

جامعة بغداد / كلية العلوم / قسم علوم الحاسوب / العام الدراسي ٢٠١٥ - ٢٠١٦

مشاريع تخرج المرحلة الرابعة / الدراساتين الصباحية و المسائية

ت	اسم الطالب	اسم المشرف	اسم المشروع	الخلاصة
1	احمد صلاح الدين	م.د.سعد المؤمن	Design a Responsive Website For the Baghdadi Museum	<p>Responsive design has several advantages over a lesser modern web design techniques like “adaptive”, as it works on the principle of flexibility or adaptability that attempts to optimize the user experience across different devices, adjusting for different viewport sizes, resolutions, usage contexts, control mechanisms, and making the website work well at low resolutions on very small screens, very large screens, and at any resolution in between.</p> <p>The website is designed by Html5,Css3,Bootstrap and jQuery</p>
2	احمد قيس	م.م.زيد هاشم	Implementation Server and Client IM System	<p>This project presents the design and implementation of a client / server chatting system by using server with specifications of specifications of core i7processor, 8GB RAM, 500 GB Hard Disk and two NIC as a physical resources and visual studio and SQL database as a software resources. The objective from the design and implementation of the proposed system is to facilitate the communication between users to obtain an effective channel between them and to improve the ability of companies for deal making.</p> <p>The server is mainly deployed depending on client / server model, multiple clients requests the same server and the server response by granting the clients requests. The clients and the server are connected to each other's by using a network device (Router). All the input and output is via Graphical user Interfaces (GUI) system to ease the system use. All client messages are passed through the server as a kind of control and the server does not allow multiple users to get the same nickname. User interfaces are designed using visual studio tools and programmed by using visual basic .net programming language whereas the SQL server</p>

3	اديان احمد	م.د.نجلاء محمد	نظام إدارة قواعد بيانات مخزن لعلوم الحاسبات مشروع	<p>2012 is used as a database.</p> <p>لقد دخل الحاسب الآلي في مجالات الحياة و ظهر أثره في حلّ العديد من المشاكل التي تعاني منها الشعوب والأفراد . و من تلك المشاكل القدرة على تخزين كم هائل من البيانات و ما يترتب عليه من أسلوب حفظ و أسترجاع و فهرسة تلك البيانات والتي تتطلب جهد و تكلفة تحتاج إلى وقت طويل و على سبيل المثال أسلوب حفظ بيانات مخزن لكلييه معينه مثلاً" قسم علوم الحاسبات ، و لقد كان الإعتماد حتى الآن على العنصر البشر فهو الذي يقع عليه العبء كله تقريباً إبتداء من إستقبال البيانات حتى فهرستها لحفظها ناهيك عن العوامل الطبيعية التي تتعرض لها أوساط الحفظ الورقية و كل هذه العمليات تستغرق وقت طويل و الوقت مهم ، تشهد نظم المعلومات التعليمية و التربوية تطوراً في عدد كبير من الدول و المؤسسات التعليمية في تقديم الخدمات عن طريق وسائل التقنية الحديثة من خلال طرق و أساليب النظام و الشبكات المفتوحة و المغلقة ، فإحتياجات القطاع التعليمي من تحسين و تطوير نحو إستخدامات برامج السجلات والملفات من خلال التقنية الموجودة من كل ما سبق حيث تكلمنا فيه عن الحاجة الماسة إلى من هكذا نظام حيث ننظم البيانات و نفهرسها حسب هيكله معينة و كذلك لتطوير الواقع التعليمي في البلد . ولقد تناولنا في هذا التقرير أهداف النظام و سبب إختيار المشروع و مميزات النظام و شرح بسيط عن قواعد البيانات و اللغات المستخدمة في النظام . و كما تحدثنا عن شرح أكثر اللغات المستخدمة في النظام و طرق الربط بين هذه اللغات . و أيضاً تحدثنا عن واجهات النظام و طريقة عملها بواسطة الكود و جداول قواعد بيانات النظام و عن الإستنتاجات و التوصيات التي يتم العمل عليها</p>
4	اسيل سعد	م.م.اسراء هيثم	Temperature Controller Using Arduino	<p>It is important to tell that " Temperature Controller" is an important thing to use in the world that full of technology ,it will make an easy temperature controlling system to a specific location such as "Server Room " that shown in this project.</p> <p>This project will be so efficient for mentors that need to watch the temperature of the server room because it is important to keep this room cold for the maintenance of equipment.</p> <p>To solve this problem a controller is used, Arduino is a controller that easy to use , easy to program and easy to solve controlling problems with</p>

				<p>high efficiency.</p> <p>This project can be used as an example to show the abilities of the Arduino board where a lot of people do not know about it .</p>
5	اية فاضل	ا.م.د.لؤي ادور	Signature Recognition	<p>The signature of a person is an important biometric attribute of a human being which can be used to authenticate human identity. However human signatures can be handled as an image and recognized using computer vision and Statistical techniques. With modern computers, there is need to develop fast algorithms for signature recognition. There are various approaches to signature recognition with a lot of scope of research. In this paper, off-line signature recognition & verification using Statistical methods is proposed, where the signature is captured and presented to the user in an image format. Signatures are verified based on parameters extracted from the signature using various image processing techniques. We describe a method to identify the handwriting signature. There are many methods for signature verification, but most of them require segmentation or connected component analysis. A robust Verification technique for identifying and verifying human-signature images is presented. The Verification process utilizes the determinant value that produces the features for the handwritten signature. The image values are calculated by dividing the image into 16*16 blocks and then found 5 types of features for each block then building a template for each to signature calculate the distance between each feature in a block to signature and the template for the same signature, if a distance was less this means that this feature represent the signature. Then use the same distance rule to determine the similarity between the features of signatures are stored in the database file with the features extracted from the image of the new signature wanted tested. Where the feature that</p>

				gives less distance will represent this signature.
6	بان سعد	م.د.غادة كاظم	Medical Image Compression	<p>Medical image compression is a serious issue in computer storage and transmission, because its cuts costs and saves time, that characterized by preserving image quality as the original without any degradation, at the expense of compression performance.</p> <p>This project is concerned with utilizing hybrid base technique of polynomial coding technique to exploiting the spatial domain; along with wavelet transform of frequency domain, to improve the compression performance</p>
7	تمارة حيدر	م.م.وجيه عبدالغني	Data Mining Using Naive Bayes	<p>Naive Bayes classifier is the simplest among Bayesian Network classifiers. It has shown to be very efficient on a variety of data classification problems. However, the strong assumption that all features are conditionally independent given the class is often violated on many real world applications. Therefore, improvement of the Naive Bayes classifier by alleviating the feature independence assumption has attracted much attention. In this paper, we develop a new version of the Naive Bayes classifier without assuming independence of features. The proposed algorithm approximates the interactions between features by using conditional probabilities. We present results of numerical experiments on several real world data sets, where continuous features are discretized by applying two different methods. These results demonstrate that the proposed algorithm significantly improve the performance of the Naive Bayes classifier, yet at the same time maintains its robustness.</p>
8	تيسير قيس	م.د.طريف كامل	Archive binders	<p>The main work of the project is to archive binder's personal staff. We know the principle of work of the Human Resources Department and</p>

				<p>binders is the most important part in its work.</p> <p>From my presence in this section for a period of five years, I noticed that the workers on the archive binders suffer from several problems, including the loss of time in the storage process and the large number of errors in the tabulation process binders according to registration numbers, as well as the administrative difficulty of retrieving the book to be displayed.</p> <p>This project will contribute to solving these problems and facilitate the work of those who support it.</p> <p>The goal of the program is to make things easier to deal with binders and preserved from loss and to avoid the mistakes most roses, for example, the papers overlap archived among several employees because of the similarity of names, but in this project cannot happen because I was adopted in the matter of administrative stored on employee number registered to avoid mistakes as well as the work easier for the input and effort of employees less storage and retrieval process</p>
9	حسام مزهر	م.م. علي سامي	SQL Injection Attack, Detection and Prevention Based on PHP & MySQL	<p>Web sites are dynamic, static, and most of the time a combination of both. Web sites need protection in their database to assure security. An SQL injection attacks interactive web applications that provide database services. These applications take user inputs and use them to create an SQL query at run time. In an SQL injection attack, an attacker might insert a malicious SQL query as input to perform an unauthorized database operation. Using SQL injection attacks, an attacker can retrieve or modify confidential and sensitive information from the database. It may jeopardize the confidentiality and security of Web sites which totally depends on databases. This report presents a "code reengineering" that</p>

