

# نماذج من المشاريع المتميزة لطلبة السنة النهائية



## VR School Learning (Lab)

### Objectives:

- ✓ Build a VR school environment that simulates a real-life school system.
- ✓ Improve the E-Learning Experience.
- ✓ Ability to do dangerous lab experiment that can't be done due to their risk.
- ✓ Avoid possible dangerous situations that might go wrong during and experiment.



### Beneficiaries:

- ✓ Students.
- ✓ Schools & Universities.

### Supervisors:

- ✓ Prof. Dr./ Mohammed Hussein.



## Nurse Robot

### Objective

- reduce the infection
- Records the patient's health data
- sterilize the hospital rooms
- patients medication

### Beneficiaries:

- Patients
- Hospitals

### Supervisors

Dr / Mohamed Hussein



## Ticket TakeIT

### Objectives

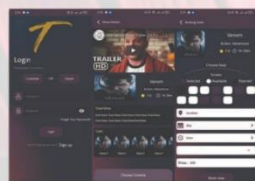
- Easy way to book tickets .
- Show details of movies, shows choose preferred seat
- Add movies and show (Owner)
- All that with only one click without any effort

### Beneficiaries

- Clients
- Cinema
- Theater

### Supervisors

- DR / Mohamed Hussein



## NETWORK And Informatio Security

### Objectives

- Resource Availability & Reliability
- Resource Sharing
- Performance Management
- Steamlined Collaboration & Communication

### Beneficiaries

- Organizations
- Companies

### Supervisors

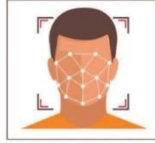
Dr. Emad Eldin Othman  
Eng. Nada Hosam



## Student Automated Attendance

### Objectives:

- ✓ **Saves time** – As a result of all the above benefits, the system saves the precious time of teachers.
- ✓ **Speed** – The digitized system allows marking attendance instantly from a mobile phone or laptop.
- ✓ **Data is secured**—An online attendance management system is more secure compared to the offline manual way.
- ✓ **Accuracy** – The data updated and maintained through a digitized attendance management system will have fewer errors and it improves the accuracy of the entire system.
- ✓ **Punctuality** – The digitized attendance system with its instant availability of reports to higher management, parents, and guardians.
- ✓ **Instant reports** – an attendance reports can be generated instantly by the administrators of the system.
- ✓ **Saves paper & storage** – there is no need to print the attendance registers and make copies of the reports to be stored at different offices. This saves paper wastage and requires less storage space.



### Beneficiaries:

- ✓ Students.
- ✓ Schools & Universities.
- ✓ Environment.

### Supervisors:

- ✓ Prof. Dr./ Abdellatif



## Search & Rescue Robot

### Objectives :

- Discover the disasters area
- Locate any survivors and report their location
- Perform Rescue operation In dangerous situations
- Reduce the loss of human

### Beneficiaries :

- Society
- Citizens

### Supervisors :

- DR / Mohammed Hussein



## Es3efny

### Objectives :

- Keeps the patient case followed up till its arrival at the hospital
- Doctor can monitor the patient's: Heart rate, Temperature, ECG.
- Create Simple system to be easy when user using
- Sending all updated data real time to the system

### Beneficiaries :

- Hospitals
- Ambulance Authority

### Supervisors :

- DR / Tarek Salah
- Mario Gergs



## DRINKING WATER QUALITY MONITORING SYSTEM USING IOT

### Objectives :

- Ensure the quality of drinking water at all times
- Ensure that drinking water reaches homes with the highest quality
- Preserving Egypt's water resources
- Use technology to develop human performance

### Beneficiaries :

- Irrigation Department
- citizens

### Supervisors :

- DR / Tarek Salah
- Omar El Gabry





# 3D printer Business system

## Objectives

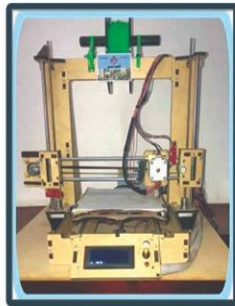
- Design and Implement 3D Printer.
- Remote accessing and control of 3D printer from anywhere
- Create a visualized model to enhance the learning experience.
- Less waste production.

