

WELCOME TO OUR NEW STUDENTS



Akdeniz Üniversitesi / Mühendislik Fakültesi

Computer Engineering Department



Akdeniz Üniversitesi / Mühendislik Fakültesi

Yapay Zeka ve Veri Mühendisliği

2024 – 2025

Orientation Meeting for New Students

Prof. Dr. Ümit Deniz ULUŞAR
Department Head

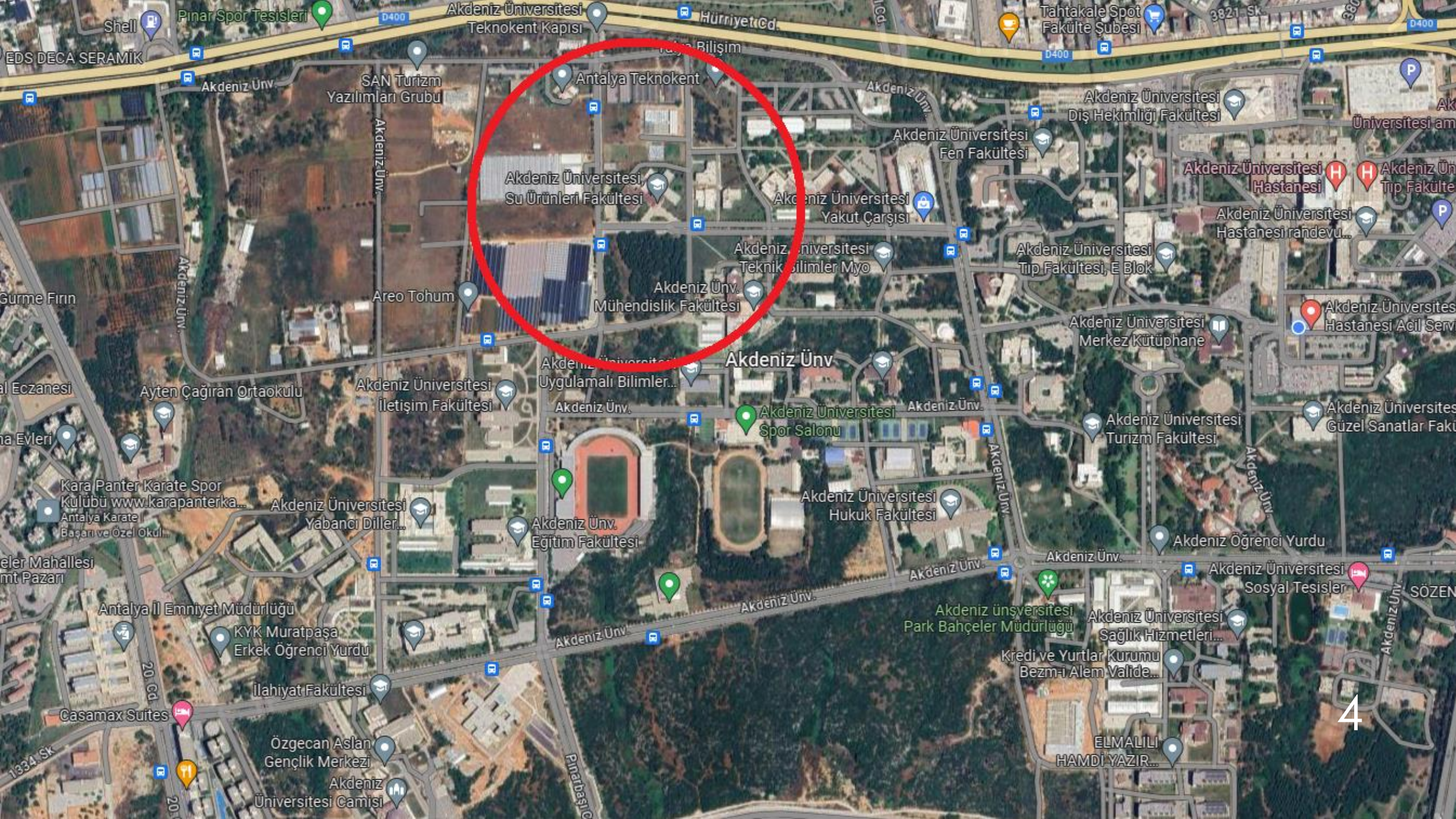
- ▶ Welcome and Introduction
- ▶ Overview of the Computer Engineering Department
- ▶ Academic Programs and Curriculum
- ▶ Facilities and Resources
- ▶ Clubs and Extracurricular Activities
- ▶ Q&A

AGENDA

OUR DEPARTMENTS

- ▶ The Department of **Computer Engineering** at Akdeniz University was established in 2011. The Department of **Artificial Intelligence and Data Engineering** at Akdeniz University was established this year.
- ▶ Our programs are known to be top departments according to the results of the central entrance exam, showcasing the high level of academic excellence and competitiveness within our institution.
- ▶ We take pride in being the only department with MUDEK accreditation, reflecting our commitment to maintaining the highest standards of quality in engineering education.





AKDENİZ'DE ZİRVEDE OLURSUN



Akdeniz Üniversitesi
Bilgisayar Mühendisliği Bölümü

"Geleceğin İçin Doğru Tercih"

2023 Yılı Taban
Başarı Sırası 24400



Akdeniz Üniversitesi
Bilgisayar Mühendisliği
Bölümü Yıllara Göre
Taban Başarı Sırası



**Yıllara Göre
Taban Puan**



AKDENİZ ÜNİVERSİTESİ
"Eğitimde ve Bilimde Öncü Üniversite"

2023 YILINDA "MÜDEK AKREDİTASYON" HEDEFİ

Hayallerinin Ötesinde



MÜDEK, mühendislik programlarının akreditasyonu konusunda Yükseköğretim Kalite Kurulu tarafından ulusal bir kalite güvence kuruluşu olarak tanınmaktadır.



MÜDEK, EUR-ACE Etiketini vermek üzere ENAAE tarafından yetkilendirilmiştir.



MÜDEK, Avrupa Mühendislik Eğitimi Akreditasyonu Ağı ENAAE (European Network for Accreditation of Engineering Education) asil üyesidir.

Akdeniz Üniversitesi Mühendislik Fakültesi Bilgisayar Mühendisliği Bölümü, MÜDEK tarafından 01.05.2023 - 30.09.2025 tarihleri arasında geçerli olmak üzere 2 yıllığına akredite edilmiştir.

MÜDEK, Washington Accord üyesidir.