				<p>implicitly protects the applications which are written in PHP from SQL injection attacks. It uses an original approach that combines static as well as dynamic analysis. In this report, I mentioned an automated technique for moving out SQL injection vulnerabilities from Java code by converting plain text inputs received from users into prepared statements.</p> <p>Injection attack is the most critical website security risk, and SQL-injection attack is the most reported injection attack on websites. This project strives to find an answer of why SQL-injections still remain as one of the most common website vulnerabilities. A questionnaire was conducted where companies and organizations answered several questions about their awareness, experience and knowledge of SQL-injections. After statistical analysis, results was found that indicate that there are many reasons behind SQL-injection vulnerabilities, for example many companies and organizations begins to sanitize input data after the attack, and others don't know what SQL-injection is. This project will also contribute to the general awareness of SQL-injections; a wake-up call for developers, professors, researchers and students that are designing and programming databases and websites.</p>
10	حيدر كاظم	ا.م.د.لؤي ادور	Online Hotel Reservation	<p>This project aims at developing a web based application " An online hotel reservation system " through which customers from any location can book hotel rooms through the internet.</p> <p>Customers can check availability of rooms , map to the location of the hotel , and also can choose additional things such as bed , pillow , towel and extra guest kit.</p> <p>The administrator will know the details of reservations that are stored in</p>

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				the data base, can add or update the room information , checks empty and reserved rooms , check reservations on a specific dates and daily income.
11	رسل سمير	م.م.سرى عبد سراب	التشفير الجزئي على الصورة باستخدام بلازما ترميز صورة	<p>Security and media data is considered an essential tool due to the rapid development of the digital exchange of data across insecure networks. Data security was achieved by methods of cryptography, which deals with data encryption. The main objective of this research is the integration between the methods of cracking encryption algorithms with the picture in order to increase the possibilities of encryption.</p> <p>in the project we presents a new method that combines the extracting color techniques and the image cryptography algorithm.</p> <p>I doing this algorithm in order to produce image with high noise only the authorized person can see it.</p> <p>For do this algorithm we used the partial encryption and plasma fractal .</p> <p>I learned from this project that this method gives more security and confidentialit of the information .</p> <p>This method was used in order to protect the information from unauthorized people , because this method provides the security and confidentiality of the information of violation.</p>
12	رغد رائد	م.د.فانن عبدعلي	دليل المعالم الاثرية والسياحية في العراق	<p>كدليل متكامل HTML, CSS & JAVASCRIPT المشروع عبارة عن موقع الكتروني مصمم بلغة في السياحة والاثرية في العراق الغرض منه القاء الضوء على اهم تلك المعالم الموجودة للمعالم واضح ويكون سهل المتابعة من قبل المتصفح. الحبيب بشكل مفهوم و بلدنا الفيديوهات والصور مع والمناطق الاثرية لأهم الاصناف السياحيةList حيث يحتوي الموقع على بلدنا وامجاده العريقة وتراثه القديم. التوضيحية حيث يوفر امكانية للمتصفح على التعرف على تاريخ عبر الموقع وتم ذلك من وكذلك يمكن الحجز من قبل المستخدم لأي رحلة سياحية</p>

				PHP . خلال انشاء قاعدة البيانات واستخدام لغة
13	رغد كاظم	ا.د. فيصل غازي	Image segmentation using Edge relaxation and Border tracing methods	This project is deals with the implementation of image segmentation. In computer vision, image segmentation is the process of partitioning a digital image into multiple segments (sets of pixels, also known as superpixels). The goal of segmentation is to simplify and/or change the representation of an image into something that is more meaningful and easier to analyze. Image segmentation is typically used to locate objects and boundaries (lines, curves, etc.) in images. More precisely, image segmentation is the process of assigning a label to every pixel in an image such that pixels with the same label share certain characteristics.
14	رفل أليث	م.د. طريف كامل	Programing Apriori Algorithm For Supermarket	Apriori Algorithm is the most popular and useful algorithm of Association Rule Mining of Data Mining. As Association rule of data mining is used in all real life applications of business and industry. Objective of taking Apriori is to find frequent itemsets and to uncover the hidden information. In this project we are going to use Apriori algorithm in supermarket to find the frequent item in products and also find most product are sold.
15	رهام هادي	م.م. فراس محمد كاظم	Windows Phone-Based Helpdesk Application	Helpdesk is a generic name typically associated with the end user support center. Helpdesk is service desk management application for technicians and service desk managers who need to respond to requests anywhere at any time. It also provides IT support and others, to help users (employees) in companies to do their tasks effectively and efficiently. It is usually a centralized point within a company. Still a lot of companies want to create own application to perform that functional help for their employees. Therefore, the main purpose of this project is to design and implement Windows Phone-based Helpdesk

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				Application in order to provide a service desk for ensuring that employees receive appropriate help for the problems they experience with hardware, software and etc. in a timely manner.
16	زكي غياث	م.م. نهلة عبدالرحمن	Design And Implementation of Wavelength Division Multiplexing Passive Optical Network modeling Using Optical System Simulator	Due to the continuing demand for larger bandwidth, the optical transport becoming general in the access network. Using optical fiber technologies, the communications infrastructure becomes powerful, providing very high speeds to transfer a high capacity of data. Existing telecommunications infrastructures is currently widely used Passive Optical Network that apply Wavelength Division Multiplexing (WDM) and is expected to play a significant role in the future Internet supporting a large variety of services and next generation networks. My project presents a design of WDM-PON network, the simulation and analysis of transmission parameters in the Optisystem 7.0 environment for bidirectional traffic. The simulation shows the behavior of links of optical fiber when the signal goes through all the elements such as optical fiber, splitters, multiplexers and find a good quality of signal in all receivers. The system performance is presented through various parameters such as BER analyzer, Eye Diagram and Qfactor
17	زهراء عبد	م.م. غصون غازي	موسوعة الاعشاب الطبية	لقد دخل الحاسب الآلي في مجالات الحياة وظهر أثره في حل العديد من المشاكل التي تعاني منها الشعوب والأفراد . ومن تلك المشاكل عدم القدره على تخزين كم هائل من البيانات ومايترتب عليه من أسلوب حفظ وأسترجاع وفهرسة تلك البيانات والتي تتطلب جهد وتكلفه تحتاج الى وقت طويل وعلى سبيل المثال أسلوب حفظ بيانات طلاب ومدرسين مدرسه والطلبة بالمعاهد والكليات ...، ولقد كان الاعتماد حتى الآن على العنصر البشري فهو الذي يقع عليه العبء كله تقريبا ابتداء من استقبال البيانات حتى فهرستها لحفظها ناهيك عن العوامل الطبيعيه التي تتعرض لها أوساط الحفظ الورقيه وكل هذه العمليات تستغرق وقت طويل والوقت مهم . تشهد نظم المعلومات التعليميه والتربويه تطورا في عدد كبير من الدول والمؤسسات التعليميه في تقديم الخدمات عن طريق وسائل التقنيه الحديثه من خلال طرق وأساليب النظام والشبكات المفتوحه والمغلقه ، فاحتياجات القطاع التعليمي من تحسين وتطوير نحو

