

# TrainLink

by

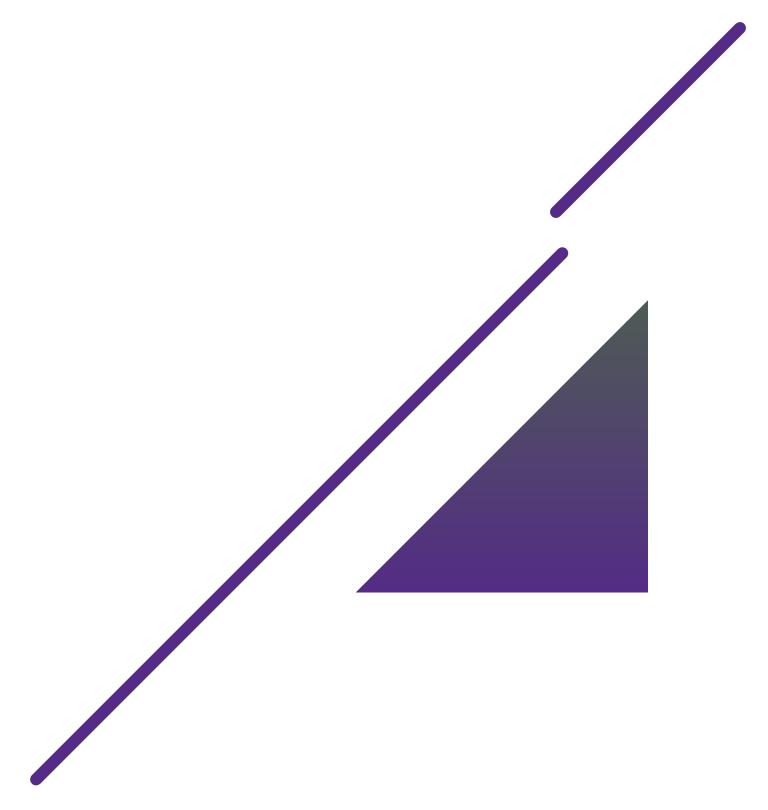
**Renad Alrowili 2210647**  
**Raghad Abdulrahman 2211664**  
**Munira Abdulsalam 2116339**  
**Shatha Alsulami 2217067**  
**Lujain Alghamdi 2111633**

Supervised By:  
**Dr. Nada Al-Salmi**





# Table of content

-  **1 INTRODUCTION**
  -  **2 PROBLEM STATEMENT**
  -  **3 PROPOSED SOLUTION**
  - 4 PROJECT OBJECTIVES**
  - 5 PROJECT SCOPE**
  - 6 RELATED WORK**
  - 7 METHODOLOGY**
  - 8 REQUIREMENTS**
  - 9 DIAGRAMS**
  - 10 PROTOTYPE**
  - 11 CONCLUSION**
- 

Amounts in millions, except per share amounts	Year	Change vs. Prior Year	Change vs. Prior Year	
Net sales	\$ 83 062	1%	\$ 82 851	1%
Operating income	15 288	7%	14 330	10%
Net earnings from continuing operations	11 707	4%	11 301	24%
Net earnings from discontinued operations	78	(23)%	101	(94)%
Net earnings attributable to Company	11 643	3%	11 312	5%
Diluted net earnings per common share	4	4%	3,86	5%
Diluted net earnings per share from continuing operations	3,98	4%	3,83	25%
Core earnings per common share	4,22	5%	4,02	6%

HEALTH CARE      Change vs. Prior Year  
+5%      +15%

## Introduction

- Cooperative training connects education with the job market.
- It provides students with practical experience in their field of study.
- It is essential for students and graduates in a rapidly evolving professional and technological world.
- It assists companies in selecting future talent.

