ملخص مشاريع التخرج
لطلاب كلية الحاسبات والمعلومات
جامعة أسيوط
للعام الجامعي٢٠١١ - ٢٠١٢م

بسم الله الرحمن الرحيم

القسم	IT
اسم المشروع	**Wireless Sensor Network Environmental Monitoring with Mobile Assistance**
المشرف	**أ.د/ حسنى محمد ابراهيم**
اسماء الطلاب	١- توماس حنا باخوم ٢- ديفيد بشري طانيوس ٣- سامح اسعد توفيق ٤- ريمون رفعت سعد الله ٥- مارينا جرجس أمين ٦- مارينا فرار زكي
المعاونون	**م / ماجد احمد جاد الرب عسكر** **م/ على حسين احمد**

نبذة عن المشروع

Wireless Sensor Network Environmental Monitoring with Mobile Assistance

Wireless sensor networks have attracted a wide interest from industry due to their diversity of applications.

The Proposed System collects various types of phenomena's from the environment such as light, pressure, temperature and humidity collected via multiple sensors distributed in various locations.

Sensors communicate to the base station via their radio transceivers; the base station is connected to a server which handles its data and sends it to mobile for further actions/procedures held by system administrator.

القسم	**IT**
اسم المشروع	**Network Management Application With GIS Support**
المشرف	**أ.د/ حسنى محمد ابراهيم**
اسماء الطلاب	١- أحمد حسنى عبد العال ٢- أحمد السيد محمد ٣- محمد صالح حسن ٤- محمد أحمد محمد حسين ٥- هاني عبد الحميد محمد ٦- إسلام محمد أحمد عثمان
المعاونون	**م / ماجد احمد جاد الرب عسكر** **م/ على حسين احمد**

نبذة عن المشروع

Network Management System with GIS Support

The Proposed application is used for managing the activities associated with running a network. A significant part of running a network is simply monitoring it to understand what is going on to identify suitable actions for the reported events.

A popular protocol used in network management is the Simple Network Management Protocol (SNMP). SNMP is used to query and control network devices from a central management station.

Such system uses SNMP protocol for retrieving Network Elements (NE) status and health information such as:

- The network name of the device
- The number of network interfaces on the device
- The (in\out) packet counts of each interface
- Error rates of each network interface
- Protocol-specific counts such as TCP and UDP packets

The main function provided by the system

- Getting information about any device on the network
- Change Configuration of any network devices
- Monitoring the status of the components during network operation.
- Detect sudden changes in the network configuration.
- Provides integration between the fault and the inventory management system to support auto population of information.
- GIS maps are used in the proposed application to visualize the various network topologies.

القسم	**IT**
اسم المشروع	**Web Voting System Using Finger Print**
المشرف	**أ.د/ حسنى محمد ابراهيم**
أسماء الطلاب	١- مينا شكري جرجس ٢- ناصر مناع حنا ٣- موريس خليفة عجيب ٤- بيتر أديب نجيب ٥- مينا نبيل حنا
المعاونون	**م / ماجد احمد جاد الرب عسكر** **م/ على حسين احمد**

نبذة عن المشروع

Web Voting System Using Fingerprint and Face Recognition System

A System to facilitate the voting process via allowing voters to vote quickly and safely using the modern technologies of finger and face verification and recognition, fast analyzing and filtering procedures .This system provide more security in the voting process by the strong authentication process through face recognition and fingerprint systems.

The benefits beyond the system are: 1) Online Administration and monitoring enables problem handling easy and fast. 2) Automated verification and recognition techniques increase the transparency of the whole voting process. 3) Decreases time and effort in terms of the following :

- The voting process will take a few minutes.
- The screening process will take short time and the result of elections will appear online.
- The candidate can know number of signed voters for him.
- Reduce cost as we won't use papers and need for extra employees.

القسم	IT
اسم المشروع	Building Visual Maps With a Team Of Mobile Robots
المشرف	د/ نجوى محمد عمر
أسماء الطلاب	١- محمود عبد الستار محمد حفني ٢- إبراهيم السيد إبراهيم محمد ٣- محمد رفعت سيد مصطفى ٤- محمد محمد احمد الفاوي ٥- محمد عبد الغني احمد محمود ٦- علي احمد محمود علي ٧- محمد سعيد كامل احمد
المعاونون	م/ ابرام كمال عزيز

نبذة عن المشروع

Building visual maps with a team of mobile robots

In this project, data from group of robots is integrated into a local area map that is developed by each robot using simultaneous localization and mapping (SLAM). The SLAM approach allows an autonomous vehicle to develop a map of either known or unknown environments, while also monitoring and reporting on its own current location. In the absence of global location information, SLAM enables the robots to keep track of their own locations as they move.