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			استخدامات برامج السجلات والملفات من خلال التقنيات الموجوده. لقد بينا في هذا البحث اهداف ومميزات النظام وسبب اختيار المشروع وشرح بسيط عن قواعد البيانات واللغات المستخدمه فيه بلاضافة الى طرق الربط بين هذه اللغات.
18	زهراء عبدالمجيد	م.د.مهدي دعيمي	لشركه بيانات قواعد نظام وتنفيذ تصميم بضائع شحن والجهد الوقت وتوفير وتسريع بتسهيل قام حيث البشرية، الحياة مناحي كافة شمل التكنولوجيا التطور فكلما السنوية أو الدورية أو اليومية حياتهم في يحتاجونها التي الخدمات لتقديم انفسهم البشر على تطورت يغفلوا لم المبرمجين أن حيث عليها، تعمل التي والبرامج بالتطبيقات تطورت رافقها الالكترونية الاجهزة هذا تحصى ولا تعد لا خدمات لتقديم معينة برامج طريق عن الإللكترونية القدرات هذه بتسخير فقاموا الجانب حسب للتنقل الحاجة دون مكانه من عديدة خدمات على الحصول يستطيع الانسان أن لدرجة والحاجة، الرغبة إلى الوقت نفس في ليتواجدو اشخاصا نفسه عن يستنسخ فكأنما الخدمات، هذه تقدم التي المعنية المؤسسات في تقريبا ما وهو العالم، دول كافة اليه تسعى وما لمواطنيها المتقدمة العالم دول تقدمه ما وهذا مختلفة، اماكن يسمى الشرائية بالخدمات يعنى وهو الإللكترونية بالتجارة يسمى آخر مصطلح وهناك الإللكترونية، بالحكومة . سابقه عن شأننا يقل ولا للأفراد خدمات ايضا يقدم لكنه والتجارية، أنها حتى اليومية حياتنا إلى بالدخول أخذت والتي الحديثة التعابير من واحدة الإللكترونية التجارة تعتبر أصبحت والاتصالات المعلومات تكنولوجيا بثورة ارتباط ذات هي والتي الحياتية الأنشطة من العديد في تستخدم التجارة نشاط إلى تشير والتي، "التجارة" وهو الأول، أن حيث مقطعين، إلى نقسه أن يمكن تعبير الإللكترونية اقتصادي وأنظمة قواعد عدة وتحكمه والأفراد والمؤسسات الحكومات بين والخدمات السلع تداول خلال من يتم يمكن التجارة، أداء لمجال وصف إلى يشير فهو "الإللكترونية" الثاني المقطع أما دولياً، بها معترف بأنه القول

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				<p>ويقصد الإنترنت مثل الإلكترونيات والأساليب الوسائط باستخدام التجاري النشاط أداء به البضائع شحن عمليات وتنظيم تسريع في البيانات قواعد انظمة تساهم كيف تناولت البحث هذا وفي وتسويقها الشركات عمل ادارة لتسهيل البيانات قواعد انظمة بأستخدام الشركات داخل</p>
19	زهراء فلاح	م.د.غادة كاظم	CURRENCY RECOGNITION	<p>Currency recognition is one the active research area at present, that essentially base on the image processing technology to identify the currency either real or fake automatically and reliably. This project is concerned with utilizing three techniques to help and facility the detecting fake notes, the first one based on the statistical measure, while the second utilize the edges histogram and finally exploited the color space. The results showed the system is fast and efficient to recognize the currency.</p>
20	زهراء كريم	م.د.مهدي دعيمي	Online Tourism Reservation System	<p>This project presents the design and implementation of an online bus reservation system. The proposed system is implemented and designed using server with specifications of core i5processor, 6GB RAM, 500 GB Hard Disk and Network Interface Cards (NIC) as a physical resources and WAMP server, MySQL database as a software resources. The objective from the design and implementation of the proposed system is to facilitate the process of customer reservation of tours at any time anywhere via internet. Multiple programming languages is used for the programming of the proposed system like Hypertext programming language (PHP), Hypertext Markup Language (HTML) and JavaScript while MySQL is used to create and build the database base which used to store information about tours and reservation data.</p>
21	زهرة صباح نوري	م.م.اسراء هيثم	Image Cartoonizer	<p>Cartooning is one of the most extensively used procedures, be it a gaming world, animation or the entertainment industry. The aim of this</p>

				project is cartooning a given image. Edge detection and quantization are used for cartooning the given image.canny edge detector to detect edge, and using the uniform quantizer for smoothing and quantizing the colors in the image.
22	زيد ثائر جواد	م.د. عماد جاسم	Game Development with Unity3D	Game designing is a really interactive and creative part of modern IT culture. This has motivated various developers to create interesting games generally do not have citations. In my project i used one of the Open source game engines (UNITY 3D) to create a 3D game designed and implemented and programmed by C# Programming Language using (MonoDevelop) platform provided by Unity engine, game objects downloaded from Unity Store and Other web sites that provided a free Models. the game revolves around a little boy has a nightmare where he finds himself shrunk and alone in his room. From the shadows, from behind the drawers and from a mouse hole, teddy bears start emerging. Having all turned to zombies, they want to harm him. Two well-known and efficient existing pathfinding algorithms for 3D games and simulation projects are Breadth-First Search (BFS) and Dijkstra Algorithm. Among them Dijkstra is one of the most famous path finding algorithm being used in 3d Games and Simulation project now a days.
23	زينب حمزة	م.د. عبدالرضا الموسوي	Password and Keystroke Dynamics for User Authentication System using Probabilistic Decision Base Neural Network	Computer security has become an important issue in recent times. It has become necessary to control the access to computer due to more and more sensitive information being stored on them. Traditionally password or its numerical form, sometimes called a passcode, is a simple and user friendly authentication method used to logs into host computer (or an automatic teller, or a telephone banking system, or any other type of terminal). However, correct entry of password or passcode in response to computer's challenge may not be sufficient to guarantee

				<p>a user identity. Some users may disclose their passwords to other people. Even if it has not disclosed, a resourceful intruder can sometimes guess a password, or a transmitted password might be intercepted by wiretapping.</p> <p>This project address the problem and suggested a defense in depth user identification system based on password and keystrokes dynamics features were Dwell Time(DT) of the key time interval where that key remained pressed, and keystroke latency or Flight Time(FT) time interval between two successive keystrokes using Probabilistic Decision Base Neural Network (PDBNN). PDBNN has merits of both neural and statistical approaches. The discriminant function of PDBNN is in form of probability density function, this yields low false acceptance and false rejection rates. In addition, its architecture is beneficial for hardware implementation</p>
24	زينب شاكر محسن.	م.م.مصطفى سلمان	The remaining life expectancy for patients who had undergonesurgery for breast cancer using naïve bayes model	<p>Breast cancer is known as the most common invasive cancer type among women and automatic breast cancer detection systems are in demand. Thus, various machine learning and pattern recognition techniques have been proposed to detect breast cancer. One of these techniques is the Bayes classifier. Naïve Bayesian (NB) is known to be a simple classifier, which is based on the Bayes theorem. There have been so many applications used in literature. In this paper, a new NB (weighted NB) classifier was proposed and its application on breast cancer detection was presented. Several experiments were conducted to evaluate the performance of the weighted NB on the breast cancer database. (A new classifier for breast cancer detection based on Naïve Bayesian, 2015).</p>
25	سجى علي	م.م.فراس محمد كاظم	e-School Management System	e-School Management System is a comprehensive web-based School Management Software. It is designed for better interaction between

			<p>students, teachers, parents and management. The software being web-based can be accessed from anywhere in the world, which enables the students, teachers, parents & the management be in touch with each other at all times.</p> <p>This system manages all the activities held in a particular institution. First the school mainly concentrates on the student. As soon as the students get the admission, his/her details will be saved in the database and a unique number will be given to them. According to it, the classes will be allocated. The system will set exam dates for each class. As soon as the exam is done, each student's marks will be saved and for each student, this marks card will be printed. Any reports can be viewed.</p>
26	سجى مناف	م.م. ايناس علي	<p>حقيبة علمية لمادة التصميم المنطقي</p> <p>لقد أدى الاهتمام بالتعلم الفردي إلي ابتكار أنظمة من التدريس، ولعل من أهم هذه الأنظمة التي ازداد شيوعها التدريس عن طريق تصميم وإعداد وحدات صغيرة ومتكاملة، يمكن عن طريقها تنويع مصادر وأساليب التعلم والمواقف التعليمية بحيث تؤدي إلي تهيئة مجالات الخبرة التي تسمح للتعلم بالتفاعل مع عناصر هذه المواقف، حتى يمكن أن يحقق أهدافا تعليمية محددة، ويصل إلي مستوي الأداء المطلوب لكل هدف من هذه الأهداف ويسير كل متعلم حسب قدرته وسرعته. ولقد انتشر استخدام الحقيبة التعليمية انتشارا واسعا في جميع المراحل التعليمية بالولايات المتحدة الأمريكية، وأصبح يشكل الركيزة الأساسية لنظام التعلم الذاتي والذي يطلق عليه التعلم بواسطة الوحدات التعليمية الصغيرة. ويرجع الاهتمام الذي حظي به التعليم بواسطة الحقيبة التعليمية إلي فاعليته في تحقيق العديد من الأهداف التي ينادي بها التربويون مثل إعطاء الفرصة للتعلم كي يعلم نفسه بنفسه تحت إشراف المعلم، وإتاحة الفرصة أمام المتعلم لكي يختار بحرية من الأنشطة المختلفة ما يتلاءم مع ميوله واستعداداته، ولقد ظهرت عدة ، Micro Courses / Mini Courses مسميات للحقيبة التعليمية مثل المقررات الدراسية المصغرة Learning Packages ، رزم (حقائب) نشاط التعلم - Learning Packages الرزم الحقائب التعليمية ورغم تشابه هذه - Modular Instruction ، والتعليم بالوحدات الصغيرة - Activity Packages المسميات إلا أن مصطلح " الحقيبة التعليمية " هو الأكثر شيوعا في الأوساط التعليمية.</p>

