCHAR(255),
    @Email NVARCHAR(255),
    @Marital_Status NVARCHAR(255),
    @City NVARCHAR(255),
    @Street NVARCHAR(255),
    @Gender NVARCHAR(255),
    @Bdate DATE,
    @Degree NVARCHAR(255),
    @Type VARCHAR(20)
AS
BEGIN
    UPDATE Person
    SET SSN = @SSN,
        Fname = @Fname,
        Lname = @Lname,
        Email = @Email,
        Marital_Status = @Marital_Status,
        City = @City,
        Street = @Street,
        Gender = @Gender,
        Bdate = @Bdate,
        Degree = @Degree,
        Type = @Type
    WHERE P_ID = @P_ID
END
GO
```

Static CRUD Stored Procedures



- Perform Create “Insert”, Read “Select”, Update, and Delete (CRUD) operations on a specific table with a predefined structure, using fixed queries.

Delete

```
- CREATE OR ALTER PROCEDURE Delete_Person
  @P_ID INT
AS
BEGIN
  DELETE FROM Person
  WHERE P_ID = @P_ID
END
GO
```

Reporting (SSRS)

- SSRS reports retrieve data using **SQL Stored Procedures**, ensuring optimized queries, parameterized filtering, and efficient report generation.

- ❖ Students Information By Department
- ❖ Student Grades For All Courses
- ❖ Instructor's Courses
- ❖ Course Topics
- ❖ Exam Questions
- ❖ Students' Questions & Answers



Student Information By Department Report

The screenshot shows a Microsoft Access report window. At the top, there's a toolbar with various icons for file operations like back, forward, search, and print. The status bar indicates 'Find | Next' and '100%'. Below the toolbar, the title 'Information Technology Institutue' is displayed in red. To the right of the title is the ITI logo. The main content area is titled 'Students By Department' in bold black text. Below this, there's a table with four columns: 'Dept Name', 'Student ID', 'Track ID', and 'Branch ID'. The data in the table consists of seven rows, all of which have 'Artificial Intelligence' listed under 'Dept Name'. The 'Student ID' column contains values 106, 121, 136, 151, 166, 181, and 196. The 'Track ID' column contains values 2, 2, 2, 2, 2, 2, and 2. The 'Branch ID' column contains values 7, 2, 7, 2, 7, 2, and 7.

Dept Name	Student ID	Track ID	Branch ID
Artificial Intelligence	106	2	7
Artificial Intelligence	121	2	2
Artificial Intelligence	136	2	7
Artificial Intelligence	151	2	2
Artificial Intelligence	166	2	7
Artificial Intelligence	181	2	2
Artificial Intelligence	196	2	7

-----GetStudentsByDepartment-----

```
CREATE PROCEDURE dbo.GetStudentsByDepartment
```

```
@In_ID INT
```

```
AS
```

```
BEGIN
```

```
