



**ملخص مشاريع التخرج  
لطلاب كلية الحاسبات والمعلومات  
جامعة أسيوط  
للعام الجامعي 2012 - 2013م**

IT	القسم
Network Traffic Monitoring	اسم المشروع
أ.د/ حسني محمد إبراهيم	المشرف
١ - إسماء عبدالرحيم حسين ٢ - خلود علي عوض ناصر	اسماء الطلاب
م/ علي حسين احمد	المعاونون

## نبذة عن المشروع

### **Network Traffic Monitoring**

This application is to check out the load at the server in network. The application gives us information on all the clients trying to access the server. You get information

Like the IP address, the port number and the time of the client trying to access the server. Application also gives us the total number of accesses by a client, also the number of accesses in each hourly interval. The application should give the total data size (in bits) of the data sent to the client. The MySQL server should be used for maintaining a database of the above details. The complete coding of the application is to be developed in Java language. A Graphical User interface is to be developed to display the output.

IS	القسم
Employment Directory	اسم المشروع
أ.د/ حسنى محمد ابراهيم	المشرف
١- كيرلس بشارة ساويرس ٢- مينا سيدهم مسعود ٣- ناجى موافق ناجى ٤- حليم لطفي حليم. ٥- ماركو ساويرس مهني	اسماء الطلاب
م/ على حسين احمد	المعاونون

## نبذة عن المشروع

### **Employment Directory**

it is required to build a web site for employment that matches between qualifications pf job seekers and companies requesting employment of different jobs. The siteis an interface for both job seeker and companies. Companies submit thir rquiment and job file and job requester. Provide thir cvs supported with documents. The site should smartly find the best matches between the two sides. MySql database should be used to store all data. The site should have registration form and user access developing should be done in java language.

القسم	IT&CS
اسم المشروع	Trash Collection using a Team of Mobile Robots
المشرف	د/ نجوى محمد عمر
أسماء الطلاب	١- أميرة السيد حلمي ٢- عبير عبد السميع محمد. ٣- علياء محمد محمد ربيع. ٤- لميس خليفة محمدي. ٥- هبة أحمد سعد ٦- يماني محمد عبدالمنعم
المعاونون	م/ مصطفى احمد قرشى - م/ ابرام كمال وليم

## نبذة عن المشروع

### **Trash Collection using a Team of Mobile Robots**

In this project, a group of mobile robots cooperate wirelessly and autonomously to gather specific items of trash and deposit them near wastebaskets. The robots must operate in an environment includes obstacles accordingly vision is used for robot navigation. The robots use color vision to find trash items, other robots and wastebaskets. Each robot is equipped with color cameras and a gripper for grasping trash. The project shows how simple individual primitive behaviors may be combined, sequenced and instantiated on several robots to yield a successful cooperating team.

القسم	IT&IS&CS
اسم المشروع	Vision-based Road Traffic Monitoring System
المشرف	د/ نجوى محمد عمر
أسماء الطلاب	<p>١- أحمد عيد إبراهيم.</p> <p>٢- عمرو عبد الحكيم فواز</p> <p>٣- زينب محمد سيد.</p> <p>٤- عبد السلام صاوي عبد السلام.</p> <p>٥- فاطمة رجب محمد</p>
المعاونون	م/ مصطفى احمد قرشى - م/ ابرام كمال وليم



## نبذة عن المشروع

### **Vision-based Road Traffic Monitoring System**

In this project, a system is developed to provide drivers with real time road conditions and alternative routes for bypassing congestion and long traffic jams. Vision is used to monitor and detect traffic congestion via analyzing color image sequences of traffic scenes recorded by stationary cameras. The system offers a set of functionalities suitable for different types of users. The information can be visualized on different devices such as PCs, mobile phones or PDAs

IS	القسم
<b>Content Based Image Retrieval based on color histogram and Wavelet Transform</b>	اسم المشروع
أ.د/ يوسف بسيوني مهدى	المشرف
١- أولفيا عاطف عجيب ٢- دميانة رشيد يعقوب ٣- كرستين ظريف فتحي ٤- مريانا مجدى زكريا ٥- محبه عباده نصيف ٦- نها سمير رمزى	أسماء الطلاب
	المعاونون

## **Content Based Image Retrieval based on color histogram and Wavelet Transform**

Content Based Image Retrieval (CBIR) is an emerging area of engineering application focusing on algorithms and methods to extract image features from a query image and retrieve similar images from large archives. It has found extensive application in medical imaging for both retrieval and automatic archiving.

This project presents a system for content-based image retrieval (CBIR) that provides the analysis of visual information using color and wavelet coefficients and similarity metrics.

