Cairo University
Faculty of Computers and Artificial intelligence
Computer Science Department
Graduation Projects 2021/2022

Graduation Projects: Academic Year 2021/2022
Computer Science Department

Project Name	**Intelligent Personality Detection**
Team	Hossam Mohamed Aboud 20170090 Habiba Mohamed Naguib 20180084 Kerols Samir Saif 20180205 Magda Osama Mohamed 20180207 Nada Hani Lotfy 20180313
Supervisor	Prof. Abeer Mohamed ElKorany
Contact	hossam_mohamed25@outlook.com habibaabdallah143@gmail.com kerolssamer348@gmail.com magdausama138@gmail.com nadahani24@gmail.com
Description	A person's personality affects one's life at all levels, and one of the most important levels is the person's work life. Personality assessment in the work field provides you with standardized, useful insights regarding how candidates behave in a work context and predict job performance and company fit. By using this data to identify and hire the right candidate you'll also improve the overall productivity and effectiveness of your teams. And that's why we were more focused on building an application with these purposes in mind while also considering the social activity of the applicants to help create more honest and real thoughts about candidates.

Project Name	Diet Tracker
Team	Sara Ibrahim Gad 20180114 Hagar Ehab Mostafa 20180323 Esraa Rafaat Abdelfattah 20180361
Supervisor	Prof. Abeer Mohamed ElKorany
Contact	saraibrahim1542@gmail.com hagar.ehab999@gmail.com esraaraaft3@gmail.com
Description	An online platform connecting doctors and patients where diet is digitalized to track patient's health and help doctors make diet calculations.

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Project Name	**Intelligent Customer Support Service**
Team	Abdelrahman Ashraf Mohamed 20180150 Ahmed Nabil Mohamed Salah 20180413 Fares Gamal Atya 20180375 Mahmoud Ahmed Salah 20180247 Youssef Khaled Shawky 20180341
Supervisor	Prof. Abeer Mohamed ElKorany
Contact	abdelrahmanashraf25102000@gmail.com 01063245371
Description	The project is to help companies to improve their customer support without human factor by building a conversational AI which will be the communication between the customer and his/her company to solve his/her issues. This project will help companies to establish a long-term relationship between them and their clients

Project Name	Corner
Team	Mohamed Yosry Abdelaal 20180246 Mohamed Mahmoud Mansour 20180239 Mohamed Gamal Diab 20180218 Zyad Mohamed Amin 20180111 Manar Atef Sayed 20180290
Supervisor	DR. Khaled Wassef TA. Ashraf Mohey
Contact	mohamedyosry13@gmail.com
Description	Lot of people face the problem of buying new furniture in their own place. If they want to buy new furniture they must consider many factors like color of the furniture, length, width, height and where to be placed, but most important is that if the furniture is liked by the people who want to buy it. Not to mention time and money which are wasted on finding the appropriate furniture with perfect color, size and most importantly if it is like them or not. These problems almost face everyone who wants to decorate by themselves with no background of how to do that. Our project tries to solve these problems and make it easier to decorate any place with the appropriate pieces of furniture and color by using AR to help users to see their vision of their place in the closest thing to reality and help to modify it. Also it saves time and money instead of go to different stores and search for the appropriate furniture that suits their taste

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Project Name	Take a Seat
Team	Bishoy Mokhless Khela 20180072 Khaled Samir Omar 20180095 Rokaya Adel Bahr 20180102 Norhan Mohamed 20180321 Youssef Ahmed AbdelHafez 20180337
Supervisor	Dr. Khaled Wasif
Contact	khaledsamir2212@gmail.com 01150162250
Description	TIME IS CRITICAL TO EVERYONE!! Everyone wants to save his time and effort. If you went to your favorite restaurant or cafe and it was too crowded to find a seat, what shall you do? If you are going to some restaurant or cafe which is crowded most of the time and you want to be sure that you will find a seat, then "Take a seat" is your solution.