SELECT S_ID, T_ID, B_ID, In_ID
```

```
FROM Student
```

```
WHERE In_ID = @In_ID;
```

```
END;
```

Student Grades Report

SID 102

View Report

Find | Next

100%

ITI Information Technology Institute

Grades By Student

SID	EID	Date	Score	Status
102	2	1/7/2023 12:00:00 AM	6.9	Completed
102	102	11/3/2023 12:00:00 AM	8.5	Completed
102	1	1/4/2023 12:00:00 AM	3	In Progress
102	1	1/4/2023 12:00:00 AM	5	In Progress

-----GetStudentGrades-----

```
CREATE PROCEDURE dbo.GetStudentGrades
    @S_ID INT
AS
BEGIN
    SELECT
        SE.S_ID,
        SE.E_ID,
        E.Date,
        SE.Score,
        SE.Status
    FROM Student_Exam SE
    JOIN Exam E ON SE.E_ID = E.E_ID
    WHERE SE.S_ID = @S_ID;
END;
```

Instructor's info Report



The screenshot shows a Microsoft Access report window. At the top left is a search bar with 'Ins ID 100'. To its right is a 'View Report' button. Below the search bar is a toolbar with various icons and a zoom level of '100%'. On the right side of the toolbar are 'Find' and 'Next' buttons. In the center of the report area is the title 'Instructor Info'. Below the title is a table with the following data:

Ins ID	Full Name	Salary	Hiring Date	D ID	Degree
100	Amr Salem	12000	12/2/2019 12:00:00 AM	1	Bachelor

---ins_info-----

```
CREATE PROCEDURE dbo.ins_info
    @Ins_ID INT
AS
BEGIN
    SELECT *
    FROM Instructor
    WHERE Ins_ID = @Ins_ID;
END;
```

Course Topics Report



Design Preview

Crs ID: 5

View Report

Find | Next

100%

Course Topics Report

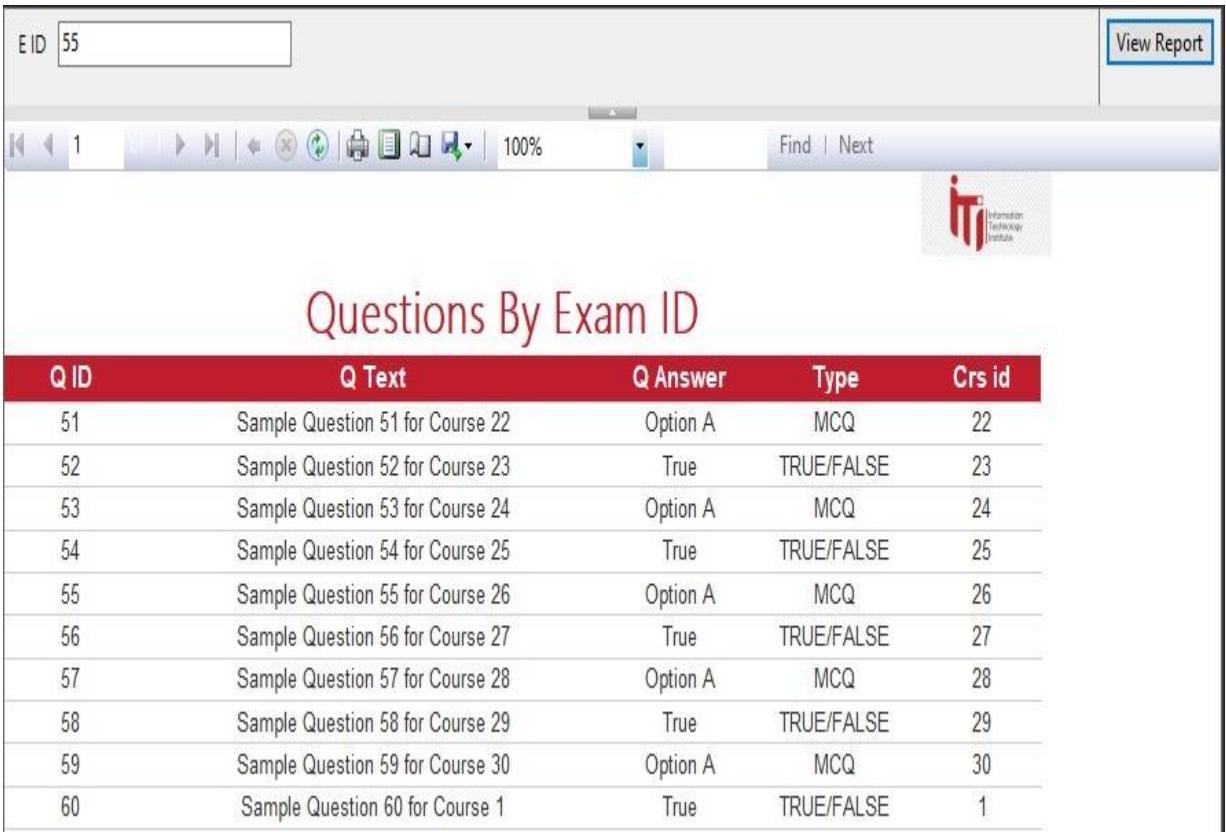
HTWK

Course ID	Name
5	Encryption
5	Firewall Configuration
5	Intrusion Detection
5	Penetration Testing

-----crs_topics-----

```
CREATE PROCEDURE dbo.crs_topics
    @Crs_ID INT
AS
BEGIN
    SELECT *
    FROM Course_Topics
    WHERE Crs_ID = @Crs_ID;
END;
```

Exam Questions Report



The screenshot shows a Microsoft Access report window. At the top, there is a search bar with 'E ID' and the value '55', a 'View Report' button, and a toolbar with various icons. Below the toolbar is a navigation bar with buttons for back, forward, first, last, and search. The main area is titled 'Questions By Exam ID'. A logo for 'Information Technology Institute' is visible. The report displays a table with the following data:

Q ID	Q Text	Q Answer	Type	Crs id
51	Sample Question 51 for Course 22	Option A	MCQ	22
52	Sample Question 52 for Course 23	True	TRUE/FALSE	23
53	Sample Question 53 for Course 24	Option A	MCQ	24
54	Sample Question 54 for Course 25	True	TRUE/FALSE	25
