



DITU 3934

SYSTEM DEVELOPMENT WORKSHOP

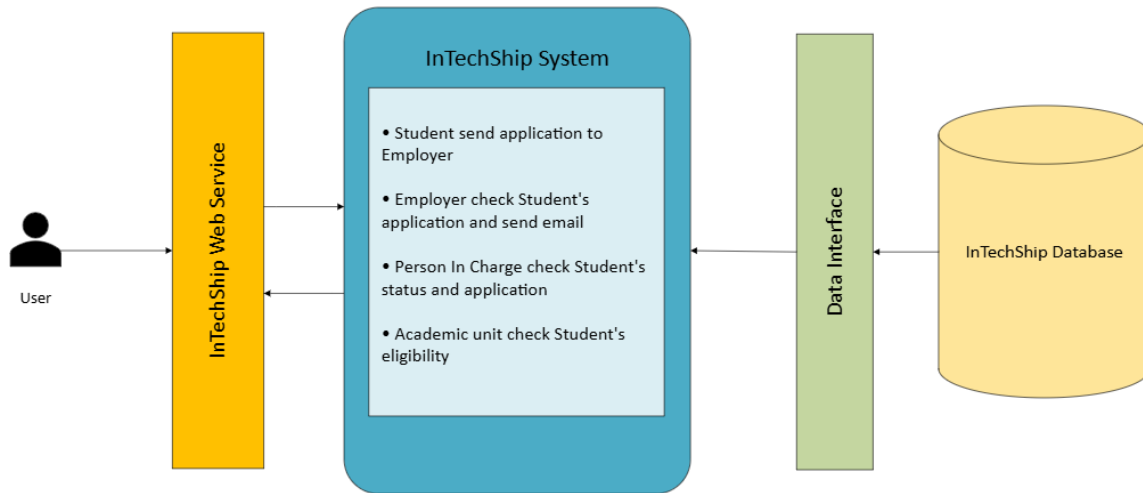
LECTURER:

PUAN ROSMIZA WAHIDA BINTI ABDULLAH

DESIGN DOCUMENT: InTechShip

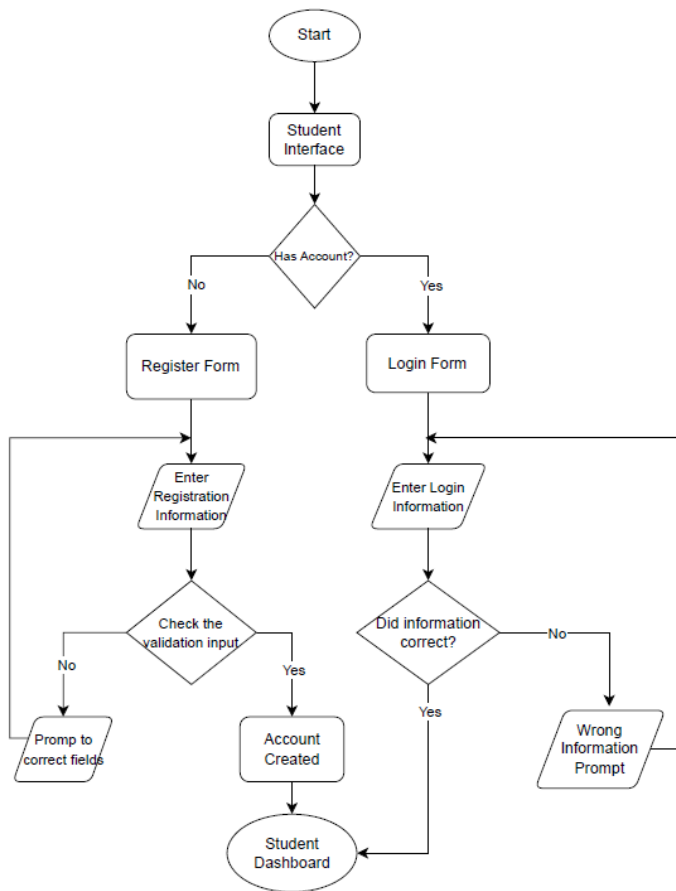
Bil	Nama	No Matrik
1	MUHAMMAD ADIB BIN MOHD NAZLI	D032310272
2	HAIZACK IKMAL BIN GHAZALI	D032310313
3	ANWAR HAFIY BIN ZULHAZAM	D032310287
4	MUHAMMAD AMIRUL BIN GHAFAR	D032310190
5	KHAIRUL AMININ BIN KHALIP	D032310012

