

Department of Computer & Information Systems Engineering
 CS-406 Final Year Design Project
Project List



F/SOP/FYDP 02/03/00

Batch 2019

Semester Fall 2022

S.No.	Project Title	Student Name	Supervisor/Co-Supervisor	Industry
1	Design and implement an expert system to analyze plant health	1. Fazil Hanif 2. Zaid Saeed 3. Maroof Ahmed 4. Geetesh Kumar	Dr. Aqeel Haider	
2	Active speaker detection	1. Kashaf Khan 2. Hafsa Zafar 3. Aleesha Ahmed	Dr. Urooj Ainuddin	
3	Automated interview analysis of interview candidates	1. Yusra Habib 2. Labiqa Siddiqui 3. Aiman Javed 4. Eesha Akram	Dr. Urooj Ainuddin	
4	Smart automated interviewing system using gesture analysis and NLP	1. Tooba Nizami 2. Uzair Farooqui 3. Wania Siddiqui 4. Moiz Ali	Ms. Anita Ali	
5	Walk2win-playful companion for reluctant joggers	1. Marium Noman Mufti 2. Fatima Khalid 3. Tooba Abdul Samad 4. Saba Abrar	Dr. Urooj Ainuddin	
6	CaptureDress- an AI enabled automated dressing organizer and combination assistant	1. Muhammad Zain Ammad 2. Haroon Zafar 3. Muhammad Ahmed 4. Areeb Bin Azim	Ms. Ramish Fatima/ Dr. Maria Waqas	
7	Virtual Quran assistant	1. Sohaib Ahmed Abbasi 2. Rohan Ahmed 3. Rumaisa Maryam 4. Haniya Maqsood	Dr. Maria Waqas	Ali Asghar, senior project manager at 10pearls
8	SeekImage (Image retrieval application based on image captioning)	1. Muneeza Baig 2. Zuhaira Abdullah	Dr. Maria Waqas	

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		3. Ghazia Hashmi 4. Sawera Ansari		
9	Resolution enhancement of Low Quality Images	1. Hasnain Ali Arain 2. Sadaf Jawed Farooqui 3. Bisma Ibrahim 4. Ibrahim Rehman	Dr. Maria Waqas	
10	Smart SQL query generator	1. Izma Aziz 2. Ayesha Aamir 3. Eesha Ansari 4. Heba Naveed	Dr. Shahab Tahzeeb	
11	Artificial intelligence based depression detection system	1. Abdullah Ahmed Khan 2. Muhammad Taimoor Jawaid 3. Syed Jahanzaib Ali Zaidi 4. Muhammad Talha	Dr. Shahab Tahzeeb	
12	The career mentor - Artificial intelligence based career counsellor	1. Syeda Bareeha Ali 2. Maimona Khalid 3. Umme Hani 4. Syeda Rida Fatima	Dr. Shahab Tahzeeb	
13	Intelligent braille translator	1. Muhammad Fasihullah Eijaz 2. Hajra Adnan 3. Sukaina Kashif 4. Faraiha Safdar	Dr. Majida Kazmi	Ms. Rubica Raza. Finance manager at Ida Rieu school for blinds
14	Diabetic retinopathy diagnostics using federated learning approach	1. Bushra Ashfaque	Dr. Majida Kazmi/ Prof. Dr. Saad Ahmed Qazi	
15	Pakistan sign language (PSL) interpreter	1. Anusha Safdar 2. Syed Hammad Ali 3. Mahnoor Iqbal 4. Muhammad Huzaifa Yousuf	Dr. Majida Kazmi	Rubika Raza, finance secretary at Ida Rieu Welfare Association (IRWA)
16	Transformer based Urdu OCR	1. Syeda Jawairiya Kazmi 2. Aisha Khan 3. Yusra Moin 4. Shayan Abid	Ms. Fauzia Yasir/ Dr. Majida Kazmi	