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مشاريع تخرج المرحلة الرابعة / الدراساتين الصباحية و المسائية

				في هذا المشروع تم تصميم حقيبة تعليمية لمادة التصميم المنطقي والتي تضمنت الفصول الثلاثة الاولى للمادة وفقا للمقرر الدراسي للفصل الاول والتي تدرس لطلبة المرحلة الاولى في قسم علوم الحاسوب تم استخدام لغة فيجوال بيسك ٢٠٠٨ للتصميم. بكلية العلوم لجامعة بغداد.
27	سرى محمد خميس	م.د.فاتن عبدعلي	موقع إلكتروني وإدارة مستشفى مع حجز موعد عبر الأنترنت	ان الهدف الرئيسي من المشروع هو تصميم موقع الكتروني لإدارة مستشفى مع حجز موعد عبر الانترنت ، الغرض منه التركيز على تواصل المرضى او المراجعين مع المستشفى بصورة سهلة وسريعة لتوفير الوقت والجهد، مع تحديد مواعيد الحجز لدى اطباء المستشفى. ASP.NET , CSS & SQLserver الموقع الالكتروني تم تصميمه باستخدام مجموعه من اللغات البرمجيه (SQLserver). يحتوي هذا الموقع صفحات تتضمن المعلومات الخاصة بالأطباء ونوع الخدمات الطبية المقدمة للمرضى وتمكين المريض من ان يختار الطبيب المعالج من خلال قاعدة البيانات والمعلومات، حيث يمكن للمريض الحجز والاستفسار في أي وقت ومن أي مكان . كما يحتوي المشروع على لوحة تحكم تكون خاصة بإدارة المستشفى للتحكم في إضافة واسترجاع معلومات الأطباء وأقسام المستشفى وكذلك مواعيد الحجز . عرض هذه المعلومات عن طريق SQL server وقد تم إضافة هذه المعلومات باستخدام لغة لكي تعرض بشكل واضح ومفهوم ولكي يفيد كل الفئات.VS.NET
28	سمر خضير عباس	ا.م.د.لؤي ادور جورج	Online Marketing	Online marketing system project covers data flow diagram, sequence pages and database tables. Main aim of this project is to develop a web based software application through which we can buy, sell different types of products. Also users can buy products from any location through internet. Users can select best product from different brands by comparing costs and features. The objective of this project is to develop a general purpose e-commerce store where any product (such as books, CDs, computers, mobile phones, electronic items, and home appliances) can be bought from the comfort of home through the Internet.
	سمير عبد دلف	م.م.نهلة عبدالرحمن	Text Recognition Use Hopfield Neural Network	Interest in the area of pattern recognition has been increasing rapidly due to emerging applications, which are not only challenging but also

				<p>demanding. Feature extraction is a special form of dimensionality reduction in pattern recognition. Our goal is to introduce a simple feature extraction technique for pattern recognition. Pattern recognition is the study of how machines can observe the environment, learn to distinguish patterns of interest from their background and take reasonable decision about the categories of the patterns. During last 50 years of research, attempts have been made by different researchers to develop a general-purpose machine pattern recognizer depending on different algorithms like template matching, statistical approach, artificial neural network etc. In this paper an approach of scale and translation independent feature extraction technique has been presented and analyzed with the help of Hopfield network. This technique is very useful for extraction of feature of shape of an object. It can be applied in the area of image processing, synthetic aperture radar, robotics etc., where detection of shapes of a digitized image or video stream are required.</p>
29	شمس عدنان	ا.م.عهد سعدي	Football Tickets System	<p>The aim of the project was to create a reliable and easy to use ticketing system for use by all the World . the major goal of the project were to:</p> <ol style="list-style-type: none"> Create a system which make it easier for customer to purchase the ticket that they want. To create a more efficient and modern system for providing entry to the ground on <p>match day which will reduce cost on a match-by-match basis.</p>

				<p>c) To provide a fairer system for distributing tickets for away matches. This dissertation</p> <p>discusses the design and implementation of the project and what has been achieved.</p>
30	شيماء عبدالمجيد	م.د.فاتن عبدعلي	موقع و نظام تعليمي للاطفال ذوي الاحتياجات الخاصة	<p>لذوي html , css & javascript هو عبارة عن نظام تعليمي و موقع الكتروني بلغة الاحتياجات الخاصة ، الغرض منه هو القاء الضوء على هذه الفئة المهمشة من المجتمع و شرح الطرق العلمية اللازمة لذويهم لمساعدتهم في اوصول المعلومة لأطفالهم حيث يحتوي هذا الموقع على صور وفيدوهات وتسجيلات صوتية لجذب اهتمام الاطفال وحثهم وترغيبهم في التعليم ويوجد ايضا اختبارات بسيطة لمعرفة مدى استيعابهم وتقديمهم في التعليم ، ويحتوي هذا الموقع على صفحة تسجيل للاطفال وذلك لأمكانية عمل تسويق للموقع وجعله موقع خاص بمدرسة معينة حيث يحتوي هذا الموقع على php يحتوي فيه المعلومات اللازمة عن كل طفل . ان هذا الجدول تتم اضافة بياناته عن طريق table .</p>
31	شيماء كنعان	ا.م.عهد سعدى	نظام مكتبة الكترونية	<p>يسعى البحث لبناء قاعدة بيانات علائقية ، حيث تم تصميم نظام يوفر للمكتبة تعريف الهيكل العام لقاعدة البيانات الخاصة بمعلومات اطاريح الدراسات العليا للمرحلتين (الدبلوم والماجستير) ومن ثم اجراء المعالجات المطلوبة وذلك من خلال تعريف اسماء الحقول وتحديد انواعها وسعتها وطبيعتها من حيث استخدامها للمفاتيح ، كما يوفر النظام امكانية اضافة واسترجاع وتحديث السجلات عند الطلب وعن طريق نظام تفاعلي مبني على اسلوب قوائم الاختيارات ، وقد استخدمت عبارات ومفاهيم بسيطة ومألوفة لتسهيل عملية استيعاب المستفيدين وتفاعلهم مع النظام بالشكل المطلوب . وتم تصميم النظام بالاستفادة من ال ٢٠٠٨ Microsoft access لما توفره هذه اللغة من امكانية لادارة قواعد البيانات وصممت الواجهات بأستخدام لغة V.B 2008 عالية في تصميم الواجهات والتحكم بالمدخلات بشكل مرئي وحسب ما يطلبه المستخدم والتحكم في معالجة المعلومات الموجودة في قواعد البيانات عن طريق التمكن من الحذف والتعديل على في قواعد البيانات وانشاء command خاصة للانتقال بين سجلات قواعد البيانات السجلات وبيئة نظام التشغيل Windows7 وتم الاستفادة من خصائص نظام التشغيل المستخدم والتطبيقات والتطبيقات المعتمدة عليه في تصميم وبرمجه متطلبات النظام المقترح</p>

32	ضحى حسين	م.قصواء خالد عبود	Medical Image Security for Grey Image	<p>Medical imaging is the technique and process of creating visual representations of the interior of a body for clinical analysis and medical intervention. In this project we start with colored image which implemented in its gray form by using special type of encryption algorithm (RC4) to make it possible to determine the limitations of the conventional measures used against the expected threats</p> <p>The RC4 Encryption Algorithm, developed by Ronald Rivest of RSA, is a shared key stream cipher algorithm requiring a secure exchange of a shared key. The symmetric key algorithm is used identically for encryption and decryption such that the data stream is simply XORed with the generated key sequence. The algorithm is serial as it requires successive exchanges of state entries based on the key sequence. Hence implementations can be very computationally intensive. (Wireless Encryption Protocol) using 40 and 128-bit keys. Published procedures exist for cracking the security measures as implemented in WEP.</p> <p>Encrypt medical image in client and open it in server within our computer</p>
33	طه محمد احمد	م.م.زيد هاشم	Building and developing an Intelligent Multi-Copters Flight Controller	<p>Quadcopters is an aerial vehicle operated to fly independently and is one of the representations of a UAV (Unmanned Aerial Vehicles). They are controlled by pilots on ground or simultaneously driven. They are called rotorcrafts because unlike a fixed wing aircraft, here lift is generated by a set of revolving narrow-chord aerofoils. Drones are actually very fascinating and in this project we are going to study about them, their components and about its widespread applications that determine its scope for the future. They are a mixture of streams of Electronics, Mechanical and especially Aviation.</p> <p>Drones are of different types and have different configurations for example, bicopters, tricopters, quadcopters, hexacoverters, octocopters,</p>