Project Name	Orca VOIP
Team	Nabil Tharwat 20180305 Mohamed Yasser 20180245 Mohamed Hisham 20180243 Mostafa Mohamed 20180281 Mostafa Esmail 20180275
Supervisor	Dr. Ahmed Moussa Shawky
Contact	mostafamohamed8881@gmail.com mohammedre4a@gmail.com mhshaarawy3@gmail.com nabil.tharwat@outlook.com mostafaghareeb132@gmail.com
Description	A VOIP service with peer-to-peer and broadcasting VOIP modes that easily integrate using client SDKs and over WebSockets.

Project Name	**The Voice Based Email for Visually Challenged**
Team	Amr Mohamed Rizk 20160168 Yasmeen Hussein Mahmoud 20150296 Jihad Ahmed Abdulraheem 20150355 Ahmed Samow Mohamed 20170378
Supervisor	Dr. Mohammed El Ramly
Contact	amrmohamed171@gmail.com Yasmeenhussien9@gmail.com gegoahmed17@gmail.com axmedcarab22@gmail.com
Description	The motivation behind our application is to aid the visually impaired people to access their emails in a hassle-free manner without any guidance and to be able to use the email services efficiently. It will be a mobile-based application for visually impaired people. It will be based on IVR " Interactive Voice Response", enabling everything to monitor their email accounts with the help of system voice commands.

Project Name	Ask Mentor
Team	Mohammed Salah Hendy. 20180227 Emad el-din Tarek saiid. 20180170 Omar Hany Ahmed. 20180184 Alaa Adel Soliman. 20180050 Waleed Abdelhakim Mohamed. 20160374
Supervisor	Dr. Mohammed El-Ramly
Contact	mohamed.salah9972@gmail.com waleedsadek98@gmail.com Emadtarek563@gmail.com omarhany1547@gmail.com Alaa.adel.soliman@gmail.com
Description	Most people who get into computer science, whether they are going to study it or shift their career, face the problem of how to start learning and which roadmap they should follow to meet their needs and achieve their goal. At this point, they might want any service or plan to make it easier or possible for them to accomplish the desired outcome. Here, the Ask mentor role comes. It helps them figure out how to find the best mentor to assist them with their target. Ask Mentor platform is designed to help those people we mentioned above by first enabling them to create profiles including their information and interests areas for convenient communications with mentors, then find the best mentors who are matching their interests, and finally, the chosen mentors give instructions supplied sessions and quizzes to determine their mentees' levels against reasonable price and plans.

Project Name	Found and Lost
Team	Eslam Muhammad Muhammad Emad Muhammad Maged
Supervisor	Dr. Basheer
Contact	eslam.mohamed1412@gmail.com mohammed.emad2027@gmail.com mohamedmage89@gmail.com - 01001328972
Description	Found and lost is a platform for lost items.

Project Name	Party Up
Team	Ahmed AlaaEldin ShikhTawel Mahmoud Mohamed Abdelazeem Mustafa Taha Amr Bumadian Kamel Mohamed
Supervisor	Dr. Soha Makady
Contact	ahmedshikhtawel@gmail.com 01142510014
Description	Our Website aims to improve the gaming experience for all gamers by solving the most popular problem that faces gamers which is Randoms. Our Website does that by using a Machine Learning Model that Classifies the Players based on their mentality and gaming strategies and matches the players with the Most compatible players for them.