55	Sample Question 55 for Course 26	Option A	MCQ	26
56	Sample Question 56 for Course 27	True	TRUE/FALSE	27
57	Sample Question 57 for Course 28	Option A	MCQ	28
58	Sample Question 58 for Course 29	True	TRUE/FALSE	29
59	Sample Question 59 for Course 30	Option A	MCQ	30
60	Sample Question 60 for Course 1	True	TRUE/FALSE	1

-----GetExamQuestions-----

```
CREATE PROCEDURE dbo.GetExamQuestions
    @E_ID INT
AS
BEGIN
    SELECT Q.*
    FROM Exam_Questions EQ
    JOIN Question Q ON EQ.Q_ID = Q.Q_ID
    WHERE EQ.E_ID = @E_ID;
END;
```

Students' Questions & Answers Report



Show Question

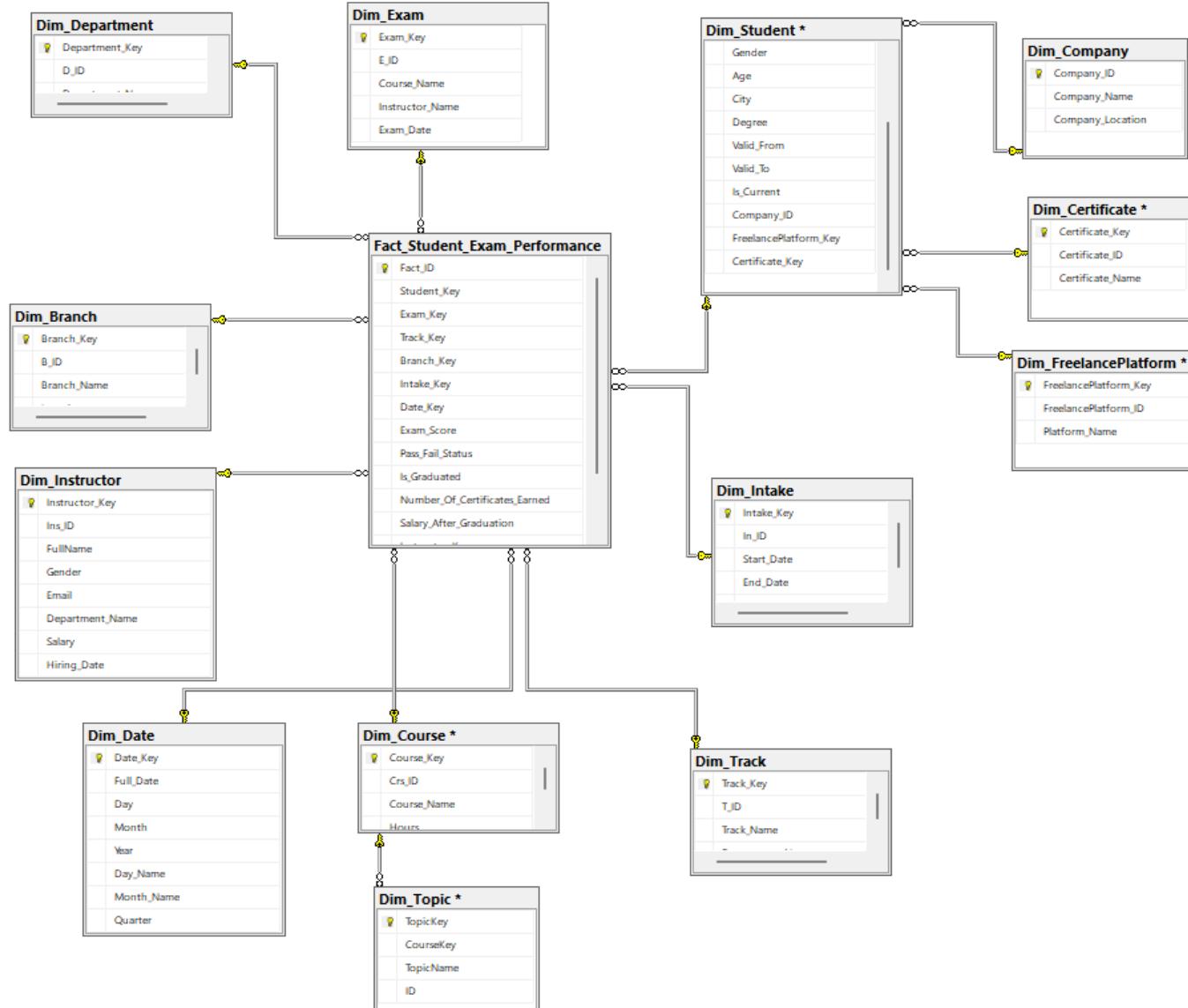
Q ID	Q Text	Q Answer	Type	Crs id
1	Sample Question 1 for Course 2	Option A	MCQ	2
2	Sample Question 2 for Course 3	True	TRUE/FALSE	3
3	Sample Question 3 for Course 4	Option A	MCQ	4
4	Sample Question 4 for Course 5	True	TRUE/FALSE	5
5	Sample Question 5 for Course 6	Option A	MCQ	6
6	Sample Question 6 for Course 7	True	TRUE/FALSE	7
7	Sample Question 7 for Course 8	Option A	MCQ	8
8	Sample Question 8 for Course 9	True	TRUE/FALSE	9
9	Sample Question 9 for Course 10	Option A	MCQ	10
10	Sample Question 10 for Course 11	True	TRUE/FALSE	11
11	Sample Question 11 for Course 12	Option A	MCQ	12
12	Sample Question 12 for Course 13	True	TRUE/FALSE	13
13	Sample Question 13 for Course 14	Option A	MCQ	14
14	Sample Question 14 for Course 15	True	TRUE/FALSE	15
15	Sample Question 15 for Course 16	Option A	MCQ	16
16	Sample Question 16 for Course 17	True	TRUE/FALSE	17
17	Sample Question 17 for Course 18	Option A	MCQ	18
18	Sample Question 18 for Course 19	True	TRUE/FALSE	19
19	Sample Question 19 for Course 20	Option A	MCQ	20

Acti
Go tr

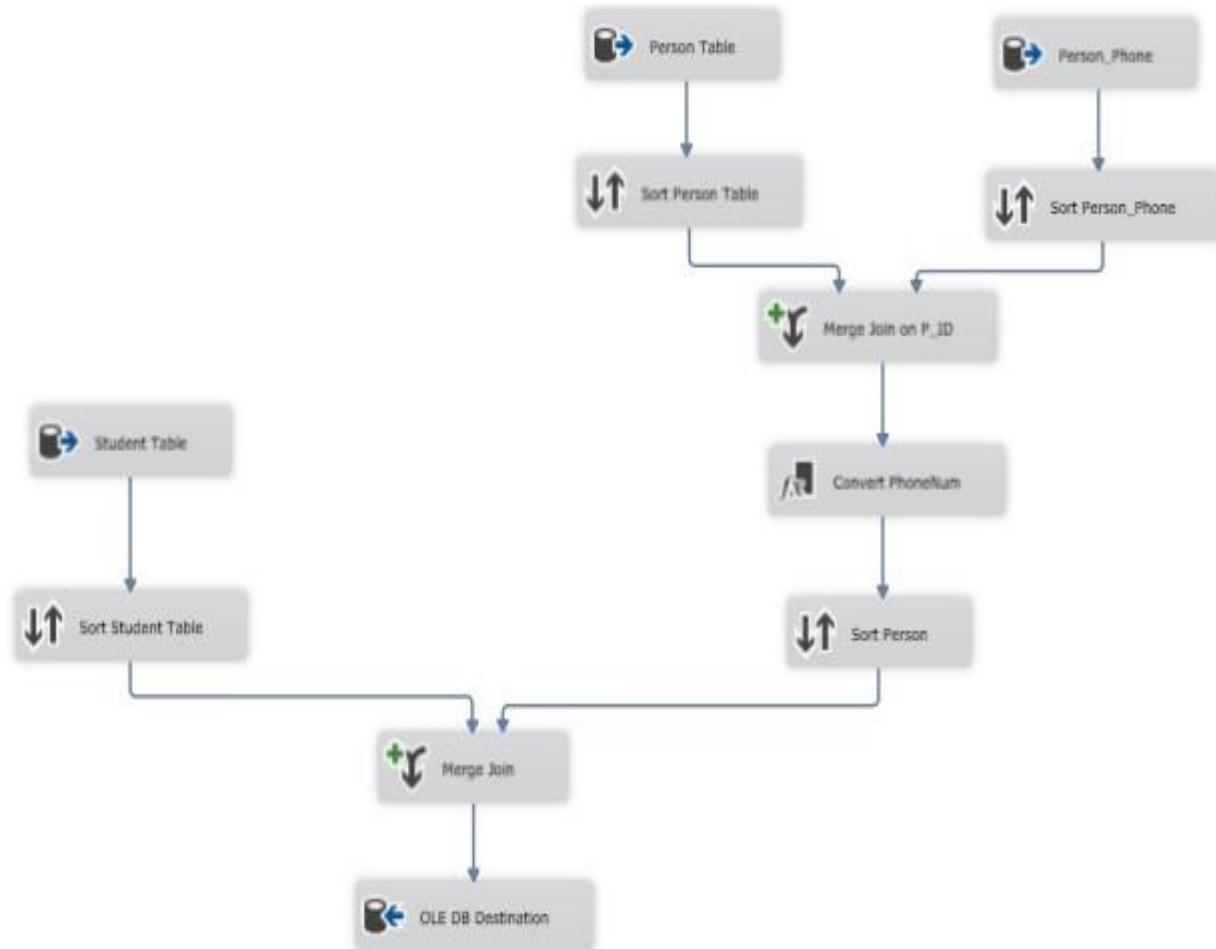
-----show_qu-----

```
CREATE PROCEDURE dbo.show_qu
AS
BEGIN
    SELECT *
    FROM Question;
END;
```

Data Modeling (Full Model)



ETL For Data Modeling

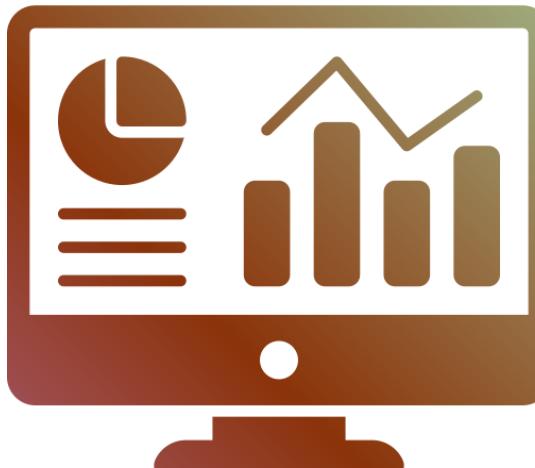


SSIS

ETL

Data Analysis & Visualization (Dashboards)

- ❖ Home Page
- ❖ Dashboards Overview
- ❖ Analysis Overview
- ❖ Detailed Analysis





What are you looking for?

System Overview

Branch

Track

Department

Student

Student Performance

Exam

Instructor

Instructor Salary

Topic

Course

Freelance

Cerificate

Cerificate Provider

Company

Intake

Student Overview Page

Last

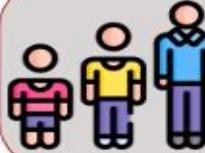
Next

Students Overview



350

Num. of Students



24.07

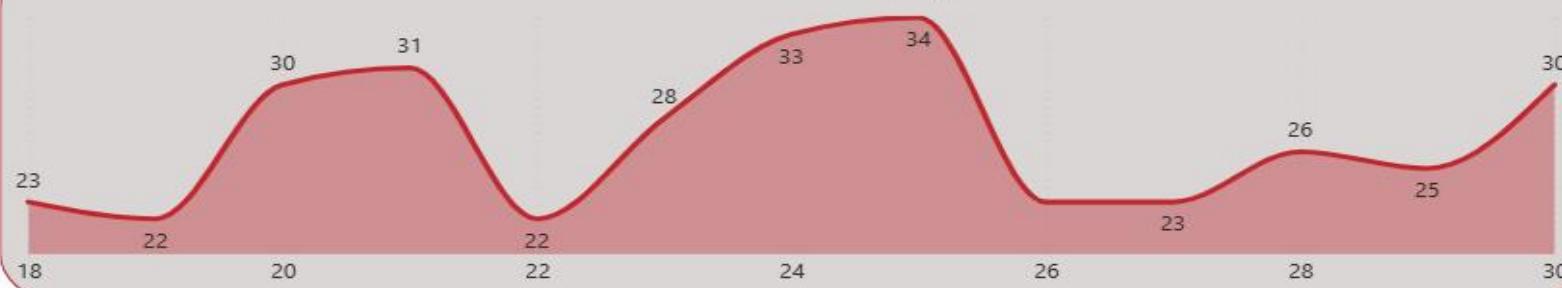
Average Age

Average Exam Score

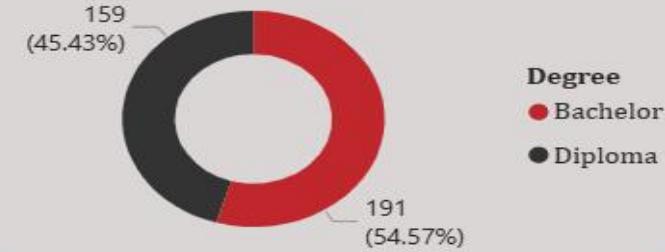
0  10



