

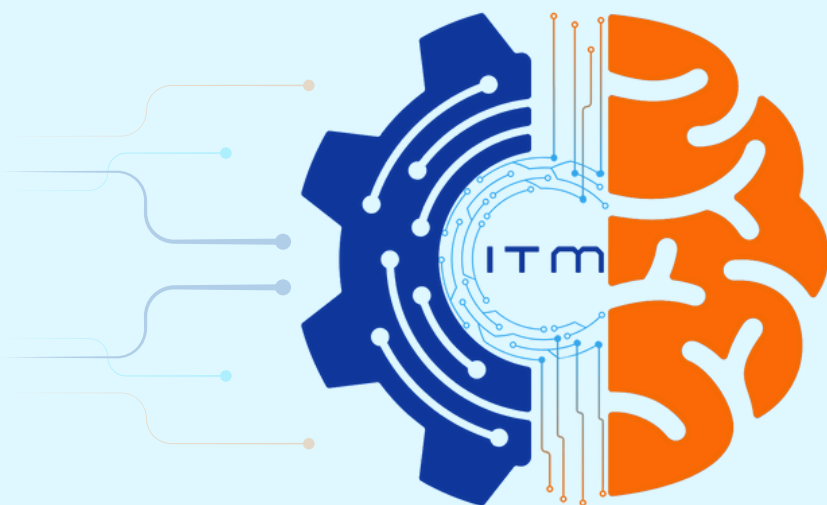
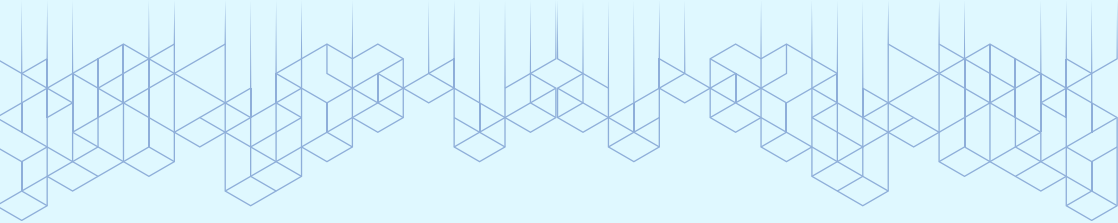


Duhok Polytechnic University
Technical College of Administration
Information Technology Management Dep.



SOFTWARE EXPO
2025





ITM SOFTWARE EXPO 2025

EXPO COMMITTEE

Dr. Azar Abid Salih / *Head of Committee*

Dr. Nareen O. M. Salim

Mr. Bilind Mustafa Salih

Mr. Mizgeen Fakhre

BOOKLET DESIGN

Mr. Bilind Mustafa Salih

BOOKLET PREPARED BY

Dr. Azar Abid Salih

HEAD OF ITM DEPARTMENT

Dr. Azar Abid Salih

PhD. Artificial Intelligence

ACKNOWLEDGEMENT

We would like to express our deepest appreciation to everyone who supported and encouraged us in making the Second ITM Software Expo 2025 a success.

A special thanks to the President of Duhok Polytechnic University, Prof. Dr. Aree Adel, for her invaluable support in the success of this exhibition.

We also extend our sincere gratitude to the Dean of the Technical College of Administration, Asst. Prof. Dr. Nawzad Rajab Zubair, and to the Head of the Information Technology Management Department, Dr. Azar Abid Salih, for their continuous guidance, support, and encouragement.

DUHOK POLYTECHNIC UNIVERSITY

Duhok Polytechnic University (informally known as DPU) is a collegiate research institution situated in the Kurdistan Region of Iraq. As the Kurdistan Region undergoes rapid development, there has been a continuous evolution in its educational requirements to meet the needs of its society. Over the past decade, both higher education enrollments and the number of educational institutions has seen significant expansion.

Operating as a public multi-campus university, DPU comprises six technical institutes and five technical colleges spread across six districts within Duhok Governorate. Each of these campuses caters to a distinct community with unique requirements pertaining to technology, health, engineering, manufacturing, administration, agriculture, accounting, and other related fields.

Established in 2012, Duhok Polytechnic University is one of the three polytechnic universities in Kurdistan under the supervision of the Ministry of Higher Education and Scientific Research of the Kurdistan Regional Government (KRG). Its origins trace back to the oldest educational institution in Duhok Governorate, founded in 1988, with more than 55,000 graduates since its inception.

Admission to DPU is based on high school scores, with classes commencing in late September and concluding at the end of June. The university offers a diverse array of curricula leading to Diplomas (Associate Degrees), Bachelor of Science Degrees, Master's, and PhDs. Course syllabi are meticulously developed under the guidance of the Quality Assurance department.