1.0 SYSTEM ARCHITECTURE

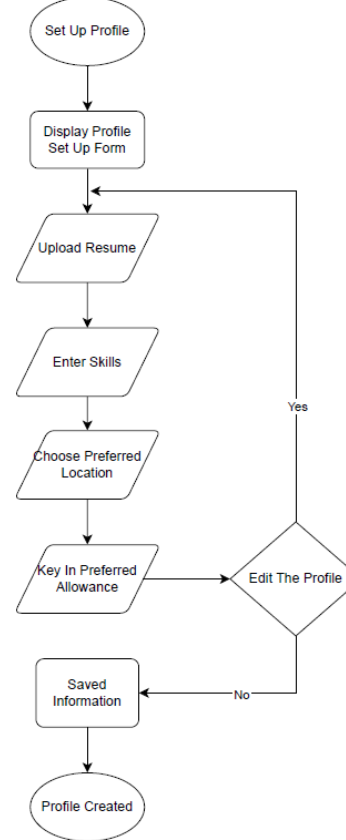


2.0 FUNCTIONS FLOWCHART

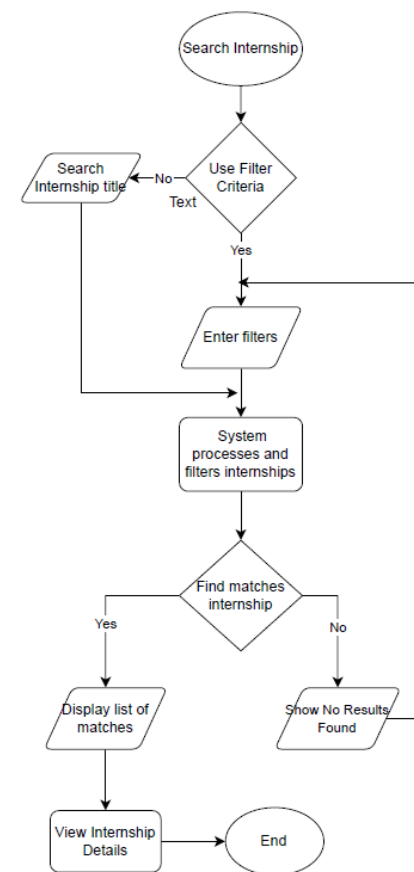
FR1.0 Register & Login



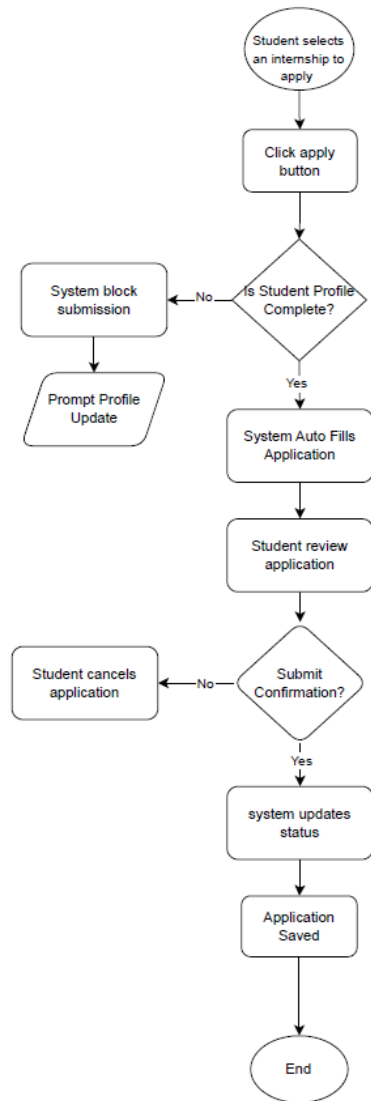
FR1.0



FR2.0

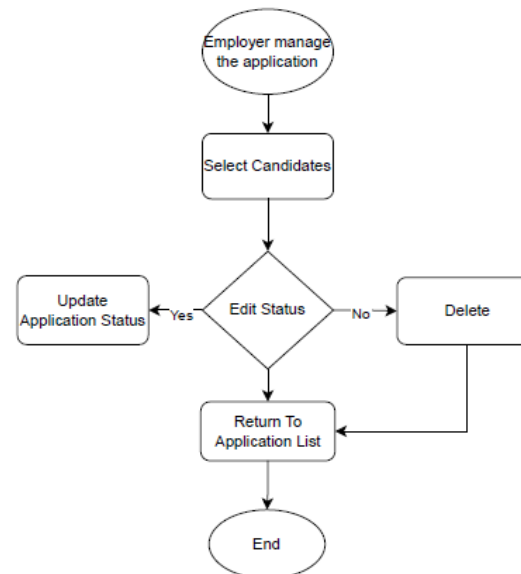
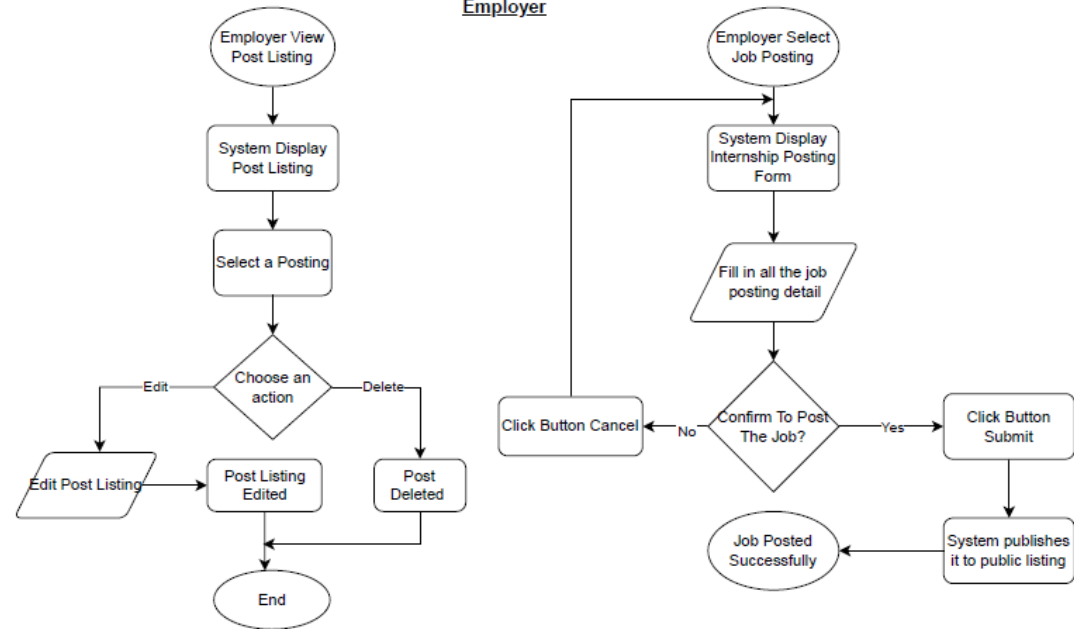