Consider a group of robots, working by themselves and communicating only with one another, divide up among themselves a variety of tasks -- for example, they can go into a building and within minutes transmit a detailed floor map to humans waiting at a command center nearby. Also, this project would be advantageous for many applications such as surveillance and reconnaissance.

The proposed system may be used in different fields such as military applications, mineral & submarine, searching for unexploded objects, floor cleaning, lawn mowing, mine hunting, search and rescue.

The ministry of defense, research institutions, and any clients that use team of robots can be beneficiaries.

القسم	**IT& CS**
اسم المشروع	**Colorization**
المشرف	**أ.د/ يوسف بسيونى مهدى**
أسماء الطلاب	١- رضوه محمد الصغير امين ٢- رضوى صلاح الدين محمد ٣- رحاب مرسى محمد ٤- داليا مقبل فوزى ابادير ٥- دينا مهنى منسى جاد ٦- هبه محمد حسنى ٧- الشيماء محمد عبد الرازق
المعاونون	

نبذة عن المشروع

COLORIZATION

Introduction:

COLORIZATION is the art of adding color to a monochrome image or movie. The idea of "coloring" photos and films is not new. Ironically, hand coloring of photographs is as old as photography itself.

The problem of colorizing a gray-scaled image involves assigning three-dimensional (RGB) pixel values to an image whose elements (pixels) are characterized only by one feature (luminance). Since different colors may carry the same luminance in spite of differences in hue and/or saturation, the problem of colorizing gray-scaled images has no inherently "correct" solution. Due to these ambiguities, human interaction usually plays a large role in the colorization process.

Goal:

The goal of the project is to implement a number of colorization algorithms that can be used to colorize still grayscale images and films.

القسم	**IS&IT**
اسم المشروع	**Bill of Materials(BOM)**
المشرف	**أ.د/يوسف بسيونى مهدى**
أسماء الطلاب	١- صفاء بدوي عبد الدايم ٢- دعاء محمود عبد الرحمن ٣- داليا حسين محمود ٤- روفيدة ممدوح محمد ٥- اسماء زكريا شحاته خضراوى
المعاونون	**م/ عبد الرحمن كامل صديق**

نبذة عن المشروع

Bill of Materials(BOM)

Introduction:

A bill of materials (sometimes bill of material or BOM) is a list of the raw materials, sub-assemblies, intermediate assemblies, sub-components, components, parts and the quantities of each needed to manufacture an end product.

It may be used for communication between manufacturing partners, or confined to a single manufacturing plant.

A BOM can define products as they are designed (engineering bill of materials), as they are ordered (sales bill of materials), as they are built (manufacturing bill of materials), or as they are maintained (service bill of materials). The different types of BOMs depend on the business need and use for which they are intended. In process industries, the BOM is also known as the formula, recipe, or ingredients list. In electronics, the BOM represents the list of components used on the printed wiring board or printed circuit board. Once the design of the circuit is completed, the BOM list is passed on to the PCB layout engineer as well as component engineer who will procure the components required for the design.

BOMs are hierarchical in nature with the top level representing the finished product which may be a sub-assembly or a completed item. BOMs that describe the sub-assemblies are referred to as modular BOMs. An example of this is the NAAMS BOM that is used in the automotive industry to list all the components in an assembly line. The structure of the NAAMS BOM is System, Line, Tool, Unit and Detail.

A bill of materials "implosion" links component pieces to a major assembly, while a bill of materials "explosion" breaks apart each assembly or sub-assembly into its component parts.

A BOM can be displayed in the following formats:

- A single-level BOM that displays the assembly or sub-assembly with only one level of children. Thus it displays the components directly needed to make the assembly or sub-assembly.
- An indented BOM that displays the highest-level item closest to the left margin and the components used in that item indented more to the right.
- Modular (planning) BOM

A BOM can also be visually represented by a product structure tree, although they are rarely used in the workplace.

Goal:

The goal of this project is to design and implement a software that can be used to create and maintain bill of materials of products. For every product Bill of Material can contain purchased and in-house manufactured parts as well as sub-assemblies. Also, the proposed software can be used tp provide effective control over production costs.