القسم	IT
اسم المشروع	<b>Implementing Mobile Interface Based Voice Recognition System</b>
المشرف	أ.د/يوسف بسيوني مهدى
أسماء الطلاب	١- ريهام رزق الله نصيف ٢- ساره سامح حنا ٣- ماجى مرزوق اسرائيل ٤- مارينا هانى زارع ٥- مارينا سمير شوقى ٦- مارسيل مختار جاد ٧- مرنا ميلاد مكين عازر
المعاونون	م/ عبد الرحمن كامل صديق

## **Implementing Mobile Interface Based Voice Recognition System**

Recently, as supply of smart phone is widely spreading, various voice applications for user's convenience are under development. However, since Google Android-based smart phone delivered by Korean manufacturer processes voice recognition through Google server, it has a weakness to take long time to be processed and need activation of internet. This project implemented Android-based voice recognition system using Sphinx 4 without having to use Google server.

IS	القسم
<b>Leaves identification by content-based image retrieval based one</b>	اسم المشروع
أ.د/ يوسف بسيوني مهدى	المشرف
١- الاء رشاد شاکر ٢- امانى عبد الحكم محمد ٣- اسماء عبد العال احمد ٤- الشيماء عزب عبد العاطى ٥- الاء اسعد مصطفى ٦- ايمان السيد احمد ٧- رجاء عبد العاطى	أسماء الطلاب
م/ الزهراء أحمد محمد	المعاونون

## **Leaves identification by content-based image retrieval based one**

Content Based Image Retrieval (CBIR) is an emerging area of engineering application focusing on algorithms and methods to extract image features from a query image and retrieve similar images from large archives. It has found extensive application in medical imaging for both retrieval and automatic archiving.

In this project, we present a content-based image retrieval system for plant image retrieval, intended especially for the house plant identification problem. A plant image consists of a collection of overlapping leaves and possibly flowers, which makes the problem challenging. We studied the suitability of various well known color, shape and texture features for this problem, as well as introducing some new texture matching techniques and shape features.

IS&IT	القسم
<b>An Android based Virtual Physics Laboratory</b>	اسم المشروع
أ.د/ يوسف بسيوني مهدى	المشرف
١- كيرلس محسن بديع ٢- ميشيل عادل جوني ٣- ماركو ممدوح ميلاد ٤- ابانوب مكرم عبد الملاك ٥- مينا صدقي عطا ٦- ريمون جابر عزمى ٧- ابرام يوسف عبد المعز ٨- رضا شحاتة عطية	أسماء الطلاب
م/ أحمد عبد المنعم	المعاونون



## **An Android based Virtual Physics Laboratory**

Many advanced concepts in physics are quite abstract and difficult to visualize, which present a challenge to both students and instructors of physics alike. While the fundamentals of physics are always rooted in mathematical formalism, for some advanced topics there is a tendency for the student to lose track of the basic qualitative understanding of the phenomena. Fortunately, advances in computing now allow better ways to display information, interact with the user, and ultimately increase the effectiveness of the pedagogy of these traditionally esoteric and difficult topics.

Experiments based on computer simulations have already found widespread use as a supplementary material in the teaching process. The simulation exercises sufficiently complement traditional method of education and follow the present trends of cheap education (especially expensive laboratory education) provide to obtain measured data alike as in classical laboratory. Visualization of physics phenomena through such techniques as demonstrations, simulations, models, video clips and movies can contribute to students' understanding of physics concepts by attaching mental images to these concepts. The use of virtual instrumentation and related Computer Based Learning techniques produce a reduced workload for teaching staff, a more user friendly interactive environment to study in and allow students to study remotely if desired. With the use of visual aids within the laboratory, such as Virtual Instrument, animations and narration students can not only gain a better understanding of what they are doing but why they are doing it.

The goal of this project is to create an android based virtual physics lab, with interactive applications, through the usage of faculty of computers and information physics curriculum. The main goal of the project is to increase awareness of both teachers and students about the use of the advantages of technology as a supportive technique to achieve significant results in the subjects of their interests.

Is&CS	لقسم
Online compiler	اسم المشروع
أ.د/ يوسف بسيوني مهدي	المشرف
١- الاء هاشم محمود ٢- عفاف حسن محمد ٣- غاده احمد عبده ٤- فاطمة الزهراء السيد	أسماء الطلاب
م/ محمد علي عطية	المعاونون

## نبذة عن المشروع

### **On line compiler**

It has always been difficult for programmers to organize and work on projects across a variety of locations, computers, and devices – especially when you work in teams. When you store your code on one computer at one location, you become tied down to that one computer, finding yourself running back to that machine each time a you're hit with coding inspiration. Worse, if you're working in a team, each member of the team has to send their code to every other member, each step of the way, creating organizational distractions and unnecessary delays. This is the problem that online compilers have solved, and the programming world will never be the same.

With an online compiler, you can store your code online, allowing you the freedom to program from any computer (or device) with a connection to the internet. With an online compiler, you and your team can work on the exact same set of files, regardless of where your team members are, allowing you to work better as a team and keep your projects organized.