AKDENİZ ÜNİVERSİTESİ
"Eğitimde ve Bilimde Öncü Üniversite"

Faculty Members



Prof. Dr. Ümit Deniz Uluşar



Phone: +90 (242) 310 6382

Email: umitulusar@akdeniz.edu.tr

Ph.D.: University of Arkansas

M.Sc.: Bogazici University

B.Sc.: Marmara University

Research Interests

- Wireless Sensor Networks
- Software Engineering
- Medical Signal and Image Processing
- Cloud/Edge Computing



Prof. Dr. Melih Günay



Phone: +90 (242) 310 6324

Email: mgunay@akdeniz.edu.tr

Ph.D.: North Carolina State University

M.Sc.: North Carolina State University

B.Sc.: Istanbul Technical University

Research Interests

- Emerging Web Technologies
- Big Data Management and Cloud
- Data Science, Data Mining, NLP
- Robotics and IoT



Assoc. Prof. Dr. Alper Bilge



Phone: +90 (242) 227 4400 / 4311

Email: abilge@akdeniz.edu.tr

Ph.D.: Anadolu University

M.Sc.: Anadolu University

B.Sc.: Anadolu University

Research Interests

- Recommender Systems
- Artificial Intelligence
- Information Filtering
- Privacy



Asst.Prof.Dr. Murat Ak



Phone: +90 (242) 310 6352

Email: muratak@akdeniz.edu.tr

Ph.D.: Bilkent University

M.Sc.: Bilkent University

B.Sc.: Bilkent University

Research Interests

- Cryptography and Provable Security
- Network/Internet Security
- Theoretical Computer Science
- Block Chain Technologies



Assoc.Prof.Dr. Taner Danışman



Phone: +90 (242) 227 4400 / 4392

Email: tdanisman@akdeniz.edu.tr

PostDoc: Lille 1 University Science and Technology

Ph.D.: Dokuz Eylül University

M.Sc.: Dokuz Eylül University

B.Sc.: Dokuz Eylül University

Research Interests

- Computer Vision and Image Processing
- Digital Design / Computer Organization
- Face/Speech Recognition
- Parallel Computing and Operating Systems



Asst.Prof.Dr. Mustafa Berkay Yılmaz



Phone: +90 (242) 227 4400 / 4349

Email: berkayyilmaz@akdeniz.edu.tr

PostDoc: Télécom SudParis, École de technologie supérieure ÉTS

Ph.D.: Sabancı University

M.Sc.: Sabancı University

B.Sc.: Bahçeşehir University

Research Interests

- Biometrics
- Pattern Recognition
- Computer Networks
- Human-Computer Interaction



Asst.Prof.Dr. Hüseyin Gökhan Akçay



Phone: +90 (242) 227 4400 / 4349

Email: hgakcay@akdeniz.edu.tr

Ph.D.: Bilkent University

M.Sc.: Bilkent University

B.Sc.: Bilkent University

Research Interests

- Remote Sensing
- Computer Vision and Image Processing
- Algorithms
- Machine and Deep Learning



Asst.Prof.Dr. Joseph William Ledet



Phone: +90 (242) 227 4400 / 4304

Email: josephledet@akdeniz.edu.tr

Ph.D.: Auburn University

M.Sc.: University of Louisiana at Lafayette

B.Sc.: Louisiana State University

Research Interests

- Software Engineering
- Model Driven Engineering - SysML
- Computer Architecture
- Natural Language Processing



Asst.Prof.Dr. Alper Özcan



Phone: +90 (242) 227 4400 / 4352

Email: alperozcan@akdeniz.edu.tr

Ph.D.: Istanbul Technical University

M.Sc.: Istanbul Technical University

B.Sc.: Istanbul Technical University

Research Interests

- Social Network Analysis
- Bioinformatics
- Virtual and Augmented Reality
- Web and Text Mining

Research Assistants



Manolya Atalay



Phone: +90 (242) 227 4400 / 4354

Email: manolyaatalay@akdeniz.edu.tr

Ph.D.: Middle East Technical University (On Going)

M.Sc.: Akdeniz University

B.Sc.: Dokuz Eylül University

Research Interests

- Cryptography
- IoT Security
- Artificial Intelligence
- Neural Networks



Erdinç Türk



Phone: +90 (242) 227 4400 / 4354

Email: erdincturk@akdeniz.edu.tr

Ph.D.: Akdeniz University (On Going)

M.Sc.: Akdeniz University

B.Sc.: Akdeniz University

Research Interests

- Internet of Things
- Biomedical Signal Processing
- Computer Vision
- Embedded Systems



Melih Öz



Phone: +90 (242) 227 4400 / 4354

Email: melihoz@akdeniz.edu.tr

Ph.D.: Akdeniz University (On Going)

M.Sc.: Akdeniz University

B.Sc.: Akdeniz University

Research Interests

- Machine Learning
- Biomedical Image Processing
- Computer Vision



Taha Yiğit Alkan



Phone: +90 (242) 227 4400 / 4354

Email: yigitalkan@akdeniz.edu.tr

Ph.D.: Akdeniz University (On Going)

M.Sc.: Akdeniz University

B.Sc.: Suleyman Demirel University

Research Interests

- Data Mining
- Information Systems
- Software Engineering
- Design Patterns
- Deep Learning



Berk Ercin



Phone: +90 (242) 227 4400

Email: berkercin@akdeniz.edu.tr

M.Sc.: Akdeniz University (On Going)

B.Sc.: Kastamonu University

Research Interests

- Artificial Intelligence



Barış Doruk Başaran



Phone: +90 (242) 227 4400

Email: dorukbasaran@akdeniz.edu.tr

Ph.D.: Akdeniz University (On Going)

M.Sc.: Akdeniz University

B.Sc.: Akdeniz University

Research Interests

- Data Mining
- Data Science
- Artificial Intelligence
- Machine Learning



CURRICULUM

- Candidate Students
- Undergraduate
- Graduate
- Internship
- Student Exchange Programs
- Accreditation: MÜDEK
- Forms

İNDA "MÜDEK AKREDİTASYON" HEDEFİ

- Undergraduate Curriculum
- Course Content
- Undergraduate Course Schedule
- Grade Conversion
- Graduation Project Principles
- Yan Dal



MÜDEK, Avrupa Mühendislik Eğitimi Akreditasyonu Ağı ENAAEE (European Network for Accreditation of Engineering Education) asil üyesidir.

Bilgisayar Mühendisliği Bölümü, MÜDEK tarafından 01.05.2023 - 30.09.2025 tarihleri arasında geçerli olmak üzere 2 yıllığına akredite edilmiştir. Duyurunun tamamı için tıklayınız

MÜDEK, EUR-ACE Etiketini vermek üzere ENAAEE tarafından yetkilendirilmiştir.



MÜDEK, Washington Accord üyesidir.