				<p>etc. [They have different uses and accordingly respective configurations are used. Hexacopters and Octocopters have better stability and yaw configuration. Control of motion of vehicle is achieved by altering the rotation rate of one or motor discs, thereby changing its torque load and thrust/lift characteristics. The use of four rotors in a quadcopter allow the individual rotors to have a smaller diameter than the equivalent helicopter rotor, which allows them to possess less kinetic energy during flight. Quadcopters have different structures and designs according to the work needed to be done by it. Components like motors, batteries, electronic speed controllers (ESC"s) also vary according to the power needed and work done by the quadcopter. Also enhancements like GPS trackers or cameras or infrared cameras are used so that they could add value to missions like disaster relief, search and rescue, agriculture and 3D mapping of the geography of an area.</p> <p>These widespread applications outshine the disadvantages which are rectifiable and hence this makes it a very productive technology in today"s world. It is supposed to appear into full time existence in the coming years. But every technology has merits as well as demerits. It is up to us to use technology productively to enhance the people as well as the planet instead of using them destructively. For instance, exploitation of drones by using them for spying and other lethal purposes that can harm people.</p>
34	ظاهر عدنان جواد	م.د.فائز عبدعلي	موقع الالكتروني لأدارة نظام مكتبة قسم علوم الحاسبات	<p>الهدف الرئيسي من هذا المشروع هو إنشاء موقع الالكتروني للادارة نظام مكتبة قسم علوم الحاسبات على الانترنت لأتاحة الفرصة للمستخدمين للبحث عن الكتب او الاطاريح او مشاريع التخرج للسنوات السابقة من تصفح الموقع على أساس اسم الكتاب او الكود الترميزي للكتاب بدلا من الخروج إلى مخزن الكتب وإضاعة الوقت في البحث عن الكتاب، كما يشمل النظام على عملية الاستعارة بأضافة اسم المستفيد وتاريخ الاستعارة وتاريخ انتهاء الاستعارة ، يستطيع امين المكتبة متابعة عمليات الاستعارة</p>

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				، # C في اي وقت وتكون عملية الجرد سهلة، تم تطوير هذا الموقع باستخدام لغة البرمجة ASP.NET(
35	عبدالله خليل ابراهيم	م.د. عماد جاسم	Postgraduate Information System	In the beginning, the information of the students was saved in papers therefor it could be lost or damaged, and also it takes time to find student info. This project is a solution for these problems because it saves information in a database with a large capacity and it can update these information and print reports about the students we need so easily and fast two. Fast, easy, documentation and electronic management for postgraduate students information is targeted in this work
36	عبدالله علي سلمان	م.د. طريف كامل	قواعد الارتباط لتقليص البيانات	الهدف الرئيسي من هذا المشروع هو ايجاد قواعد الارتباط بين البيانات في الكم الهائل والخروج ب نتيجة قليلة ومفيدة من اصل البيانات الضخمة وايجاد قواعد الترابط بينها ومن هذه البرنامج نستطيع تطبيقه على البيانات التي تخص الاسواق الكبير ، المستشفيات ، الانظمة التعليمية ، الانظمة المصرفية او اي بيانات اخرى فيها اكثر من حقل للايجاد الترابط بينها وهنا في المشروع استخدمت بيانات اسواق صغيره لغرض ايجاد الترابط ومعرفة الاكثر مبيعا على اساس الخوارزميات المطبقه التي نحصل منها على نتيجة للايجاد المرشحات المستقبلية للتنبؤ في المواد التي تباع مستقبلا او المواد التي ممكن اني نحظرها visual studio للملاصاق على اساس سحب الزبائن منها اي على اساس البيع باستخدام لغة البرمجة (Access) وربطه بقاعدة بيانات من نوع 2010
37	علي احمد	م. وجدان عبد الامير	Objects Detection Using Hough Transform	This is a project based on image processing which is used for detect any object in a picture and line it up. This project is important in many things like robots, cars and military in Guided missiles and many other aspects. I made in this project several stages that the image pass throw like converting the image to gray, detect the edges in that picture, smoothing the content of that picture And converting the image to binary and use the Hough-transforms which

				<p>is an algorithm used to make lines between points and later on I will explain in details.</p> <p>I did this project to solve many problems in our Industry like including smart systems in cars like auto parking system etc.</p> <p>In this project and while I was working on it I learned much more about image processing and I got many ideas could be used to improve our industry and technology</p>
38	علي رياض	م.م. علي سامي	Sales system	<p>Entered a rapid development that took place in the field of electronic computers in terms of speed and storage capacity , but in addition to the programs at a time operating systems and scalability fast retrieval of computer information is stored in the area of corporate governance and the shops in order to facilitate the Ministry of Labour , as well as facilitate the process of sales management through the use of computers and the possibility of getting rid of the paper deal , but to a large extent because it causes the generation of errors , as well as slow trading Vtm resort to systems and software , which works on behalf of the working papers but by building systems to facilitate the sales process.I have designed this project a simple part of the system of business management and sales to include several needs as possible to facilitate the work of the beneficiary of this system through software methods that help solve such a problem and to harness software tools to build the system, it is possible that the study replaces the deal , but the paper orientation to use the computer in the areas of work with the possibility of its development in the future to become more Avdiloagueta needs of the user through a few additions I ask God Almighty to lovgueni this work and obtains favor teachers and supervisors.</p>

39	علي فلاح يعقوب	م.م.علي عبدالرحمن	Leaves Management System	<p>The main objective of the development of this project is to computerize the leaves management system of Employees of College of Science in order to improve the record management efficiency due to the grown size of records of data.</p> <p>The targeted users for this system are the public who is eligible to take leave of and the admin of this system manages the leaves on-line, system moderator, administrator from leaves office and the balances of employees who are working in college of science.</p> <p>The system provides functions and charts for the leaves administrators to manage the appointments of the leaves. This system also has the ability to keep track of the employee's balance and leaves records and his/her reports in college of science.</p> <p>This project is developed by using Microsoft Sql Server as the database management system with ASP.NET (C#.NET).</p>
40	غفار مصدق	م.م.علي سامي	Cross Site Scripting (XSS) Attack Prevention with Dynamic Data Tainting on the Client Side	<p>Cross site scripting (XSS) is a common security problem of web applications where an attacker can inject scripting code into the output of the application that is then sent to a user's web browser.</p> <p>In the web browser, this scripting code is executed and used to transfer sensitive data to a third party. Today's solutions attempt to prevent XSS on the server side, for example, by inspecting and modifying the data sent to and from the web application. The presented solution, on the other hand, stops XSS attacks on the client side by tracking the use of sensitive information in the JavaScript engine of the web browser. If sensitive information is about to be transferred to a third party, the user</p>

				can decide if this should be allowed or not. As a result, the user has an additional protection layer when surfing websites without solely depending on the security of the web application
41	فاطمة جبار	م.د. طريف كامل	Finding shortest path(land way)	<p>Decision Trees are considered to be one of the most popular approaches for representing classifiers. Researchers from various disciplines such as statistics, machine learning, pattern recognition, and Data Mining have dealt with the issue of growing a decision tree from available data.</p> <p>Objectives:</p> <p>The objectives of the series of assignments are multifold:</p> <ul style="list-style-type: none"> <input type="checkbox"/> To use the TSP as a test bed for various approaches (e.g., genetic algorithms, simulated annealing, Kohonen Self Organizing Maps etc). <input type="checkbox"/> To briefly study various real world applications of the TSP (e.g., logistics; genome sequencing; manufacturing: IC testing, PCB drilling; aiming telescopes; and x-ray crystallography) <input type="checkbox"/> To tie in problems from machine learning to general Computer Science . <input type="checkbox"/> To provide a historical perspective of a problem with a rich history, significant practical applications, and and numerous technological approaches.) <input type="checkbox"/> To use the algorithm(s) developed for solving the TSP to solve a different optimization.
42	كرار اسماعيل مطر	م.د. مهدي دعيمي	Database design for fencing sport	<p>Our project is the design and implementation of databases for the sport of fencing system ACCESS using the system in 2010 with the language visual basic The project aims to find a solution to the problem of storing all the information relating to the system Players, coaches and tournaments in the game of fencing As well as print reports that include forms having the participants in every tournament result Show with the</p>