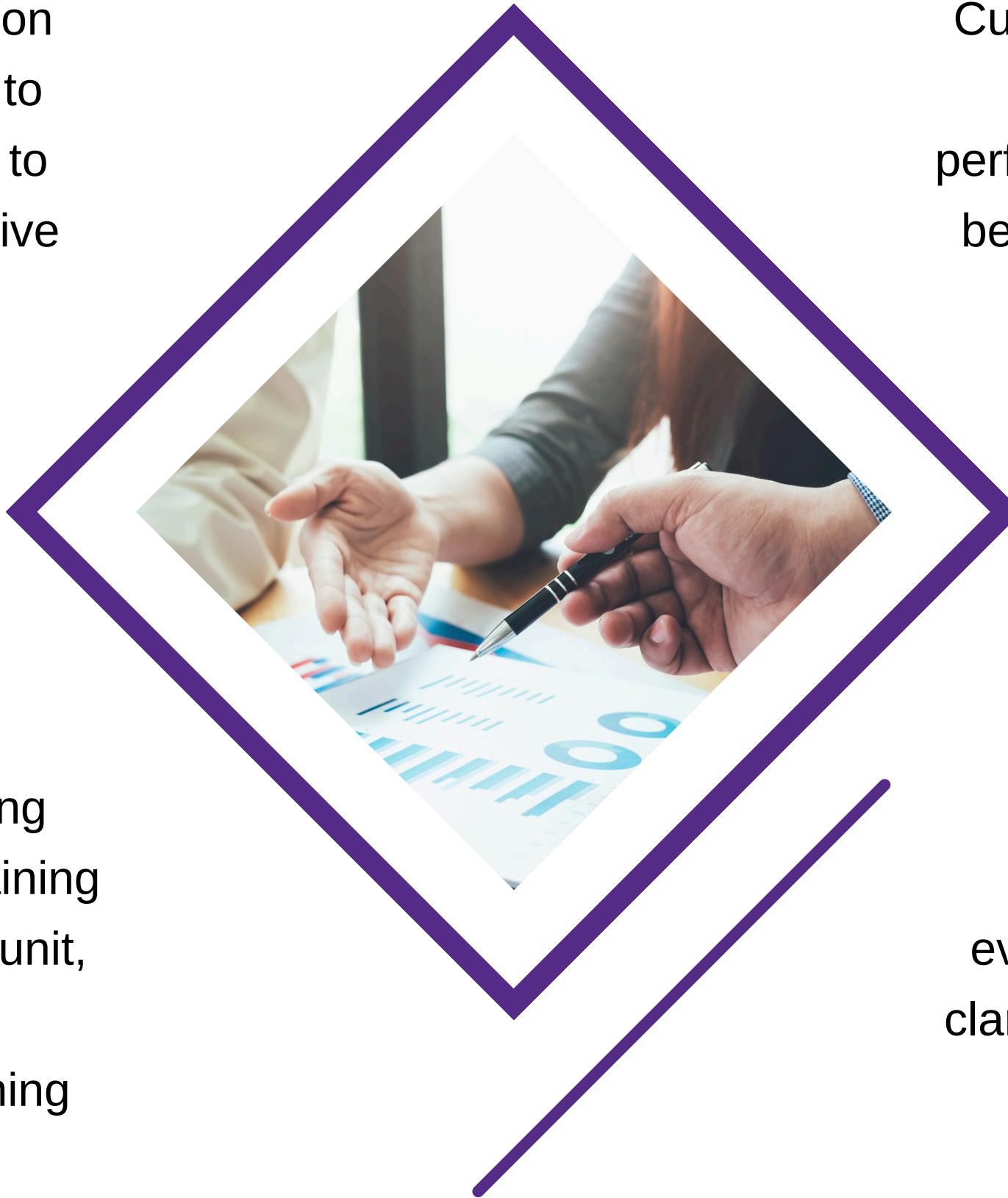
# Problem Statement

Many Saudi universities still rely on paper-based or manual systems to manage student training, leading to delays, data loss, and administrative inefficiencies.

Current systems lack real-time tools to track student progress, evaluate performance, and ensure accountability between institutions and supervisors.

There is weak coordination among students, academic supervisors, training entities, and the university training unit, causing confusion and miscommunication during the training period.

Students have limited access to updates about their applications, evaluations, and feedback, reducing clarity and trust in the training process.



# Proposed Solution



Create an integrated digital system that automates the entire university training process — from registration and application to evaluation and reporting — to replace traditional manual methods.



Establish seamless interaction among students, academic supervisors, training entities, and the University Training Unit to ensure timely updates, evaluations, and effective supervision.



Provide tools for tracking student progress, submitting reports, and conducting fair assessments, while allowing students to view feedback and evaluate training entities transparently.

# Project Objectives

- Develop an integrated web-based platform for managing university training.
- Enable the University Training Unit to register and monitor students.
- Allow training entities to post opportunities and evaluate trainees.
- Provide tools for academic supervisors to track student performance.
- Help students apply for and manage training opportunities easily.
- Improve communication among all stakeholders.
- Ensure transparency in evaluations and feedback.
- Support the goals of Saudi Vision 2030 in digital transformation and education quality.





## System Coverage

TrainLink connects the University Training Unit, Academic Supervisors, Training Entities, and Students in one unified digital platform to manage and monitor the training process.



## Core Features

The system enables student registration, training opportunity management, report submission, and performance evaluation through an automated and transparent process.

## Project Scope

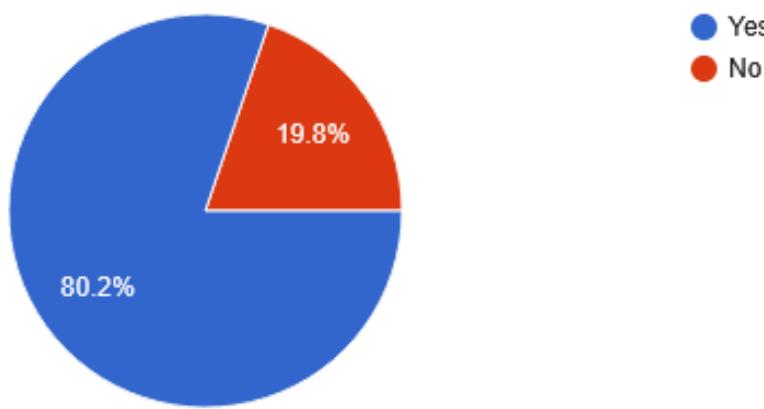
# Related Works

Feature / Platform	Taqat	Qiyas	Noon Academy	TrainLink
<b>Offers internship/training opportunities</b>	Yes	No	Yes	Yes
<b>Continuous follow-up during training</b>	No	No	No	Yes
<b>Performance evaluation of students</b>	No	No	No	Yes
Integrated communication among students, internal and external supervisors	No	No	No	Yes
Covers multiple fields / industries	Yes	Yes	No	Yes
Provides skill improvement resources	Yes	Yes	Yes	Yes
Easy-to-use interface	Yes	Yes	Yes	Yes
Legitimacy / backed by official organization	Yes	Yes	No	Yes
Customizable for universities/companies	No	No	No	Yes