FR3.0

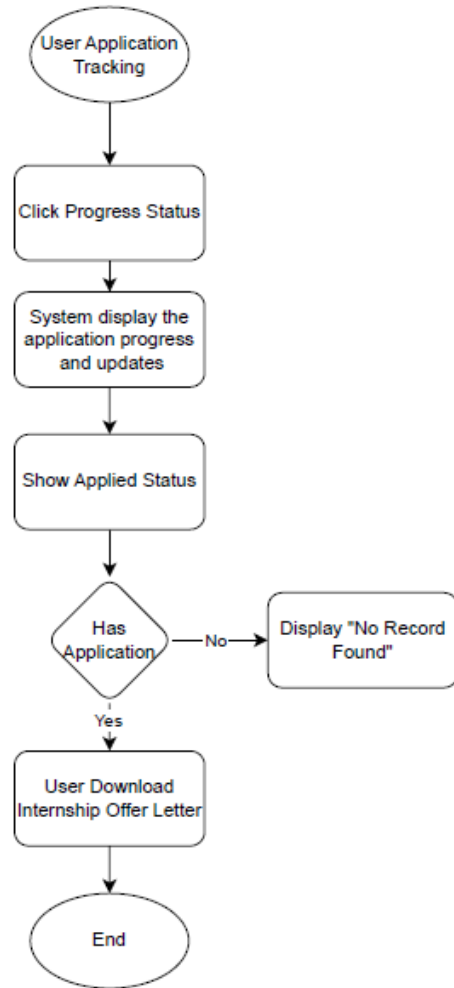


Employer

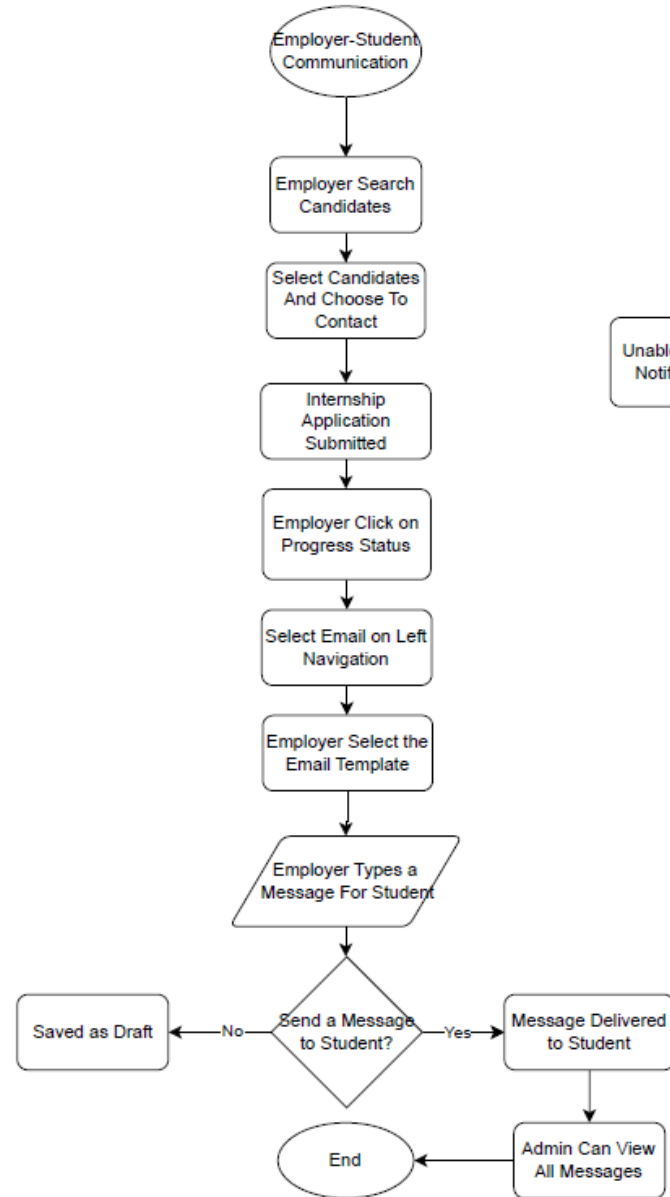