AKDENİZ ÜNİVERSİTESİ

- ▶ 240 ECTS for graduation
- ▶ 30 ECTS per semester

Duyurular	
Temmuz 24	Change of Department Head
Temmuz 01	MÜDEK Accreditation
Eylül 25	Participation in UBMK 2023 Conference and BMBB Meeting
Mart 22	Faculty Position in Computer Science and Engineering Department at Akdeniz University
Eylül 25	Participation in SCOSYM 2023 Symposium
Ağustos 17	2023-2024 Fall Undergraduate Course Schedule

TÜM DUYURULAR

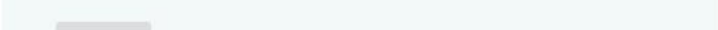
Bağlantılar

- ▶ Candidate Students - Aday Öğrenci
- ▶ Student Affairs - Öğrenci İşleri
- ▶ Akademik Takvim - Important Dates
- ▶ Department Calendar
- ▶ Minor with Electric and Electronics (Yandal)
- ▶ Student Exchange Programs
- ▶ Course Schedules
- ▶ Documents















Üniversite Haberleri



Etkinlikler

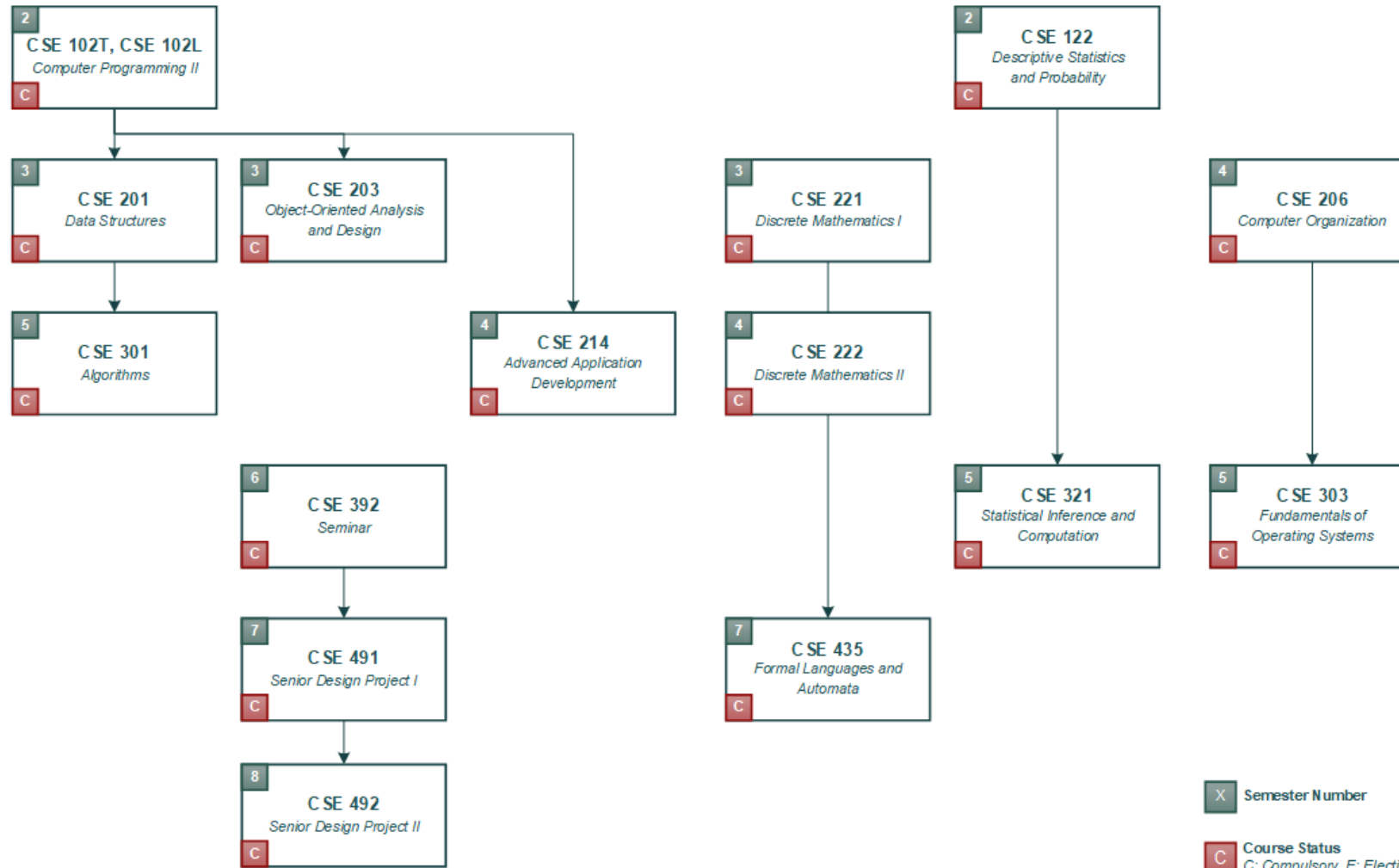


COMPUTER ENGINEERING DEPARTMENT

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
 CSE 101L	Computer Programming I Laboratory	0+2+0	Compulsory	4
 CSE 101T	Computer Programming I	3+0+0	Compulsory	4
 CSE 105	Introduction to Computer Science	2+0+0	Compulsory	2
 CSE 111	Physics for Computer Science I	2+2+0	Compulsory	6
 CSE 181	Natural Sciences	4+0+0	Compulsory	6
 MAT 163	Mathematics for Engineering I	4+2+0	Compulsory	6
 TDB 101	Turkish Language I	2+0+0	Compulsory	2
			Total ECTS	30
2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
 CSE 102L	Computer Programming II Laboratory	0+2+0	Compulsory	4
 CSE 102T	Computer Programming II	3+0+0	Compulsory	4
 CSE 112	Physics for Computer Science II	2+2+0	Compulsory	6
 CSE 122	Statistics for Engineering	3+1+0	Compulsory	6
 KPD 102	Career Planning	1+0+0	Compulsory	2
 MAT 164	Mathematics for Engineering II	4+2+0	Compulsory	6
 TDB 102	Turkish Language II	2+0+0	Compulsory	2
			Total ECTS	30