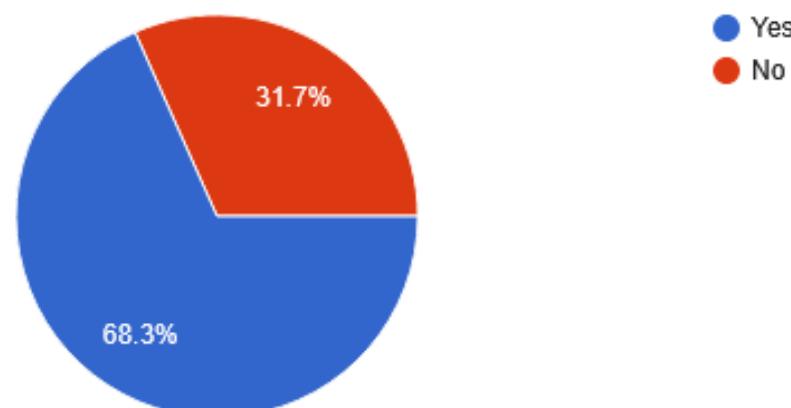


# Survey Result

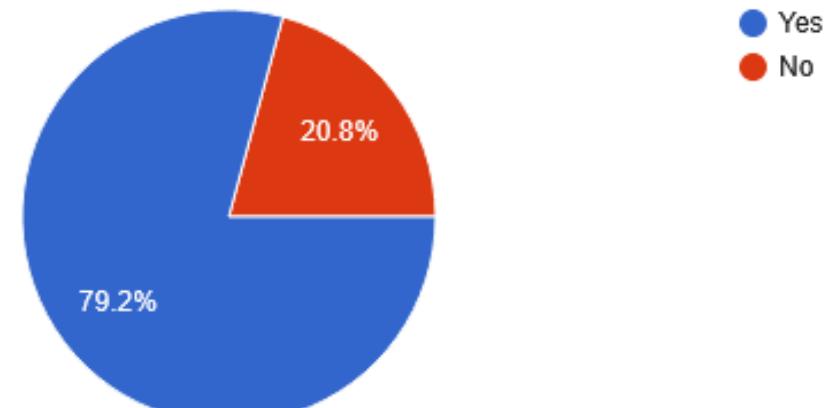
Do you find it difficult to find suitable training opportunities related to your field  
?of study



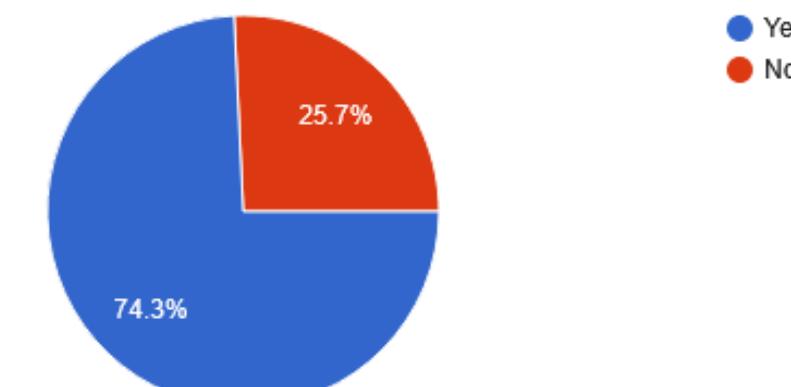
Do you face problems in communicating with your university supervisor during  
?training