FR4.0



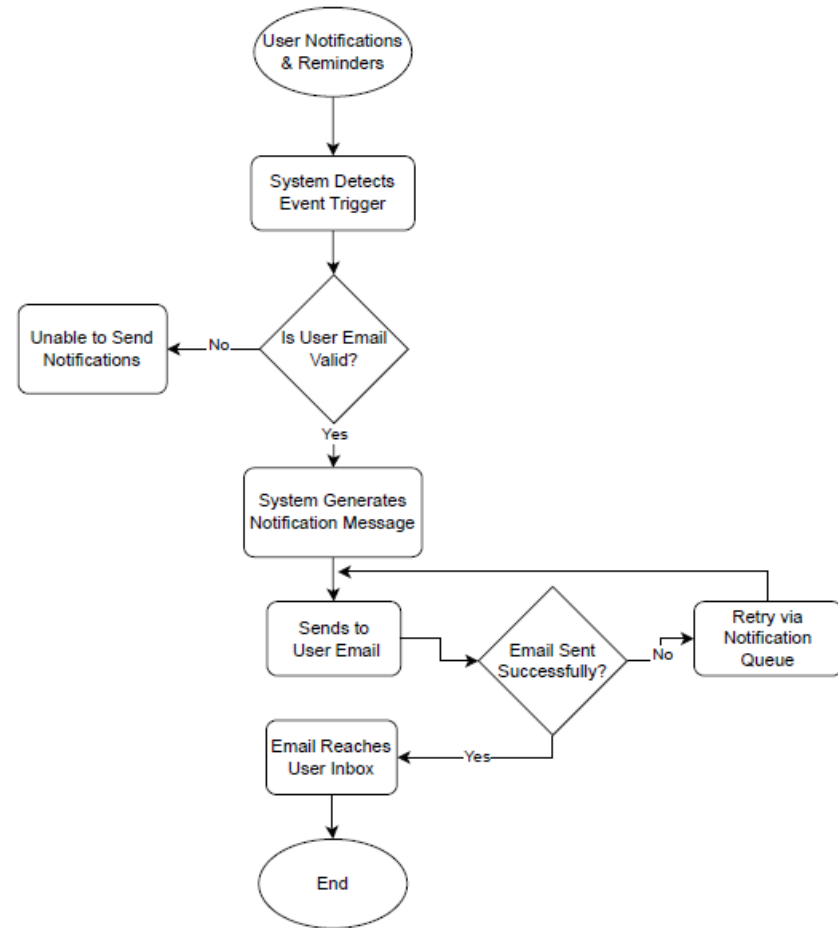
FR5.0