CONNECTED COURSES PART 1

Computer Engineering Undergraduate Program Compulsory Courses Prerequisite Chain



Keep your GPA > 1.80

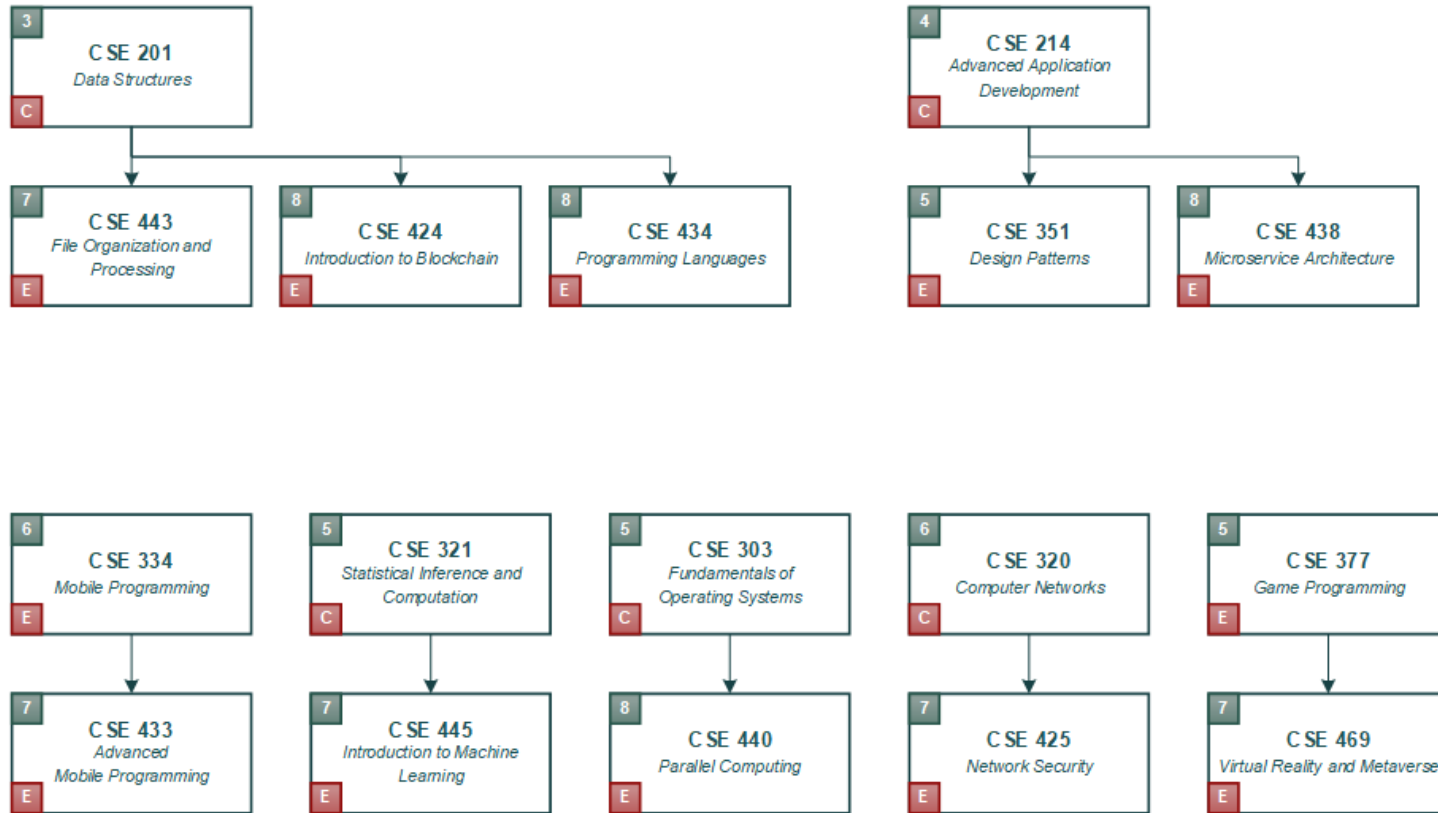
MINIMUM GRADE: CC

X Semester Number

C Course Status
C: Compulsory, E: Elective

CONNECTED COURSES PART 2

Computer Engineering Undergraduate Program Elective Courses Prerequisite Chain



Keep your GPA > 1.80

MINIMUM GRADE: CC

X Semester Number

E Course Status
C: Compulsory, E: Elective

ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING DEPARTMENT

1. Sınıf / 1. Yarıyıl

Zorunlu Dersler

Ders Kodu	Dersin Adı	Koşul*	Teorik Saati	Uyg/Lab. Saati	Ulusal Kredi	AKTS
CSE 101T	Computer Programming I		3	0	3	4
CSE 101L	Computer Programming I Laboratory		0	2	1	4
AIE 105	Introduction to Artificial Intelligence and Data Engineering		2	0	2	2
CSE 181	Natural Sciences		4	0	4	6
FİZ 173	Physics I		3	0	3	4
FİZ 175	Physics I Laboratory		0	2	1	2
MAT 151	Mathematics I		4	2	5	6
TDB 101	Turkish Language I		2	0	2	2
Toplam AKTS						30

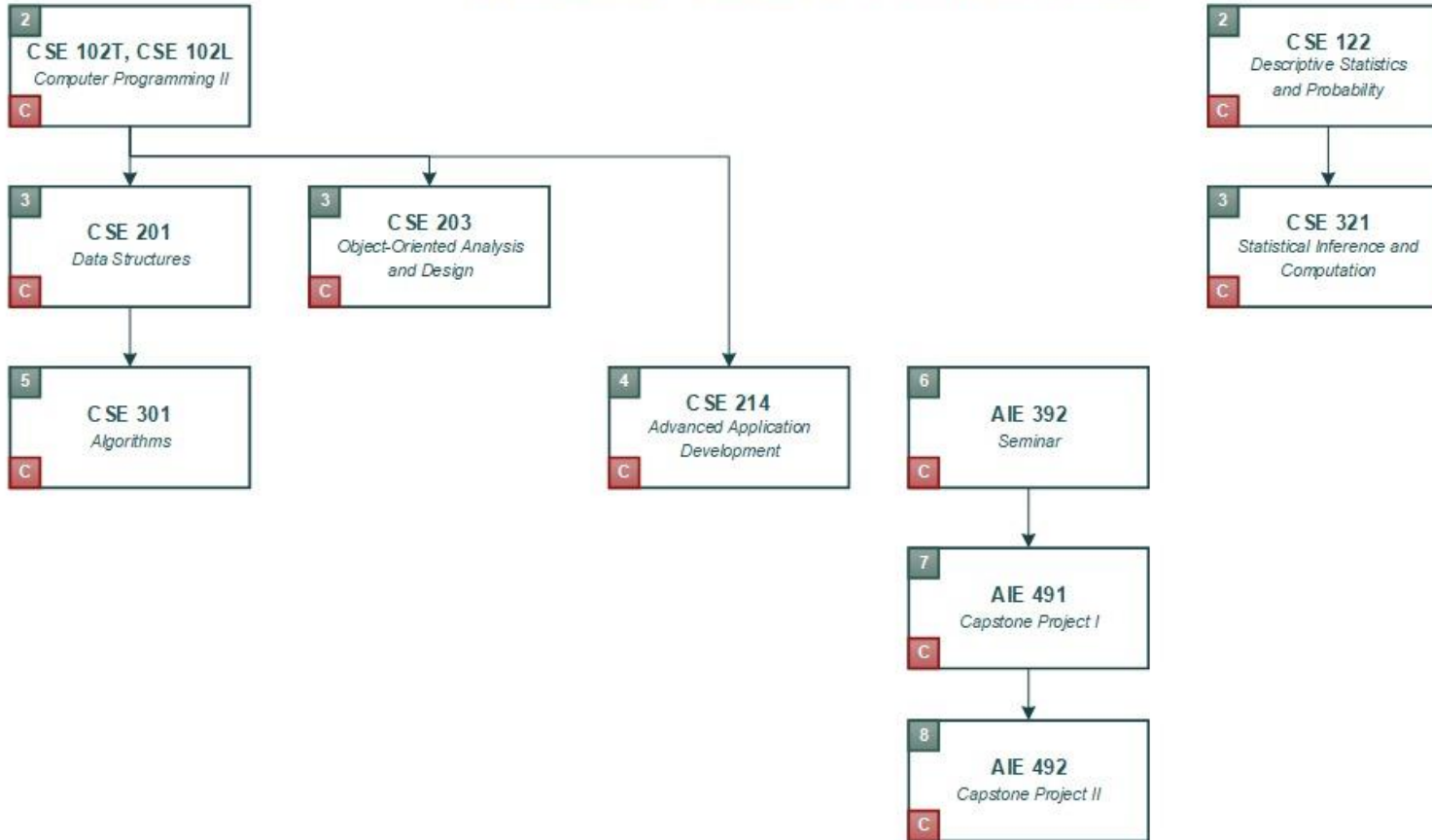
1. Sınıf / 2. Yarıyıl

Zorunlu Dersler

Ders Kodu	Dersin Adı	Koşul*	Teorik Saati	Uyg/Lab. Saati	Ulusal Kredi	AKTS
CSE 102T	Computer Programming II		3	0	3	4
CSE 102L	Computer Programming II Laboratory		0	2	1	4
CSE 122	Descriptive Statistics and Probability		3	1	4	6
FİZ 174	Physics II		3	0	3	4
FİZ 176	Physics II Laboratory		0	2	1	2
KPD 102	Career Planning		1	0	1	2
MAT 152	Mathematics II		4	2	5	6
TDB 102	Turkish Language II		2	0	2	2
Toplam AKTS						30