القسم	**IT&IS**
اسم المشروع	**speech-enabled web browser**
المشرف	**أ.د/ يوسف بسيونى مهدى**
أسماء الطلاب	**١-** ساره عادل يحى زكريا **٢-** ماريانا جميل بديع واصف **٣-** كلير ناجح يوسف **٤-** ريتا سليمان انور بهنان **٥-** ايريني يحيى اسكندر ٦- بسمة ميلاد سعيد
المعاونون	**م/الزهر اء أحمد محمد**

نبذة عن المشروع

speech-enabled web browser

Introduction:

Speech technology has now advanced to the stage where it offers great promise for human-computer interaction in a variety of applications. Applications have to be chosen and engineered very carefully, however, with human factors given full consideration, if real gains are to be achieved. In particular, the early, popular belief that speech was somehow a "universal" medium – better in all respects than all other media – is too simplistic.

In this project it is required to design and implement a speech-enabled system which will subsequently be used as the basis of a range of empirical human factors studies. Initial work focuses on browsing of the World Wide Web.

The advantages of speech almost certainly depend on the degree of constraint imposed on users by the

system and/or application. Loosely speaking, constraint is inversely related to size of response set. The conventional means of navigating the Web provides an example of a high-constraint interface. Here the user is presented with a document in which the author or the system has highlighted links to other documents or applications: these represent the main or sole possibilities for navigation.

Current Web browsers were not designed to accept spoken commands nor were they designed to facilitate human

factors experimentation.

Goal:

The main goal of the current project is to develop a product a speech-enabled web browser, and was targeted at blind individuals who wanted to surf the web. The product presented quite a few programming challenges, but developing it today would be much simpler. That's because the Microsoft Speech API (SAPI) has come a long way and requires far less effort to use. It's also much easier to develop C# applications than C++ applications

القسم	**IT**
اسم المشروع	**Wiimote for Computers**
المشرف	**أ.د/ يوسف بسيونى مهدى**
أسماء الطلاب	**١-** ممدوح رضا فاضل **٢-** كيرلس مكرم الكسان **٣-** حسام اسعد قاصد **٤-** مارينا وحيد عزمى **٥-** مارينا عماد لبيب فلتس **٦-** ماريا عزت فايز
المعاونون	**م/ أحمد عبد المنعم**

نبذة عن المشروع

Wiimote for Computers

Introduction:

The Wii Remote, also known colloquially as the Wiimote, is the primary controller for Nintendo's Wii console. A main feature of the Wii Remote is its motion sensing capability, which allows the user to interact with and manipulate items on screen via gesture recognition and pointing through the use of accelerometer and optical sensor technology.

The Wii remote (Wiimote for short) has changed the way people play video games significantly. Whereas it was once necessary for players to rely on joysticks and button combinations to play games, the Wii remote now allows you to control games with a flick of the wrist. Some tech savvy users have even found ways to make it possible to use your Wii remote to control your computer.

Goal:

The wireless controllers sold with Nintendo's Wii gaming console, henceforth referred to as Wiimotes, are a cheap wireless input device with some 3D tracking abilities. However, all Wii games I know of only use the Wiimote as a pointing device (2D mouse-like interaction on the screen), or as a gesture-recognition device.

The motivation for this project was to investigate the actual capabilities of the Wiimote with a computer.

لقسم	IT
اسم المشروع	**Design and Implementation of Online Store**
المشرف	**أ.د/ يوسف بسيونى مهدى**
أسماء الطلاب	**١-** ابانوب وجيه سعيد **٢-** مريم نشأت عطا الله **٣-** نورا ويصا بشرى **٤-** هاني وليم شوقى
المعاونون	**م/ محمد علي عطية**

نبذة عن المشروع

Design and Implementation of Online Store

Introduction:

The business-to-consumer aspect of electronic commerce (e-commerce) is the most visible business use of the World Wide Web. The primary goal of an e-commerce site is to sell goods and services online. Project captures activities performed by different roles in a real life online store. The project gives real life understanding of an online store and activities performed by various roles in the supply chain.

This project deals with developing an e-commerce website for Online Computer accessories Sale. It provides the user with a catalog of different products available for purchase in the store.

In order to facilitate online purchase a shopping cart is provided to the user. The system is implemented using a 3-tier approach, with a backend database, a middle tier of Microsoft Internet Information Services (IIS) and ASP.NET, and a web browser as the front end client.