New programs are introduced only after the acquisition of necessary staff, space, facilities, and equipment. These programs are meticulously designed to align with governmental strategies and meet market demands. Currently, DPU is in the process of formulating a strategic plan in response to national assessment authorities and international academic accreditation standards. This underscores its commitment to academic excellence.

Furthermore, DPU actively fosters relationships with international universities through Memorandums of Understanding (MOUs), with several such agreements already in place and functioning effectively.

INFORMATION TECHNOLOGY MANAGEMENT

Established in 2013, the Information Technology Management (ITM) Department aims to prepare specialists prepared with the necessary skills to manage information systems and take on responsibilities across various administrative sectors. Graduates of the department are proficient in programming and are capable of developing applications and systems that support electronic processes. The ITM Department offers a diverse range of academic programs, including Bachelor's, Master's, and PhD degrees. Currently, the department includes 19 Master's students and 10 PhD students.

MISSION

The Information Technology Management Department at DPU University provides and cultivates an ever-evolving, reliable, innovative, integrated, and service-oriented information technology environment. Our mission is to empower, enhance, and engage the academic, support, and research activities of the University by delivering effective IT products and services. Providing the new graduates with scientific fundamentals that help them to be specialized in the field of programming and IT.

VISION

The ITM Department envisions leading with excellence by delivering cutting-edge solutions to create a transformative IT environment, ensuring secure, seamless, and ubiquitous access to information resources. The department aims to build a strong scientific foundation in IT and programming, aligning with technological advancements. Additionally, it strives to empower students with entrepreneurial competitiveness through innovation and skill development.

THEME OF EXPO

The ITM exhibition includes the following main themes.

1. Database and information management systems
2. Design and development of websites for various sectors of society
3. Mobile application development for different community needs (iOS & Android)
4. Integration of AI technologies into practical software solutions

OBJECTIVES OF THE EXPO

1. To encourage students with outstanding skills in software and application development by providing a platform to showcase their work and attract attention from government bodies and specialized organizations.
2. To highlight the use of smartphone applications and their role in improving modern life.
3. To focus on the latest emerging technologies in the field of computing through lectures and discussions for interested participants.
4. To promote healthy competition among students and inspire innovation.
5. To foster the exchange of ideas and collaboration among students in the IT field, helping them contribute more effectively to society.
6. To support and promote the adoption of electronic management systems.

OVERVIEW OF THE 20 GRADUATION PROJECTS FEATURED IN THE EXPO.

The exhibition will showcase BSc student graduation projects implemented across a variety of sectors, including social services, agriculture, basic education, higher education, finance and accounting, health, psychology, transportation, nutrition, lifestyle, industry e-services, technology services, and more.

DATE, TIME AND VENUE

- Date : Sunday , 27 April 2025
- Venue : Technical College of Administration,
Duhok Polytechnic University, Duhok, Kurdistan Region, Iraq.
- Time : 10:00 am - 02:00 pm.

DUHOK AUTISM CARE APPLICATION

ئەپلىكەيشنا چاقدىريا ئۆتىزما دھۆكى



ABSTRACT

Is an application that empowers autistic children with interactive games and educational videos to build communication, and emotional skills. It also offers progress updates and personalized goals for parents, teachers, and therapists, fostering a secure and inclusive environment that celebrates each child's unique journey.

DEVELOPER'S

MOHAMMED JALAL ALI
MOHAMMED RASHEED BURHAN



SUPERVISED BY:

DR. AZAR ABID SALIH



NUTRITIONAL AI MOBILE APPLICATION (NUTRAI APP)

تھلیکھیشنا خوارنیں ساخلم ب زیره کیا ده سترد



ABSTRACT

This cross-platform nutrition app, built with React Native, supports iOS, Android, and web. It includes calorie tracking, meal planning, grocery lists, activity tracking, recipe generation, and AI-powered meal suggestions. Vision models analyze food ingredients, and external APIs deliver real-time data for personalized recommendations.