CONNECTED COURSES

Artificial Intelligence and Data Engineering Undergraduate Program Compulsory Courses Prerequisite Chain



Keep your GPA > 1.80

MINIMUM GRADE: CC

X Semester Number

C Course Status
C: Compulsory, E: Elective

ADVISORS

- ▶ There will be an additional meeting with academic advisors



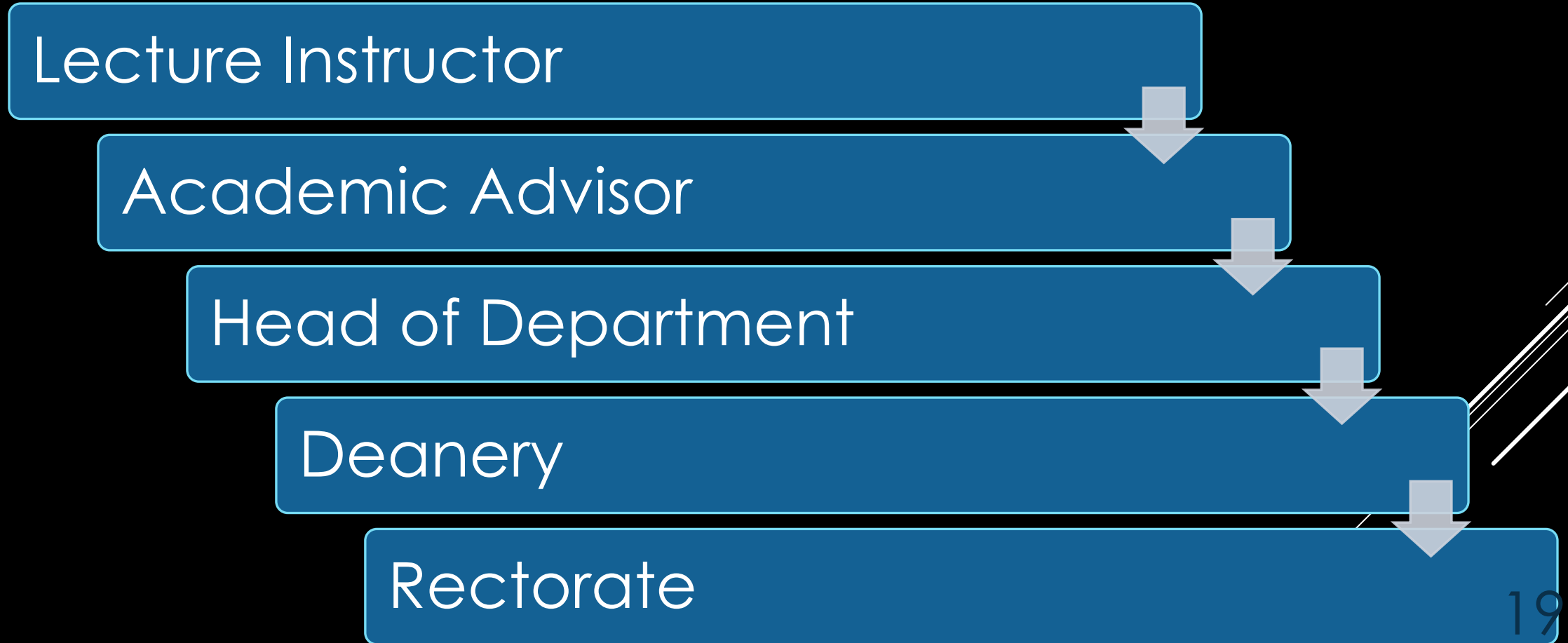
Yeni Kayıt Olan Önlisans ve Lisans Öğrencilerinin Kesin Kayıtları ve Yeterlilik Sınavları

Güz Yarıyılı	Yeni Kayıt Olan Öğrencilerin Kesin Kayıtları ve Yeterlilik Sınavları	Bahar Yarıyılı
19-21 Eylül 2024	Yeni Öğrencilerin Elektronik Kayıtlarının Yapılması(E-Devlet Üzerinden)	---
19-23 Eylül 2024	Yeni Öğrencilerin Kayıtlarının Şahsen Başvurarak Yapılması	---
ÖSYM tarafından ilan edilecektir	Ek Yerleştirme ile Kayıt Hakkı Kazanan Yeni Öğrencilerin Kayıtlarının Yapılması	---
17-18 Eylül 2024	Yatay Geçiş İle Gelen Öğrencilerin Hazırlık Programı Yabancı Dil Düzey Belirleme ve Yeterlik Sınavı	---
19 Eylül 2024	Yatay Geçiş İle Gelen Öğrencilerin Hazırlık Programı Yabancı Dil Düzey Belirleme ve Yeterlik Sınavı Sonuçlarının Duyurulması	---
09 Eylül 2024	Hazırlık Programı Yabancı Dil Düzey Belirleme ve Yeterlik Sınavı (Yazma ve Test Bölümü)	---
10 Eylül 2024	Hazırlık Programı Yabancı Dil Düzey Belirleme ve Yeterlik Sınavı (Konuşma Bölümü)	---
12 Eylül 2024	Hazırlık Programı Yabancı Dil Düzey Belirleme ve Yeterlik Sınavı Sonuçlarının Duyurulması	---
16 Eylül 2024	I. Modül Hazırlık Programı Derslerinin Başlaması	---
10 Ocak 2025	I. Modül Hazırlık Programı Derslerinin Sona Ermesi	---
---	II. Modül Hazırlık Programı Derslerinin Başlaması	10 Şubat 2025

ACADEMIC CALENDAR

[https://oidb.akdeniz.edu.tr/tr/yariyillik onlisans ve lisans takvim-8179](https://oidb.akdeniz.edu.tr/tr/yariyillik_onlisans_ve_lisans_takvim-8179)

ISSUES WORKFLOW





Öğrenci Toplulukları Listesi - Sayı x +

sks.akdeniz.edu.tr/ogrenci_topluluklari_listesi-9971

Akdeniz Üniversitesi
Sağlık, Kültür ve Spor Dairesi Başkanlığı

Anasayfa Başkanlığımız Kalite Şube Müdürlüklerimiz Tesislerimiz S.S.S. Yönerge ve Formlar Galeri

Öğrenci Toplulukları Listesi

2023-2024 Öğretim Yılı Öğrenci Toplulukları

Üniversitemizde **94** Kültür Hizmetleri'ne bağlı, **27** Spor Hizmetleri'ne bağlı toplam **121** topluluk bulunmaktadır.