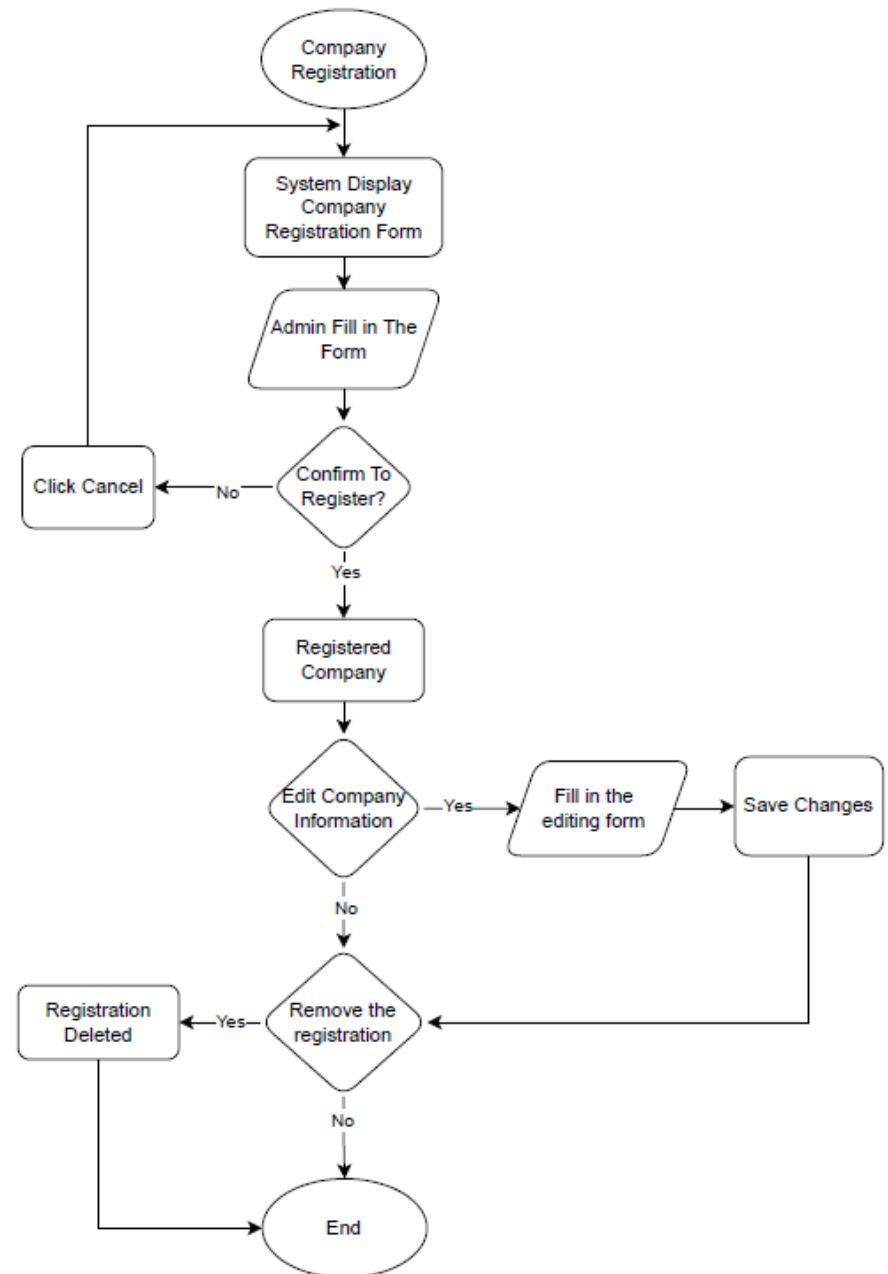
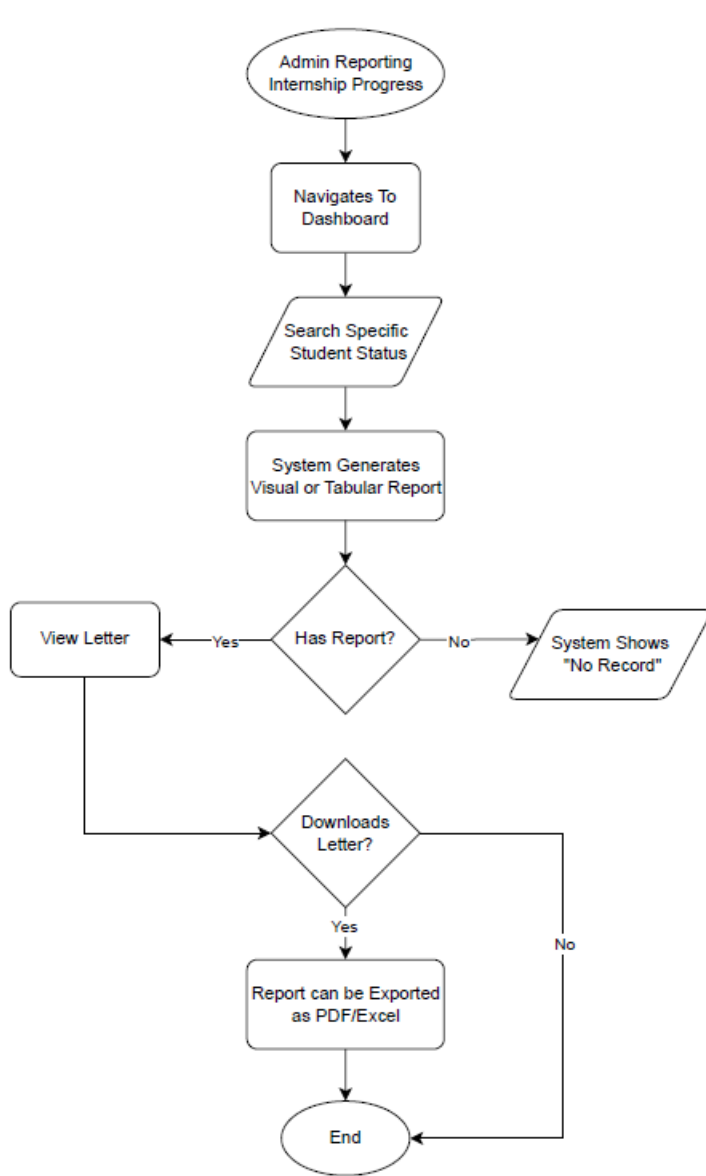
FR7.0