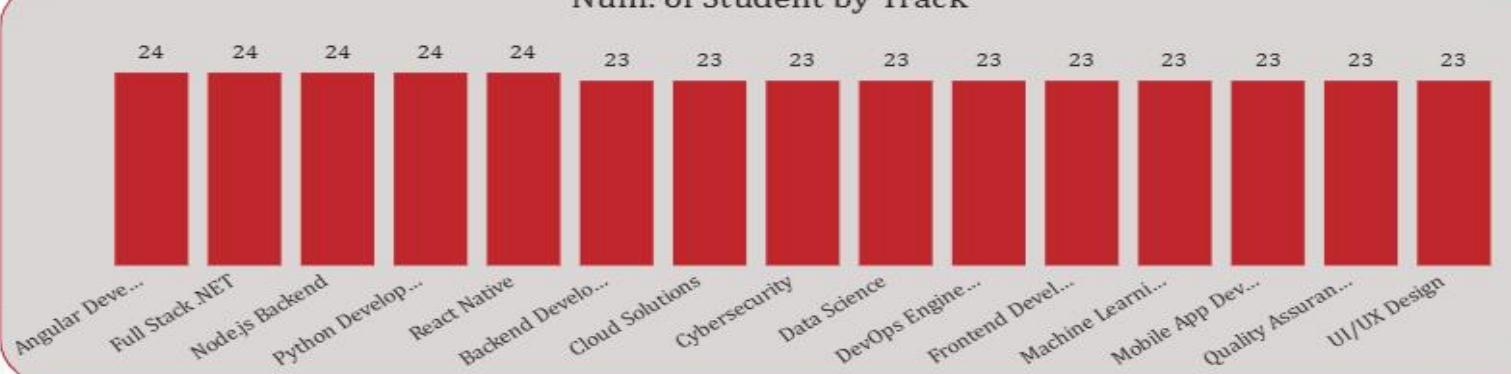
Num. of Student by Age



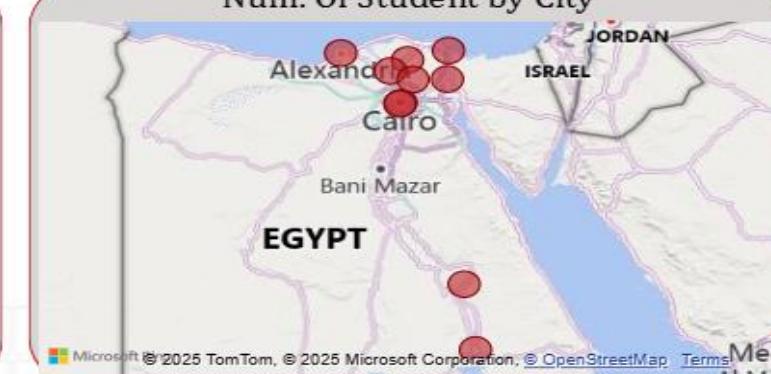
Num. of Student by Degree



Num. of Student by Track



Num. Of Student by City



Instructor Overview Page

Last

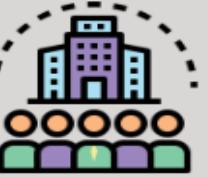
Next

Instructor Overview



101

Num. of Instructors



10

Num. of Departments



Num. of Instructors by Department



Num. of Instructors by Gender



Instructor Num. by Hiring Date



Branch Overview Page

Last

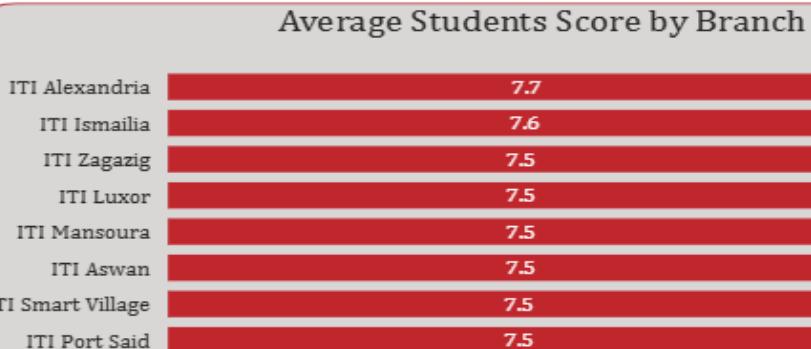
Next

Branch Overview



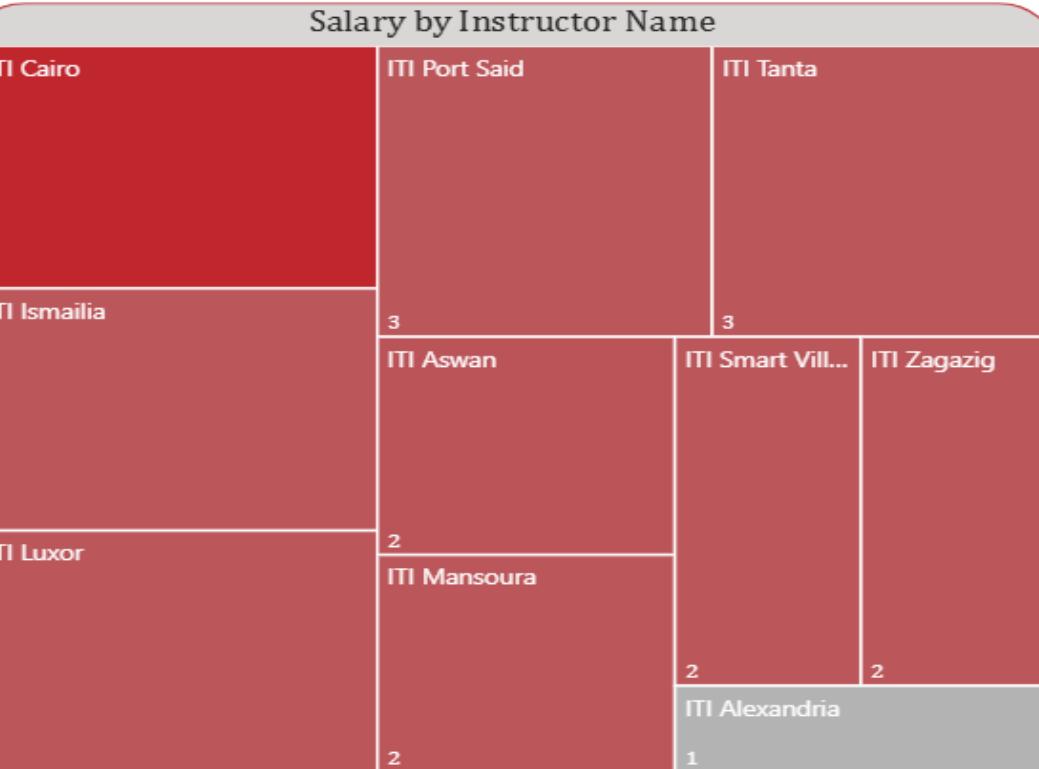
10

Num. Of Branches



350

Num. of Students



Number Of Depts By Branch



Track Overview

Last

Next

Track Overview



15

Num. of Tracks

Num.of Instructors By Track



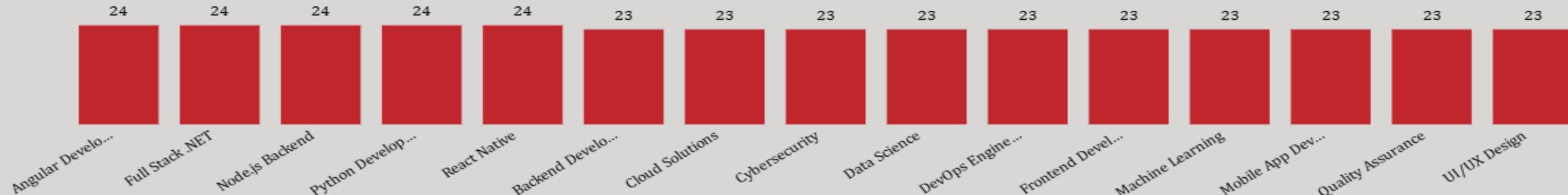
6

Num. of Departments



T_ID	Track_Name	Department_Name
2	Machine Learning	Artificial Intelligence
8	Cloud Solutions	Cloud Computing
7	Data Science	Data Science
9	DevOps Engineering	DevOps
4	Mobile App Development	Mobile Development
13	React Native	Mobile Development
3	Cybersecurity	Network & Security
11	Quality Assurance	Quality Assurance
1	Full Stack .NET	Software Development
6	Backend Development	Software Development

Num.of Students By Track

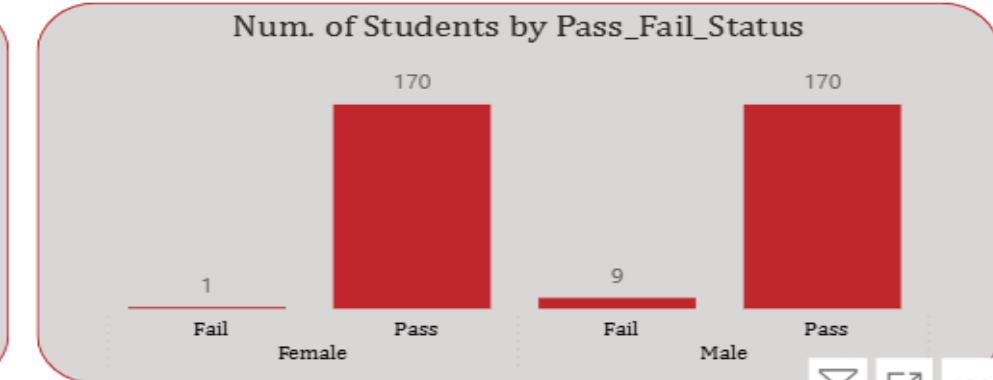


Student Performance on Exam Overview

Last

Next

Students Performance Analysis



S_ID	Full_Name	Email	Gender	Degree	City	Exam_Score	Status	Is_Graduated	Is_Hired
101	Tarek Farouk	tarek.farouk101@student.itい.gov.eg	Male	Diploma	Alexandria	4.50	Fail	False	Unahired
102	Sherif Nasser	sherif.nasser102@student.itい.gov.eg	Male	Bachelor	Giza	4.00	Fail	False	Hired
103	Karim Abdel	karim.abdel103@student.itい.gov.eg	Male	Diploma	Mansoura	3.50	Fail	False	Hired
104	Mazen Sayed	mazen.sayed104@student.itい.gov.eg	Male	Bachelor	Tanta	3.50	Fail	False	Unahired
105	Osama Rashad	osama.rashad105@student.itい.gov.eg	Male	Diploma	Aswan	3.25	Fail	False	Unahired
106	Wael Fouad	wael.fouad106@student.itい.gov.eg	Male	Bachelor	Luxor	1.25	Fail	False	Hired
107	Tamer Gaber	tamer.gaber107@student.itい.gov.eg	Male	Diploma	Ismailia	2.75	Fail	False	Unahired
108	Hany Mansour	hany.mansour108@student.itい.gov.eg	Male	Bachelor	Port Said	4.50	Fail	False	Hired
109	Ashraf Zaki	ashraf.zaki109@student.itい.gov.eg	Male	Diploma	Zagazig	3.50	Fail	False	Hired
110	Nada Helmy	nada.helmy110@student.itい.gov.eg	Female	Bachelor	Cairo	3.00	Fail	False	Unahired
111	Reem Adel	reem.adel111@student.itい.gov.eg	Female	Diploma	Alexandria	7.68	Pass	True	Hired