?Would you recommend using TrainLink if it fulfills these features

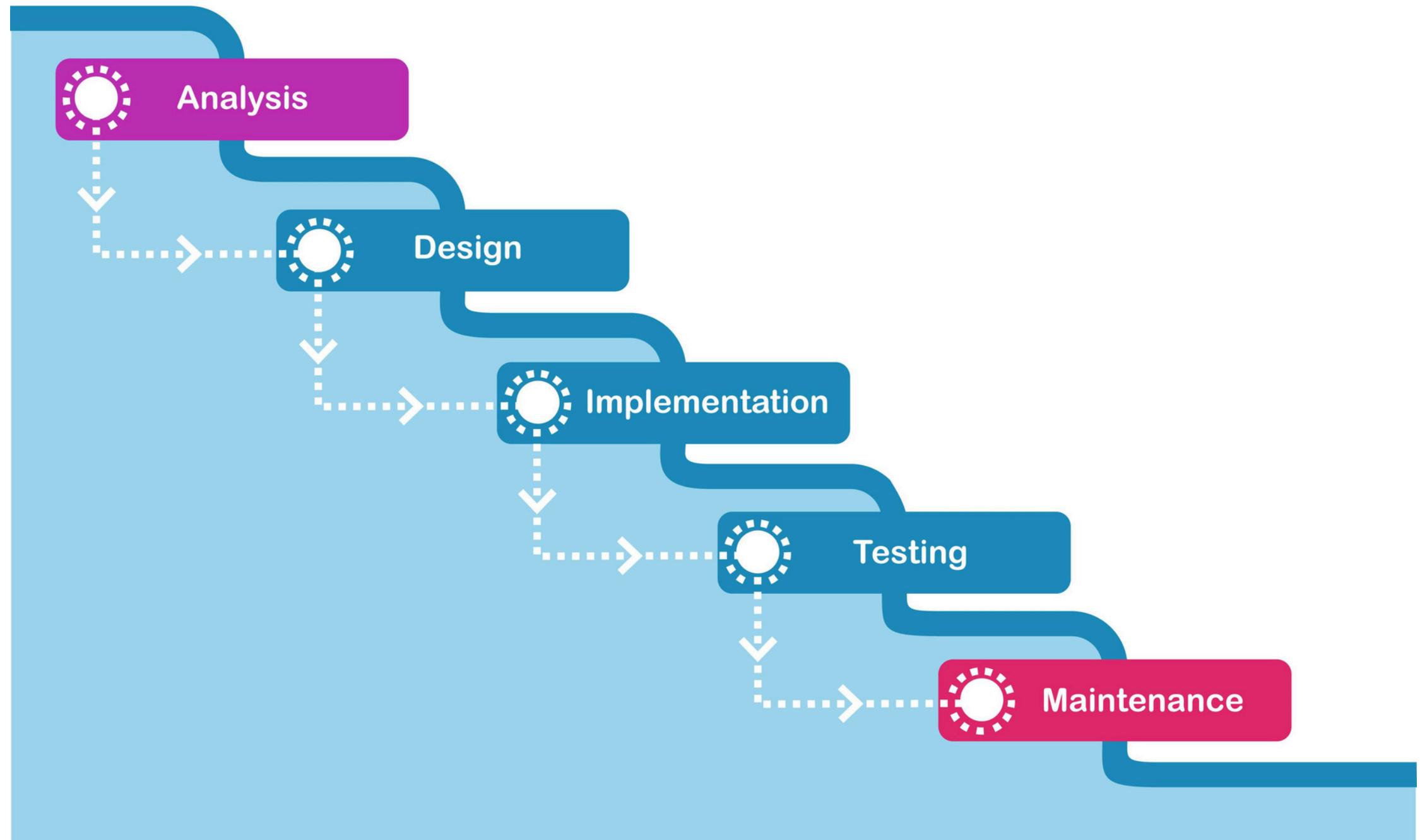


Do you think having all stakeholders (students, university, and company) in one  
?system would reduce confusion



# Methedology

## WATERFALL



# Related Works

Feature / Platform	Taqat	Qiyas	Noon Academy	TrainLink
<b>Offers internship/training opportunities</b>	Yes	No	Yes	Yes
<b>Continuous follow-up during training</b>	No	No	No	Yes
<b>Performance evaluation of students</b>	No	No	No	Yes
Integrated communication among students, internal and external supervisors	No	No	No	Yes
Covers multiple fields / industries	Yes	Yes	No	Yes
Provides skill improvement resources	Yes	Yes	Yes	Yes
Easy-to-use interface	Yes	Yes	Yes	Yes
Legitimacy / backed by official organization	Yes	Yes	No	Yes
Customizable for universities/companies	No	No	No	Yes



# Hardware requirements

Hardware	Purpose
PC / Laptop	Development/Testing interfaces
Internet Connection	Access system online



# Software requirements

Software	Purpose
HTML	Web structure
CSS	Styling pages
PHP	Backend logic
Bootstrap	Responsive design
MySQL	Database



# **University Training Unit Functional requirements**

- **Login/logout**
- **Register students**
- **Review student evaluations**
- **Manage companies**
- **View/review feedback**



# **Student Functional requirements**

- Login/logout
- View/filter training opportunities
- Submit training request
- Track requests & notifications
- View visit schedule
- Submit weekly/final reports



# Training Supervisor (Company) Functional requirements

- Create account/login
- Manage training opportunities
- View/approve/reject student requests
- Evaluate students
- Track academic supervisor visits



# Academic Supervisor Functional requirements

- Login/logout
- Manage visit schedule
- Add/edit visits
- Submit visit reports
- Review student reports
- Weekly/final student evaluation

