



# ELEGANT

Enhancing Teaching, Learning and Graduate Employability  
through University-Enterprise Cooperation

## **Liaison Officer project -ABAU**

### **Prince Abdullah Bin Ghazi Faculty of ICT**

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## 1. MOUs and other agreements with companies

### **Huawei Authorized Information and Network Academy (MOU Date:26-06-2019)**

The scope of agreement was represented as follow:










1. Establishment of Huawei Authorized Information and Network Academy.
2. Provide 'Train the Trainer' training for instructors from the Academy to teach the authorized training courses.
3. Provide the necessary equipment and support Academy to install and configure the equipment environment for the hands-on lab for HAINA students for training purpose for the the HCIA-R&S, HCIA-Cloud Computing, HCIA-AI courses.
4. Provide necessary support to Academy to set up the ICT Academy Lab.
5. Support the Academy for applying HCIA-R&S, HCIA-Cloud Computing, HCIA-AI courses into the Academy curriculum.
6. Provide Huawei policies, management regulations, programs and technical documentation applicable to the Academy.



هواوي تنشئ أول أكاديمية لها في جامعة البلقاء التطبيقية

## Summary

Prince Abdullah Bin Ghazi Faculty of ICT is trying to sign MOUs with the following 9 companies, in Jordan and worldwide:

No.	Company	Goal	Status
1	 HUAWEI	<ul style="list-style-type: none"> <li>• Training for staff &amp; students.</li> <li>• Alignment of Huawei course in academic program curriculum.</li> <li>• Professional certificate</li> </ul>	MOU signed in 26-06-2021 Valid for three years
2	 CISCO	<ul style="list-style-type: none"> <li>• Teach elementary courses in programming and computer skills from CISCO Networking academy learning platform.</li> </ul>	Communication started.
3	 estarta	<ul style="list-style-type: none"> <li>• participate in incubation center managed by e-Starta.</li> </ul>	Communication started, some of BAU students interviewed for incubation program
4	 Microsoft	<ul style="list-style-type: none"> <li>• offer free services for students and staff such as AZURE and High performance computing for research projects</li> </ul>	Communication started with limited offers for students and staff.
5	 altibbi الطبي	<ul style="list-style-type: none"> <li>• participate in research &amp; development projects related to AI</li> </ul>	Communication started.
6	 gaming Lab GAMES DESIGN & DEVELOPMENT	<ul style="list-style-type: none"> <li>• Training for both staff and students.</li> <li>• Setup gaming lab at BAU.</li> </ul>	Communication started, training is done, gaming lab establish was approved.
7	 >transitionTECH software engineering profession	<ul style="list-style-type: none"> <li>• Fresh graduate training and recruitment.</li> </ul>	Communication started, students interviews started.
8	 Quality Business Solutions	<ul style="list-style-type: none"> <li>• Research &amp; development related to AI.</li> <li>• Post-graduate students research</li> </ul>	Planned to start on September 2021
9	 Tunned App	<ul style="list-style-type: none"> <li>• cooperative training program</li> </ul>	Communication started, some students got free training

## 2. Students on placement or internship

The following list represents the names of IT Students, who working as volunteers system support sites engineers at the university vaccine center with collaboration of ministry of health:

No	Student Name	University - ID	Tel
1	Ahmad Khalid AlBatainah	31901001011	0789500551
2	Hasan Khalid Almobideen	31801001064	0790062969
3	Ammar almothana Al-Najdawi	31801001016	0790255873
4	Leena Mohammad Khalid	31801001056	0790332707
5	Hana Mahmood AbuRaad	31801001081	0789436280
6	Lameed Al-Wahidee	31801256016	0799399365
7	Mohammad Mahmoud AbuBaker	32001001001	0787335055
8	Nora Wasfi Almarashdeh	31801002503	0797032888
9	Salama Ahmad hemidan	31901003043	0796955703

The following list represent BAU student's project work for industries in Jordan during first and second semester 2020/2021:

1. An introductory video for Al-Balqa Applied University, Client: Balqa Applied University
2. She Style, Client: SheStyle shopping store
3. Muamalatak, Client: Al Afdal Real Estate And International Services
4. Memory game for kids, Client: Jordanian Gaming Lab
5. E-pharmacy, Client: Rawhi pharmacy group
6. My online school: Client: Applied Science School
7. GoodDay Bakery: Client: Tofahteen Bakeri
8. Reservation System For Hospital, Client: Isra' Hospital
9. Darbni, Client: Optimal Academy
10. Garfield clinic for cat adoption, Client: Petly clinics
11. Restaurant Reservation System, Client: Mario Gril restoran
12. CovidA, Client: Ministry of Health
13. World of Tourism, Client: Mawakeb Travel
14. Sayartii, Client: Auto Beeb Jordan
15. Tawjihi Book Shop, Client: Al-Awael Book store
16. Care giver(Food Charites): Ministry of Social Development
17. Employee attendance system, Client: Meksay.com
18. Student Attendance System Using QR code, Client: Al-Balqa Applied University
19. CarWash, Client: Shafa Badran carwash station
20. Stategy builder, Client: Al-Balqa Applied University
21. Electronics Website, Client: SamrtBuy
22. Best Price, Client:Al-Shaee' group
23. Blood Bank & Donor Management System, Client: National Blood bank

### 3. Workshops for students, staff and company representatives/managers

Many workshops have been conducted for both students and staff, the following list summarize conducted workshops:

NO	Title	Presenter	Online/off-Line	Date	No pf participants
1	Artificial Intelligence Applications	Eng.Areej Bdirat Huawei AI certified	off-Line	4-5/1/2021	14
2	Routing & switching	Eng.Abdenoor Al-Shaar Huawei R&S certified	off-Line	25-27/1/2021	20
3	Advanced Routing & switching	Eng.Abdenoor Al-Shaar Huawei R&S certified	off-Line	2-5/2/2021	20
4	Cloud Computing	Mrs.Asma; Khtoum	off-Line	4/3/2021	10

#### Meeting with Industries





**Date:02/02/2021 Monday**

**Time: 12:30-2:00 PM**

The Quality & Development office & Liaison Officer at Prince Abdullah Bin Ghazi Faculty of Information & Communication Technology organized annual program review meeting with experts from famous information technology companies. This process is an important component of the program quality management. The academic departments are currently preparing their submission.

Participants from industries:

	Mr.Zaid Mazahreh
	Mr.Ismail Btoush
	Mr.Ameen Mwafi

	Mr.Isam Zaitoun
	Dr.Ashraf Aoudeh
	Mr.Nour Khrais
	Mr.Salah Al-Zubi

Partnership with industries also discussed during this meeting, excellence graduate will get offer for training for period of six month in those companies. Some of companies are eager to sign agreement for college staff to participate in research department in those industries.

#### 4. Company representatives/managers giving seminars at the University for students and Staffordshire University

Invited Company Manager/Experts:

NO	Title	Presenter	Online/off-Line	Date	No pf participants
1	Data Science	: Dr.Moatz Al-Debie Oracle	Online	9/2/2021	32
2	Information Security	Mr.Umran Hattab Arab Bank	Online	23/4/2021	25



**Dr.Moatz Al-Debie (Oracle)**

#### College Achievement

The Jordanian Accreditation and Quality Assurance Commission for Higher Education Institutions (AQACHEI) seeks to upgrade the level of performance of higher education institutions and colleges, to enhance their competitiveness at the national, regional and global levels and to make sure they apply the Jordanian accreditation, quality criteria, and lay down criteria/ measures for assuring their continued sustainability and competitiveness. To do that, AQACHEI established the Directorate for Quality Assurance and Ranking (DQAR) to set and apply quality assurance criteria for the Jordanian higher education institutions, colleges and programs. AQACHEI & ELEGANT are sharing similar objectives related to improve the ICT curricula and upgrade the capacities of academic and technical staff of partner universities and to develop a coherent information and communication strategy for the University communities within the local business environment. Based on the review report which was submitted by Prince Abdullah bin Ghazi of ICT and experts committee visits during 2-3/2/2021, the Higher Education Accreditation and Quality Assurance





Commission-Jordan issued a decision to grant Prince Abdullah bin Ghazi faculty of Communications and Information Technology a Gold Quality Assurance Certificate for a period of 4 years.