An online compiler has the same basic functionality as a conventional compiler, however with one significant difference: all of a project or application's source code is stored and executed online via a web browser. Storing and executing source code online significantly reduces both the hardware and the software required by programmers when working on any given project, allowing programmers and development teams to quickly begin projects for a wide range of platforms, devices, and operating systems. Modern online compilers are still somewhat limited in their capabilities when compared to conventional compilers, however today's online compilers are capable of compiling Java, , VB.net, and working with the XNA platform.

القسم	IS
اسم المشروع	Web marketing
المشرف	أ.د/ يوسف بسيوني مهدى
أسماء الطلاب	١ - كامل ميخائيل كامل ٢ - سامى سمير ذكى ٣ - رامى ابراهيم شاکر ٤ - كيرلس نبيل افرايم ٥ - مينا ملاك صادق (لائحه قديمة)
المعاونون	م/محمد يوسف بسيوني

## نبذة عن المشروع

### Web. Marketing

User visit search websites like Google and search about products information that he/she need, this websites respond with links for another web pages that may contains the product information. That make user visit more than one website to get the product information that he/she need. Our application collects information from more than one website and display this information for user by this we save time and effort for user. User can get the best information he/she want about his/her product by give us more information about the product.

By using this extra information we compare the products information that the user gives us and the information that we have collect by using webbot from websites.

We design and implement a webbot for extracting information about specific product from several websites.

It is natural that one webbot can get specific type of data that was designed to get. The disadvantages of this if the design of webpage is change this webbot cannot get this data any more. We will talk about the webbot in next section and in details in next chapter.

CS&IT	القسم
<b>Content-Based Image Retrieval for Pulmonary Computed Tomography Nodule Images</b>	اسم المشروع
أ.د/ يوسف بسيوني مهدى	المشرف
١- احمد جابر عبد العزيز ٢- اسراء محمد احمد ٣- باهى وديع زكارى حكيم	أسماء الطلاب
م/محمد يوسف بسيوني	المعاونون

## Content-Based Image Retrieval for Pulmonary Computed Tomography Nodule Images

Lung cancer is the leading cancer related death in the world, nevertheless, the early diagnosis has proven to yield significant increase in the survival rate from this cancer, but it is hard to detect using conventional radiography. Computed tomography (CT) scanning has been found to increase the detection rate of pulmonary nodules. However, there is still much to improve in computer-assisted diagnosis (CAD) systems, particularly in the area of nodule comparison and retrieval.

We are interested in comparing different texture feature descriptors and similarity measures for use in a content-based image retrieval (CBIR) system for CT lung nodules.

The goal of project is to build a content-based image retrieval (CBIR) system for pulmonary CT nodules. In this research, a CBIR system was developed based several texture models and similarity measures with respect to nodule size, number of retrieved nodules, and radiologist agreement on the nodules' texture characteristic.

القسم	IT&IS
اسم المشروع	Audio Seek (AuSeek)
المشرف	أ.د/ يوسف بسيوني مهدى
أسماء الطلاب	١- سالى نشأت شوقى ٢- سلوى رمسيس بطرس ٣- مريم كامل حنا ٤- مرتينا فوزى نجيب ٥- ناريمان روماني فخرى
المعاونون	م/محمد يوسف بسيوني



### **Audio Seek (AuSeek)**

There is a cool service called Shazam, which take a short sample of music, and identifies the song. There are couple ways to use it, but one of the more convenient is to install their free app onto an iPhone. Just hit the “tag now” button, hold the phone’s mic up to a speaker, and it will usually identify the song and provide artist information, as well as a link to purchase the album.

We have developed and commercially deployed a flexible audio search engine.

The algorithm is noise and distortion resistant, computationally efficient, and massively scalable, capable of quickly identifying a short segment of music captured through a cellphone microphone in the presence of foreground voices and other dominant noise, and through voice codec compression, out of a database of over a million tracks.

The algorithm relies on fingerprinting music based on the spectrogram. The algorithm uses a combinatorially hashed time-frequency constellation analysis of the audio, yielding unusual properties such as transparency, in which multiple tracks mixed together may each be identified.

Furthermore, for applications such as radio monitoring, search times on the order of a few milliseconds per query are attained, even on a massive music database.

IS	القسم
Smart camera	اسم المشروع
أ.د/ يوسف بسيوني مهدى	المشرف
١- باسم سمير عبد السيد ٢- ديفيد يسرى اديب ٣- اندرو كميل شكرالله ٤- بيتر نشأت رشدى ٥- اندرو اخنوخ شفيق ٦- مايكل ميلاد نظير ٧- ساره سمير جرجس ٨- صفاء نبيل فكرى دانيال ٩- سهام حمدى عبد الكريم ١٠- انجى جرجس لويس	أسماء الطلاب
م/محمد يوسف بسيوني	المعاونون

## نبذة عن المشروع

### **Smart camera**

Smart camera will serve blind people or poor eyesight to make them recognize what are in front of them by using camera(to take photo which front of him ) and headphone (to tell him the name of what is the thing he face).