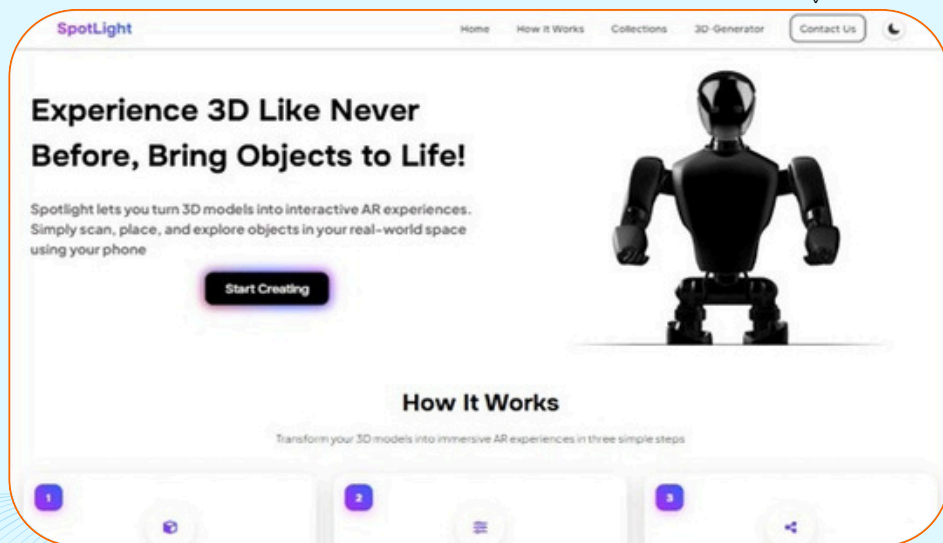
DEVELOPER'S
SAFA RASHID TAHA
SALAH HASAN ALI



SUPERVISED BY:
DR. AZAR ABID SALIH

SPOTLIGHT: AR EXPERIENCES & AI-GENERATED 3D MODELS

سپوتلایت. ئەزموون دراستیا زێدەکەری (AR) دا و
مودێلێن (3D) ڕەهەند یێن ب زیرەکیا دەستکرد ئافرانیدی



ABSTRACT

Our platform offers high-quality 3D modeling, AI-powered 3D object generation, and engaging augmented reality experiences all in one place. We craft our 3D objects using industry-standard tools like 3ds Max and Corona Render, and you can view them in AR on Android, iOS, and Windows devices. Additionally, you can generate custom 3D models from image, making it easy to bring your creative ideas to life.



DEVELOPERS
SIDAD NAJI MOHAMMEDALI
RAMADHAN MARTH ISSA
MILLAT HAKEM MIRZA



SUPERVISED BY:
MS. LOZAN M. ABDULRAHMAN



GASHBIN CANCER LINE APP

تھپلیکھیشنا گھشین یا هیلا شیرپہنجی



ABSTRACT

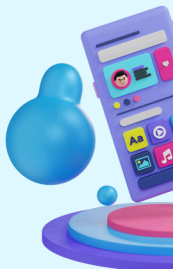
Welcome to the Gashbin Cancer Line, is an Android app designed to simplify communication between cancer patients and healthcare providers. Patients can receive medical reminders, access personalized care plans, and follow dietary programs, while doctors can manage patient information and send notifications. This app enhances the overall healthcare experience, ensuring patients stay informed and on top of their treatment.

DEVELOPER'S

PEYAM GHAZI TAHIR
VIYAN HUSNI ALI
ZIRAK ALYAS ABOZET

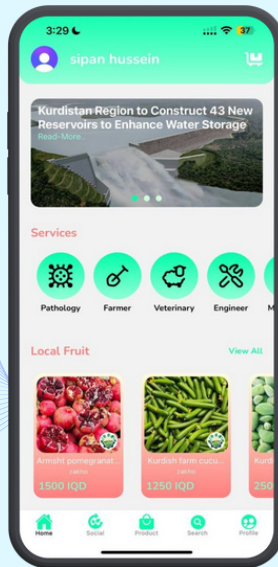
SUPERVISED BY:

MS. HAYFAA SUBHI MALALLAH



DPU LOCAL FARMING PRODUCTS APP. (DPU XOMALI APP)

ئەپلىكەيشنا بەرھەمىن چاندنىڭ يېڭى خومالى



ABSTRACT

Local farming products is a digital platform aimed at modernizing agriculture in Kurdistan by offering a marketplace for Kurdish local farming products, access to skilled agricultural professionals, and affordable machinery rentals, Supporting productivity and sustainable farming.

DEVELOPER'S

SIPAN HUSSEIN MUSTAFA
HAMDI ABDULRAHMAN



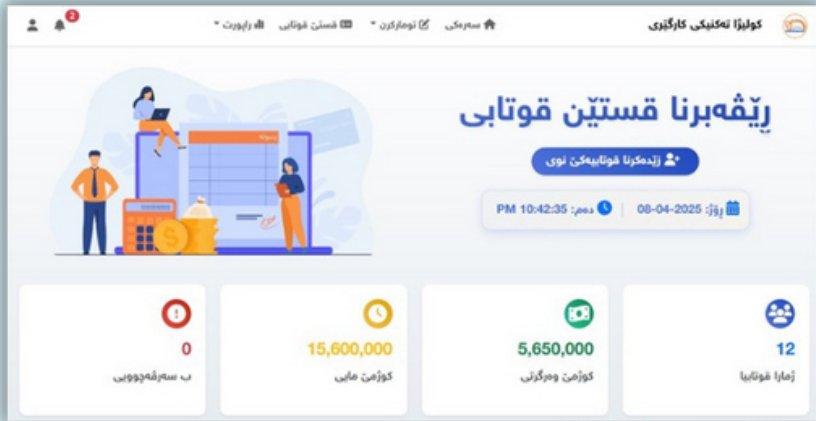
SUPERVISED BY:

MS.NASIBA M. ABDULKAREEM



TCA STUDENT INSTALLMENT APPLICATION

سیستمی ریٹھبرنا قستین قوتابیئن کولیژا تھکنیکی کارگیڑی



ABSTRACT

This project develops a student installment payment system for easy tracking and management. Students can view schedules, make payments, and get reminders, while administrators monitor records. The system improves transparency and efficiency with a user-friendly design.



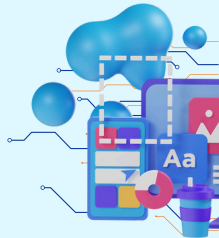
DEVELOPER'S

ROJHAT MAMMON
AMMAR SALMAN
HANNAH RAED



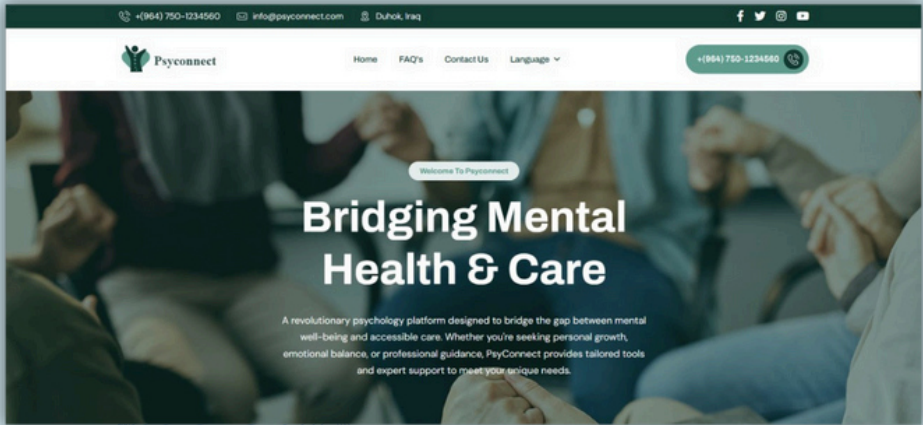
SUPERVISED BY:

DR. NAREEN O. M. SALIM



PSYCONNECT SYSTEM

دەروەن نیت سیستم



ABSTRACT

PsyConnect aims to simplify and digitize mental health practice management. It offers features such as Online Appointment Scheduling System, Therapy Types, Appointment Options, Session Duration, Multilingual Support - English and Kurdis, FAQ section, Appointment Rescheduling, Licensed Professionals, Confidentiality Protection, Working Hours, Appointment Costs, Feedback System.