The auditing process covered eight criteria related to (strategic planning, governance, academic programs, scientific research, financial resources and infrastructure, student services, committee services, and quality assurance)

Why Quality Assurance Certificate to Prince Abdullah bin Ghazi faculty of ICT:

1. The embodiment of the university's vision and mission to move towards implanting the concept of quality in academic work.
2. Prove that the college works according to the quality systems and standards set by the Higher Education Accreditation Commission and to ensure its quality.
3. The college works efficiently and efficiently in presenting its mission and achieving its goals within a clear and announced strategic and operational plan.
4. The College adopts the principles of good governance and its tools are integrity, accountability and transparency.
5. The College always seeks to develop the process, educational and academic programs through clear and announced procedures.
6. Distinguished scientific research for faculty members and students, and provide the necessary support.
7. The college pays great attention to its students through its interest in academic, sports and entertainment activities, and to support creativity, innovation and competitiveness among its students.
8. The college provides excellent services to the local community through training courses, allowing the use of college facilities and contributing to building the local community.
9. Provides all the material, financial and human resources necessary for the college to perform its work in the best way.
10. Continuous improvement plans in all academic and training areas.
11. Reassuring the recipient of the service that the college is following a system that ensures the continuity of its distinguished and effective performance.

## 5. Students projects in which company experts have been involved (mentoring or examining the students)

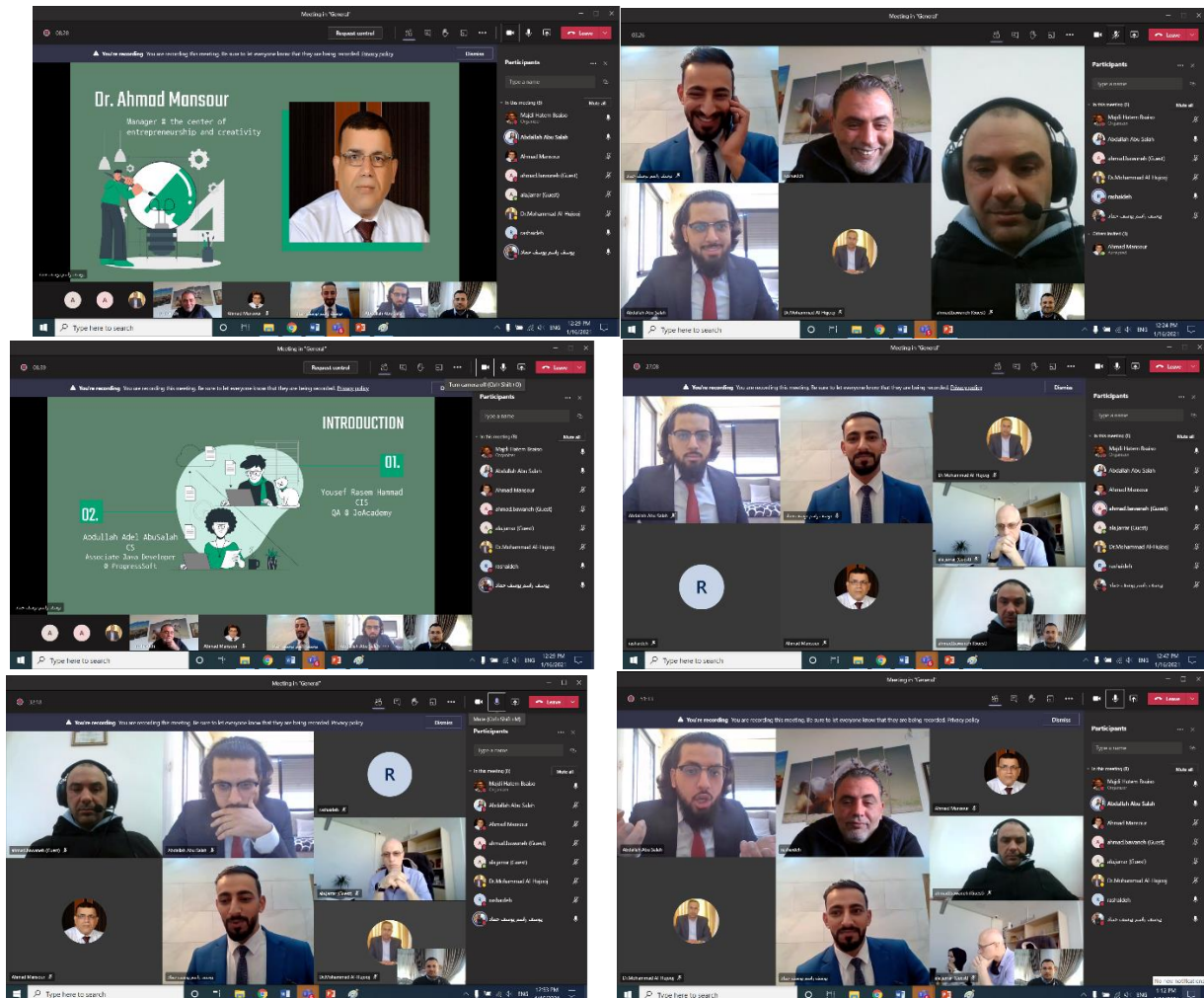
**Date: 2021-1-16**

**Total number of students: 120 Students (37 groups)**

**Our partners from industries for graduation projects for first semester 2020/2021 came from 3 companies:**

1. **Mr.Ahmad Bawaneh (Founder DominoKit framework)**
2. **Alaa Jarrar (CEO JoAcademy)**
3. **Ashraf Awdeh (Co-founder MainActivity)**