In order to develop an e-commerce website, a number of Technologies must be studied and understood. These include multi-tiered architecture, server and client side scripting techniques, implementation technologies such as ASP.NET, programming language (such as C#, VB.NET), relational databases (such as MySQL, Access).

Goal:

This is a project with the objective to develop a basic website where a consumer is provided with a shopping cart application and also to know about the technologies used to develop such an application.

القسم	**CS& IS**
اسم المشروع	**Social Networking Website**
المشرف	**أ.د/ يوسف بسيونى مهدى**
أسماء الطلاب	١- بيشوي عازر حبيب **٢-** رجائي الفي فهمي **٣-** ابانوب رياض سلامه **٤-** اندرو نادي عزمي **٥-** مينا اميل وليم ٦- مينا نشأت جورجي
المعاونون	**م/محمد يوسف بسيوني**

نبذة عن المشروع

Social Networking Website

Introduction:

A social network is a social structure made up of a set of actors (such as individuals or organizations) and the dyadic ties between these actors.

Social networking is based on a certain structure that allow people to both express their individuality and meet people with similar interests. This structure includes having profiles, friends, blog posts, widgets, and usually something unique to that particular social networking website .

Social networking websites function like an online community of internet users. Depending on the website in question, many of these online community members share common interests in hobbies, religion, politics and alternative lifestyles. Once you are granted access to a social networking website you can begin to socialize. This socialization may include reading the profile pages of other members and possibly even contacting them.

Goal:

The main goal of this project is to build a social networking website.

القسم	**CS&IS&IT**
اسم المشروع	**Developing an Online Virtual Learning Environment for System Analysis and Design Course**
المشرف	**د/ تيسير حسن عبد الحمد**
أسماء الطلاب	١- أحمد محي الدين عمر ٢- أحمد عربي عبد الرحمن ٣- ندا عبد السلام محمود ٤- رحاب أحمد عبد الوهاب ٥- هاجر نصر الدين مصطفى ٦- اميرة محمد أحمد ٧- مروة أحمد محمد محمود
المعاونون	**م/ نجلاء عبد الهادي**

نبذة عن المشروع

Developing an Online Virtual Learning Environment for System Analysis and Design Course

Since e-learning and m-learning is becoming a necessity in our everyday lives due to social, cultural, and political issues developing online virtual courses is a must. Students can learn their system analysis and design course either on the web at their laptop or at their mobile. This course is turned into a virtual course where a student can get the environment of the class with the elements of e-learning through the web/mobile. In addition, the course is taught through a variety of techniques, such as readings, collaborative work, and individual discussions.

القسم	**IS**
اسم المشروع	**Develop an e-health system on the cloud for cardiovascular department (part 2a)**
المشرف	**د/ تيسير حسن عبد الحميد**
أسماء الطلاب	**١-** محمود صلاح عبد الوكيل ٢- مروان رضوان رياض ٣- أحمد محمد محرم
المعاونون	**م/ محمد سيد بقلي**

نبذة عن المشروع

Develop an e-health system on the cloud for cardiovascular department (part 2a)

This project is a continuation of a last year projects, where new requirements have been added to automate the procedure of patient data registration at the cardiovascular department, Assiut University Hospital. In addition, a data mining tool is developed to cluster and classify patients data according to the doctor's needs.

القسم	**CS & IS**
اسم المشروع	**Develop an e-health system on the cloud for cardiovascular department (part 2b)**
المشرف	**د. تيسير حسن عبد الحميد**
أسماء الطلاب	١- السيد محمود على ٢- ابو الحجاج صديق محمود ٣- محمود محمد أحمد هريدي ٤- الشاذلي محمد أحمد ٥- اسلام جاد أحمد ٦- اسماعيل مصطفى بكر ٧- السيد فتحي ناجي
المعاونون	**م/ محمد سيد بقلي**

نبذة عن المشروع

Develop an e-health system on the cloud for cardiovascular department (part 2b)

This project is a continuation of a last year projects, where new requirements have been added to automate the procedure of patient data registration at the cardiovascular department, Assiut University Hospital. These requirements include the storage and analysis of patient images, using DICOM.