112	Layla Magdy	layla.magdy112@student.itい.gov.eg	Female	Bachelor	Giza	6.70	Pass	True	Hired
113	Mona Fathv	mona.fathv113@student.itい.gov.eg	Female	Diploma	Mansoura	7.40	Pass	True	Unahired

Topic Overview

Last

Next

Topic Overview



114

Num. of Topics



30

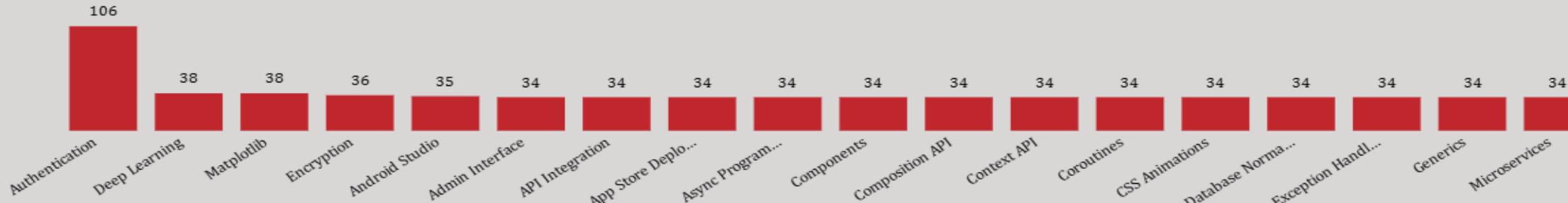
Num. of Courses

Num. of Courses for Each Topic



Crs_ID	Course_Name	Topic_Name
1	C# Programming	Exception Handling
1	C# Programming	LINQ
1	C# Programming	Object-Oriented Programming
1	C# Programming	Variables and Data Types
2	ASP.NET Core	Authentication
2	ASP.NET Core	Entity Framework
2	ASP.NET Core	MVC Architecture
2	ASP.NET Core	Web APIs
3	Python for AI	Matplotlib
3	Python for AI	Numpy and Pandas

Num. of Students By Topic



Exam Overview

Last

Next

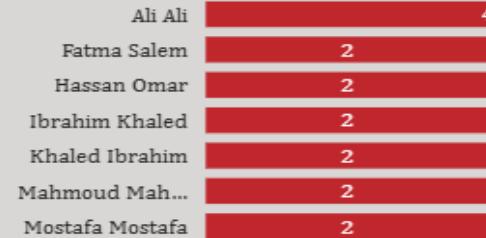
Exam Overview



152

Num. of Exams

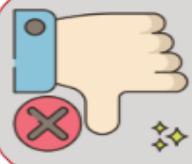
Num. of Exams by Instructor



Average Exam Score



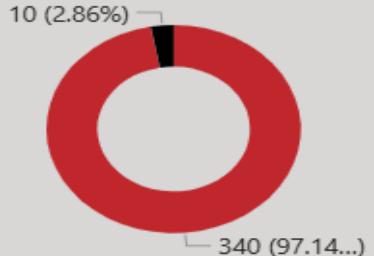
7.53 10



10

#Failed Students

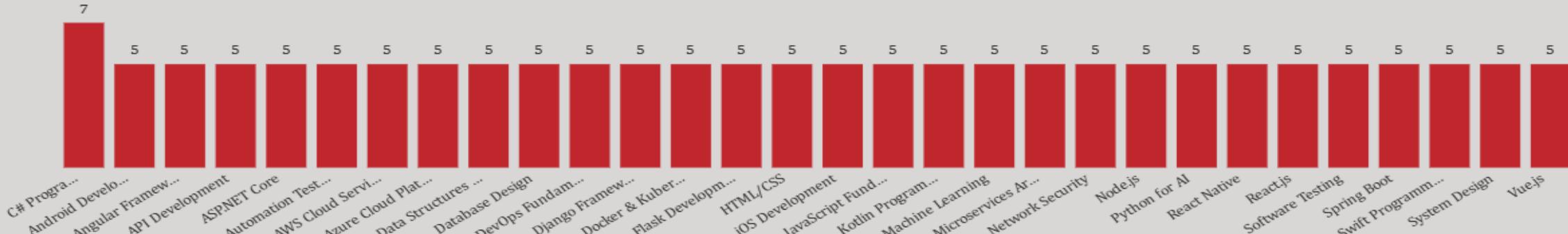
Pass/Fail by Num. Of Students



Pass_Fail_Status
● Pass
● Fail

Num. of Exams	Year	Month
10	2023	January
9	2023	February
10	2023	March
10	2023	April
11	2023	May
10	2023	June
10	2023	July
10	2023	August

Num. of Exams by Course Name



Instructor 's Salary Overview

Last

Next

Instructor Salary Analysis



101

Num. of Instructors



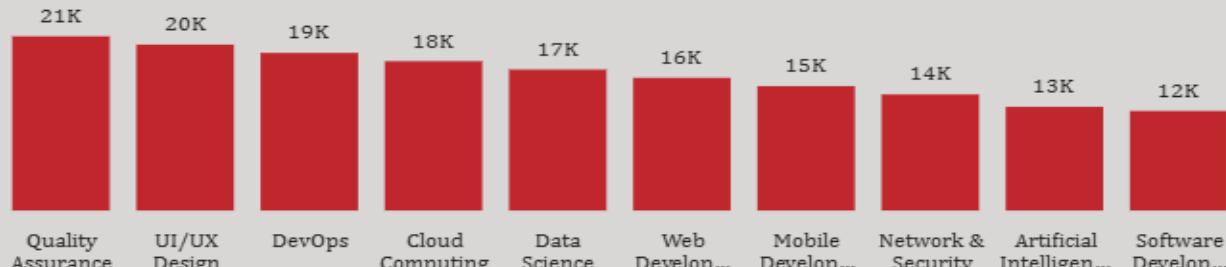
Salary by Instructor Name

Ashraf Ezz	21.0K
Ashraf Mostafa	21.0K
Hala Mostafa	21.0K
Hala Zaki	21.0K
Mostafa Ezz	21.0K
Mostafa Mostafa	21.0K
Mostafa Zaki	21.0K
Salma Ezz	21.0K
Salma Mostafa	21.0K
Salma Zaki	21.0K
Hany Morsy	20.0K
Hany Youssef	20.0K
Samar Mansour	20.0K
Samar Youssef	20.0K
Yasmin Mansour	20.0K
Yasmin Morsy	20.0K
Yasmin Youssef	20.0K
Youssef Mansour	20.0K
Youssef Morsy	20.0K
Youssef Youssef	20.0K

Average Salary

8K 16.41K 21K

Avg. Salary by Department



Ins_ID	FullName	Department_Name	Salary	Year	Month	Day
1	Mohamed Mohamed	Artificial Intelligence	13000	2018	January	8
2	Ali Ali	Network & Security	14000	2018	January	15
3	Omar Hassan	Mobile Development	15000	2018	January	22
4	Khaled Ibrahim	Web Development	16000	2018	January	29
5	Mahmoud Mahmoud	Data Science	17000	2018	February	5
6	Hassan Omar	Cloud Computing	18000	2018	February	12
7	Ibrahim Khaled	DevOps	19000	2018	February	19
8	Youssef Youssef	UI/UX Design	20000	2018	February	26
9	Mostafa Mostafa	Quality Assurance	21000	2018	March	5
10	Fatma Salem	Software Development	12000	2018	March	12

Students' Freelance Overview