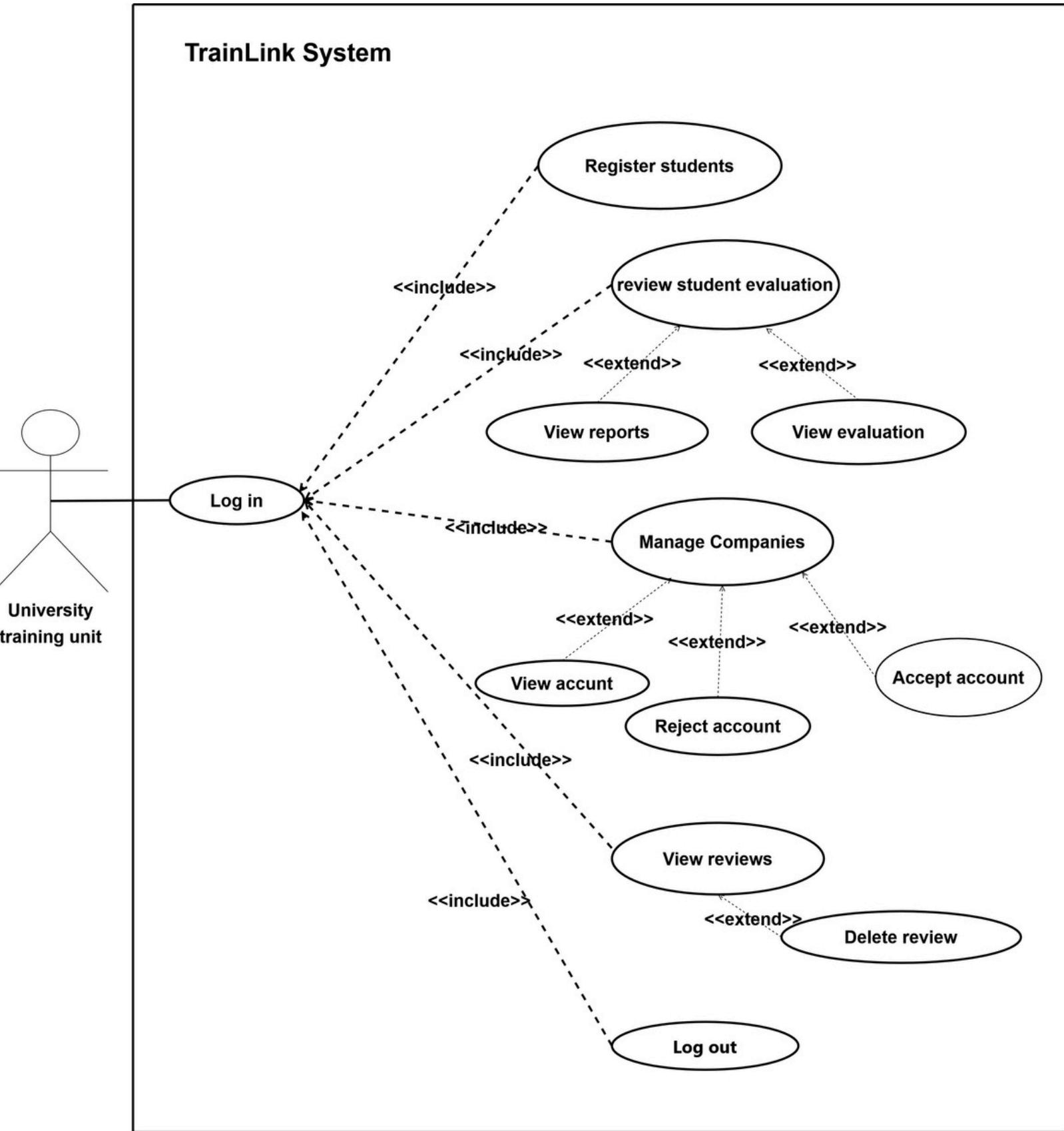


# Non-Functional requirements

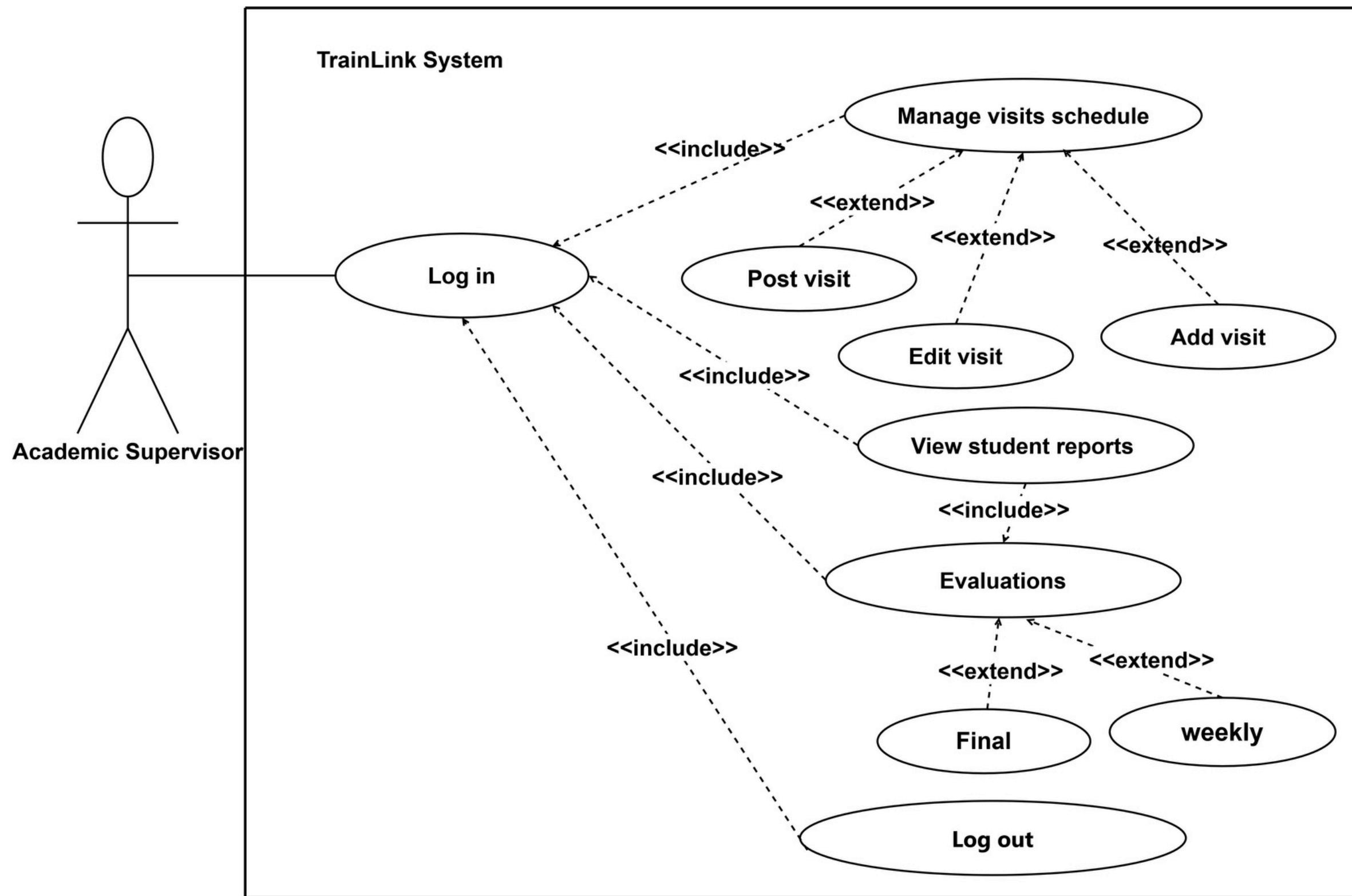
- **Performance:** Fast (<3 sec)
- **Usability:** Simple, mobile-friendly
- **Security:** Secure login, data privacy
- **Reliability:** ≥99% uptime, backups
- **Maintainability:** Easy updates
- **Scalability:** Supports more users
- **Compatibility:** All major browsers