القسم	**IS**
اسم المشروع	**Developing an Online Nutrition System**
المشرف	**أ.د/ تيسير حسن عبد الحميد**
أسماء الطلاب	١- مروة أحمد محمد حسين ٢- أمينة عز الدين محمد ٣- أسماء أحمد محمد ٤- مروة الطاهر الحفني
المعاونون	**م/محمد سيد بقلي – م/ حسن شعبان**

نبذة عن المشروع

Developing an Online Nutrition System

Online nutrition systems are getting wide popular since they provide important information to healthy life. Through this project, the student will provide an online system to provide information about healthy food, healthy life style, diseases and relation to food, including videos and tutorials. They will utilize information systems concepts and current social networks to provide this online system.

القسم	**CS &IS**
اسم المشروع	**Developing an e-SuperMall**
المشرف	**أ.د/ تيسير حسن عبد الحميد**
أسماء الطلاب	١- بدر عبد الرحيم عمار ٢- محمد ناجي عبد الحليم ٣- فهد عبد التواب عبد المنعم ٤- حسن سيد علي ٥- محمود محمد محمود قايد ٦- محمود محمد علي
المعاونون	**م/محمد سيد بقلي – م/ حسن شعبان**

نبذة عن المشروع

Developing an e-SuperMall

E-supermall is a service to customers, where shoppers can add their products and available to sell. Customers can choose what they want wherever they are, rate the products, visualize the products and buy what they see. E-commerce is utilized to make shopping easier. Various products will be provided through this mall.

القسم	**IS &CS**
اسم المشروع	**Developing a Search Engine by Intelligent Content-Based Image Retrieval**
المشرف	**أ.د/ تيسير حسن عبد الحميد**
أسماء الطلاب	١- محمد خيري حسان ٢- أحمد عبد الله أحمد ٣- حسين مظهر جمال ٤- محمد حسن محمود ٥- عبد الله صلاح محمود ٦- محمد جاد علي ٧- محمد ابراهيم عبد المنعم ٨- أحمد جاب الله ضيف الله ٩- على محمد علي ١٠- عبد الله عمر محمد
المعاونون	**م/هشام شحاته**

نبذة عن المشروع

Developing a Search Engine by Intelligent Content-Based Image Retrieval

SCBRI is a search engine that aims to locate images on the web and instead of using text to search for specific image, SCBRI will use uploaded images from any source. SCBRI crawls the web for new image and indexes them in our database, when a user submits an image for. In addition, image annotation and intelligent retrieval will be applied.

القسم	**IS**
اسم المشروع	**Developing an Online Elections System**
المشرف	**د/ تيسير حسن عبد الحميد**
أسماء الطلاب	١- حسن محمد زين ٢- حسن محمد عبد الله ٣- محمود محمد أحمد بخيت ٤- محمود حسن عبد الحميد
المعاونون	**م/هشام شحاته**

نبذة عن المشروع

Developing an Online Elections System

Developing Online Elections systems is becoming a vital issue, which will be more secure and more organized. The system will contain information about candidates within each party or independents for the people's council. In addition, different services will be provided, such as e-voting, with highly security algorithms applied. Moreover, candidates for Egypt's president elections will be also added as well as their campaigns.

القسم	**IS&IT**
اسم المشروع	**Developing an online Diabetes System**
المشرف	**د/ تيسير حسن عبد الحميد**
أسماء الطلاب	١- الهام محمد علي ٢- امال علي موسى ٣- بثينة حسين علي ٤- أمل عبد العاطي عبد العليم ٥- الشيماء السيد عبد الراضي
المعاونون	**م/محمد سيد بقلي – م/ حسن شعبان**

نبذة عن المشروع

Developing an online Diabetes System

Diabetes is a very critical disease that we suffer from here in Egypt. The students will develop an online system, where full information about this disease will be available. In addition, information about different devices, clinical labs, books, and useful tips will also be provided.