This camera captures a photo to what in front of it and sending it to server periodically. The server periodically takes an order from the user's mobile phone, which is in a connection with it, and then take the photo captured by the camera and finding the most similar one from the xml file user's mobile application takes the description of image then he convert it to audio file.

IS	القسم
A Biomarker Prediction Tool on Cloud Bio Linux	اسم المشروع
د/ تيسير حسن عبد الحميد	المشرف
١- احمد السمان ابراهيم ٢- احمد حمدي توفيق ٣- مروة محمد محمد ٤- مريت صفوت نظير ٥- ندا اسامة محمد ٦- هبة عبد الله سليمان ٧- يسرا اسامه كمال الدين	أسماء الطلاب
م/ محمد سيد بقلی - م/ مروان رضوان رياض - م/ حسن سعد شعبان	المعاونون

## نبذة عن المشروع

### **A Biomarker Prediction Tool on Cloud Bio Linux**

Systematic study of complex interactions among molecular components (i.e. DNA, RNA, micro RNA, proteins and small molecules) is a new paradigm for discovering molecular functions or functional pathways in a global scale. Modeling and analysis of the inherent, dynamic, and structural behaviors of biological networks in a topological perspective have been recently a primary issue in Bioinformatics research. However, these studies have been challenging because of the large scale and complex connectivity of current biological networks, structured by high-throughput experimental data. A variety of computational techniques might be applied for effective analysis of the large-scale, complex biological networks. Through this project, the students will develop a prediction tool for cancer biomarkers and run it on Bio Linux as an urgent platform for the bioinformatics society as well as the new cloud Bio Linux. Required Tools: Java, My SQL , Bio Linux platform.

IS & CS	القسم
Prophet Mohamed Ethics' Treatment "A web and a Mobile application"	اسم المشروع
د/ تيسير حسن عبد الحميد	المشرف
١- احمد سيد حسانين ٢- السيد حسين عبد الله ٣- عماد حمدي فرغلي ٤- حسام حسانين محمود ٥- سامي عبد البديع عبد العليم ٦- محمود نبية عبد الحكيم ٧- محمود ابراهيم محمد	أسماء الطلاب
م/ محمد سيد بقلی - م/ مروان رضوان رياض - م/ حسن سعد شعبان	المعاونون

## نبذة عن المشروع

### **Prophet Mohamed Ethics' Treatment "A web and a Mobile application"**

This project aims at providing useful information to spread out the treatments of Prophet Mohamed of different Ethics situations, such as the treatment of other religions or other people's beliefs. The site and mobile application will obtain functionalities, such as search, bilingual text, text-speech converter, and security. In addition, a text summarization algorithm will be applied.

Required Tools: J2ME

IS	القسم
Twasalny	اسم المشروع
د. تيسير حسن عبد الحميد	المشرف
١- عمرو حسن محمد ٢- ايمن محمد حسن كريم ٣- مازن رفعت عبد الباسط ٤- محمد خلاف ٥- شريف صلاح مخلوف	أسماء الطلاب
م/ محمد سيد بقلی - م/ مروان رضوان رياض - م/ حسن سعد شعبان	المعاونون



## نبذة عن المشروع

### **Twasalny**

Throughout the recent years we are facing terrible increase in traffic due to the huge increase of population and so as the cars being used. Therefore, it is must to develop mobile applications that can help finding the shortest paths through GPS and Mobile Apps. The project will have the following functionalities: rating, school rides, reporting/punishing, and rewarding system. In addition, A Spatial-temporal algorithm will be used to determine the frequent paths analysis.

Will be run on ios and Android.

IS	القسم
<b>A Web GIS-based Intelligent Decision Support System for Real Estate at Assiut Governorate</b>	اسم المشروع
د/ تيسير حسن عبد الحميد	المشرف
١- سمير خليفة مصطفى سيد ٢- سها عبد المؤمن محمد الزهنى	أسماء الطلاب
م/ محمد سيد بقلى - م/ مروان رضوان رياض - م/ حسن سعد شعبان	المعاونون

## نبذة عن المشروع

### **A Web GIS-based Intelligent Decision Support System for Real Estate at Assiut Governorate**

A huge problem at Assiut Governorate is the Real Estate, regarding buying and renting apartments and lands. Through this project, the students will develop an intelligent Decision Support System for determining apartments for rent and helping the government to make decision for constructing new areas. The project will be available as a web tool, using GIS for Dereferencing the places in Assiut.