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17	Optimal robotic arm gripper	1. Owais Ahmed 2. Hamza Ali Khan 3. Muhammad Huzaifa 4. Muhammad Areeb	Ms. Anita Ali	
18	DeepFai (Intelligence for audio deepfake)	1. Syed Saad Ali 2. Muhammad Arham Khan 3. Mina Baig 4. Rida Saleem	Ms. Anita Ali	
19	Design of structural health monitoring system on FPGA	1. Muhammad Umar 2. Mir Shahnawaz Abbasi 3. Aiman 4. Shakeel Ahmad	Ms. Fakhra Aftab/ Dr. Majida Kazmi	
20	Deep learning based automated quality assurance for detecting surface defects	1. Kaenaat Samad 2. Iqra Imran 3. Neha Fatima 4. Rana Junaid	Ms. Fakhra Aftab/ Dr. Majida Kazmi	Mohammad Saqlain, team lead at P&G
21	Energy efficient AI core on FPGA for point of care application	1. Alauddin Taha 2. Rimsha Sohail 3. Muhammad Shoaib 4. Osamah Ameen	Ms. Fauzia Yasir/ Dr. Majida Kazmi	
22	Adaptive traffic signal using computer vision for intelligent transportation system (ITS)	1. Hamza Munir 2. Anas 3. Shah Hussain 4. Areeba Fayyaz	Ms. Mehwish Raza/ Dr. Majida Kazmi	
23	Flood-safe, a flood inundation modelling and mapping service	1. Muhammad Shadab Ahmed 2. Umer Bin Mujeeb 3. Mubashir Ul Hasan 4. Mehmeer Hussain	Dr. Hameeza Ahmed	
24	Cyber profiling and network tracking of eccentric accounts	1. Samreen Shamim 2. Amna Naseem 3. Tehreem Saleem 4. Abdul Moiz	Mr. Kashif Asrar	

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25	Real time IT skills recommender and predictor	1. Sana Parveen 2. Sidra Fatima 3. Wasia Mukhtar Khan 4. Maryam Bashir	Mr. Kashif Asrar	
26	Smart performance appraisal analyzer	1. Khadija 2. Ayesha Farooq 3. Uzma Aijaz 4. Faryal Rana	Mr. Umar Iftikhar/ Mr. Kashif Asrar	Mr. Ehtisham UI Haq, director at VisBizGlobal
27	Smart recommender for process optimization in pharmaceutical industry	1. Rahaab Nadeem 2. Rida Ul Fatima 3. Amna Aslam 4. Anas Ahmed Khan	Mr. Umar Iftikhar/ Mr. Kashif Asrar	Mr. Ehtisham UI Haq, director at VisBizGlobal
28	Polarity detection of bi-lingual data from online source	1. Zobia Khan 2. Muqadas Ashraf 3. Wajiha Khan 4. Hafiza Javeria Adil	Mr. Kashif Asrar	
29	Voice of hearing and speech impaired people	1. Sadaf Manzoor 2. Zakawat Abbas 3. Mehak Zehra 4. Syeda Zoya Haider Rizvi	Prof. Dr. Syed Abbas Ali	
30	DeepCars (Simulation of self-driving car using deep neural network)	1. Muhammad Jan 2. Musfirah Fayyaz 3. Faseeh U Rehman 4. Muhammad Hammad	Prof. Dr. Syed Abbas Ali	
31	Dynamic chatbot	1. Hashir Nadeem 2. Asad Ur Rehman 3. Anas Jaffery 4. Laiba Naz	Prof. Dr. Syed Abbas Ali	
32	AI fashion check using deep learning	1. Hassan Abdullah Khan 2. Haleema Afshan 3. Syed Muhammad Taha 4. Muhammad Nayalish	Mr. Ali Akhtar/ Prof. Dr. Syed Abbas Ali	Mr. Shameel Siddiqui, CEO at 5C NextGen Solution Ltd

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33	Phoenix data security platform (discover, protect, and control static and transit data using vulnerability assessment, data encryption, and tokenization)	1. Arham Ahmed Siddiqui 2. Syed Khurram Abbas Rizvi 3. Shafay Azeem 4. Ahmer Waqar	Ms. Ibshar Ishrat/ Dr. Asad Arfeen	
34	Security orchestration and automation response (SOAR)	1. Dawood Arshad 2. Javeria Jameel 3. Neha Akhter 4. Maheen Khan	Dr. Asad Arfeen	
35	Fractional ownership of real estate using asset tokenization in blockchain	1. Hamza Junaid 2. Mohsin Iqbal 3. Mehdi Zafar 4. Muhammad Shayan	Ms. Ibshar Ishrat/ Dr. Asad Arfeen	
36	Attack eye-External cyber attack surface monitoring solution	1. Muhammad Hamza 2. Muhtashim Malick 3. Muhammad Ebadullah 4. Muhammad Shayan	Dr. Asad Arfeen	
37	Image and video forensics through deep learning and computer vision for finding persons	1. Wajahat Ahmed 2. Aleezah Ikram 3. Tashanam Shahbaz 4. Syed Zohaib Ahsan	Ms. Ibshar Ishrat/ Dr. Asad Arfeen	
38	Strengthening enterprise security by mitigating insider threats using user and entity behavior analysis (UEBA)	1. Mubina waheed 2. Samra Saleem 3. Ali Hamza 4. Samar ul hassan Zaidi	Dr. Asad Arfeen	
39	Diabetics and Heart Disease Prediction using Machine Learning Algorithms	1. Ishaq Kamran	Dr. Syed Zaffar Qasim	

FYDP Coordinator _____

FYDP Review Committee Head _____

Chairperson _____