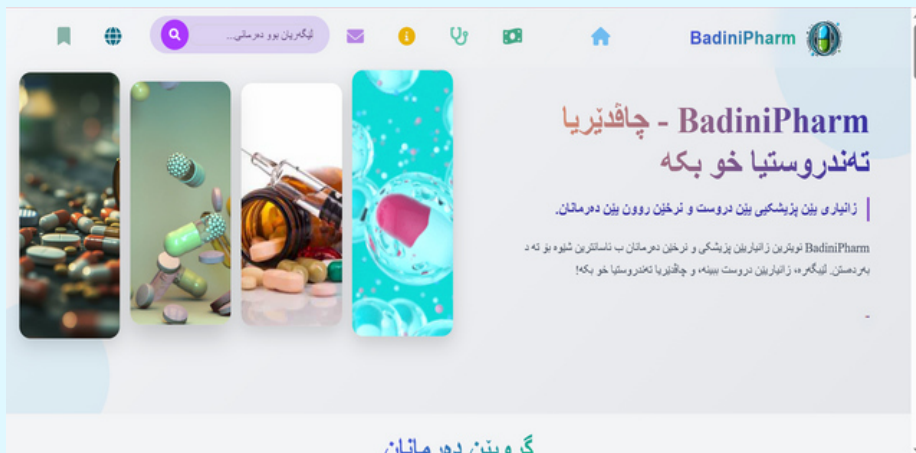


DEVELOPER'S
ROZAN NZAR
LANA SHAHEEN
SIDRA SAAD



SUPERVISED BY:
MS. AWAZ N. SALEEM





ABSTRACT

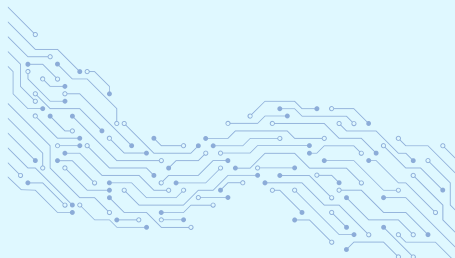
BadiniPharm is a multilingual medical information platform that provides accurate details about medicines, diseases, and their prices. With a user-friendly interface, it ensures easy access to trusted healthcare insights in Kurdish Badini dialect, Arabic, and English. The platform aims to enhance public awareness by offering transparent pricing and reliable medical knowledge, helping users make informed health decisions effortlessly.



DEVELOPER'S
MIDYA HASHIM
MIDYA ISMAT



SUPERVISED BY:
MR. OMER MOHAMMED SALIH





ABSTRACT

Our project is a website that helps automate and computerize the registration process and the necessary medical examinations for enrolling students in the first grade of primary school. It also aims to strengthen the connection between the Ministry of Education and the Ministry of Health.

DEVELOPER'S
RIZGAR YOUNIS ALI
RASAN IHSAN TAMR
RABIH ZIYAD NABI

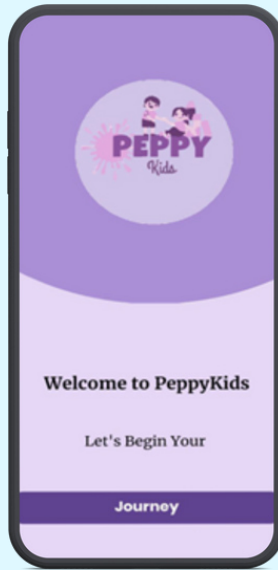


SUPERVISED BY:
DR. NAREEN O. M. SALIM



DUHOK PEPPY KIDS MOBILE APPLICATION

باخچیں Peppy Kids یں زاروکا



ABSTRACT

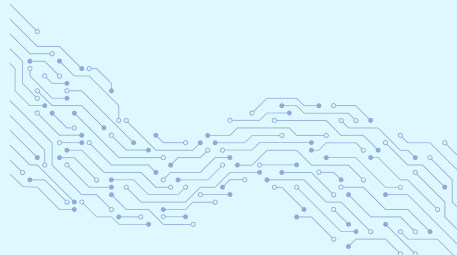
This project presents a Kindergarten Diary Mobile Application developed in Android Studio using Java to enhance communication between parents and teachers. The app includes a diary for logging daily activities, a messaging feature for direct communication, a calendar for scheduling events, and a gallery for sharing classroom moments. By replacing traditional messaging apps, this platform provides a structured, efficient, and engaging communication system tailored for kindergarten needs.



DEVELOPER'S
PAYVIN ABDULRAZZAQ
ISRA SAFAR

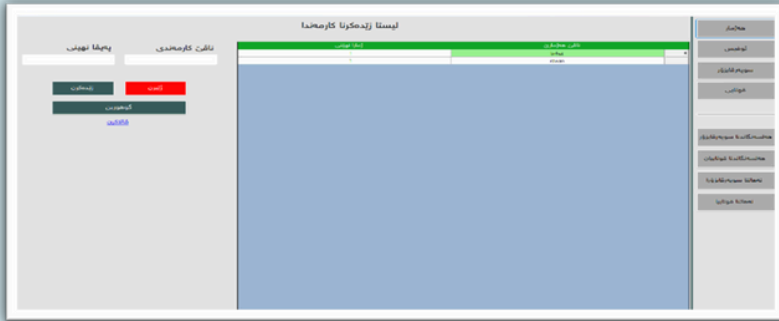


SUPERVISED BY:
DR.SHREEN SALIM



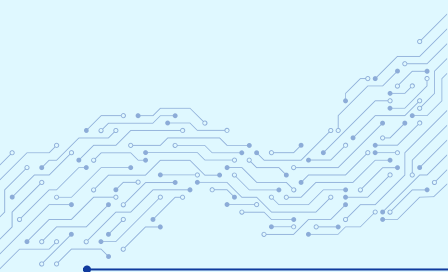
TCA SUMMER TRAINING STUDENTS TRACKING

چافڈیریا مہشقا ہافینس یا قوتابین کولیرا تہکنیکی کارگیری



ABSTRACT

A smart system designed for supervisors to track students' summer training. It allows adding government offices, trainers, and supervisors, who can then input student details and rate their performance. The platform ensures organized, accurate, and efficient tracking throughout the training period.