القسم	CS &IS
اسم المشروع	An integrated web site for Liver diseases based on Proteomics
المشرف	د/ تيسير حسن عبد الحميد
أسماء الطلاب	١- امل محمد قطب ٢- الاء احمد محمد ٣- اسماء محمد حسانين ٤- اسراء كمال الدين ٥- شهندا ثابت فرغلى ٦- مروه حسن احمد ٧- امنية حسن احمد صابر ٨- امنية جلال احمد
المعاونون	م/ محمد سيد بقلى - م/ مروان رضوان رياض - م/ حسن سعد شعبان

## نبذة عن المشروع

### **An integrated web site for Liver diseases based on Proteomics**

Proteomics currently produces a critical insight for understanding the mechanism and insight of different diseases. Liver diseases are considered very critical diseases in Egypt. Therefore, it is a must to provide such important insights. Through this project, two different phases of proteomics computing will be required. The first one is using protein microarray for Liver diseases. The second is integrating useful protein and enzymes data regarding liver diseases.

IS	القسم
Credit Hour Registration System	اسم المشروع
د/ مرغني حسن محمد	المشرف
١- محمد بهاء الدين متولى ٢- كريم عبد العليم محمد ٣- محمد صلاح على تمام ٤- احمد عبد الراضى السيد احمد ٥- احمد سرحان حسن	أسماء الطلاب
م.م/ احمد ابراهيم طلوية - م/نهى مصطفى علاء الدين	المعاونون

## نبذة عن المشروع

### **Credit Hour Registration System**

The main aim of Course Registration System which is a web-based program to make easier and more convenient the class registration process, a bother through which students go every semester.

As it stands, here at Assiut university, in order to officially register for classes, each student must fill out a course registration form manually, bring it to the student's Office, stand in line for some time , and finally have the form officially approved and stamped. In order to change anything about one's current schedule, such as dropping or adding a class, changing grade option, or showing official permission from a professor, the student must go through the same tedious process.

This project attempts to alleviate these hassles by providing several services to students through the internet.

**The project establish** a way to look for for classes without having to open a course catalog, a way to “shop” around and view various possible schedules, and finally, officially register for the chosen classes. All this can be done in the privacy of the students' own rooms and without the stress and time it takes to stand in line in Faculty Hall.

IT&CS	القسم
Credit Hour Resource Management System	اسم المشروع
د/ مرغني حسن محمد	المشرف
١- حاتم محمد محمد ٢- احمد انور على بركات ٣- ياسر عوض عبد العليم ٤- اسامه عبد الرؤف عبد الرؤف ٥- حسن محمد السيد	أسماء الطلاب
م.م/ احمد ابراهيم طلوية - م/نهى مصطفى علاء الدين	المعاونون



## نبذة عن المشروع

### **Credit Hour Resource Management System**

The objective of this project is to build credit hours resource management system. Resource management is one of the most important key corner stone's of project management for credits hour system.

There are several types of resources that needs to be managed: Equipment, supplies, machinery, people, land, clearances etc. These resources cost money to procure. If the lead times are too short, it costs more money to get the resources. So it pays to look ahead in the project planning stage and make proper plans to procure the required resources in a timely manner for the lowest cost. Changes to the cost of the resources has a big impact on the viability of the project, therefore resource management also impacts cost management. Resource management has several components:

1. Effort Estimation
2. Resource Identification
3. Lead time to get required resources
4. Resource Utilization

CS&IS	القسم
Credit Hour Teaching Process System	اسم المشروع
د/ مرغني حسن محمد	المشرف
١- احمد عماد الدين شوقي ٢- محمود صلاح الدين محمود عبد المجيد ٣- حسام حسن كامل ٤- محمد عبد الحليم صلاح ٥- عزه احمد مرتضى ٦- ولاء ابو حسيبة محمد	أسماء الطلاب
م.م/ احمد ابراهيم طلوية - م/نهى مصطفى علاء الدين	المعاونون

## نبذة عن المشروع

### Credit Hour Teaching Process System

The course timetabling problem at Assiut University in Assiut has been in existence ever since the establishment of the university. Courses offered at the university. Currently timetables are manually designed. The process is effort and time consuming and the results are often not satisfactory. In this project, we provide a description of the problem and we show how it can be modeled as a constraint satisfaction problem.

In general of this project is to manage time table, acts education, evaluation, examinations, and calculate student's scholastic standing of Grand Point Average (GPA) which is obtained by the total number of grade points earned for the semester divided by the total number of semester hours attempted for the semester. The student is provided with a copy of his academic record at the end of each semester; Academic records are issued every semester in full and contain all student record throughout all the semesters.