				players
43	لينا غازي حسين	م.قصواء خالد عبود	Design and building a Database System for banks	<p>One of the basic activities that people perform are storing their data in databases .The main aim of this project is to give information about the functioning of databases in banking system. All the Functionalities of Banking Systems are credited in this project.</p> <p>The title of this project is Design and building a Database System for banks. The theoretical concepts about windows based application and its architecture present a brief idea about using DBMSs Such as Microsoft office access. In addition, the approaches to integrate windows based application with database are discussed respectively. This implementation for the system is targeted for the bank's employees (managers, staff).</p> <p>This project uses Access 2013 to store database information through Visual Basic.Net (VB.Net)</p>
44	محمد رزاق ذياب	م.م.سرى عيد سراب	Hiding image by Diamond – Square algorithm	<p>This project is about implementing a food menu application for users to search and order food information by using a mobile phone. People sometimes may just know what food they wish to eat instead of the restaurants' name. Without knowing any restaurants' names, our food application's search only requires the name of the dish (e.g., hamburger, spaghetti, etc) in order to get the list of restaurants that serve these items and their corresponding information (e.g., location, hours, phone number, item's price, etc.). An advantage of using my food application is the system not only includes Google Map, but any information other users have inputted. When a user wants to input a food item, one can upload the item's picture or a template picture to the server and input the rating and comments about the specific food item. With the rating option, my</p>

				project calculates a cumulative rating result based around the original and other user's input. There is also the option of having the users input a zip code to better identify where to find the food. Based on the phone's capability, the system also needs to figure out the physical phone location. This requires the phone to receive the GPS signal. As a result, users can search/upload the local restaurants' food without inputting the current location
45	محمد عباس علوان	م.د. عماد جاسم	Virtual library using Sharepoint	SharePoint is Microsoft's browser-based content management system that allows a centralized, protected space for document sharing and collaboration. Serving over 200,000+ organizations worldwide, these companies use SharePoint to build intranets and store, organize and share information from across the business in one central location. SharePoint can be hard to define because it's flexible and can be used in a lot of different ways: it's a document storage site, but also a collaboration tool – it's a place for running daily workflows and processes, but also a place to read company communications. And yet, it's not simply just any one of these things. So, it's important not to see SharePoint as a single tool, but rather a platform that enables a lot of different workplace activities.
46	محمد علاء الدين سلمان	م.علاء حسن هارف		This project is about implementing a food menu application for users to search and order food information by using a mobile phone. People sometimes may just know what food they wish to eat instead of the restaurants' name. Without knowing any restaurants' names, our food application's search only requires the name of the dish (e.g., hamburger, spaghetti, etc) in order to get the list of restaurants that serve these items and their corresponding information (e.g., location, hours, phone number,

				<p>item's price, etc.). An advantage of using my food application is the system not only includes Google Map, but any information other users have inputted. When a user wants to input a food item, one can upload the item's picture or a template picture to the server and input the rating and comments about the specific food item. With the rating option, my project calculates a cumulative rating result based around the original and other user's input. There is also the option of having the users input a zip code to better identify where to find the food. Based on the phone's capability, the system also needs to figure out the physical phone location. This requires the phone to receive the GPS signal. As a result, users can search/upload the local restaurants' food without inputting the current location</p>
47	محمد مهند سعيد	م.علاء حسن هارف	قاعدة بيانات لإدارة منظومة إنترنت	<p>يوفر هذا المشروع وسيلة سهلة لإدارة و حفظ واسترجاع المعلومات للمستخدمين الإنترنت وإضافة المستخدمين والتعديل على معلوماتهم كما يمكن للزبون ان يقوم بعملية الدفع المجزء مع تدوين ما عليه من ديون هذه الطريقة توفر عملية دفع مريحه للزبون بالإضافة الى تذكير المسؤولين بما لهم من ديون لكل مشترك بالإضافة إلى واجهات سهلة وجميلة، مما يجعل للنظام أهمية كبيرة في انجاز العمليات المطلوبة بسهولة وبسرعة.</p> <p>ويوفر هذا النظام سهولة التعامل مع البيانات، ويوفر ميزة الأمان للحد من التلاعب من قبل الأشخاص الذين لا يحق لهم.</p> <p>تم تطوير هذا المشروع عن طريق استخدام Microsoft SQL Server Management Studio Visual Basic.NET (VB.NET) نظام إدارة قواعد البيانات مع 2013</p>
48	محمد ناصر	م.م.علي عبدالرحمن	Design and Implementation of website for Arduino Microcontroller leaner using ASP.NET	<p>The first thing that anyone will think about when he is trying to learn a new things is to go and search for it on the internet.</p> <p>When trying to introduce something that a lot of people has no idea about it the easiest way to make it known is to design a website that will be a learning guide.</p>

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				<p>Before designing a website it is important to know almost everything about the subjects that is related to the thing that you design a website for, this website talks about Arduino, all sensors and shields and extensions that used with it, and how to program all of these.</p> <p>It takes a lot of time to make this project in the way it is now; it needed time to learn Arduino and work with it to study its environment and being able to write learning notes that is extract of live experience and time that needed to develop the designing skills to make this website easy to use and attractive to attract people</p>
49	محمد نبيل	م.د.سامر سامي	Design and Implementation of a low Cost CNC Machine	<p>This research is a study of the ability of a CNC milling machine to create parts for itself, and an evaluation of whether or not the machine is able to improve itself by creating new machine parts.</p> <p>This will be explored by using off-the-shelf parts to build an initial machine, using 3D printing/rapid prototyping to create any special parts needed for the initial build. After an initial working machine is completed, the design of the machine parts will be adjusted so that the machine can start producing its own machine parts, replacing the printed parts. It is desirable for the finished machine to have as many self-created parts as possible.</p> <p>As a physical machine will be built, the steps needed to create the machine will be detailed, so that the machine can be replicated if desired. The finished machine will not be autonomous, but will rely on a human operator to design the parts and operate the machine.</p>
50	محمد نزار	ا.م.د.سراب مجيد حميد	Online Course Registration of Computer Science Department	<p>The activity of the project goes around trying to understand the main concepts of web designing, and the differences between dynamic and static sites before goes into web design in its actual concept. By knowing</p>

				<p>how each tool can be used and purpose and action of each one, it will be gave a side view to the importance of websites development and improvement. The learning of how each instrument acts must be gradually, sometimes there is a need for learn an instrument before trying to learn another one, such as, HTML must learned before PHP. Also, this offer tries to show how the applications and instruments which used can work together</p>
51	محمود علي جمعة	م.د.نجلاء محمد حسين	Face Recognition using Neural Network	<p>A face authentication system based on principal component analysis and neural networks is developed in this thesis. The system consists of three stages; preprocessing, principal component analysis, and recognition. In preprocessing stage, we resize all image into the same size and convert then to gray level. Principal component analysis is applied to find the aspects of face which are important for identification. Eigenvectors and eigenfaces are calculated from the initial face image set. New faces are projected onto the space expanded by eigenfaces and represented by weighted sum of the eigenfaces. These weights are used to identify the faces. Neural network is used to create the face database and recognize and authenticate the face by using these weights. In this work, a separate network was built for each person. The input face is projected onto the eigenface space first and new descriptor is obtained. The new descriptor is used as input to each person's network, trained earlier. The one with maximum output is selected and reported as the host if it passes predefined recognition threshold. The algorithms that have been developed and tested on ORL dataset</p>
52	مرتضى كريم كاظم	ا.م.لؤي ادور	استخدام منحنيات سبلين لتوليد التوقيع	