Kültür Toplulukları (94)

- Afro Antalya Topluluğu
- Ahbap Akdeniz Üniversitesi Topluluğu
- Akdeniz Akademi Topluluğu
- Akdeniz Arkeoloji Topluluğu
- Akdeniz Kalite Elçileri Topluluğu
- Akdeniz Okul Öncesi Eğitim Topluluğu
- Akdeniz Reklam Topluluğu

FACILITIES – CAMPUS

Department Website
<http://cse.akdeniz.edu.tr>

Faculty
<https://muhendislik.akdeniz.edu.tr>

Library
<https://kutuphane.akdeniz.edu.tr/>

SKS
<https://sks.akdeniz.edu.tr/>

IT Department
<http://bidb.akdeniz.edu.tr/>

Student Affairs
<https://oidb.akdeniz.edu.tr/>

International Relations Office
<https://uio.akdeniz.edu.tr/>

E-Kampus
<https://ekampus.akdeniz.edu.tr/>


RESOURCES – CAMPUS

E-KAMPUS AND EDUROAM


- ▶ **Students can connect to the eduroam wireless network using the @ogr.akdeniz.edu.tr**
Enter your student number and verification code at <http://ekampus.akdeniz.edu.tr/hesap/sifre.aspx> and click the Verify button.
- ▶ **Your Eduroam account is:**
studentnumber@ogr.akdeniz.edu.tr
For new applications, your Eduroam user will be active immediately. Your user will be approved within 1 day to use Office365, Microsoft Azure and Imagine services.
- ▶ **Eduroam connection settings can be found at:**
https://eduroam.akdeniz.edu.tr/tr/eduroam_baglant_i_ayarlari-8051



MICROSOFT TEAMS

▼  AU/CSE - Undergraduate

- General
- Internship (Staj)
- Job Opportunities
- Senior Project Design

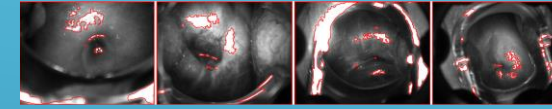
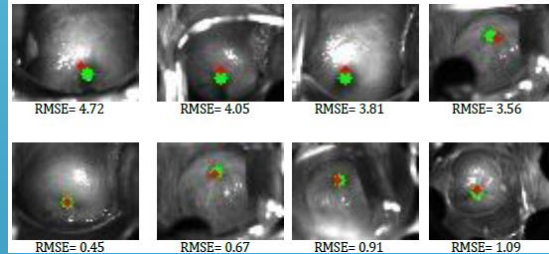
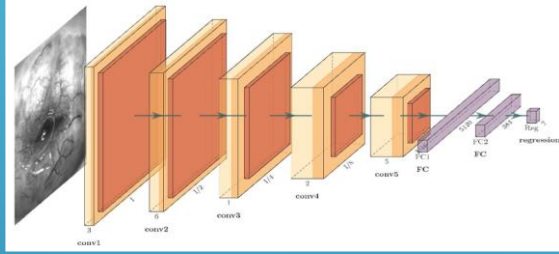
▼  AU/AIE - Undergraduate

- General**
- Job Opportunities
- Student Discussion



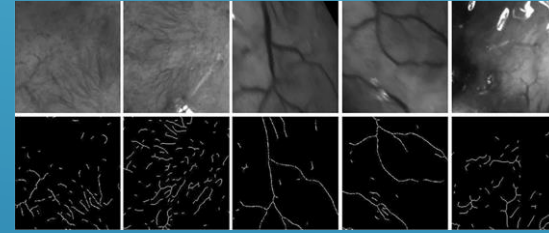
RESEARCH OPPORTUNITIES



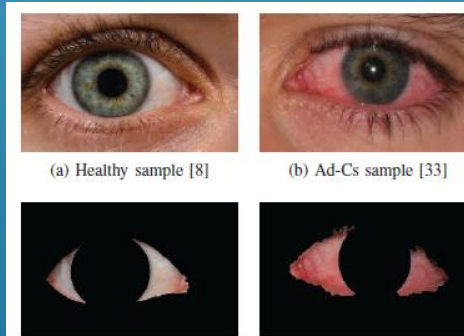
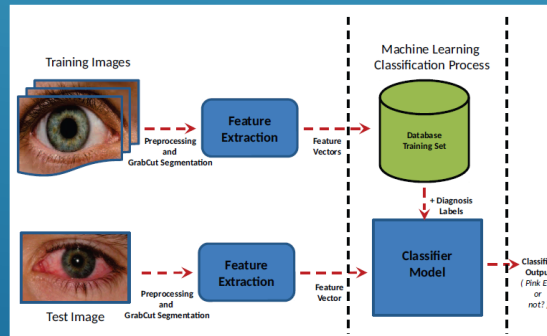


Göz segmentasyonu

Cervical Neoplasia Detection
Assoc. Prof. T. Danışman



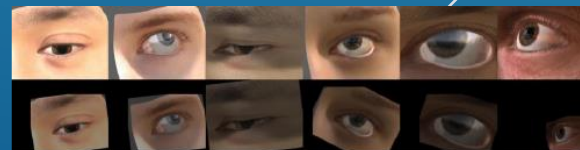
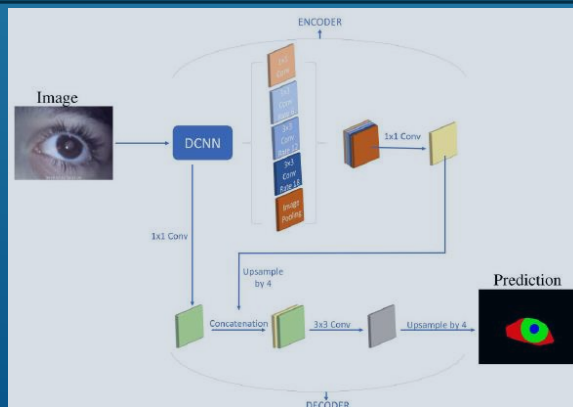
Vessel Segmentation for Cancer Detection



Automatic red-eye detection (Adenoviral Conjunctivitis)

Automated detection of adenoviral conjunctivitis disease from facial images using machine learning

M Gunay, E Goceri, T Danisman



Automatic Eye Segmentation

The Use of Synthetic Data to Facilitate Eye Segmentation Using Deeplabv3+
*Melih Öz, *, Taner Danışman, Melih Günay, Esra Zekiye Şanal, Özgür Duman and Joseph William Ledet*

A Hybrid DenseNet121-unet Model For Brain Tumor Segmentation From MR Images

N Cinar, A Ozcan, M Kaya Biomedical Signal Processing and Control 76, 103647, March 2022

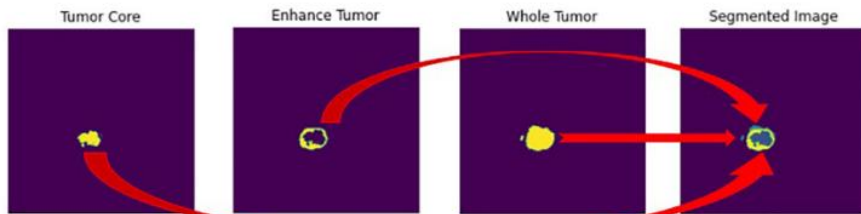


Fig. 7. After the brain MR images are trained with the proposed architecture, postprocessing is performed. In this process, images divided into 64x64 size pieces are combined using coordinate data and converted back to their original size.