# University training unit Use case Diagram



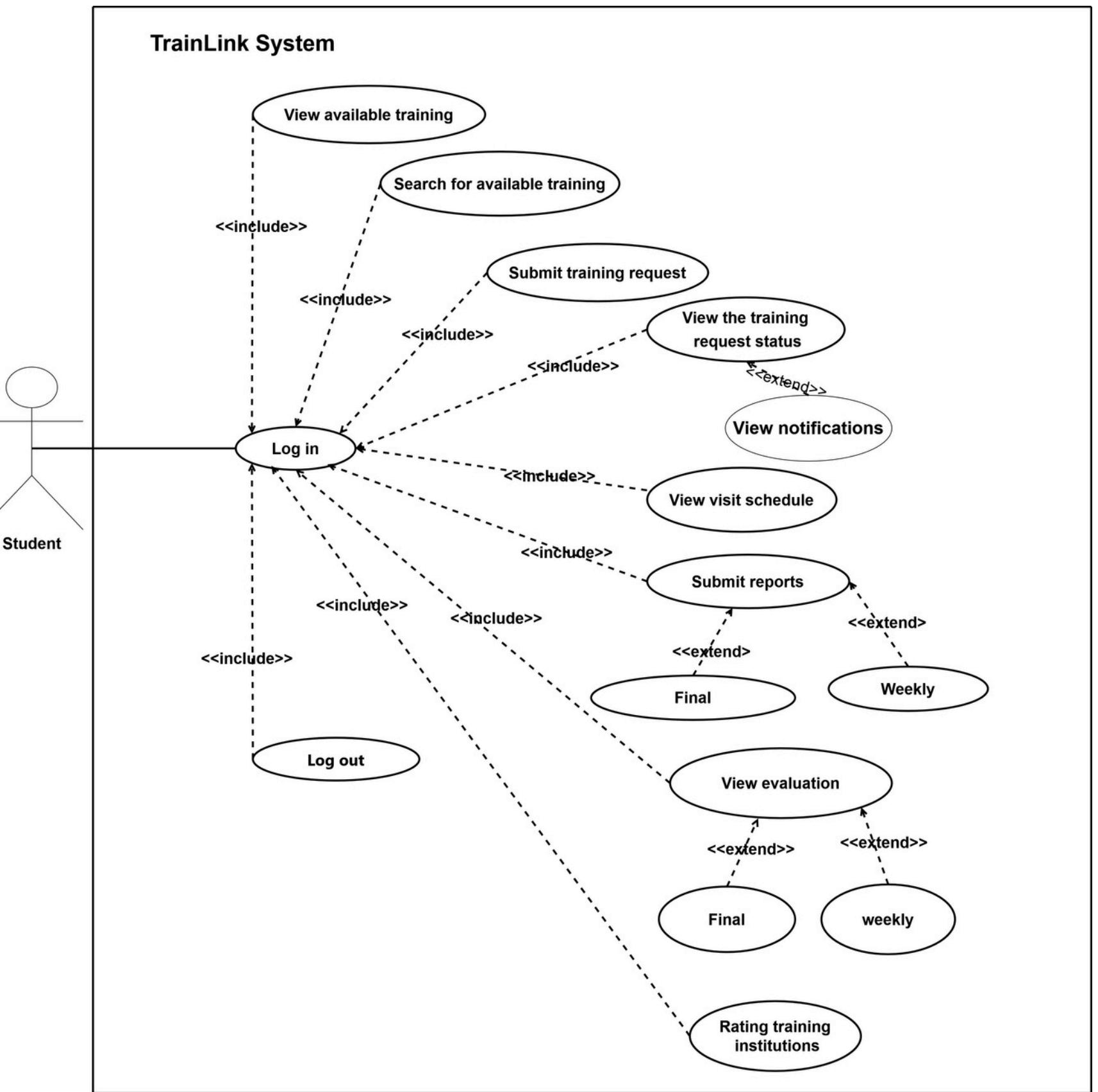
# Academic Supervisor Use case Diagram



# company(Training supervisor) Use case Diagram



# Student Use case Diagram



# Prototype

View training providers.

