

Project Title	<i>DIGITALLY ADMINISTERED SMART HOME [DASH]</i>
Level	<i>BTech</i>
Students Name	<i>SAUD KHALAF SULEIMAN ALSOBHI(26S1349) JASSIM RASHED MAHFOUD ALMUJAZI (26J13130)</i>
Supervisor Name	<i>Mrs. Sonia</i>
Academic Year	2018-2019
Semester	1
Abstract	<p>Smart Home is normal home which has a technology to control some parts automatically without any force from the people in that house. So the sensors control these parts and also there are some devices to help the sensors to work perfectly.</p> <p>The sensors are used to sense if there are any action to be performed in the house. It can be used to determine the type whether it is heat, movement, humidity or pressure or any natural phenomena.</p> <p>Digitally Administered Smart Home (DASH) that which programmed to control various natural process automatically. It helps to complete the work without human interaction. Also it has several systems such as if there is LPG leaking in the kitchen and exhaust fan will switch ON and the gas will be dominated bad odor will be replaced with good fragrance. Second if the water level in the tank is lower than a specific point the light will switch ON. The third system is about the garden whenever the soil is dry the sensor will work and the light will switch ON.</p> <p>DASH will have several sensors such as: Water level sensor to check when the tank has low water. MQ-2 sensor which will sense the propane gas in the kitchen and if there is leaking the exhausted fan will work also to sense when the bad odor is more in washroom it will clean the air.</p> <p>There are several advantages of use sensors for example: we heard that there are many fire situations in different houses and the reason behind this is propane gas or there is a gas leaking in the kitchen. Also when the washroom is not clean or there is bad odor the spray will work automatically. No need to care about who will watering the garden when the home member is outside, because it will have done automatically when the soil moisture is less. Also when the tank has low level of water it will filling automatically rather than human intervention. The current trend of Internet of Things was a major motivating factor for our design and development of the SMART HOME prototype.</p>

Project Title	Online Diet Care System (DCS)
Level	BTech
Students Name	Buthaina Al-hinai(26j1433) Maqboola Al-rashdi(26j145)
Supervisor Name	Dr. Mohammed Faisal
Academic Year	2018-2019
Semester	1
Abstract	It is an application for diet care allows users to manage their diet. This web-based application system will help user to register and login, view subscription, select subscription, conform and mange subscription It is also easy for the admin to manage the diet center and its data through a special application of the admin in ASP.NET and app inventor They both use the MYSQL technology.

Project Title	ROBOPIC
Level	BTech
Students Name	TURATH ABDULLAH ALSAIFI(26S138) JAWAHER ALI ALABRI (26J1411)
Supervisor Name	Mrs. Sonia
Academic Year	2018-2019
Semester	1
Abstract	The RoboPic is a design to facilitate the users with the select, view, download, upload and different photos. The user will have to download and install in the app in his\her laptop or phone. The photographers/designers can use the robot to take photos. The Robot will be programmed to move to complicated areas and click photos from those areas. Then these photos will be uploaded using Raspberry Pi into Cloud. Further, these photos will be available to the registered users who can download, view and purchase the photos. Reports of the sales will be displayed.

Project Title	<i>صح لسانك</i>
Level	BTech
Students Name	<i>Najlaa salim aljunibi(26j1418)</i> <i>Safaa said algafri (26s1393)</i>
Supervisor Name	<i>Mr. Vinesh Jain</i>
Academic Year	2018-2019
Semester	1
Abstract	The (صح لسانك) project goal is to create a platform for poets of the country. The platform will allow the poet to upload their poems, view how many likes and dislikes, comments from viewers etc. The platform will allow followers of the poet to rate their poems. Only registered people can use the website /mobile app. Poets can upload their poems also they can update and delete the poems. Sharing the poems in other social media. The poet can act like a follower and follow other poets they can comment on their poems, like and rate the poems. The Project Language is Arabic.

Project Title	<i>Medical Representative System</i>
Level	BTech
Students Name	<i>Nahid Saayid Al-Aamri (26s1364)</i> <i>Nashwa Salim Al-Nabhani (26s1388)</i>
Supervisor Name	<i>Dr. Sanjay Gupta</i>
Academic Year	2018-2019
Semester	1
Abstract	This system connects five main users (admin of system, admin of a pharmaceutical company, admin of hospital, medical representative, and doctor). Any pharmaceutical company can register in this system. Also, the admin will add medical representative with drugs and then facilitate the process of advertising medicines with their presentation. Also, any hospital can register in the application also the admin of hospital will add doctors. The Doctors representative can view list of drugs based on search result (search the drugs based on specific type) and select one drug and can view list of companies based on search result (search the MR based), also can select any hospital from the list and see the doctors. The medical representative can select any doctors from the list & take appointment based on his scheduled by sending message. He will wait until the doctors can see the appointment and he can reject or accept it. The doctors can see the videos and drugs.

Project Title	<i>IOT based Resource usage controller for our House</i>
Level	<i>Advanced Diploma</i>
Students Name	<i>Zamzam AL-riyami (26j1420)</i> <i>Jawaher Al-raqmi (26s1428)</i> <i>Aisha Al-hinai (26s168581)</i>
Supervisor Name	<i>Dr. SVS Mani</i>
Academic Year	2018-2019
Semester	1
Abstract	<p>With advancement of Automation technology, life is getting simpler and easier in all aspects. In today's world Automatic systems are being preferred over manual system. With the rapid increase in the number of users of internet over the past decade has made Internet a part and parcel of life, and IoT is the latest and emerging internet technology. The System Resource usage controller for our house provides an intergrade solution for power, water and Electricity management using IOT.</p> <p>This system manages all things related to home in water, power and water irrigation is used to check or to control the water system when the tank full or empty. Also it can use to manage irrigation in our house. This system is controlling by application which allow each use to irrigate for different time. Also, this system is controlling to reduce electricity consumption and for power if there no body inside home. In addition, this system also can control for water irrigation if you want to irrigate plant you can control time of irrigate by using timer on the application. This system is a smart way of using IOT technology to cut time and improve the quality of people life. In the future we can do different plant to be irrigate different time.</p>

Project Title	<i>Programming Blog</i>
Level	<i>Advanced Diploma</i>
Students Name	<i>Moaiyed Said Alhattali(26s1456)</i> <i>Anwar Salim Almujazi (26j1431)</i>
Supervisor Name	<i>Dr. SVS Mani</i>
Academic Year	2018-2019
Semester	1
Abstract	<p>This project is an application that allows students to search for help to understand some programming languages from other students. The application provides some information about the student who is providing help, such as in which language they can help and topics he can explain. Also app can show a rating on each student so that each student can rating the other student. In the future we can add chat service in the application to communicate more easily. This system used firebase to store student data like in which programming language they can help and all other information.</p>