DEVELOPER'S
RDWAN IHSAN
MUHAMMED SAEED
ABDULAZIZ ISSA

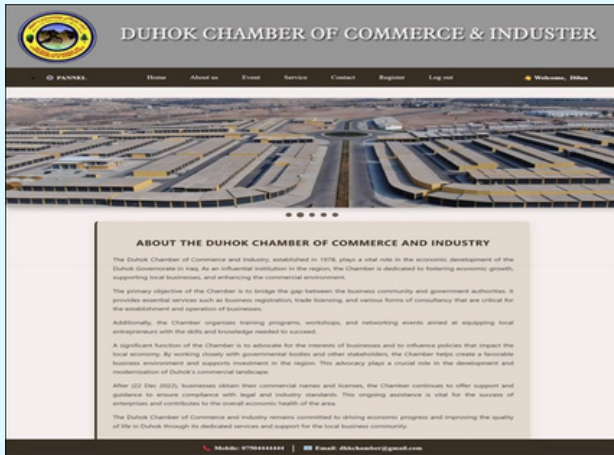


SUPERVISED BY:
MR. OMER MOHAMMED SALIH



E-SERVICES OF THE DUHOK CHAMBER OF COMMERCE AND INDUSTRY

خزمەتەکانی ئەلکترۆنی یان ژوورا بازرگانی و پیشەسازی - دهۆک



ABSTRACT

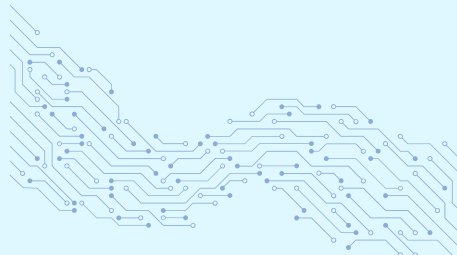
The Duhok Chamber of Commerce and Industry website simplifies business services, enabling online renewals and document requests with approving feature, customer feedback service, printing new membership card, extracting full database data as an Excel file, bank payment feature and 24 hours availability.



DEVELOPER'S
DILAN ABDULILAH
SAMYA MAJEED
KEVI SHEMDIN

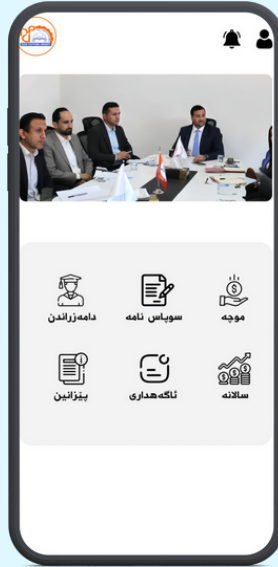


SUPERVISED BY:
DR. SHREEN SELIM



TCA STAFF MANAGEMENT SYSTEM

سیستمی ریقبہرنا ستافی کولیژا تہ کنیکی کارگیری



ABSTRACT

The main objective of this project is designed for college staff to communicate with the manager. Employees can view their degrees, positions, salaries, and submit complaints. Managers can reply and manage staff data. The app uses secure logins.

DEVELOPER'S
DARFAT NAZIR SDQI
ALND HASSAN ABDULLAH
SALIM RASHEED MOHAMMED



SUPERVISED BY:
MR. ZIYAD HAZEEM ABDULJABAR



ITM TECH XIZMET - HELPDESK SYSTEM

ITM بو خزمه‌تین ته‌کنه‌لوجی

DPU tech Xizmet					
All Tickets 6 Startend 3 in progress 3 Completed 0					
Search items					
Title	Type	Statut	Location	created	created by
Laptope min areshak ya hay	IT	in progress	Malta	April 7, 2025 9:41 AM	Disher Mohammed
Change laptop	IT		Grebase	April 11, 2025 1:30 AM	Disher Mohammed
test delsher	order	startend	Malta	April 15, 2025 2:20 AM	Disher Mohammed
door	technicalservice		Masik	April 15, 2025 3:40 AM	Disher Mohammed
Laptop keyboard	IT	Completed	Masik	April 7, 2025 1:15 AM	Kahin Abdallah
Duhok	technical service	Completed	Grebase	April 7, 2025 1:48 AM	Disher Mohammed
ev tiket bo it	IT	in progress	Malta	April 7, 2025 2:02 AM	Disher Mohammed
laptop problem	IT		Grebase	April 15, 2025 3:30 AM	Disher Mohammed

ABSTRACT

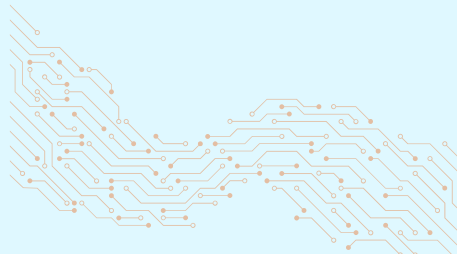
is a digital ticketing system built with Power Apps and SharePoint, it allows users to submit, track, and manage IT support requests efficiently, Key features include real-time status updates, priority tagging, and multilingual support, the system improves communication, speeds up issue resolution, and enhances service transparency.