القسم	**CS**
اسم المشروع	**Student Registration and Learning Management System FCI Portal**
المشرف	**د / عبد الرحمن حيدر عبد الرحمن**
أسماء الطلاب	١- يسرا أحمد أمين حسن جاد الله ٢- نوران محمد أحمد ٣- نورا عادل محمود ٤- آلاء محمد أحمد ٥- هشام عاطف محفوظ ٦- محمد سيد على
المعاونون	م. أحمد حسني ، م.م. مصطفى كامل

نبذة عن المشروع

Student Registration and Learning Management System FCI Portal

FCI Portal is highly efficient, easy to manage, user-friendly and reliable online learning system. You can connect everyone and everything in your learning community: people, information, and resources when you need them. It also Our online portal component/modules supports online student administration. include the following:

- Registration
- Upload (course contents – assignments – quizzes – files – projects)
- Post (questions – news)
- Insert, update and delete (personal data – grades – course specifications - office hours)
- Print documents
- Import and export excel sheets.
- Search (general search – specific search)
- Communication (messages)
- Online exams service
- Questionnaire service
- Integration with post graduate system.
- Company section (register – add job offer – delete job offer)

القسم	**IS&CS&IT**
اسم المشروع	**Read With Me**
المشرف	**د. عبد الرحمن حيدر**
أسماء الطلاب	١- مي محمد محمود عبد السلام ٢- هديل محمد مصطفى ٣- منة الله محمد أحمد ٤- ماريه مراد نصري ٥- ماري مكرم نقى
المعاونون	م. أحمد حسني ، م.م. مصطفى كامل

نبذة عن المشروع

Read With Me

Project Information:

- A location based social network that is developed using mobile application.
- The idea is based on the concept of sharing books among people who love and want to read.
- The proposed system can help those people to exchange the books they have read with the others in their local areas.

Project Objectives:

- Creating a real community from a social network.
- The ability to exchange books among users of the application.
- Helping people to take "Reading" as a new hobby.
- Helping people to get to know each other even if they wouldn't exchange books.
- Saving money for readers (like university students), as they wouldn't have to exchange the books they need. Instead, they exchange them for free.
- Spreading the concept of reading back again using the current technology.
- It will help users to know the latest versions of books through their friends' updates.

Possible Beneficiaries:

- University Students.
- Professors.
- Smart phone users.

People who love to read

القسم	**IS&CS**
اسم المشروع	**The virtual store**
المشرف	**د. عبد الرحمن حيدر**
أسماء الطلاب	١- أحمد السيد أحمد مصطفى ٢- إبراهيم سمير ٣- عمرو محمد إبراهيم ٤- على أبو زيد فرغلي ٥- محمد حسن محمد
المعاونون	م. أحمد حسني ، م.م. مصطفى كامل

نبذة عن المشروع

The virtual store

The problem is if a store cannot advertise its products by opening new branches. Instead, the suggested system can help it by making it reach the people by making virtual stores in a public places like a metro station, clubs, major squares using a virtual posters.

The posters of the virtual store looks like the actual store but the difference that the people use smart phones to shop.

Every product in the virtual store posters has a Snaptag or QR. When the people scan the snaptag or QR with their smart phones cameras. The product information will be loaded automatically in the mobile screen. Then they can buy it online with the amount they want. When the purchase is done the orders will be delivered to the user's home address that's stored in our system or to another address that the user will specify.

Once the purchase process is completed, a notification will appear to the store system with the process information details. An Invoice is created and sent to the store system and to the user's account.

The store can generate a report of purchasing from web-based management system.

To differentiate between different products in the virtual posters, each product has its own snaptag or QR. SnapTag or QR will contain the information of the product.

After making a deal with the store, the store will have its own pages that allow them to add, delete, update information products and also generate reports. Mobile app for android, services API, web based management system. We Intend to run our own business by our own private company. New strategy for marketing, and advertising methodologies using mobile technologies will be available for all direct selling companies.

We introduce in this system new methodologies for marketing that can invade the middle east stores. We need to run our own business and company with an acceptable degree of trust and creditability so as to be able to make contracts with different stores to make a good start of our application.

القسم	**IT &IS**
اسم المشروع	**Electronic and Secure System for Public Voting**
المشرف	**د/ مرغني حسن محمد**
أسماء الطلاب	١- عثمان ابرهيم عثمان ٢- حسين محمد البدرى ٣- علاء رجب شوقى ٤- عبدالعال عطيه احمد ٥- مركو خلف عبد النور ٦- حسين جابر حسين ٧- عبد الرحمن محمد احمد
المعاونون	**م.م/ احمد ابراهيم طلوبة – م/نهى مصطفى علاء الدين**

نبذة عن المشروع

Electronic and Secure System for Public Voting

The objective of this project is to build an interactive voting system which users can participate using their attendance, SMS message or mobile phone using data mining technology, hence one is able to exploit existing Secure Mobile authentication mechanisms and provide enhanced voter authentication and mobility while maintaining voter privacy.