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		جورج	الرقمي للوثيقة	
53	مريم رافت	م.م.فراس محمد كاظم	i-Voting Service	<p>Internet voting, or 'i-voting', is a service that allows voters to cast their ballots from any internet-connected device.</p> <p>This project can be used to hold elections using web-based voting process instead of a paper-based voting process. Benefits include; less risk of human error, voters can cast their ballot from anywhere, at any time, faster voting process (quicker vote tallies and releasing of results), and reduced paper usage and costs. This online voting process starts with automated registration that will provide the secured database of the voters' information. Voter details will be stored in the main database. The election commission is authorized to access the details but they aren't authorized for modifying or changing the details. The voters will select his/her preferable candidate. All votes will be sent from the clients to main database. After that, those votes will be counted automatically which will take lesser time than the paper-based process. So the result will be faster, more accurate and reliable.</p>
54	مريم رائد عبيس	ا.د.فيصل غازي محمد	Brain Tumor Detection Using Region Growing Segmentation	<p>This project is deals with the implementation of Simple Algorithm for detection of range and shape of tumor in brain MR images. Tumor is an uncontrolled growth of tissues in any part of the body. Tumors are of different types and they have different Characteristics and different treatment. As it is known, brain tumor is inherently serious and life-threatening because of its character in the limited space of the intracranial cavity (space formed inside the skull). Most Research in developed countries show that the number of people who have brain tumors were died due to the fact of inaccurate detection. Generally, CT scan or MRI that is directed into intracranial cavity produces a complete</p>

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				image of brain. This image is visually examined by the physician for detection & diagnosis of brain tumor. However this method of detection resists the accurate determination of stage & size of tumor. To avoid that, this work uses computer aided method for segmentation (detection) of brain tumor based on the region growing algorithms. This method allows the segmentation of tumor tissue with accuracy and reproducibility comparable to manual segmentation. In addition, it also reduces the time for analysis.
55	مصطفى جعفر	ا.م.د.اسماء عبدالله	Design a Bake ground Monitoring program For Android System	The wide range of services that smart phone can provide to their users today, such as connection via social network, checking email continuously, surfing the internet, and tacking the pictures in the spot, making these devices the most valuable computers, and leads to significant growth in the number and complexity of malicious applications targeting these devices. The goal of this project is to develop a background monitoring service for the Android platform which can be used to monitor the running application programs easily. The designed background program collect information about the running application program and send it as an SMS message to the owner of the designer of the program. The designed program is developed using Eclipse.
56	مصطفى علي	ا.م.عهد سعدى	نظرية التطور	هو عبارة عن موقع يهتم بأبصال المعلومة العلمية توضيح بسيط وشامل لنظرية التطور بعيدا عن التعصب الديني أو غيره و فهم النظرية من علماء النظرية وليس من الغير (بغير علم) وإبصال المعلومة العلمية بأبسط طريقة وكافة الوسائل الممكنة من فديوهات ومقالات علمية تهتم بنظرية التطور ،هذا Blogger و الموقع على شبكة الانترنت باستخدام ال css و html العمل تم العمل به بواسطة
57	منتظر محمود عديلة	م.د.سامر سامي	Recommendation of IPV6 in Iraq	Internet Protocol version 6 (Ipv6) is the next generation Internet protocol developed by the Internet Engineering Task Force (IETF) to replace the existing Internet Protocol version 4. The cause for this replacement is exhaustion of the IPv4 address space. While most

			<p>professionals still understand IPv6 only as a bigger address space, but also consists from many prominent features such as IPsec and ICMPv6. IETF Next Generation Transition Working Group (NGtrans) developed IPv4/IPv6 transition mechanisms that help IPv4 and IPv6 coexist on the Internet.</p> <p>Dual Stack is one of the IPv4-IPv6 transition mechanisms by running both IPv4 and IPv6 in a single computer. Intra-site Automatic Tunnel Addressing Protocol (ISATAP) tunneling mechanism encapsulate IPv6 packets in IPv4 packets to make communications, from IPv6 network over IPv4 network. Dual Stack & Tunneling mechanisms were completely implemented later in this dissertation work.</p> <p>An IP address has become the bottleneck for Internet development. IPv4 has no longer the capacity to support the continuous growth of the Internet. For this reason, a new Internet protocol was needed. However, the version 6 of the Internet protocol is not compatible with version 4, hence, transition mechanisms must be used to ensure the transition from IPv4 to IPv6. Enterprises not prepared for this transition will pay a high price. Since most of the enterprises around the globe have no IPv6 knowledge to create a decent road map towards IPv6, we present in this research as a generic migration process, which provides the necessary guidelines to reach a successful IPv6 migration. This process is composed by 5 phases: analysis of the current situation, present a study focused on the migration impact for the company, survey of the enterprise's network, analyses IPv6 support from ISPs, estimate the costs of migrating the company's network, migration plan, testbed, identify problems and final implementation. We then apply this process to a specific case.</p>
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58	مها سعد عبدالواحد	ا.د. فيصل غازي محمد	Image Encryption with confusion and diffusion	<p>This research includes encrypting and decrypting process of images, with rapid development in the exchange of data process, information security become important in the process of storing and sending and receiving data due to the increasing use of images it has become important to maintain confidentiality of the image to ensure that obtained illegally.</p> <p>In this project we have made a collection of photographs as most of encryption algorithms that are used mainly for data scripts are suitable for own pictures and encryption algorithm and also made to decrypt the encrypted image algorithm.</p> <p>And also includes the search for the image histograms which gives a wealth of information in a simple format. It enables user to understand the data distribution and the distribution of colors in the pictures</p> <p>This is the algorithm used by the best encryption algorithms currently exist in the world and did not penetrate so far.</p> <p>The main objective of this project is to obtain a high-security image data protection.</p>
59	ميثم رحيم محمد	م.قصواء خالد عيود	Home Automation	<p>Home Automation are no longer design concepts of the future. They are being built now, and they are having a direct impact on the lifestyles of people life. The aim of smart home systems is to create an environment that gives the user the comfortable and easily for using the home devices.</p> <p>The focus of this project is programming Bluetooth on Arduino board to be controlled by an Android Application to control the devices in the</p>

				<p>house by using the Bluetooth . The whole system is tested by controlling LED through an input port which obtained successful results.</p> <p>The Hardware device is the Arduino , which is an open-source physical computing platform based on a simple i/o board and a development environment that implements the Processing/Wiring language, Also its not expensive .The software consist of Assembly language for programming microcontroller (Arduino Language) which is basically consist of C/C ++ language .</p>
60	ميس رعد عاكف	م.قصواء خالد عبود	قاعدة بيانات للمشاريع البنائية	<p>يسعى لبحث لبناء قاعدة بيانات للمشاريع الانشائية حيث تم تصميم نظام يوفر للمشاريع الانشائية لوزارة الاسكان والاعمار امكانية تعريف الهيكل العام لقاعدة البيانات الخاصة بمعلومات المشاريع الانشائية والطرق والجسور ومن ثم اجراء المعالجات المطلوبة وذلك من خلال تعريف اسماء الحقول وتحديد انواعها وسعتها وطبيعتها وتحديد المعادلات الخاصة بالمشروع المنفذ اذا كان خدمي او مشروع سكني او تابع للطرق والجسور وتتضمن هذه الحقول معادلات بحساب الكلفة التخمينية لكل مشروع حسب مساحته وعدد الطوابق اذا كان المشروع مصنف ضمن المشاريع الخدمية والسكنية اما اذا كان مصنف ضمن مشاريع الطرق والجسور فيقع ضمن عدد من الفقرات بحسب طول الطريق وعرضه وكذلك تضمن كيفية توزيع العمل حسب العروض المقدمه ووضع معادلات خاصة لتحديد العرض المناسب بحيث تحقق الشركة الربح المناسب وكذلك الجهة المنفذة</p>
61	نبا طالب محمد	م.د.غادة كاظم طعمة	Driving Theory Test	<p>This program is a tool designed to help learn traffic rules, and prepare for theoretical license test.</p> <p>The program, build in a way that utilized the sign images along with the description to make the process of remembering the traffic laws and the exam questions easier.</p> <p>This program is achieved by a set of simple techniques, where the exam questions are shown one-by-one in a random order. Also this program, able to work on your mistakes immediately</p>