**With participation of Dr.Ahmad Mansour from Entrepreneurship, Innovation and Creativity Center(EICC) at Al-Balqa Applied University, EICC will offer incubation for excellence projects with yearly budget 100,000 JD.**



## 6. Preparing a database of students' industry-related projects

Graduation project database is maintained by quality and development office at Prince Abdullah Bin Ghazi Faculty of ICT, the following is sample of second semester 2020/2021 database:

Student Names	Project Title	Description
Mahran Khaled Hamdan 31701256013 Muhammed Mahmoud Muhammad Shobash 31701256003 Tariq Tawfiq Abdul Latif Abdullah 31701256017	Second Chance	The idea is to create a 2d cutout animation short movie that shows the whole life of a person inside a sand glass living a certain lifestyle as the sands keeps dropping over him - representing the time - until he is fully covered by the sand realizing that there is no second chance now
1- Ayat Yusef Al-Jaghbir (31701256027) - Computer Drawing and Animation 2- Rawan Samer Hegazy (31701256015) - Computer Drawing and Animation 3- Visions of Amer Abdel Aziz (31701256010) - Computer Graphics and Animation 4 - Jihad Mahmoud Ali (31701256019) - Computer Drawing And animation	Sunshine Digital Magazine	A website of a digital magazine that includes comics, a short animated series and an online game. The methods mainly used in this project is building a web application, game programming using C# language, 2D digital animation, storyboarding and 3D modelling. This magazine is targeted for children and teenagers to benefit this category through learning and reading.
1) Amal Ezzeddine Al-Tarabin (31701002049) _ Software Engineering 2) Tamara Muhammad Al- Muhairat (31701002136) _ Software Engineering 3) Hadeel Issa Al-Brahma (31601002089) _ Software Engineering 4) Batoul Salem Abu Al- Ghanem (31701002016) - Software Engineering	Family Social Network	It is a site for family members to communicate in order to share news with each other and share the joys and sorrows with each other. Communication is also done between them to check on the conditions of each other.
Amal Mamoun Issa / 31701003017 Tasnim Fouad Hijjawi / 31701003060 Areen Ashraf Muhammad / 31701003009 Yara Samir Badr / 31701003010	maksab	A site for all segments of society to provide services and goods and to benefit from the skills of others
Sadiq Youssef Al-Soghair (31801001121) - Computer Science	car rental	its a simple web page help people to rent the cars and it's easy to operate and understand by users there is some features of it:

Yara Jamal Al-Nawaji (31801002007) - Software Engineering Hala Sami Muhammad Al-Fawaeer (31701002088) - Software Engineering		<ul style="list-style-type: none"> <li>-User can rent different car from website</li> <li>-The user can search for cars easily and book.</li> <li>-For bookings, the user has to provide information such as booking mates and text message.</li> <li>-The users can update their Profiles as well as passwords anytime they want from the site.</li> <li>-Admin can add or manage car brands, manage vehicles, bookings, testimonial, pages and many more.</li> <li>-This site makes customers easy for car rental. The design is pretty simple and the user won't find it difficult to understand, use and navigate</li> </ul>
Hani Al-Alawin (31701256001) - computer graphics and animation  Sultan Khalil Musa (31701256016) - computer graphics and animation	Memory game for kids	(Memory game for kids) It is a similar cards game for children aimed at improving their memory.
1- Abdulrahman Khalid Abu Zaid (31701002109) - Software Engineering 2- Hamza Ziyad Zayed (31701002070) - Software Engineering 3- Osama Muhammad Al-Wahsh (31801002011) - Software Engineering 4- The Funeral Profit Statement (31801002002) - Software Engineering 5- Ahmad Muhammad Abu Armis (31801001003) - Computer Science	Jordanian tourism	The project (jordanian tourism) aims to present tourism sites in Jordan and information about these sites for tourists
Ahmed Samir Yusef Al-Natour (31801003034) - Computer Information Systems Nayef Muhammad Nayef Al-Adwan (31701003053) - Computer Information Systems Ammar Muhammad Hussain Al-Tahainah (31801003003) - Computer Information Systems	RideJo	application for rent a scoter or car and pay for it online and show the user by map where he is and where the nearest place to rent car or scoter
1- Qusay Walid Al-Shibli (31701001036) - Computer Science	Easy-Shop	Shopping project that allows user to search, select and bay items and makes shopping easier.

2- Rabhi Tawfiq Nasrallah (31701001087) - Computer Science 3- Yazan Youssef Sbaitan (31701001098) - Computer Science 4- Ahmed Wael Al-Shibli (3170101037) - Computer Science		
1- Bara Tayseer Muhammad Al-Sabah (Computer Science) (31701001078), university number. 2- Hadeel Ali Suleiman Al-Zaboon (Information Systems) (31701003013) university number. 3- Islam Fayez Al-Hamid (Information Systems) (31701003040) university number	Maktabati	The idea of the project is based on creating an electronic library. Authors can add their electronic books on the platform, and they have the two options by making it paid or free. Also, the option to add books and audio novels (pre-recorded) can also be available. Also, platform users can download free books or buy paid books. Users can also add Their opinions and comments about the books they have purchased or downloaded and can rate them Authors are also able to notify users of the new publications and books that they publish on the platform
Malak Dawood Abu Qalbeen 31701001125 Osama Iyad Ayesh 31701001114	e-commerce	An application similar to talabat application where you can order online from restaurants
1- Hamza Emad Hussein Abbad (31701001071) - Computer Science 2- Hamza Mahmoud Abdel Fattah Al-Jaloudi (31701001072) - Computer Science 3- Abdul-Karim Samir Abdul-Karim al-Rimawi (31701001043) - Computer Science 4- Abdullah Azzam Abu Khalaf (31701003056) - Computer Information Systems	Face Detection	extract faces from any image and then recognize every face that has been inserted previously in the database.
1- Student's name: Farah Salah Al-Suri University number: 31701003012 University Major: Computer Information Systems  2- Student name: Raghad Haitham Amira University Number: 31701003008 Specialization: Computer Information Systems	SAWA	Mobile application to help students in transportation via reducing the cost and fastening the request modal.