IS&CS	القسم
Etourism: Data-Mining-based System	اسم المشروع
د/ مرغني حسن محمد	المشرف
١- محمد حمدي محمد ٢- محمد ابراهيم سرحان ٣- محمد احمد جهلان ٤- مصطفى عثمان مصطفى ٥- محمد ممدوح مصطفى ٦- ابراهيم نصر ابراهيم	أسماء الطلاب
م.م/ احمد ابراهيم طلوية - م/نهي مصطفى علاء الدين	المعاونون

## نبذة عن المشروع

### **E-tourism: Data-Mining-based System**

The project aims to carry out a website on E-tourism in Egypt, aims to provide a range services that help tourists or Visitor to meet the needs and closer to the places they want smoothly without trouble. In addition to talking about the famous places and the cities of Egypt for the Latest News in the world of tourism such as conferences and festivals and the central and annual celebrations, which held the country in addition to continuously develop the declaration all interested institutions and companies to display the services they provide.

IS&CS	القسم
Job BOOK	اسم المشروع
د/ مرغني حسن محمد	المشرف
١- عادل محمود ابو العباس ٢- شعبان محمد احمد ٣- جمال عبد الحميد محمد ٤- جمال عبد الناصر يوسف	أسماء الطلاب
م.م/ احمد ابراهيم طلوية - م/نهى مصطفى علاء الدين	المعاونون

## نبذة عن المشروع

### **Job BOOK**

This project aims to keep the contact between the graduate students and their market to get a job. How can the new graduate students get information about the present jobs in or out their area, the project enable the student to post his complete C.V. Which includes Educations, skills, training and certificates, previous jobs, projects and experiences. Based on the information in the c.v. the site automatically presents the matching jobs. Based on knowledge and information gathered by the site we can make some mining and statics and Get a result that in the current duration mobile application is the most required field

IS	القسم
Thugs Detection System	اسم المشروع
د/ مرغني حسن محمد	المشرف
١- شحاتة جمال محمود ٢- احمد حسنى سيد ٣- احمد عبد الجواد محمود عبد الجواد ٤- احمد حمادة السيد ٥- علاء على صابر ٦- عطاالله عكاشه عبد اللاه سليمان	أسماء الطلاب
م.م/ احمد ابراهيم طلوية - م/نهى مصطفى علاء الدين	المعاونون



## نبذة عن المشروع

### **Thugs Detection System**

*This project aims to build a system for discovering unauthorised persons in social networks using data mining discovering system for faces. Two important phases must be considered to establish this system: feature extraction phase, face detection phase and classification model.*

In most cases, a face recognition algorithm can be divided into the following functional modules: a face image detector finds the locations of human faces from a normal picture against simple or complex background, and a face recognizer determines who this person is. Both the face detector and the face recognizer follow the same framework; they both have a feature extractor that transforms the pixels of the facial image into a useful vector representation, and a pattern recognizer that searches the database to find the best match to the incoming face image. The difference between the two is the following; in the face detection scenario, the pattern recognizer categorizes the incoming feature vector to one of the two image classes

IS	القسم
Tourist Mapping	اسم المشروع
د/ مرغني حسن محمد	المشرف
١- ايه احمد شاكر ٢- امنية عبد الله محمود ٣- انوار كمال محمد محمود ٤- شيماء على محمد ٥- انجي اليا القمص جرجس ٦- مريم رافت رزق عبده ٧- دعاء عبد الشافي رمضان ٨- رحاب خالد جمال الدين	أسماء الطلاب
م.م/ احمد ابراهيم طنوبية - م/نهى مصطفى علاء الدين	المعاونون

## نبذة عن المشروع

### **Tourist Mapping**

*This project aims to help tourists to know a lot about tourists in Egypt, allow them to book a preferable trip for them, its a website which can be accessed from any were to browse the available packages of trips, choose one or more and book it.*

IT&IS&CS	القسم
3D Kinect Scanner	اسم المشروع
د. خالد فتحي حسين	المشرف
١- اسامة جمال درويش ٢- رامى مدحت احمد ٣- بهاء مجدى صموئيل ٤- ميرا ماجد تمساح ٥- محمد عبد الستار ٦- ماريانا ناجى سامى	أسماء الطلاب
م / محمود ناصر عفيفى - مصطفى ابو بكر - احمد حسنى محمد	المعاونون

IT&IS&CS	القسم
3D Kindest Scanner	اسم المشروع
د. خالد فتحي حسين	المشرف
١- هبة حسين احمد ٢- وفاء جمال عبد اللاه ٣- زينب محمد عيسى على ٤- علا عزت عبد اللطيف ٥- اسماء مصطفى ابوالمجد محمود ٦- شيماء حسنى مصطفى ٧- سمر محمد ابراهيم	أسماء الطلاب
م / محمود ناصر عفيفى - مصطفى ابو بكر - احمد حسنى محمد	المعاونون

## نبذة عن المشروع

### 3D Kindest Scanner

Over the last decade digital photography has entered the mainstream with inexpensive, miniaturized cameras routinely included in consumer electronics. Laser scanners are used for acquiring depth information, but they are expensive. Kinect from Microsoft is a mainly a camera that sees depth and color. In addition, it has a whole image interpretation library that is used to detect gestures and poses from people standing in front of it. Kinect can do the same job as laser scanners and Kinect is cheaper. In this project, we construct a 3D scanner using a Kinect.

