**Üsküdar University**

**Faculty of Engineering and Natural Sciences**

**Computer Engineering Department**

**Graduation Projects**

**Fall 2020-2021**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Supervisor** | **Subject Title** | **Number of Students for each category** | | | |
| **A** | **B** | **C** | **D** |
| **1** | **Prof. Dr. Kayhan Erciyeş** | Clustering Algorithms with BioPython | 2 | 2 | 3 | 2 |
| Modularity Analysis with BioPyhton |
| Complex Network Analysis |
| Network Design |
| Distributed Algorithms |
| **2** | **Prof.Dr. Serhat ÖZEKES** | Artificial Intelligence | 0 | 0 | 0 | 0 |
| Natural Language Processing |
| Coding tools for ethical hacking |
| Digital Image Processing |
| Computer Forensics |
| **3** | **Dr.Öğr. Üyesi Burhan Pektaş** | Optimization techniques in engineering | 2 | 1 | 4 | 2 |
| **4** | **Dr.Öğr. Üyesi Ümit TAŞ** | Smart Home Control thru Mobile phone (including camera) | 0 | 3 | 1 | 1 |
| Electro Cardio Graph monitoring via Bluetooth + User interface (store, share) |
| Attendance Control |
| 8086 Simulator (%100 Software) |
| Neural Network Model for ECG Diagnostic (Matlab required) |
| Neuro-Fuzzy Model for ECG Diagnostic (Matlab required) |
| **5** | **Dr.Öğr. Üyesi Ihab ELAFF** | Intelligent robotics | 0 | 1 | 0 | 1 |
| **6** | **Dr. Öğr. Üyesi E. Elif Tülay** | Brain – Computer Interface (BCI) | 0 | 2 | 0 | 0 |
| Machine Learning |

For students whom want to register graduation project for this year, the following criteria applies:

1. The student should fill in the "Graduation Projects Preference Form" containing the name of the instructor student preferred.
2. Then send it to Dr. Emine Elif Tülay after signing. You may scan and send either via email to [emineelif.tulay@uskudar.edu.tr](mailto:emineelif.tulay@uskudar.edu.tr) or STIX Message with the subject title “Graduation Projects Preferences Form”.
3. Students will be assigned to instructor’s projects according to the instructor preferences based on available slot for the students’ Categories.
4. After Students will be assigned to instructor’s projects, the remaining quotas would be announced again.
5. Students who still did not assigned to any instructor’s projects will repeat the previous steps.
6. Four “Categories” are available as the following:

|  |  |
| --- | --- |
| **Categories** | **GPA Range** |
| A-Category | 3.34 – 4.00 |
| B-Category | 2.87 – 3.33 |
| C-Category | 2.39 – 2.86 |
| D-Category | 0.00 – 2.38 |

1. **03.11.2020 (at 13:00)** is thedeadline to send "Graduation Projects Preference Form".On **04.11.2020,** students’ distribution on projects and remaining quotas would be announced.