<p>Majd Mahmoud Al-Ziyoud 31701002101 Razan Lazim, the Shepherd 31701002047 Jude Fayek Al Shawabkeh 31701001084 Talal Hani Abd Abu Hashish 31701002029</p>	<p>- تَكَاتُف takatof</p>	<p>A non-profit online platform that aims to enable and facilitate all donations (moral and financial) and volunteering by connecting donors and volunteers to charitable organizations and initiatives in Jordan.</p>
<p>1- Muhammad Hani Al-Khayyat (31701002072) software engineering 2- Zaid Raed Zaid Al-Warikat (31701002045) software engineering</p>	<p>Materials and tree plans system</p>	<p>Make a system that give a students the tree plan of his major and give him ability to download the materials in easy and simple way</p>
<p>Yahya Husam Al-Shakhshir (31701002114), Software Engineering. Mahmoud Fouad Atriq (31701002046) "Software Engineering." - Ziyad al-Fuqaha (31701003015), "Computer Information Systems".</p>	<p>MyElectric</p>	<p>A website that : -provides information about electronic devices and machines(phones, laptops, pc's, home devices) information such as : 1-specifications. 2-advanteges/disadvantages. 3-cost..... -Help the user to know the markets(places) that sell the needed device. -Help the user to buy or rent those devices. "We will provide our project(website)with some researches in web development fields."</p>
<p>1- The Arafat Al-Jurishi satellite, 31701002085, software engineering 2- Hadeel Omar Jabour, 31701002036 software engineering 3- Issa Zuhair Ali 31701003085 Computer Information Systems 4- Muhammad Mahmoud received 31701003073 computer information systems</p>	<p>celiacD</p>	<p>This project aims to help Diabetes patients in Jordan, which can be achieved by a platform that gathers the patients themselves, relatives, doctors, nutrition specialists and whoever may be concerned. Where they can be able to communicate and gain knowledge about this disease through an integrated mobile application that gives the user the easiness in answering whatever questions that crosses their minds which could be related to food, symptoms or even life style.</p>
<p>Diala Elias Al-Awa (31701002048) - Software Engineering Ahmed Anwar Al Shugairi (31701002051) - Software Engineering Lian Salim Al-Samawi (31701002074) - Software Engineer Omar Mahmoud Al-Sarawi (31701001035) - Computer Science</p>	<p>Words Keeper</p>	<p>An online bookshop , which lead people to search about any kind of books and they can buy them with a good price and easy way.</p>

<p>Rahaf Talal Al-Faour (31701002067) - Software Engineering</p> <p>Nour Omar Riyalat (31701002034) - Software Engineering</p> <p>Mandar Akram Saqr (31701001077) - Computer Science</p>	<p>A website for learning languages</p>	<p>A website specialized in teaching languages and provides courses for all levels of education</p>
<p>1- Qusay Abdullah Fawzi Musleh (31701003020) - Computer Information Systems - The Leader</p> <p>2- Mahmoud Ali Mahmoud Al-Faqih (31701003070) - Computer Information Systems</p> <p>3- Rashid Hassan Saud Al-Badareen (31601003072) - Computer Information Systems</p> <p>4- Ahmed Ayed Muhammad Masoud (31701002073) - Software Engineering</p> <p>5- Mahmoud Omar Suleiman Marish (31601003080) - Computer Information Systems</p> <p>6- Abdullah Maan Jamil Al-Nsour (31701002140) - Software Engineering</p>	<p>Orphans Association Organization</p>	<p>Child Care Organization The website links the ministry and the associations responsible for orphans and people</p>
<p>1- Muhammad Ahmad Tawalbeh (31701001119) - Computer Science</p> <p>2- Rakan Hani Al-Darain (31601003504) - Computer Information Systems</p> <p>3- Mays Abd Al-Latif Al-Warikat (31701001073) - Computer Science</p> <p>4- Ay Qasim Al-Hiyasat (31701001045) - Computer Science</p>	<p>IT-TecQuestions</p>	<p>It is a website that aims to provide a set of technical questions to enable job seekers to test their skills and abilities and this site seeks to provide reports and evaluations for test applicants through the site that reflect their technical level in the specialization and enable them to identify their strengths and weaknesses</p>
<p>1- Amjad Abdul-Jalil Al-Wahidi (31901001022) Computer Science</p> <p>2- Ahmed Nazih Al-Khatib (31701002135) software engineering</p>	<p>Weighbridge Software</p>	<p>A program that will be designed to manage the weight of materials loaded on trucks .. by measuring the weight of the truck before loading and the weight after loading,allows the customers to display , save and report the weight measurement of the car</p>