IT&IS&CS	القسم
Chroma Keying	اسم المشروع
د. خالد فتحي حسين	المشرف
١- نهى محمد صالح ٢- نعمة بكرى محمد حسن ٣- ريهام سيد عبد العزيز ٤- دعاء عبد الناصر عبد العال ٥- نادية صلاح ضاحى ٦- منى محمد قناوى ٧- آيات احمد مصطفى	أسماء الطلاب
م / محمود ناصر عفيفى - مصطفى ابو بكر - احمد حسنى محمد	المعاونون

## نبذة عن المشروع

### **Chroma Keying**

Chroma key compositing (or chroma keying) is a technique for compositing (layering) two images together. A color range in the top layer is made transparent, revealing another image behind. The chroma keying technique is commonly used in video production and post-production. This technique is also referred to as color keying, color-separation overlay, green screen, and blue screen. It is commonly used for weather forecast broadcasts, wherein the news presenter appears to be standing in front of a large map during live television newscasts, but in a television studio it is actually a large blue or green background. The meteorologist stands in front of a green screen, and then different weather maps are added on those parts in the image where the color is green.

القسم	IT &CS
اسم المشروع	Home Automation
المشرف	د. خالد فتحي حسين
أسماء الطلاب	١- احمد عبد الكريم عبد القادر ٢- وجدى محمد بكر
المعاونون	م / محمود ناصر عفيفى - مصطفى ابو بكر - احمد حسنى محمد



## نبذة عن المشروع

### **Home Automation**

Home automation is becoming more popular around the world. The process of home automation works by making everything in the house automatically controlled and does the jobs that we would normally do manually. Home Automation lets the user control the home from his or her computer and assigns actions that should happen depending on time or other sensor readings such as light, temperature, or sound from any device in the Home Automation network.

IS&CS	القسم
Virtual Development Environments	اسم المشروع
د. خالد فتحي حسين	المشرف
١- طارق عبد العزيز مصطفى ٢- علاء عطية محمد سعيد ٣- محمد عمرو بركات ٤- عبد الرحمن حسنى محمد ٥- مايكل منير خليل	أسماء الطلاب
م / محمود ناصر عفيفى - مصطفى ابو بكر - احمد حسنى محمد	المعاونون

### Virtual Development Enviroments

DevOS is an integrated environment for developers that increases productivity. It has the following features:

- Plug-and-Develop scheme. That is no need to install development environments on your machine. Rather, select your environment and start developing.
- Virtual development environments are stored on server(s).
- The environment is integrated with a social network for getting faster support and help from other communities.
- The social network also provides developers with helping tools, like project management, group conferences and technical forums.

IS&IT&CS	القسم
Traffic Monitoring System Abstract	اسم المشروع
أ.د/ عادل أبو المجد سويسي	المشرف
١- عصام عبدالرؤوف احمد احمد ٢- محمد عبدالرحيم محمد حسن ٣- محمود سعيد رشدي ٤- دعاء احمد خلاف ٥- ساره عبدالحميد ٦- فاطمه احمد شحات ٧- عزه محمود عمران ٨- شيماء سيد جابر ٩- ندى احمد حسن	أسماء الطلاب
م/ اسلام طه جندي	المعاونون

## نبذة عن المشروع

### Traffic Monitoring System Abstract

#### 1-Brief Overview

with increasing number of vehicles on roads, it is getting difficult to manually enforce laws and traffic rules for smooth traffic flow. Toll-booths are constructed on freeways and parking structures, where the car has to stop to pay the toll or parking fees. Also, Traffic Management systems are installed on freeways to check for vehicles moving at speeds not permitted by law. All these processes are traditional in nature. In the center of all these systems lies a vehicle. In order to automate these processes and make them more effective, a system is required to easily identify a vehicle. The important question here is how to identify a particular vehicle? The obvious answer to this question is by using the vehicle's number plate.

An automated traffic monitoring system can be implemented to identify the license plate of a vehicle, extracting the characters from the region containing a license plate and finally decide whether that car had broken the laws or not. Also decide whether that car is stolen or not.

The system also provides information about the time and the location at which the car has been passed through. The license plate number can be used to retrieve more information about the vehicle and its owner, which can be used for further processing.

#### 2-Purpose of the project

The system is basically used by traffic agency for monitoring and controlling the flow of traffic at any part of the country.

The main purposes of The Traffic Monitoring System is

- Detection of the location of the licence plate in the image.
- Identifying the plate number belonging to the car using OCR algorithm.
- Deciding whether that car had broken the red light (law) or not (will be seen later).
- Give information about the car such as its owner, colour, make, model, unpaid fees .....etc.