Last

Next

Freelance Overview



10

Num. Of Freelance Platforms

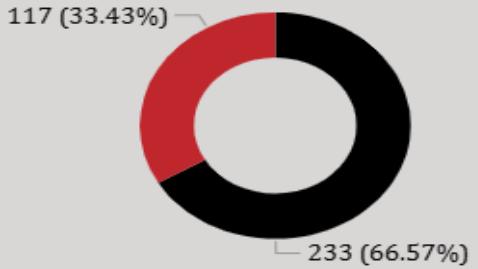


117

Students With Freelance

S_ID	Full_Name	Email	Platform_Name
101	Tarek Farouk	tarek.farouk101@student.iti.gov.eg	
102	Sherif Nasser	sherif.nasser102@student.iti.gov.eg	Fiverr
103	Karim Abdel	karim.abdel103@student.iti.gov.eg	
104	Mazen Sayed	mazen.sayed104@student.iti.gov.eg	
105	Osama Rashad	osama.rashad105@student.iti.gov.eg	Guru
106	Wael Fouad	wael.fouad106@student.iti.gov.eg	
107	Tamer Gaber	tamer.gaber107@student.iti.gov.eg	

Students Did/n't Freelance



Freelance Status
● Didn't Freelance
● Did Freelance

Num. of Students by Platform Name

12

12

12

12

12

12

12

11

11

11

99designs

Fiverr

Freelancer

Guru

Khamsat

Toptal

Upwork

FlexJobs

Mostaql

PeoplePerHour

Department Overview

Last

Next

Department Overview



10

Num. of Departments



10

Num. of Instructors



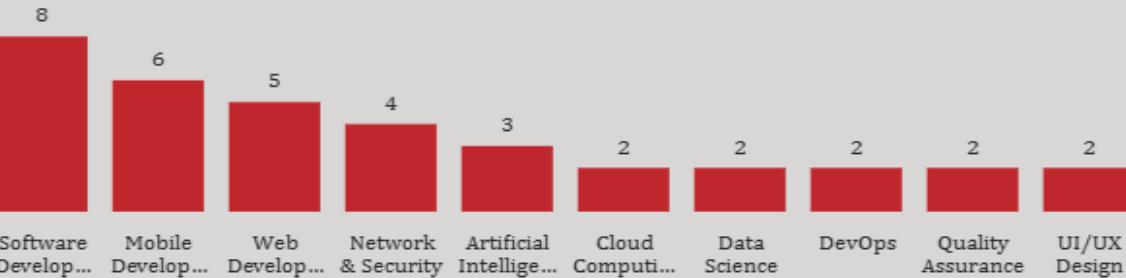
350

Num. of Students

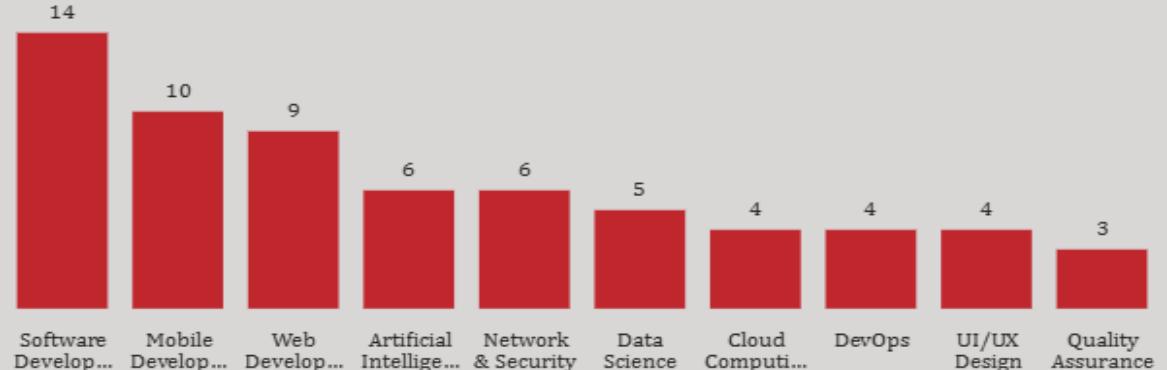
Average Instructor Salary by Dept



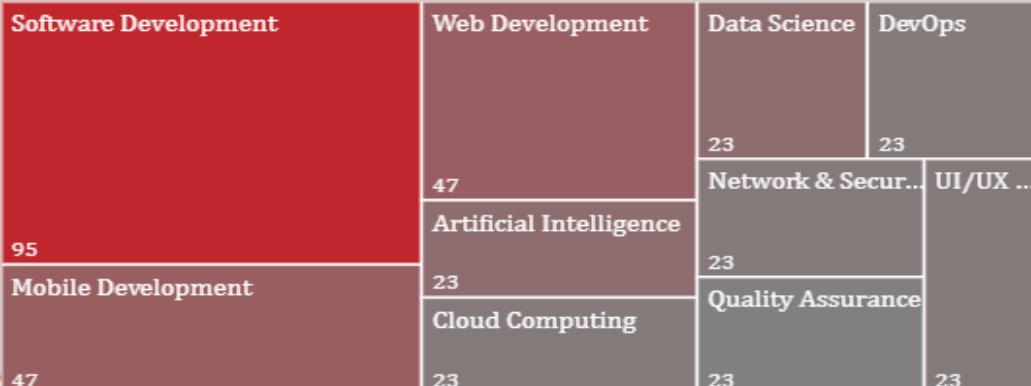
Num. of Instructors by Dept



Num. of Courses by Dept



Num. of Student by Dept



Certificate Overview

Last

Next

Certificate Overview



263
Certificated Students

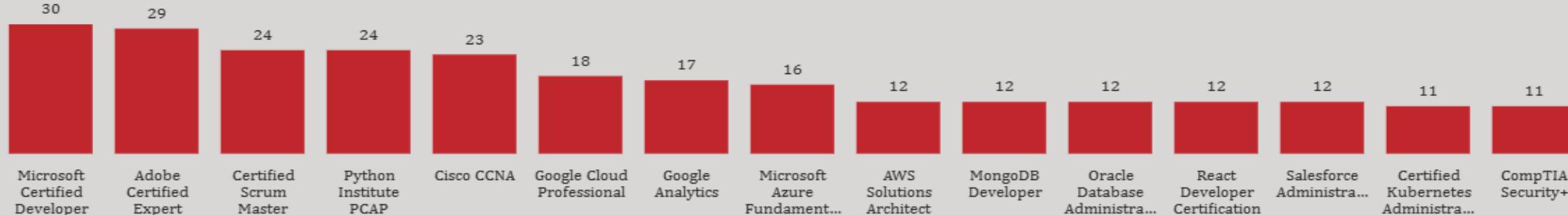


15
Num. of Certificates

87
Uncertificated Students



Num. of Certificates by Name



S_ID	Full_Name	Email	Number_of_Certificates_Earned	Certificate_Name
105	Osama Rashad	osama.rashad105@student.itil.gov.eg	1	Microsoft Certified Developer
106	Wael Fouad	wael.fouad106@student.itil.gov.eg	2	AWS Solutions Architect
107	Tamer Gaber	tamer.gaber107@student.itil.gov.eg	3	Google Analytics
108	Hany Mansour	hany.mansour108@student.itil.gov.eg	0	
109	Ashraf Zaki	ashraf.zaki109@student.itil.gov.eg	1	Oracle Database Administrator
110	Nada Helmy	nada.helmy110@student.itil.gov.eg	2	Google Cloud Professional
111	Reem Adel	reem.adel111@student.itil.gov.eg	3	Certified Scrum Master
112	Layla Magdy	layla.magdy112@student.itil.gov.eg	0	

Course Overview

Last

Next

Course Overview



20
Num. of Courses

Average Exam Score

0 7.53 10



42
Average of Hours

Total Students by Course Name



Num. of Courses by Intake Type



Intake Type
● Full-Time
● Part-Time

Crs_ID	Course_Name	InstructorName	Topic_Name	Hours
1	C# Programming	Ali Ali	Exception Handling	40
1	C# Programming	Ali Ali	LINQ	40
1	C# Programming	Ali Ali	Object-Oriented Programming	40
1	C# Programming	Ali Ali	Variables and Data Types	40