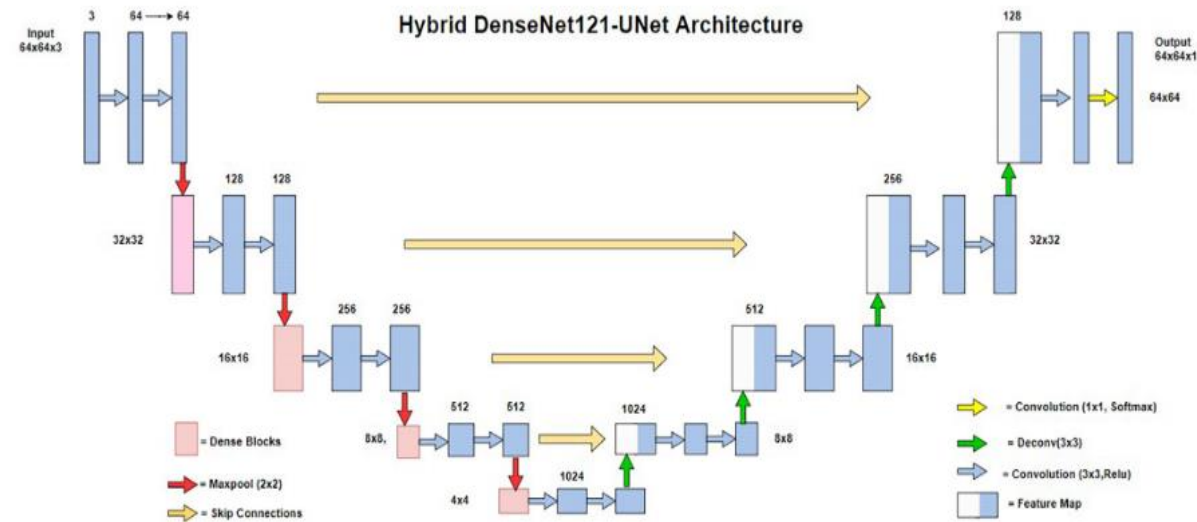


Fig. 6. The proposed hybrid DenseNet121-UNet architecture consists of 2 parts. In the first part, the DenseNet121 model is used as an encoder. In the second part, the UNet model is used as a decoder.

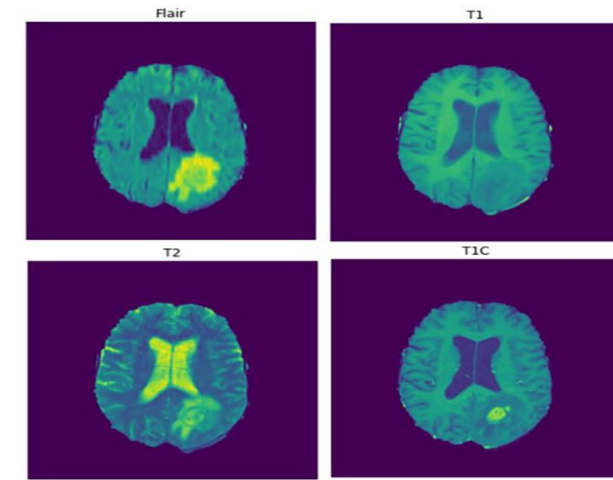


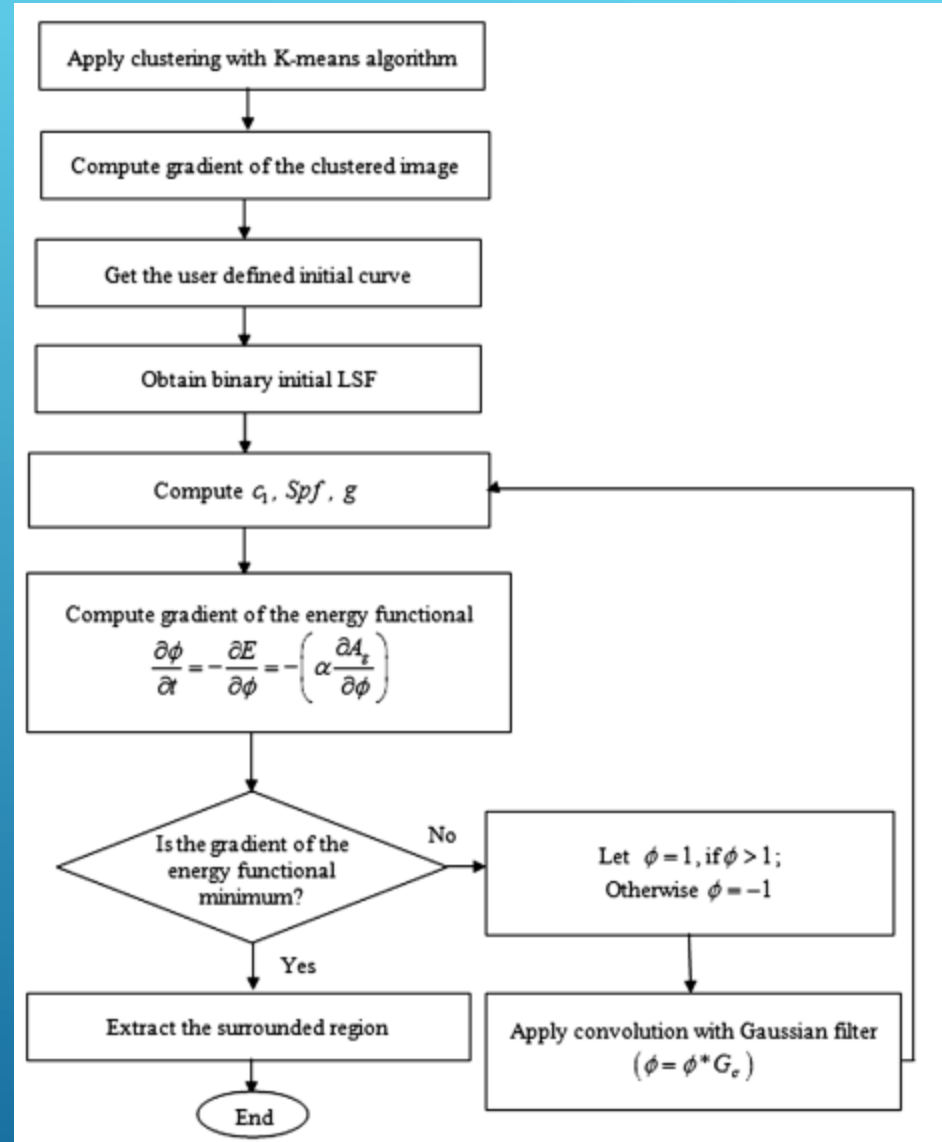
Fig. 1. The four modalities of MR images illustrated, including T1-weighted (T1), T2-weighted (T2), T1-contrasted (T1C) and Fluid attenuated inversion recovery (Flair).