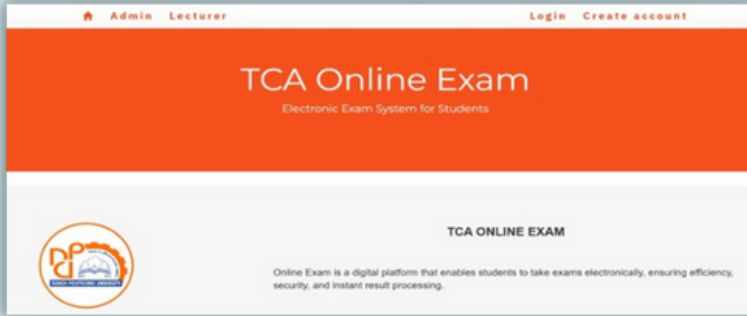


DEVELOPER'S
DLSHER MOHAMMED
BAWAR ALI
MUHAMMAD TUWFIQ



SUPERVISED BY:
MR. KARWAN JAMIL ADBULRAHMAN





ABSTRACT

This project is a web-based TCA Online Exam, designed to simplify and digitize educational exams. It includes four main modules: Admin, Lecturer, Create Account, and Login. Admins manage lecturer accounts, while lecturers handle exams and results. Students can create accounts, log in to take their exams, which include both multiple-choice questions and written answers.

DEVELOPER'S
KAMAL QASIM ALI
HAJEN TAYAR
MARYAM ABDULHAKIM



SUPERVISED BY:
MR. KARWAN JAMEEL ABDULRAHMAN



PRIVATE SCHOOLS MANAGEMENT SYSTEM

سیستمی ریقہ برنا قوتا بخانیٹ تاییت



ABSTRACT

The Private School Administration System is an all-in-one digital platform designed to streamline school operations. It includes modules for student, teacher, and employee registration, ensuring organized record-keeping and role management. The system features a reporting module for generating academic, attendance, and financial reports. It also supports loan tracking, income management, and a warehouse system for managing school inventory and supplies.



DEVELOPER'S

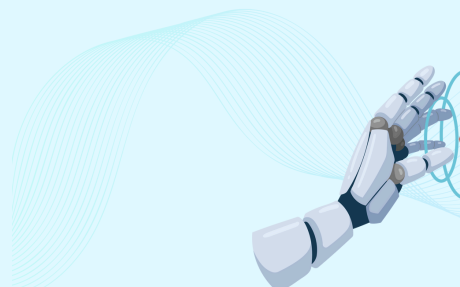
ROJHAT AZAD BSHAR

BIRHAT MUSTAFA SLEMAN



SUPERVISED BY:

DR. MUHAMMAD ABDULRAZAQ M.SADEEQ



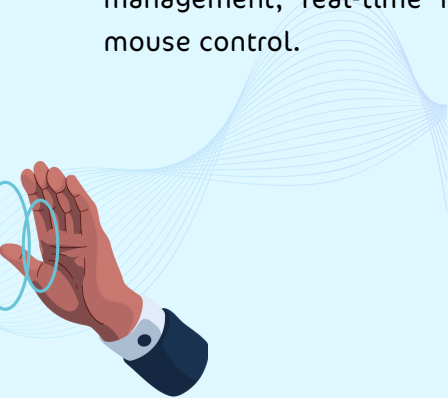
INTELLIGENT RESPONSIVE ASSISTANT (IRA APPLICATION)

ھاریکاری بہر سقدھری زیرہک



ABSTRACT

IRA is an intelligent voice assistant that integrates voice commands, facial authentication, and AI-driven automation to streamline system control and web interactions. Built using Python, SQLite, and Eel for the GUI, it supports features like WhatsApp messaging, application management, real-time news/weather updates, and gesture-based mouse control.