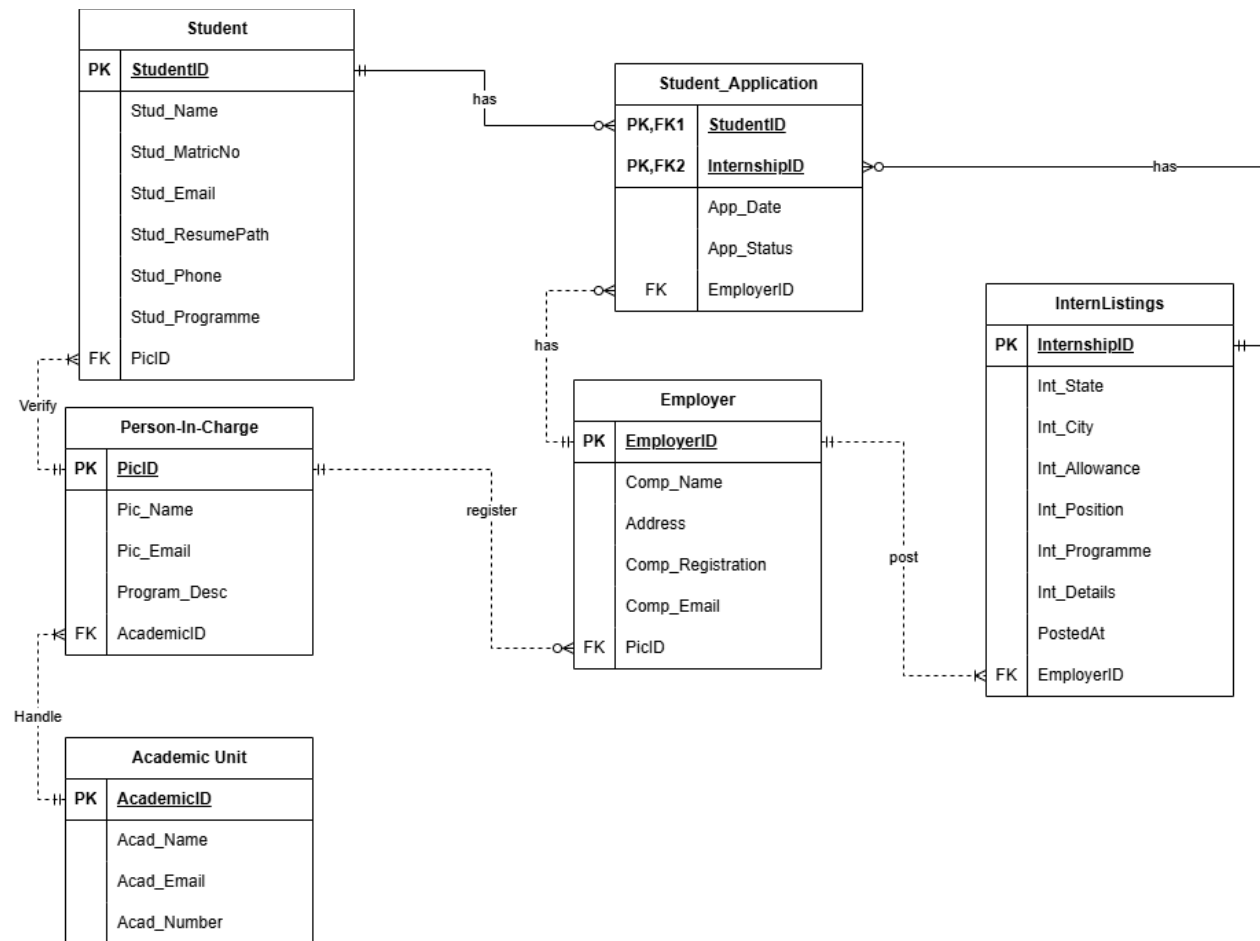
FR6.0



Admin
FR8.0



3.0 PHYSICAL ERD



4.0 DATA DICTIONARY

Academic Unit

Field Name	Data Type	Field Length	Constraint	Description
AcademicID	int	-	Primary key	Unique ID for academic staff
Acad_Name	varchar	100		Name of the academic staff
Acad_Email	varchar	100		Email address of the academic staff
Acad_Number	varchar	20		Contact number of the academic staff

Employer

Field Name	Data Type	Field Length	Constraint	Description
EmployerID	int	-	Primary key	Unique ID for the employer (auto-generated)
Comp_Name	varchar	100		Company name
Comp_Registration	varchar	50		Company registration number
PicID	int	-	Foreign Key	Foreign key to Person In-Charge (PIC)
Address	text	-		Company address
Comp_Email	varchar	100		Employer email address

Internship Listings

Field Name	Data Type	Field Length	Constraint	Description
InternshipID	int	-	Primary key	Unique ID for internship record
Int_State	varchar	100		Location of the internship
Int_City	varchar	100		Duration of the internship
Int_Allowance	decimal	100		Student Allowance
Int_Position	varchar	10,2		Position offered during the internship
Int_Programme	text	-		Program related to the internship
Int_Details	text	-		Detailed description of the internship
EmployerID	int	-	Foreign key	Linked employer ID
PostedAt	date	-		Date of listings posted

Person In-Charge (PIC)

Field Name	Data Type	Field Length	Constraint	Description
PicID	int	-	Primary key	Unique ID for PIC
Pic_Name	varchar	100		Full name of PIC
Pic_Email	varchar	100		Email address of PIC
Program_Desc	text	-		Description of the program managed by PIC
AcademicID	int	-	Foreign key	Unique ID for academic staff

Student

Field Name	Data Type	Field Length	Constraint	Description
StudentID	int	-	Primary key	Unique ID for the student
Stud_Name	varchar	100		Full name of the student
Stud_MatricNo	varchar	50		Student matriculation number
Stud_Email	varchar	100		Student email address
Stud_ResumePath	varchar	255		Resume or CV of the student
Student_Programme	varchar	100		Student programme
PicID	int	-	Foreign key	Linked PIC ID
Stud_Phone	varchar	30		Student Phone Number