3- Rawan Jamal al-Fuqaha (31701001107) Computer Science		The application performs the real-time communication with the truck scale and display the current weight on the screen Note : The project contains a real reading screen to transfer data from the scale to the reader and then display it on the program
1- Muhammad Omar Muhammad Qana (31801002008) - Software Engineering 2- Mustafa Ali Mustafa Abu Jazouh (31801002009) - Software Engineering 3- Abdul Rahman Omar Abdullah Awad (31801003030) - Computer Information Systems 4- Ghaith Mahmoud Fendi Hatamleh (31801001142) - Computer Science	Strategy builder	a web application to serve our colleges which can be used by the Heads of Departments for each major the main idea is the head of department enter the plan that is expected to be implemented over the semester then they start everyday to enter which plans they completed successfully and in the end the application draw a charts which represent the success rate among the expected and implemented plans with a descriptions.
Rashid Dhaifallah Al-Shoufeen (31501002517) - Software Engineering. 2- Nadine Adel Nimer Al-Arr (31601003039) - Computer Information Systems. 3- Ruba Khaled Al-Dabbas (31701001020) - Computer Science. 4- Iyad Khaled Al-Nawaji (31601002078) - Software Engineering	Electronics Website	A site that allows users to browse electronic devices of all kinds and know their prices. It also provides the advantages and disadvantages of each available device and comparing them in order to make it easier for the user to choose the device he wants.
1- Assem Shaddad Al-Fuqaha (31701003075) - Computer Information Systems 2- Nidal Jumaa (31701003082) - Computer Information Systems	Best Prize	Simply it's a site that compares a products prices in a deferent sores and give you the lowest price near to your location
Iman Mohamed Al-Warawara (31701003029) Computer Information Systems Marwa Khaled Al-Aqrabawi (31701002031) Computer science	Painting for all (paintopaedia)	Paintopaedia`s mission is to create the best painting reference world has ever seen and to make it available for free,for ever ,for all.
1- muhamad hasib alrijal (31801001002) - eilm hasub 2- 'ahmad maeadh mahdawi (31701001031) - eilm hasub 3- yazid saeid ewad (31701001080)	BreadJO	The goal of our project is to reduce the overcrowding of the bakery, There are will be communication between the bakery and the customer, bread will be delivered to the home at nominal prices. All of this is to reduce the crises that increase the cases of corona and facilitate people to reach the main need in the Jordanian home, which is bread



- eilm hasub 4- eumar muhamad dmr (31701001082) - eilm hasub		
Muhammad Suleiman Mubarak - 31701002092 - Software Engineering Saed Jihad Ibrahim - 31701002075 - Software Engineering Basil Ahmad Malkawi - 31701002111 - Software Engineering	Health Application	Application for calculating suitable calories in daily food, depending on age, gender, weight and height for person
1- Samir Al-Twal 31601001083 2- Laith Mubarak 31601001504	Sike!	It's basically a movie theater, a place where you can watch, search and discover new movies.