Project Name	**Detection of school rules violation (catch danger)**
Team	Salma Ahmed Anees Thoraya Atef Anwer Esraa Abu Bakr Mubarak Omar Mohamed Abdel-monem
Supervisor	Dr. Hanaa Bayomi TA. Mohamed Atta
Contact	salma.ahmed.anees@gmail.com thorayaatef13@gmail.com asraa8977@gmail.com omarmohamed2342@outlook.com
Description	Our project is trying to make the environment of living is more secure and safe especially in schools by preventing any violence (fights) and smoking by making a real-time auto-monitoring system that takes videos from surveillance cameras and detects smoking or fighting between students and if happened it sends a notification to an app installed in supervisors phone

Project Name	**Automatic Detection of Car Accidents from Video**
Team	Ahmed Mohamed Rashad Abdel-rhman Mohamed Ramadan Amir Ibrahim Mahmoud Hamza Rabea Sayed Saeed Mohamed Ahmed
Supervisor	Dr. Hanaa Bayomi TA. Hebatallah Mahgoub
Contact	yousef777906@gmail.com ahmed_rashad@stud.cu.edu.eg
Description	Detection The Car Accident from LIve Camera and send Notification to The Interested Organization like Police - ambulance - etc) to take an action

Project Name	School Bus Application
Team	Monzer Mohamed Hemd Mohamed Qasem Saleh
Supervisor	Amin Allam
Contact	mohmmedx@stud.fci-cu.edu.eg
Description	Helping parents to track their son and notify the driver when the son is absence, to take the shortest possible route.

Project Name	**Fake News Detector**
Team	Youssef Bassem Fouad 20180338 Yousef Essam Aziz 20180346 Hazem Tarek Hassan 20180082 Philopateer Wagdy Shawky 20180199 AbdelRahman Feysal Gaber 20180157
Supervisor	Dr. Cherry Ahmed TA. Khloud Khaled
Contact	Youssef-Bassem90@outlook.com yousefessam520@gmail.com hazemt34@gmail.com philopateerwagdy2@gmail.com abdelrahmanfeysl@gmail.com
Description	The main goal of Fake News Detector is to tackle the growing issue of fake news, which has been increasing by the wide-spread use of social media to help people to be able to differentiate between fake news and fact ones. This goal is achieved by using an efficient machine learning model that can learn from examples to improve its performance on detecting fake news.

Project Name	**Graduation Projects Archive(Grad)**
Team	Bahaa El-Deen Osama Sayed 20170078 Abdelrahman Nasr Abdelsalam 20170343 Mohamed Khalid Mohamed 20170230
Supervisor	Dr. Sabah Sayed
Contact	BEOsamaCS98@gmail.com abdelrahman.nasr137@gmail.com m.tawaty96@gmail.com
Description	The main idea is to save graduation projects in a global archive where it is not just for documenting the achievement as a historical event but also making it active for companies, professors and undergraduate students to browse and like. To organize it in a way to be easily accessed we are using two main machine learning approaches: classifying the graduation project as a whole in one of the categories and extracting information which in our case is the keywords, which is done via the power of Natural Language Processing.

Project Name	Spear
Team	Reem Essam Ibrahim Hagar Mohamed Abdelzaher Eman Mahmoud Mostafa Rahma Yasser Ahmed
Supervisor	Dr. Samar Hesham
Contact	reemessam251@gmail.com eman.talha2000@gmail.com rahma.y9079@gmail.com monaomran93@gmail.com hagarr.abdelzaher@gmail.com
Description	Our main objective in this project is to help them feel more included in the society by letting them join the surrounding conversations and participate in them. The application displays the ongoing conversation as a chat between the speakers so that it's easy for the users to follow. They can also write sentences and use the text to speech feature to let the phone spell them out for them. Also, the application helps them to see a transcript of audios on their phone. Finally, it notifies the users of surrounding alarms and sounds through vibration. The user can create an account to have his preferences saved (ex their gender so that the application knows what voice to use in the text to speech).

Project Name	Parking Finder
Team	Hussien Essam Ahmed 20180089 Nada Hossam Eldin Mahmoud 20180308 Nadah Khaled Abdulhameed 20180309 Omnia Fares Elsayed 20180055 Shahinaz Yehia Mohamed 20180131
Supervisor	Dr. Samar Hesham
Contact	hussienessam18@gmail.com nada.hossam19621@gmail.com nadahkhaledd@gmail.com omniafares133@gmail.com ShahyYehia73@gmail.com
Description	Mobile Application that drivers would use to find an on-street parking spot that's the nearest to their chosen location.