## Beneficiaries :

- Clients
- Companies

## Supervisors :

- DR / Mohamed Hussein



# Ebitcoiner



## Cloud Mining System

## Objectives:

- ✓ Implementing easy and simple interface for users to control mining process
- ✓ Learn how to use specific Hardware components
- ✓ Use specific Hardware in cryptocurrency mining
- ✓ Help people to invest their money in cryptocurrency mining



## Beneficiaries:

- ✓ Investors
- ✓ Business owners



## Supervisors:

- ✓ Dr. Muhammed Mustafa
- ✓ Eng. Ahmed Safar



# Drilling Rig Control System

## Objectives :

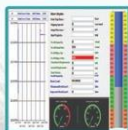
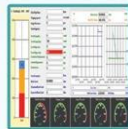
- Design and development a software for controlling the drilling Reg.
- The Rig control Software is an easy to use
- It is very flexible & customizable
- Database connectivity

## Beneficiaries :

- Petroleum companies

## Supervisors :

- Dr. Mohammed Hussein



# Automatic Attendance System

## Objectives :

- Provide an alternative system
- Accuracy Of Attendance
- Quick Implementation
- Create A Database

## Beneficiaries :

- Students
- University

## Supervisors :

- Dr. Mohammed Hussein





# Auto Assessment System



## Objectives:

- Achieving justice and accuracy in correction
- Reduce the time of correcting
- Confidentiality and Speed Advertising Results
- Lower cost
- Safety and comfort

## Beneficiaries:

- University
- Students

## Supervisors:

- Dr. Mohammed Mustafa



# Brain Tumor Classification

## Objectives

- Check if there is a tumor or not in the imported MRI
- Classify Tumor with accuracy 95%+
- Reduce the amount of time doctors spend on diagnosis.

## Beneficiaries

- Doctors
- Medical student
- Under supervision of
- Dr. Abd El Latif Hussein



# Electronic Conference Management System

## Objectives:

- facilitating the follow up of the conference process through web design
- create a system that allows the observer to easily download and view previous presentations
- Assistance in booking and paying online for the conference
- You can take a fast review about the instructors who attempt the scientific conference
- Fast acceptance for the booking
- All of these make it:
  - Save your time and effort that you can booking from home by the mob app
  - The registration process become easier
  - No long time to receive the acceptance



## Beneficiaries:

- Instructors
- Researchers
- Organizers

## Supervisors:

- Dr. Negr El Den Shawky



# Dynamic Search

To improve the way search results are displayed.

## beneficiaries

- Anyone who finds it difficult to search
- who wants to access comprehensive information about what they are looking for

## objective

- Less time and effort searching
- More comprehensive results
- Getting more than one results at the same time

## Sentiment analysis

### Objectives:

- knowing their customers' opinion about products
- Gather critical feedback about problems in released products
- Less biased review about products.
- Save Money and Time



### Beneficiaries:

- Customer
- Median (like: Amazon)



### Supervisors :

- Dr. Mohamed Mostafa

## اطلب صناعي

### Objectives:

- Speed is filling customers
- Provide jobs
- Provide services



### Beneficiaries:

- Customers
- Technicians

### Supervisors:

Dr.Emad Eldain Othman



## Ebitcoiner

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### Beneficiaries:

- ✓ Investors
- ✓ Business owners



### Supervisors:

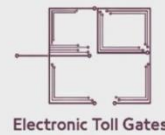
- ✓ Dr. Muhammed Mustafa
- ✓ Eng. Ahmed Safar



## Automatic Toll Gate

### Objectives:

- Reduce longer waiting time in a toll queue.
- Reduce illegal toll gate passing.
- Reduce the chance of traffic jams happening in toll gate location.



### Beneficiaries:

- Government.
- Citizens.

### Supervisors:

- Dr-Negm EL-Dien Shawky
- Eng. Ahmed Ali