The system will be build with of the following four components:

1- Server application
2- Database back-end
3- Web-based administration tool
4- Graphical front-end
5- Mobile client application
6- Data Mining Techniques

The system can be implementation using J2ME and will have to be installed on Compatible Java and Bluetooth-enabled mobile phones before they can take part in voting. It shall be compatible with as wide a range of phones as Possible, with a variety of screen resolutions.

مجموعة (١)

القسم	**IT&CS**
اسم المشروع	**Virtual classroom**
المشرف	**د/ مرغني حسن محمد**
أسماء الطلاب	١- احمد حسن توفيق ٢- احمد محمود احمد ٣- اسحاق عبد المسيح ٤- كريم محمد محمد ٥- محمد الامين عادل
المعاونون	**م.م/ احمد ابراهيم طلوبة – م/نهى مصطفى علاء الدين**

مجموعة (٢)

القسم	**IT&CS**
اسم المشروع	**Virtual classroom**
المشرف	**د/ مرغني حسن محمد**
أسماء الطلاب	١- دعاء على احمد ٢- ساره جلال عبدالحليم ٣- احمد محمد وشهرته نور محمد ٤- احمد سعد على ٥- دعاءعبدالناصرعبدالشكور
المعاونون	**م.م/ احمد ابراهيم طلوبة – م/نهى مصطفى علاء الدين**

نبذة عن المشروع

Virtual classroom

This project aims to establish a virtual classroom, wherein the lecturer at a remote computer presenting his lectures with voice, messages and with a web camera taking the continuous image of the teacher and is being streamed by a steaming server and the voice of the teacher being encoded by the server and a chat server handling the message transfer between the teacher and the login clients. The server manages all the client requests through mapping the requested class links to the respective IP address of the teacher taking the particular class. At the server side a scripting language like php would be used to update or create any new classes to the database and those updating and creation will be available to each client. On the client machine, all the available class links will be displayed after login. The student can choose to any classroom and attend the class and send doubts/queries through messages, handled by the chat server.

القسم	**IS&IT**
اسم المشروع	**Criminals detection Using Mining video in publicity available cameras**
المشرف	**د/ مرغني حسن محمد**
أسماء الطلاب	١- نرمين اسماعيل محمود ٢- منار محسن سعد ٣- منار حمدى حسن ٤- أمنيه محمود سيد ٥- انهار كمال محمود ٦-نسرين محمد مصطفى
المعاونون	**م.م/ احمد ابراهيم طلوبة – م/نهى مصطفى علاء الدين**

نبذة عن المشروع

Criminals detection Using Mining video in publicity available cameras

This project aims to build a system for discovering the Criminals in any ceremony which has gathering of people using data mining techniques. Two important phases must be considered to establish this system: feature extraction face and detection face. 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 he incoming feature vector to one of the two image classes.

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القسم	**IT&IS&CS**
اسم المشروع	**Developing 3D optical scanner**
المشرف	**د. خالد فتحي حسين**
أسماء الطلاب	١- نشوي العربي فواز ٢- ابتسام حسن احمد ٣- سميه محمد حسام ٤- حبيبه حمدي عبد الكريم ٥- نشوي محمد عاطف
المعاونون	**م / مصطفى ابوبكر**

نبذة عن المشروع

Developing 3D optical scanner

Over the last decade digital photography has entered the mainstream with inexpensive, miniaturized cameras routinely included in consumer electronics.Digital projection is poised to make a similar impact, with a variety of vendors offering small form factor, low-cost projectors. Laser scanners are used for acquiring depth information, but they are expensive. 3D optical scanner can do the same job as laser scanners and optical scanner is cheaper. In this project, we construct a 3D optical scanner using a projector and camera(s). It essentially relies on the mathematics of triangulation. Scanning the object provides the depth information about the shape of the object.

القسم	**IT &CS**
اسم المشروع	**Developing 3D Virtual camera rig software**
المشرف	**د. خالد فتحي حسين**
أسماء الطلاب	١- شيماء عوض الله يوسف ٢- سارة عمر يوسف ٣- صبرين حسانين طه ٤- عزه عشري قبيصي
المعاونون	**م/اسلام طه جندي**

نبذة عن المشروع

Developing 3D Virtual camera rig software

Following the release of Toy Story, we have seen a massive shift from hand drawn pictures to 3D modeling and rendering techniques in animation studios. In a 3D animation movie, all the scenes and actors are already computer models evolving in a 3D world. In the mathematical realm of programmable computer models, it is tempting to create a 3D rig that takes care of itself and provides you with the result you want bypassing most of the guessing games of 3D setups. Such rigs are called result driven rigs and are widely used in animation studios. The user places the near and far planes on the closest and farthest object seen by the camera and sets near and far parallax values. The rig computes the interocular distance, the convergence angle (most likely applied via image plane shift), and the position of the screen plane.