Project Name	D-Exam with AntiCheat System
Team	Eyad Youssef - 20180060 Abdelrahman Ammar Abbas - 20180146 Abdelrahman Ali Mohamed - 20180155 Marwan Galal Mohamed - 20180268
Supervisor	Dr. Samar Hesham TA. Ahmed Hassan
Contact	eyadyoussef1336@gmail.com abdelrahman.ali9191@gmail.com abdelrhmanammar.cs@gmail.com marawangalal84@gmail.com
Description	With the current world pandemic everyone is moving towards online exams as it is much safer for the students, with that said, our project aims to have a reliable exam system that is available to everyone to use to prevent students from cheating. Our system will give teachers the ability to create their own exams and provide them to their students. The system will have efficient anti-cheating techniques that aim to achieve equality and fairness.

Project Name	TechPal
Team	Marwa Omar - 20180403 Samar Ashraf - 20180125 Abd Elhadi Omar - 20180373 Neimat Soliman - 20180315
Supervisor	Dr. Manar Elkady TA. Amany Mohamed
Contact	neimat.soliman.ismail@gmail.com abdelhadioumar@gmail.com samar.ashraf.yassin@gmail.com farabi.marwa@gmail.com
Description	Delving into a specific branch or track in computer science can be challenging due to the abundance of courses that exist for each skill related to that track. It makes it difficult for students to find the specific courses they need to advance. Moreover, even after advancing, what awaits them is the excruciatingly annoying process of job hunting. This is where Career Guidance comes to the rescue, our web application is designed to help users along their journey in computer science, whether that's in their learning or job-hunting process. We do this by providing customized course and job recommendations based on collaborative filtering and content-based filtering machine learning algorithms. Providing the latest news relating to the user's track, using various news sources such as Google News API. As well as, providing mentorship sessions held by experienced people in the user's field.

Project Name	**Bus as a Service (BaaS)**
Team	Mohamed Mohsen Ahmed - 20180235 Fady Emad Ibrahim - 20180193 Mahmoud Ashraf Ali - 20180250 Moaz Basheer Anwar - 20180285
Supervisor	Dr. Manar Elkady TA. Basma Mokhtar
Contact	mohamedmohsen46saeed@gmail.com fadyemad14705@gmail.com ma5027300@gmail.com moazbasheer97@gmail.com
Description	This project faces commuting problems by implementing a transportation service for organizations. Organizations will use the service to construct paths and request trips on them. The system will then provide buses together with drivers to complete these trips. Organizations' members are able to join available trips for their organizations, outsiders are also allowed to join trips if the organization allows so.

Project Name	**TechPal**
Team	Marwa Omar - 20180403 Samar Ashraf - 20180125 Abd Elhadi Omar - 20180373 Neimat Soliman - 20180315
Supervisor	Dr. Manar Elkady TA. Amany Mohamed
Contact	neimat.soliman.ismail@gmail.com abdelhadioumar@gmail.com samar.ashraf.yassin@gmail.com farabi.marwa@gmail.com
Description	Delving into a specific branch or track in computer science can be challenging due to the abundance of courses that exist for each skill related to that track. It makes it difficult for students to find the specific courses they need to advance. Moreover, even after advancing, what awaits them is the excruciatingly annoying process of job hunting. This is where Career Guidance comes to the rescue, our web application is designed to help users along their journey in computer science, whether that's in their learning or job-hunting process. We do this by providing customized course and job recommendations based on collaborative filtering and content-based filtering machine learning algorithms. Providing the latest news relating to the user's track, using various news sources such as Google News API. As well as, providing mentorship sessions held by experienced people in the user's field.