TrainingLink

Training Providers Training Opportunities My Applications Supervisor Visits Reports My Profile Logout

## Training Providers

Search for training providers by name... My Applications

Provider Type Specialization City

Search

**STC** Saudi Telecom Company (STC)

Private, Riyadh, Computer Science, Information Technology, Business Administration

[View Details](#) [Apply](#)

**وزارة الصحة** Ministry of Health

Government, Jeddah, Medicine, Nursing, Pharmacy

[View Details](#) [Apply](#)

**SABIC** SABIC

Private, Jubail, Chemical Engineering, Mechanical Engineering, Environmental Science

[View Details](#) [Apply](#)

**alrajhi bank** Al Rajhi Bank

Private, Riyadh, Finance, Business Administration, Economics

[View Details](#) [Apply](#)

**وزارة التعليم** Ministry of Education

Government, Riyadh, Education, Psychology, Sociology

[View Details](#) [Apply](#)

**saudi aramco** Aramco

Private, Dhahran, Petroleum Engineering, Geology, Computer Science

[View Details](#) [Apply](#)

© 2025 TrainingLink. All rights reserved.



# Prototype

Search for training opportunities.

TrainingLink

Training Providers Training Opportunities My Applications Supervisor Visits Reports My Profile Logout

## Search Training Opportunities

Search for training opportunities by name, company, or specialization...

Try searching for: "Software Development", "Engineering Internship", "Marketing Training", etc.

### Filter Results

Provider Type Specialization City Opportunity Status

Showing 6 training opportunities

**Software Development Intern**  
Saudi Telecom Company (STC)  
Riyadh Posted: 2 days ago

Join our dynamic software development team to work on cutting-edge projects. Gain hands-on experience with modern development tools and methodologies.

Computer Science Software Engineering Information Technology

**Engineering Trainee Program**  
SABIC  
Jubail Posted: 1 week ago

Comprehensive training program for engineering students interested in chemical and mechanical engineering fields within a global industrial setting.

Chemical Engineering Mechanical Engineering Industrial Engineering

**Healthcare Administration Intern**  
Ministry of Health  
Jeddah Posted: 3 days ago

Opportunity to work in healthcare administration, learning about hospital management, patient services, and healthcare implementation.

Health Administration Public Health Business Administration

**Financial Analyst Training**  
Al Rajhi Bank  
Riyadh Posted: 2 weeks ago

Intensive training program for aspiring financial analysts. Learn about banking operations, financial modeling, and investment analysis.

Finance Economics Business Administration

**Marketing Intern**  
STC  
Riyadh Posted: 5 days ago

Join our marketing team to develop campaigns, analyze market trends, and create engaging content for digital platforms.

Marketing Business Administration Communications

**Petroleum Engineering Trainee**  
Aramco  
Dhahran Posted: 3 weeks ago

Hands-on training in petroleum engineering principles, reservoir management, and drilling operations within a world-class energy company.

Petroleum Engineering Geology Chemical Engineering

© 2025 TrainingLink. All rights reserved.

# Prototype

## Apply for a Training Opportunity

TrainingLink

Training Providers Training Opportunities My Applications Supervisor Visits Reports My Profile Logout

### Apply for Training Opportunity

Back to Opportunities

1 Opportunity Details      2 Application Form      3 Review & Submit

#### Training Opportunity Details

Review the opportunity you're applying for

**Software Development Intern**  
Saudi Telecom Company (STC)  
Riyadh  
Duration: 8 weeks  
5 positions available

Join our dynamic software development team to work on cutting-edge projects. Gain hands-on experience with modern development tools and methodologies including Agile, DevOps, and cloud technologies.

Cancel Continue to Review

© 2025 TrainingLink. All rights reserved.



# Prototype

## View Academic Supervisor Visits

 TrainingLink    Training Providers    Training Opportunities    My Applications    Supervisor Visits    Reports    My Profile    Logout

### Academic Supervisor Visits

My Academic Supervisor

 Dr. Nada Al-Salmi  
College of Computer and Information Sciences  
n.al-salmi@university.edu.sa +966 11 123 4567 Office Hours: Sun-Tue, 10AM-12PM

Filter Visits

Visit Status    Date Range    Visit Type  
 2023-11

List View    Calendar View

**Initial Training Progress Review**  
15 Nov    Upcoming  
10:00 AM - 11:30 AM    STC Headquarters, Riyadh    On-site Visit  
First official visit to review your initial progress, discuss challenges, and set goals for the upcoming training period.

**Mid-term Evaluation**  
29 Nov    Upcoming  
2:00 PM - 3:30 PM    Virtual Meeting  
Virtual meeting to evaluate your progress at the midpoint of your training, discuss achievements and areas for improvement.

**Progress Check-in**  
05 Nov    Cancelled  
11:00 AM - 12:00 PM    STC Headquarters, Riyadh    On-site Visit  
Visit cancelled due to supervisor's scheduling conflict. Rescheduled for November 15.

**Training Orientation Meeting**  
20 Oct    Completed  
9:00 AM - 10:00 AM    University Campus    On-site Visit  
Initial meeting to discuss training objectives, expectations, and establish communication protocols for the training period.

© 2025 TrainingLink. All rights reserved.