1	C# Programming	Mariam Magdy	Exception Handling	40
1	C# Programming	Mariam Magdy	LINQ	40
1	C# Programming	Mariam Magdy	Object-Oriented Programming	40
1	C# Programming	Mariam Magdy	Variables and Data Types	40
1	C# Programming	Tamer Ragab	Exception Handling	40

Num of Hours by Course Name



Intake Overview



Last



Intake Overview



2

Num of Intake Type

Average Exam Score

0 7.53 10



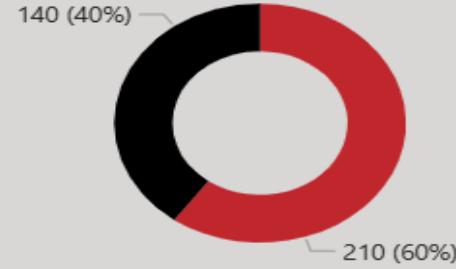
350

Num. of Students

Average score by Date



Num. of Student by Intake Type

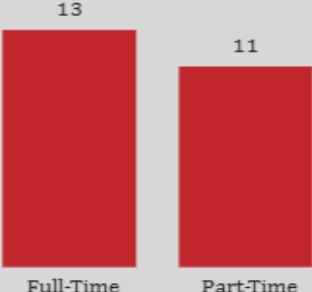


Intake_Type
● Full-Time
● Part-Time

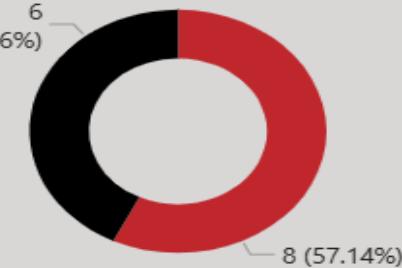
Avg. Score by Intake Type



Num. of Courses by Intake Type



Num. of Instructor by Intake Type



Intake_Type
● Full-Time
● Part-Time

Hired Students Overview

Last

Next

Hired Students Analysis



186
Total Hired Students



8
Num. Of Companies

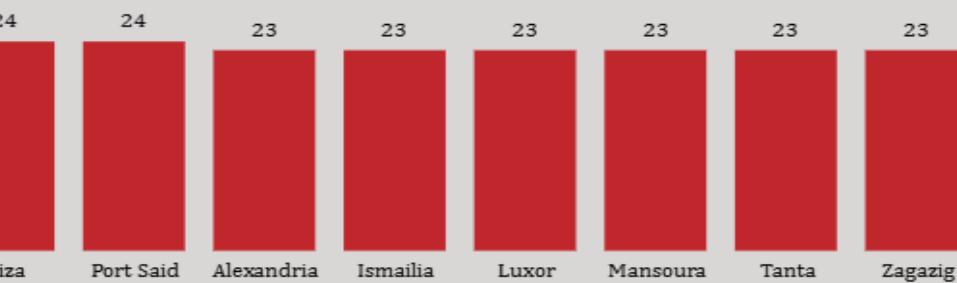
Average Salary

8K **16.41K** **21K**

Total Hired Students by Company Name

Dell Technologies	24
EFG Hermes	24
ITIDA	23
National Bank of Egypt	23
Oracle Middle East	23
Orange Egypt	23
SAP Egypt	23

Total Hired Students By City



Branch	Department	St_Name	Email	Degree	Company	Salary
ITI Cairo	Software Development	Ahmed Ahmed	ahmed.ahmed120@student.itい.gov.eg	Bachelor		
ITI Cairo	Software Development	Ahmed Ahmed	ahmed.ahmed240@student.itい.gov.eg	Bachelor		
ITI Cairo	Software Development	Ahmed Ahmed	ahmed.ahmed360@student.itい.gov.eg	Bachelor		
ITI Cairo	Software Development	Ahmed Helmy	ahmed.helmy200@student.itい.gov.eg	Bachelor		
ITI Cairo	Software Development	Ahmed Helmy	ahmed.helmy320@student.itい.gov.eg	Bachelor		
ITI Cairo	Software Development	Ahmed Helmy	ahmed.helmy440@student.itい.gov.eg	Bachelor		
ITI Cairo	Quality Assurance	Ahmed Salem	ahmed.salem160@student.itい.gov.eg	Bachelor		
ITI Cairo	Quality Assurance	Ahmed Salem	ahmed.salem280@student.itい.gov.eg	Bachelor		
ITI Cairo	Quality Assurance	Ahmed Salem	ahmed.salem400@student.itい.gov.eg	Bachelor		

ITI System Overview

Next



ITI System Overview



Branch Name

ITI Alexandria

ITI Aswan

ITI Cairo

ITI Ismailia

ITI Luxor

ITI Mansoura

ITI Port Said

ITI Smart Village

350

Num. of Students

10

Num. of Branches

10

Num. of Departments

20

Num. of Courses

10

Num. of Instructors

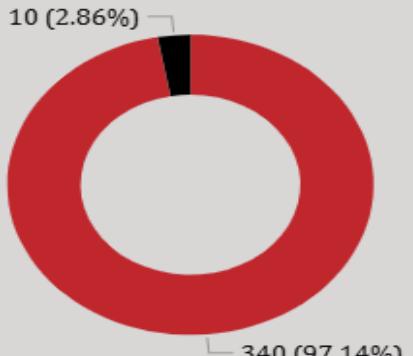
21

Num. of Exams

10

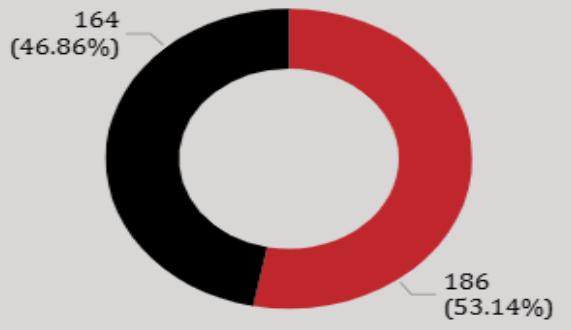
Num. of Intakes

Is Students Graduated



● True ● False

Hired vs. Unhired Students