Giving the date and location of each car passed through a specific point.

IS&IT&CS	القسم
Multimedia HTML For The Web	اسم المشروع
أ.د/ عادل أبو المجد سويسي	المشرف
١- مصطفى محمد كامل ٢- عبد الصادق نادي عبد الصادق ٣- ناير أحمد حجازي ٤- سارة سيد أحمد ٥- تسنيم محمد مصطفى	أسماء الطلاب
م/ اسلام طه جندي	المعاونون

## نبذة عن المشروع

### **TML For The Web Multimedia H**

This project is about using multimedia HTML for reconstructing the college website “faculty of computers and information” as social e-learning system. Through this website the students should be able to get courses’ materials, and communicate with his/her professors and instructors. Professors could be able to upload courses materials, make discussions with students and keep track with student’s performance. Companies could be able to communicate with the graduated students, provide summer training, and offer new job opportunities.

- 1- Network Traffic Monitoring
- 2- Employment Directory

أ.د/ حسنى محمد ابراهيم

- 
- 3 - Trash Collection using a Team of Mobile Robots
  - 4 - Vision-based Road Traffic Monitoring System

د/ نجوى محمد عمر

- 
- 5- (CBIR)Image
  - 6- speech to text
  - 7- (CBIR)Image-leaves
  - 8- Simulation fro physical laboratory experiment by android
  - 9- Online compiler
  - 10- Web marketing
  - 11- Cancer lung
  - 12- Audio search engine
  - 13- Smart camera

أ.د/ يوسف بسيونى مهدى

- 
- 14 - A Biomarker Prediction Tool on Cloud Bio Linux
  - 15 - Prophet Mohamed Ethics' Treatment "A web and a Mobile application"
  - 16- Twasalny
  - 17- A Web GIS-based Intelligent Decision Support System for Real Estate at Assiut Governorate
  - 18- An integrated web site for Liver diseases based on Proteomics

د/ تيسير حسن عبد الحميد

- 
- 19- Credit Hour Registration System
  - 20- Credit Hour Resource Management System
  - 21- Credit Hour Teaching Process System
  - 22- Etourism: Data-Mining-based System
  - 23- Job BOOK
  - 24- Thugs Detection System
  - 25- Tourist Mapping

د/ مرغنى حسن محمد

- 
- 26- 3D Kinect Scanner
  - 27- Chroma Keying
  - 28- Home Automation
  - 28- Virtual Development Environments

د/خالد فتحي حسين

- 
- 29- Traffic Monitoring System Abstract
  - 30- Multimedia HTML For The Web
  - 31- Multimedia HTML For The Web

أ.د/ عادل أبو المجد سويسي





مشاريح أ.د/ حسنى إبراهيم + د/ أ.د/ عادل ابو المجد + (أ.د/ فاطمة عمارة)  
HP معمل بالدور الثالث من ٩:٣٠ الى ١٢:٠٠

- 1- Heart Monitoring Using Wireless Sensor Network And Mobile Devices
- 2- Network Management Application With GIS Support
- 3- Web Voting System Using Finger Print
- 4- Cloud Computing

مشاريح أ.د/ يوسف بسيونى مهدى + أ.د/ فاطمة عمارة  
قاعة المناقشات

- 5- Colorization
- 6- Bill of Materials(BOM)
- 7- speech-enabled web browser
- 8- Wiimote for Computers
- 9- Design and Implementation of Online Store
- 10- Social Networking Website

مشاريح د/ تيسير حسن + أ.د/ احمد محمد حمد  
معمل (أ٢) الدور الأول

- 11- Developing an Online Virtual Learning Environment for System Analysis and Design Course
- 12- Develop an e-health system on the cloud for cardiovascular department (part 2a)
- 13-Develop an e-health system on the cloud for cardiovascular department (part 2b)
- 14- Developing an Online Nutrition System
- 15 - Developing an e-SuperMall
- 16- Developing a Search Engine by Intelligent Content-Based Image Retrieval
- 17- Developing an Online Elections System
- 18- Developing an online Diabetes System

مشاريح د/ مرغنى حسن محمد + د/ عبد الرحمن حيدر + أ.د/ احمد شرف  
معمل الملتى ميديا

- 1- Student Registration and Learning Management System FCI Portal
- 2- Read With Me
- 3- The virtual store
- 4- Electronic and Secure System for Public Voting
- 5- Virtual classroom
- 6- Criminals detection Using Mining video in publicity available cameras

مشاريح د/ خالد فتحى + د/ نجوى عمر + د/ خالد شعبان  
معمل ٣ هـ

- 1- Developing 3D optical scanner
- 2- Developing 3D Virtual camera rig software
- 3- chroma keying
- 4- Developing 3D model searching software, and motion capture
- 5- Building Visual Maps With a Team Of Mobile Robots