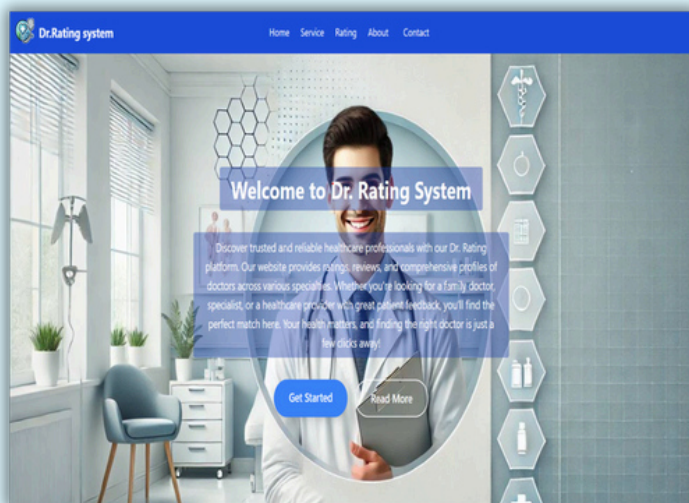


DEVELOPER'S
NADIA WAHID FAREEQ



SUPERVISED BY:
MS. NASRIN LUQMAN





ABSTRACT

The Doctor Rating System is a web-based or mobile application designed to help patients make informed decisions when choosing healthcare providers. The system allows users to search for doctors based on specialty, location, and patient reviews. Patients can rate doctors based on various factors such as expertise, communication skills, wait time, and overall experience.



DEVELOPER'S

ZHIYAN SHAWKAT SIDQY

AWAZ YOUNIS MOSTAFA

ZAYNAB MOHAMMED SALIH

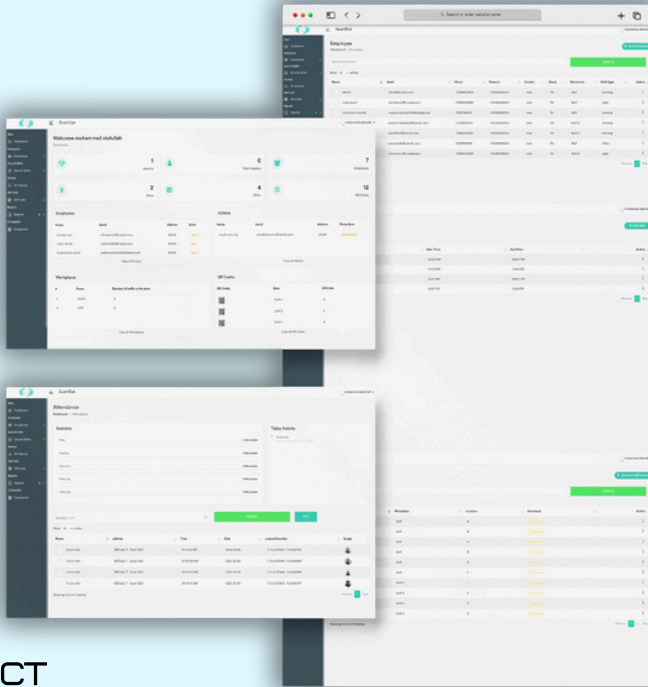


SUPERVISED BY:

DR. SALIM AL-ALI

KRD GUARDEYE APPLICATION

نەپلیکەیشنا کورد یا چاقدیری



ABSTRACT

Guard Eye is an advanced security solution by BM SOFTWARE that replaces outdated manual supervision methods with a modern QR Code-Based system. By scanning QR codes at specific checkpoints, security guards verify their presence and complete assigned tasks, allowing supervisors to monitor operations in real time. This system increases reliability, reduces human error, and strengthens overall security management through smart, automated tracking.

POWERED BY
MOHAMMED ABDULLAH
BILIND MUSTAFA



SPORTIFY MOBILE APPLICATION

ٹھپلکھیشنا وھرزشی (سپورٹیفای)



ABSTRACT

Sportify - football field booking app

Sportify is an upcoming football field booking app designed to simplify the way players find and reserve fields. The app will allow users to book fields, create group chats, and receive notifications before game time. With location-based search, finding nearby fields will be quick and effortless. Field owners will have access to an admin dashboard to track bookings and manage availability. Development is currently in progress to bring a seamless football experience to Android and iOS soon!

DEVELOPER'S
NADYAR RIADH OMER
MIZGEEN FAKHRE



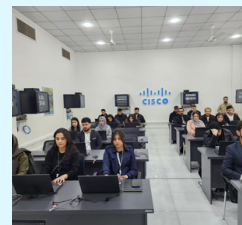
GRADUATION STUDENT



2015- 2016 TO 2023- 2024



ITM DEPARTMENT ACTIVITIES





**SOFTWARE EXPO
2025**



ITM SOFTWARE EXPO 2025