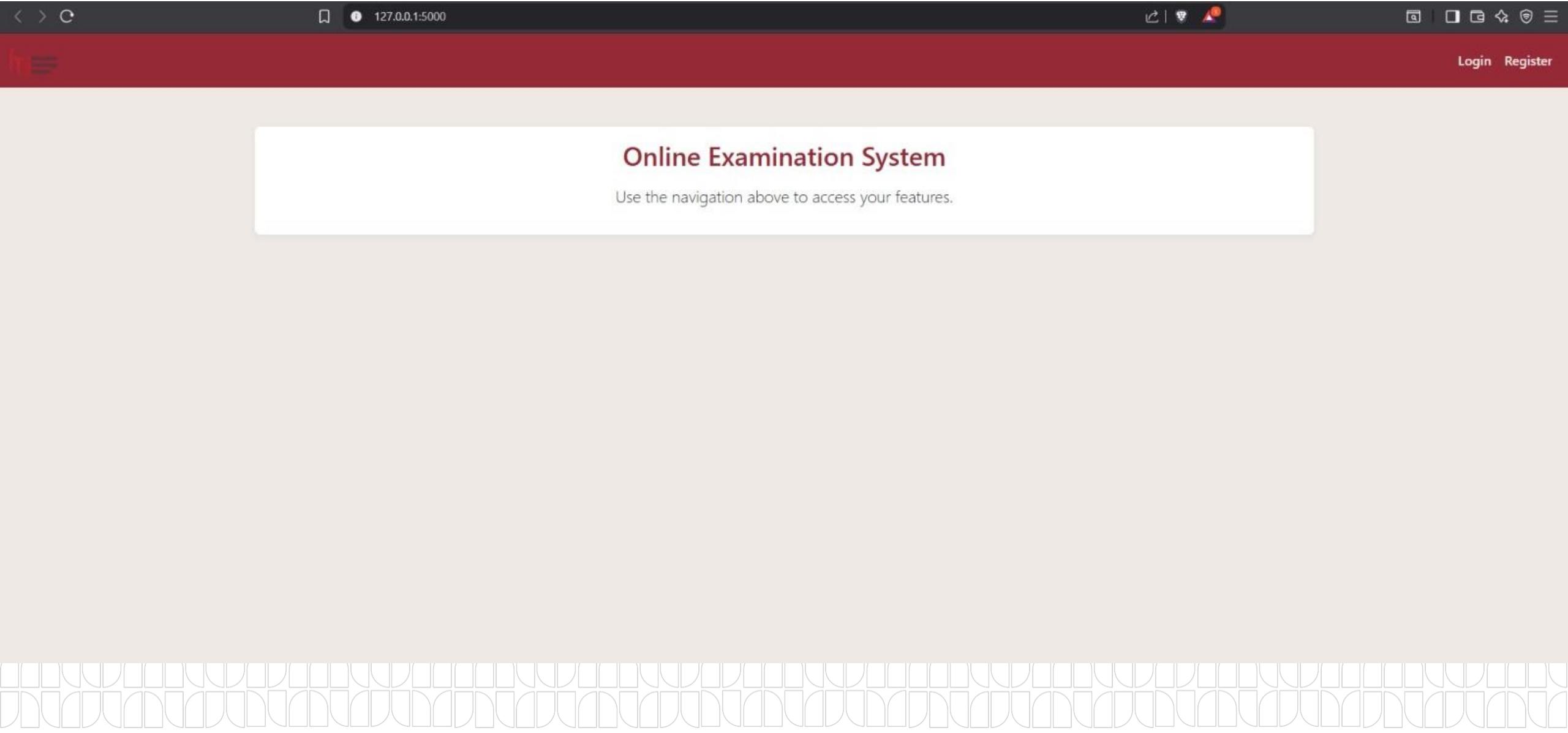


● Hired ● Unhired

Branches By Location



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Sign Up (Student)



Login Register

Register Account

First Name

Last Name

Email (Username)

SSN (Password)

Register as

Student

Register

Already have an account? [Login here.](#)

Activate Windows
Go to Settings to activate Windows.

Login (Student)



Login Register



**Information
Technology
Institute**

[Student Login](#) [Instructor Login](#)

Email

Password

[Login as Student](#)

Activate Windows
Go to Settings to activate Windows.

Student Dashboard



Hello, Logout Student Dashboard



Welcome, Mona

Here you can view your upcoming exams, grades, and more.

Email: mona.fathy113@student.itii.gov.eg

Student ID: 113

Your Exam Analysis

Average score across all taken exams

Upcoming Exams

Upcoming Python for AI (10 Qs, 10 min)

Date: 2023-01-07

[Take Exam](#)

Upcoming ASP.NET Core (10 Qs, 10 min)

Date: 2023-01-04

[Take Exam](#)

Previous Exams

Taken Spring Boot

Date Taken: 2025-07-15 22:35

0.0%

Taken Machine Learning

Date Taken: 2025-07-15 22:35

0.0%

Activate Windows
Go to Settings to activate Windows.

Take Exam



Course

09:51

10 Questions

MCQ 1. Which of the following is a valid Python data type?

- a) integer
- b) string
- c) boolean
- d) All of the above

MCQ 2. In SQL, which keyword is used to extract data from a database?

- a) GET
- b) SELECT
- c) EXTRACT
- d) RETRIEVE

True/False 3. HTML is a programming language.

- a) True

Activate Windows
Go to Settings to activate Windows.

Login (Instructor)



Login Register



**Information
Technology
Institute**

[Student Login](#) [Instructor Login](#)

Instructor ID

Email

Login as Instructor

Activate Windows
Go to Settings to activate Windows.



Instructor Dashboard

Welcome, Ali! Here you can manage exams, courses, and question bank.

Quick Actions

[Create Exam](#)[Manage Courses](#)[Manage Question Bank](#)[Exam Report](#)

Recent Exams

Course	Questions	Duration	Assigned	Taken	Date	Actions
1 - C# Programming	10	60 min	35 students	35 taken	2025-07-01	Add Questions
1 - C# Programming	10	60 min	0 students	0 taken	2024-03-26	Add Questions
30 - Automation Testing	10	60 min	0 students	0 taken	2024-03-23	Add Questions
29 - Software Testing	10	60 min	0 students	0 taken	2024-03-20	Add Questions
28 - Microservices Architecture	10	60 min	0 students	0 taken	2024-03-17	Add Questions

[View All Exams](#)

Activate Windows
Go to Settings to activate Windows.

Thank You