Student Application

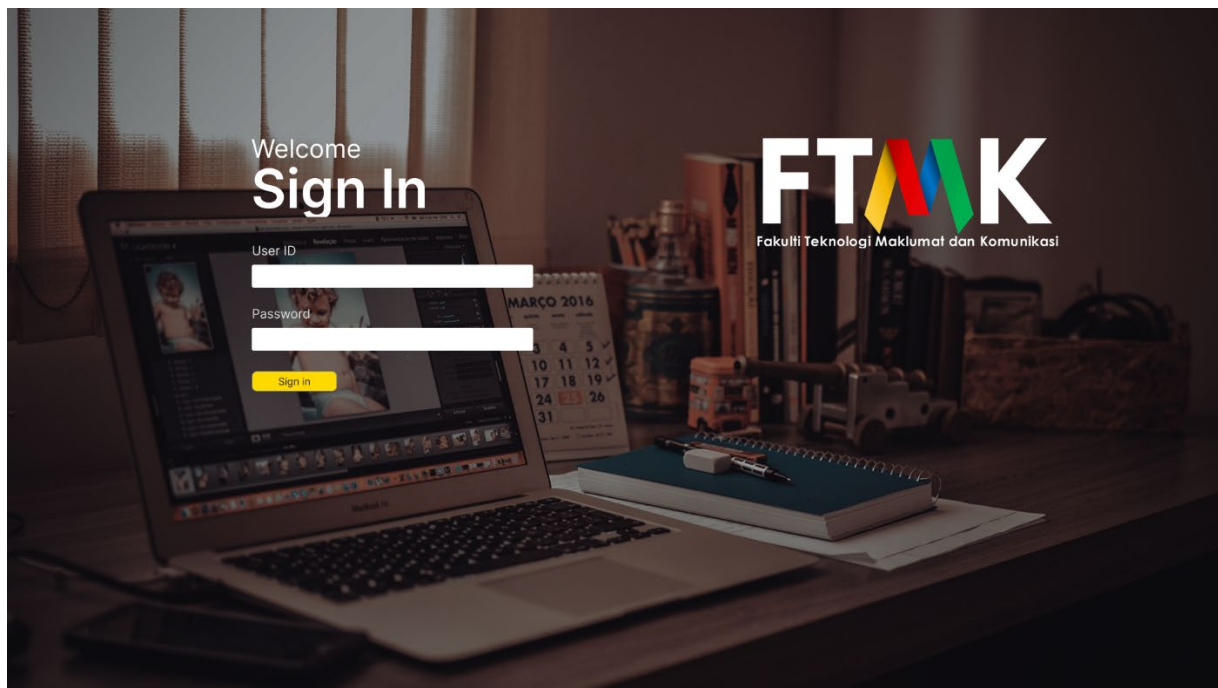
Field Name	Data Type	Field Length	Constraint	Description
StudentID	int	-	Primary key	Linked student ID
InternshipID	int	-	Primary key	Linked internship ID
App_Date	date	-		Date of application submission
App_Status	varchar	50		Status of the application (e.g., Pending, Approved)
EmployerID	int	-	Foreign key	Linked employer ID

5.0 USER INTERFACE DESIGN

(Student only)



(Log in)



Academic Unit



Fakulti Teknologi Maklumat dan Komunikasi

Registration

Username [Log Out](#)

Person-in-Charge Registration

GENERALS

Email

Staff ID

Programme

Select a Programme

Password

Re-enter Password


Cancel

Save Information

Person-in-Charge Info Section

No	Staff ID	Email	
1	UTEM2023105	noraini@utem.edu.my	<div>Edit</div> <div>Remove</div>

Admin




Fakulti Teknologi Maklumat dan Komunikasi


[Profile](#) [Data Collection](#) [Student Identification](#) [Company Registration](#) [Username](#) [Log Out](#)

InTechShip Admin


Dashboard



170
Students



90
Students Applied



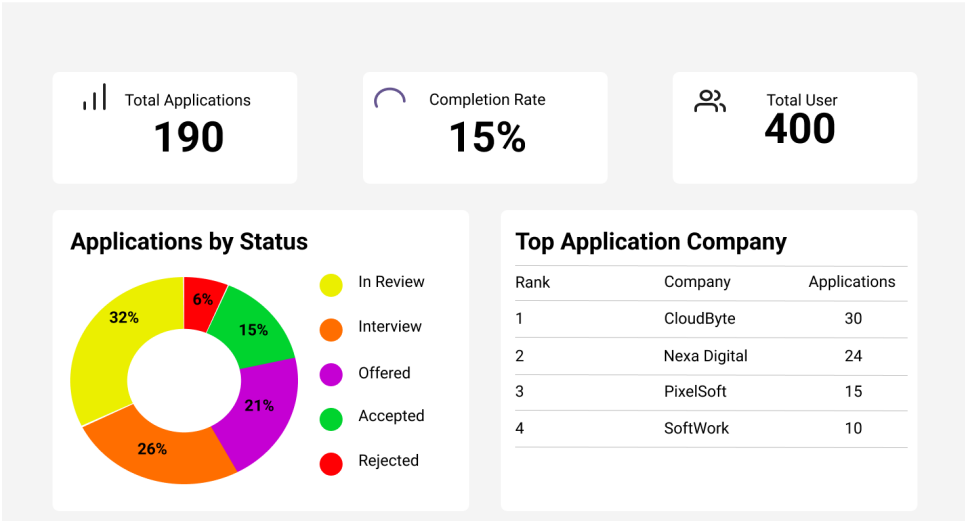
30
Successful

Students Status

Name

Name	Position Applied	Company	Date	Status	Letter
Aisyah	Web Developer	TechNova	03/04/2024	In Review	No record
Danial	IT Support	CloudByte	13/04/2024	Offered	Download
Lee	UI Design	PixelSoft	14/04/2024	Completed	Download
Faris	Developer	Appsmith Co.	03/04/2024	Offered	Download