# Prototype

## Student profile

**TrainingLink**

Dashboard Training Opportunities My Applications Supervisor Visits Reports **My Profile** Logout

### Student Profile



Raghad Abdulrahman  
Computer Science Student

12 Applications 3 Active Trainings

4.7 Avg. Rating 85% Completion

**Personal Information**

Student ID	438201234	Email	raghad.abdulr@student.edu.sa
Phone Number	+966 55 123 4567	Date of Birth	March 15, 2001
Nationality	Saudi Arabian	Address	Riyadh, Saudi Arabia

**Academic Information**

University	King Saud University	College	Computer and Information Sciences	Major	Computer Science
Expected Graduation	June 2024				

**Skills & Competencies**

Add Skill

Java X Python X JavaScript X SQL X React X Spring Boot X Git X

Docker X AWS X Problem Solving X

© 2025 TrainingLink. All rights reserved.



# Prototype

Manage training opportunities.

 TrainingLink Dashboard Opportunities Applications Student Evaluations Reports STC - HR Department Logout

## Manage Training Opportunities

Add New Opportunity

Active Opportunities Drafts Closed Opportunities

### Active Training Opportunities

**Software Development Intern**  
Riyadh Posted: Nov 5, 2025 15 Applications Closes: Dec 15, 2025  
Join our dynamic software development team to work on cutting-edge projects. Gain hands-on experience with modern development tools and methodologies.  
Computer Science X Software Engineering X Information Technology X

**Data Analyst Trainee**  
Jeddah Posted: Oct 20, 2025 22 Applications Closes: Nov 30, 2025  
Work with our data science team to analyze business data, create reports, and provide insights to drive decision-making processes.  
Data Science X Statistics X Business Analytics X

**Data Analyst Trainee**  
Jeddah Posted: Oct 20, 2025 22 Applications Closes: Nov 30, 2025  
Work with our data science team to analyze business data, create reports, and provide insights to drive decision-making processes.  
Data Science X Statistics X Business Analytics X

© 2025 TrainingLink. All rights reserved.



# Prototype

## Manage students' applications

TrainingLink Dashboard Opportunities Applications Student Evaluations Reports STC - HR Department Logout

### Student Applications

All Applications Pending Review Accepted Rejected Software Development Data Analyst

Filter Applications Training Opportunity Specialization Application Date 2025-11 Reset Apply Filters

#### Application List

Showing 4 of 47 applications

**Renad Alrowili**  
ID: 438201234 Computer Science GPA: 4.75/5.0  
Software Development Intern Applied: Nov 10, 2023 King Saud University  
I am passionate about software development and have experience with Java, Python, and web technologies. I believe this internship will help me grow my skills and contribute to innovative projects at STC.  
Java Python JavaScript SQL Git  
View Details Accept Reject

**Raghad Abdulrahman**  
ID: 438201567 Data Science GPA: 4.60/5.0  
Data Analyst Trainee Applied: Nov 8, 2023 Princess Nourah University  
As a data science student, I have strong analytical skills and experience with statistical analysis, machine learning, and data visualization. I'm excited about the opportunity to apply my knowledge to real-world business problems.  
Python R SQL Tableau Machine Learning  
View Details Accept Reject

**Munira Abdulsalam**  
ID: 438201890 Software Engineering GPA: 4.80/5.0  
Software Development Intern Applied: Nov 5, 2023 King Fahd University  
I have developed several mobile and web applications during my studies and personal projects. I'm particularly interested in backend development and cloud technologies.  
Java Spring Boot React AWS Docker  
View Details Contact Student

**Shatha Alsulami**  
ID: 438201123 Information Technology GPA: 3.80/5.0  
Data Analyst Trainee Applied: Nov 3, 2023 Imam University  
I have taken several data analysis courses and completed projects using Excel, SQL, and basic Python. I'm eager to learn more about data visualization and business intelligence tools.  
Excel SQL Python Power BI  
View Details View Reason

© 2025 TrainingLink. All rights reserved.



## SUMMARY OF RESULTS

Amounts in millions, except per share amounts

Net sales

Operating income

Net earnings from continuing operations

Net earnings from discontinued operations

Net earnings attributable to Company

Diluted net earnings per common share

Diluted net earnings per share from continuing operations

Core earnings per common share

	Year	Change vs. Prior Year		Change vs. Prior Year	
	\$ 83 062	1%	\$ 82 851	1%	\$ 82 006
Net sales	15 288	7%	14 330	10%	13 035
Operating income	11 707	4%	11 301	24%	9 150
Net earnings from continuing operations	78	(23)%	101	(94)%	1 754
Net earnings from discontinued operations	11 643	3%	11 312	5%	10 756
Net earnings attributable to Company	4	4%	3,86	5%	3,06
Diluted net earnings per common share	3,98	4%	3,83	25%	4,02
Diluted net earnings per share from continuing operations	4,22	5%	4,02	6%	3,66
Core earnings per common share					

HEALTH CARE

Change vs  
+5%

## Conclusion

The TrainLink project successfully addresses critical inefficiencies in managing university cooperative training programs in Saudi Arabia. By developing an integrated, web-based platform, it establishes a vital digital link between students, academic supervisors, training entities, and the University Training Unit. The system streamlines the entire training lifecycle from opportunity discovery and application to progress monitoring and evaluation replacing fragmented, manual processes with a centralized, transparent, and efficient solution.

# Thank You

---