القسم	IT &CS
اسم المشروع	**chroma keying**
المشرف	**د. خالد فتحي حسين**
أسماء الطلاب	١- زمزم محمد عابدين ٢- هند محمود عثمان ٣- هبه سلطان علي ٤- أسماء احمد هاشم ٥- أمل جمال عيد
المعاونون	**م/ محمود ناصر عفيفي**

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, greenscreen, and bluescreen. 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	**IS&IT**
اسم المشروع	**Developing 3D model searching software, and motion capture**
المشرف	**د. خالد فتحي حسين**
أسماء الطلاب	١- فاطمة همام أبو الوفاء ٢- عزة علي فهمي ٣- هبة محمود عبيد ٤- آيات محمود علي ٥- شيماء صلاح الدين علي ٦- آمنه مصطفي شحاتة ٧- هدير حسين عبد الحميد ٨- مني احمد سيد
المعاونون	**م/اسلام طه جندي**

نبذة عن المشروع

Developing 3D model searching software, and motion capture

Because of recent advances in graphics hardware and software, both the production and use of 3D models are increasing at a rapid pace. As a result, a large number of 3D models have become available. Query and retrieval can be done solely based on associated text, as in image retrieval, for example (e.g. Google Image Search). Several 3D model search software packages have become available within the last few years. Some 3D model search software supports only text queries, while others provide “content-based” queries based on shape. Also, in this project the students will learn how to use the motion capture system.

القسم	**IS&IT&CS**
اسم المشروع	**Cloud Computing**
المشرف	**أ.د/ عادل أبو المجد سويسي**
أسماء الطلاب	١- محمود جمال طه ٢- هيام حمدي محمود ٣- سارة محمد طواب ٤- حنان حسن معبد ٥- شيماء عبد الناصر فوزي حسن
المعاونون	**م/ هشام شحاتة جلال**

نبذة عن المشروع

Cloud Computing

Our Graduation project talk about **Cloud Computing** and how to develop web Application on it **Cloud Computing Platform** so exited due to it had its development storage , database and back processing system environment this make application when run on cloud more superior.

All existing cloud platforms support this general advantage and the huge companies that make this(Microsoft Azure platform , Google App engine platform and Amazon) there more companies also has its own cloud platform but this is the most famous companies .

We use Microsoft Azure platform and migrate our application on it ,our web application near to desktop application by using development storage of Azure on asp.net ; How? any web application run in Azure platform consisting at least web Role and Worker Role

web Role is the interface to Users when user make action or acquire a service we Create Message queues that send to Worker role and for Every message do specific action its different about any standard Server due to worker Role is aback processing of Azure and azure platform setup on more than one server it may be setup on thousand on server

this mean that any processing in Worker Role run on all of this server.

We offer two services on this platform for users first searching about image in the images stored in development storages and Convert pdf file to word every application must send a unique message to deal it in worker role

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

أ.د/ حسنى محمد ابراهيم

4- Building Visual Maps With a Team Of Mobile Robots

د/ نجوى محمد عمر

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

أ.د/ يوسف بسيونى مهدى

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

د/ تيسير حسن عبد الحميد

19- Student Registration and Learning Management System FCI Portal
20- Read With Me
21- The virtual store

د/ عبد الرحمن حيدر

22- Electronic and Secure System for Public Voting

23- Virtual classroom

24- Criminals detection Using Mining video in publicity available cameras

د/ مرغنى حسن محمد

25- Developing 3D optical scanner

26- Developing 3D Virtual camera rig software

27- chroma keying

28- Developing 3D model searching software, and motion capture

د/خالد فتحي حسين

29- **Cloud Computing**

أ.د/ عادل أبو المجد سويسي

مشاريع 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

مشاريع 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

مشاريع د/ تيسير حسن + أ.د/ احمد محمد حمد
معمل (٢أ) 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)
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17- Developing an Online Elections System
18- Developing an online Diabetes System

مشاريع 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**

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

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**