Analytics



Top Application Company

Rank	Company	Applications
1	CloudByte	30
2	Nexa Digital	24
3	PixelSoft	15
4	SoftWork	10

Dashboard

All Students Pending Verified

Matric Number

Find

Student Name	Matric Number	Status	Apply Date	Action
<input type="checkbox"/> John Doe	B032410763	Pending	26/04/2024	View
<input type="checkbox"/> Jane Doe	B032110278	Verified	17/04/2024	View
<input type="checkbox"/> Alan Smith	D032310171	Verified	13/04/2024	View
<input type="checkbox"/> David Martinez	D032310012	Failed	08/04/2024	View
<input type="checkbox"/> John Hamm	D032310782	Verified	03/04/2024	View

Company Registration

Cancel

Register

Company Name

Company Registration No

Username

Address

District

State

Zip Code


Password

Re-enter Password

Company Info Section

No	Company Name	Address	Username	Company Registration No	
1	ByteForge Sdn. Bhd	Level 10, Menara Techno, Jalan Teknokrat 3, 63000 Cyberjaya, Selangor	byteforge_hr	202101234567 (1234567-X)	<div>Edit</div> <div>Remove</div>

Student



[Profile](#)
[Internship Search](#)
[Progress Status](#)
[Username](#)
[Log Out](#)

Resume

Upload your resume to create and strengthen your profile.

Upload

Skills

Add your skills to make your profile more valuable.

Add Skills

1. Quick to adapt

2. Expert in UI

Job Preferences

Preferred Location

Save

Saved Location

1. Hulu Langat, Selangor

2. Seremban, Negeri Sembilan

Preferred Allowance / Salary

500

Monthly

Save

Edit

FTWK

Fakulti Teknologi Maklumat dan Komunikasi

Profile

Internship Search

Progress Status

Username

Log Out

Job Title, or Keyword

Q

Degree

Diploma

Degree

Courses

Bachelor in Computer Science (Computer Networking)

Bachelor in Computer Science (Database Management)

Bachelor in Computer Science (Computer Security)

Location

Johor

Melaka

Terengganu

Selangor

Pahang

Select Area

Skudai

Muar

Segamat

Johor Bahru

Batu Pahat

Industry

Other

Maintenance

Information Technology

Software Engineering

Administrative

IT Support Intern

TechSys Solutions

Open for students from Bachelor in Computer Science(Computer Networking)/Bachelor of Computer Science (Software Development)

Description

Provide technical support to users (hardware & software)

Assist in troubleshooting PCs, printers, and network issues

Skudai,Johor

Duration: 3 - 6 months

MYR 800 - 1,000 / month

Apply

Graphic Designer Intern

PixelCraft Creative Studio

Open for students from Bachelor of Computer Science (Interactive Media)/ Bachelor of Information Technology (Information Systems)

Description

Create social media graphics, posters, and UI mockups

Work closely with UI/UX and marketing teams

Skudai,Johor

Duration: 3 - 6 months

MYR 800 - 1,000 / month

Apply

FTWK

Fakulti Teknologi Maklumat dan Komunikasi

Profile

Internship Search

Progress Status

Username

Log Out

Notes:

Submitted

Offered

In Review

Accepted

Interview

Rejected

Application Progress

Application

In Review

Interview


Offer letter

Completed

Updates

No	Position Applied	Date Submitted	Location	Status	Internship offer
1	Data Analyst Intern	26/03/2025	Butterworth, Penang	In Review	No record yet
2	Digital Marketing	27/03/2025	Kulai, Johor	Submitted	No record yet

Employer



Fakulti Teknologi Maklumat dan Komunikasi

[Post Listing](#)[Job Posting](#)[Application Management](#)

Username [Log Out](#)

Post Listing


Software Engineering Intern (Rolling Intake)

Razer Malaysia
Shah Alam, Selangor
Diploma
1 week ago

APPLICATION AVAILABLE

⋮

EditDelete



Fakulti Teknologi Maklumat dan Komunikasi

[Post Listing](#)[Job Posting](#)[Application Management](#)

Username [Log Out](#)

Post Listing

Software Engineering Intern (Rolling Intake)

Razer Malaysia
Shah Alam, Selangor
Diploma
1 week ago

APPLICATION AVAILABLE

⋮

EditDelete

Post Listing

Software Engineering Intern (Rolling Intake)

Razer Malaysia
Shah Alam, Selangor
Diploma
1 week ago

APPLICATION AVAILABLE

Edit

Delete

Figma link : [Figma Design](#)