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62	نغم فليح	م.د.ندى حسين محمد علي	Cryptology with Cryptool	<p>Depending upon the number of keys used, cryptographic algorithms are classified as asymmetric algorithms (public key) and symmetric algorithms (secret key). The symmetric - key system uses a single key that both the sender and recipient have. The asymmetric - key system uses two keys, a public key known to everyone and a private key that only the recipient of messages uses. The symmetric key algorithms are further classified as block cipher and stream cipher. Block ciphers operate with a fixed transformation on large blocks of plain text data while stream ciphers operate with the time varying transformation on individual plain text bits. Stream ciphers do not have a standard model and varieties of structures are followed in their design The implementation of a wide, complex and varied networks, let the security development has great importance to the communication innovation. CrypT001 is an open source e-learning tool illustrating cryptographic and cryptanalytic concepts. CrypTool implements more than 300 algorithms. Users can adjust these with own parameters. The graphical interface, online documentation, analytic tools and algorithms of CrypTool introduce users in the field of cryptography. Classical ciphers are available alongside asymmetric cryptography including RSA, elliptic curve cryptography, digital signatures, homomorphic encryption, and Diffie_Hellman key exchange, many of which are visualized by animations. The learning tool CrypTool is an implementation of all the above, and through this we will try to show, those essential functions, which help the user with visual and practical way, to see in detail all the properties and functional details of the algorithms contained, will present representative examples of functioning algorithms.</p>
63	نور ربيع احمد	ا.م.د.ندا	تعليم اللغة الانكليزية للصفوف الابتدائية	التعليم الالكتروني هو تقديم البرامج التعليمية أو التدريبية للمتعلمين أو المتدربين في أي وقت وفي أي

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	عبدالزهرة عبدالله	الكترونيا	<p>مكان باستخدام تقنية المعلومات والاتصالات التفاعلية الحديثة. وأحد أشكال التعليم الالكتروني هو التعليم المتمازج. فالتعليم المتمازج هو استخدام التقنية الحديثة في التدريس دون التخلي عن الواقع التعليمي المعتاد، والحضور في غرفة الصف. ويتم التركيز على التفاعل المباشر داخل غرفة الصف عن طريق استخدام آليات الاتصال الحديثة، كالحاسوب والشبكات وبوابات الانترنت، ويمكن وصف هذا التعليم بأنه الكيفية التي تنظم بها المعلومات والمواقف والخبرات التربوية التي تقدم للمتعلم عن طريق الوسائط المتعددة التي توفرها التقنية الحديثة أو تكنولوجيا المعلومات. ويتميز هذا النوع من التعليم، بأختصار الوقت والجهد والتكلفة، من خلال إيصال المعلومات للمتعلمين بأسرع وقت، وبصورة تمكن من ادارة العملية التعليمية وضبطها، وقياس وتقييم أداء المتعلمين، إضافة الى تحسين المستوى العام للتحصيل الدراسي، وتوفير بيئة تعليمية جذابة.</p> <p>وإذا كانت المحاضرة هي إحدى طرائق التدريس المعتمدة على إلقاء المعلومات، فإن استخدام الوسائط التقنية الأخرى بالاشتراك معها، يساعد في التخلص من المظاهر السلبية للتعليم التقليدي، الذي يعتمد على إلقاء المعلومة بالقرءة من قبل المحاضر. إذ يجب أن يساعد التعليم على التفكير والابداع والابتكار من خلال مشاركة فعالة بين المدرس والطالب، وتساعد الوسائط التقنية المستخدمة في إيصال المعلومات، إذا استخدمت بالشكل المناسب، في خلق الاجواء التي تساعد على التفاعل والتفكير النقدي والمشاركة بين المدرس والطالب.</p> <p>في هذا المشروع سوف يتم تطوير برنامج لتعليم الصفوف الابتدائية الثلاث الاولى (اللغة الانكليزية) بواسطة استخدام تقنيات الحاسوب المختلفة وبما ينسجم مع عمر وخبرة الطلبة.</p>
64	نور وليد عزيز	م.د. طريف كامل	<p>لايجاد A priori استخدام خوارزميه المتكرر لمجموعه عناصر في قاعدة بيانات الصيدليه</p> <p>الآن استخراج البيانات ليوم واحد لديه الكثير من تطبيقات التجارة الإلكترونية . المشكلة الرئيسية هي كيفية إيجاد أنماط مفيدة الخفية ل أفضل تطبيقات الأعمال في قطاع التجزئة . من أجل حل هذه المشاكل ، الخوارزمية على نحو استدلالي هي واحدة من نهج استخراج البيانات الأكثر شعبية لإيجاد مجموعات البند متكررة من مجموعة بيانات المعاملات و استخلاص قواعد تكوين الجمعيات. القواعد هي المعرفة المكتشفة من قاعدة البيانات. العثور على مجموعة البند المتكرر (مجموعات البند مع تردد أكبر من أو يساوي إلى المستخدم المحدد دعم الحد الأدنى) ليست تافهة بسبب انفجار في اندماجي . مرة واحدة يتم الحصول على مجموعات البند متكررة ، فإنه واضح ومباشر لتوليد قواعد بالتعاون مع ثقة أكبر من أو تساوي المستخدم المحدد الحد الأدنى من الثقة</p>
65	نورهان شيرزاد نامق	م.د. عماد جاسم	<p>The project is a program that is designed for communication between people all over the world and in any country, where it is in the form of an</p>

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				<p>application on the mobile phone you can communicate with friends and family or even co-workers, and the way they communicate them to be either the exchange of text messages or video, so that it provides easy meeting and faster with them and you're sitting at your workplace and talk to them and save time and for this reason I created the project.</p> <p>Contact the process is done when both sides have Internet service at the same time so that the data is transferred between them, and the work is as follows ignominy first client sends a request to the server for a chat and after several operations transferred server application for online customers who shall open an electronic hearing them talk. The program was written for Android (Java) in order to be defined phones currently used devices.</p> <p>I learned that there is no impossible in life, was the completion of the project so that you can connect from anywhere with any existing client you have in the program (text and video), and the benefits of such programs is to be used in conferences or secret meetings.</p>
66	هاجر باسم هاشم	م.د.نجلاء محمد حسين	Absences Management System of	<p>Student attendance management system deals with the maintenance of the student's attendance details. It is generates the attendance of the student on basis of presence in class. It is maintained on the daily basis of their attendance. the professor will be provided with the separate username & password to make the student's status. The professor handling the particular subjects responsible to make the attendance for all students. Only if the student present on that particular period, the attendance will be calculated .The students attendance reports based on weekly and consolidate will be generated .This system will also help in evaluating attendance eligibility criteria of a student.</p>
67	وسام محمد عجیل	ا.م.د.سراب	Android Application For File	<p>Users use their smart phones to store personal and sensitive data.</p>

مشاريع تخرج المرحلة الرابعة / الدراساتين الصباحية و المسائية

		مجيد حميد	Protection	Therefore, it is important to keep the personal data safe. The aim of this project is to develop an android application to protect a personal data against unauthorized reading. The application uses different encryption is file and data techniques to make the file unreadable. Then, the encrypted can be send by SMS. In addition, the application utilizes other technique to lock and hide the file.
68	ولاء علي يوسف	م.سرى نجم عبدالله	أرشفة مشاريع قسم علوم الحاسبات	<p>لقد دخل الحاسب الآلي في مجالات الحياة وظهر أثره في حل العديد من المشاكل التي تعاني منها الشعوب والأفراد، ومن تلك المشاكل عدم القدرة على تخزين كم هائل من البيانات وما يترتب عليه من أسلوب حفظ واسترجاع وفهرسة تلك البيانات والتي تتطلب جهد وتكلفة تحتاج الى وقت طويل، ولقد كان الاعتماد حتى الآن على العنصر البشري فهو الذي يقع عليه العبء كله تقريبا ابتداء من استقبال البيانات حتى فهرستها لحفظها ناهيك عن العوامل الطبيعية التي تتعرض لها أوساط الحفظ الورقية وكل هذه العمليات تستغرق وقت طويل والوقت مهم. تشهد نظم المعلومات التعليمية والتربوية تطورا في عدد كبير من الدول والمؤسسات التعليمية في تقديم الخدمات عن طريق وسائل التقنية الحديثة من خلال طرق وأساليب النظام والشبكات المفتوحة والمغلقة، فاحتياجات القطاع التعليمي من تحسين وتطوير نحو استخدامات برامج السجلات والملفات من خلال التقنيات الموجودة.</p> <p>من كل ما سبق تبرز الحاجة الماسة الى النظام الذي انجزناه في هذا المشروع لننظم البيانات ونفهرسها حسب هيكلية معينة وكذلك الى تطوير الواقع التعليمي في البلد.</p> <p>ولقد تناولنا في هذا البحث اهداف النظام وسبب اختيار المشروع ومميزات النظام وشرح بسيط عن قواعد كما تحدثنا عن شرح اكثر للغات المستخدمة في النظام وطرق البيانات واللغات المستخدمة في النظام. الربط بين هذه اللغات، وكذلك عن واجهات النظام وطريقة عملها بواسطة الكود وجداول قواعد بيانات النظام وعن الاستنتاجات والتوصيات التي يتم العمل عليها</p>