Automated Detection Of Facial Disorders (ADFD): A Novel Approach Based-on Digital Photographs

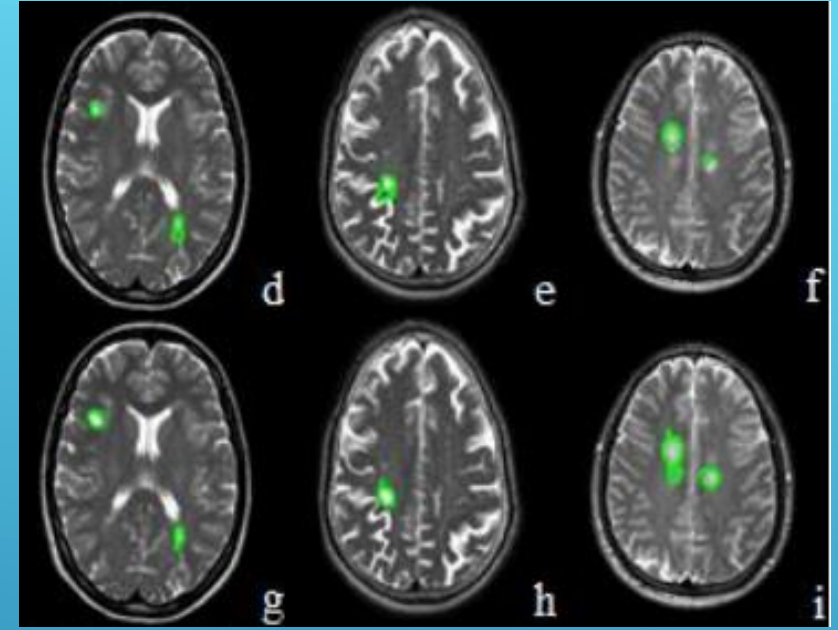
Evgin Goceri & Melih Gunay (2018)
Computer Methods in Biomechanics and
Biomedical Engineering: Imaging &
Visualization

Areas of interest were separated and classification of dermatological disorders was performed using K-Means clustering and image processing.



Automated Skull, Tissue, and Lesion Segmentation from MR Head Images: A Probabilistic and Stable Approach

Evgin GÖÇERİ, Melih GÜNAY, Utku ŞENOL
Akdeniz Üniversitesi



Lesion images obtained by SIGSDDK method

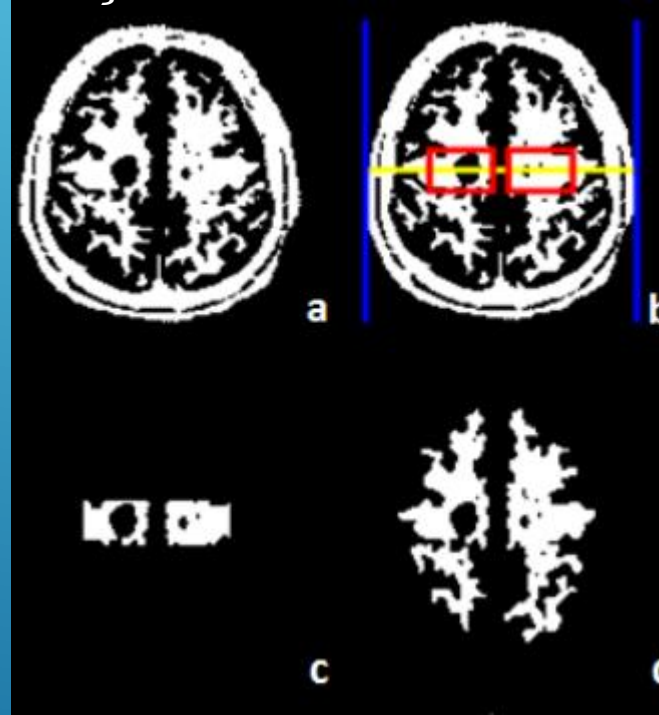
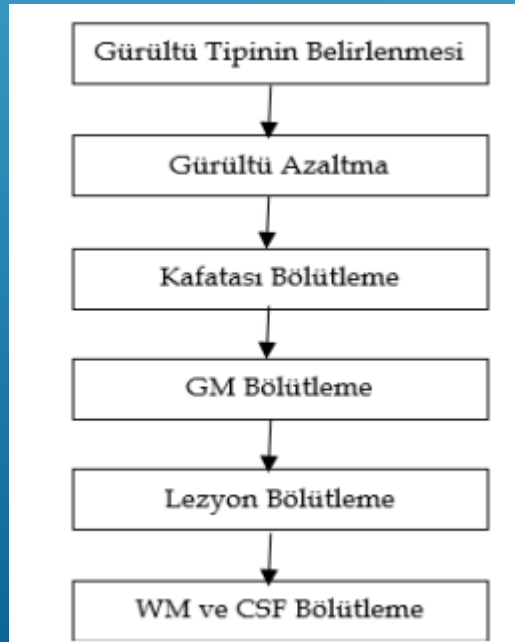


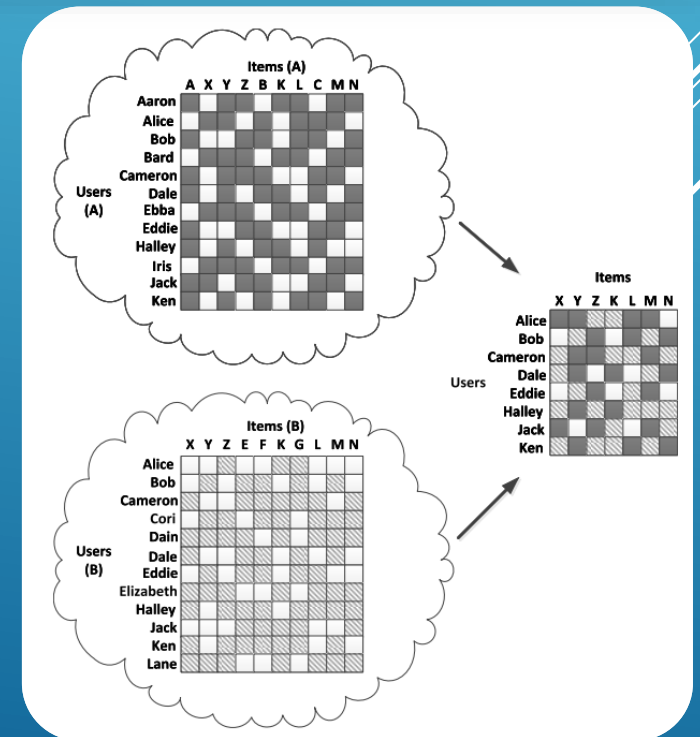
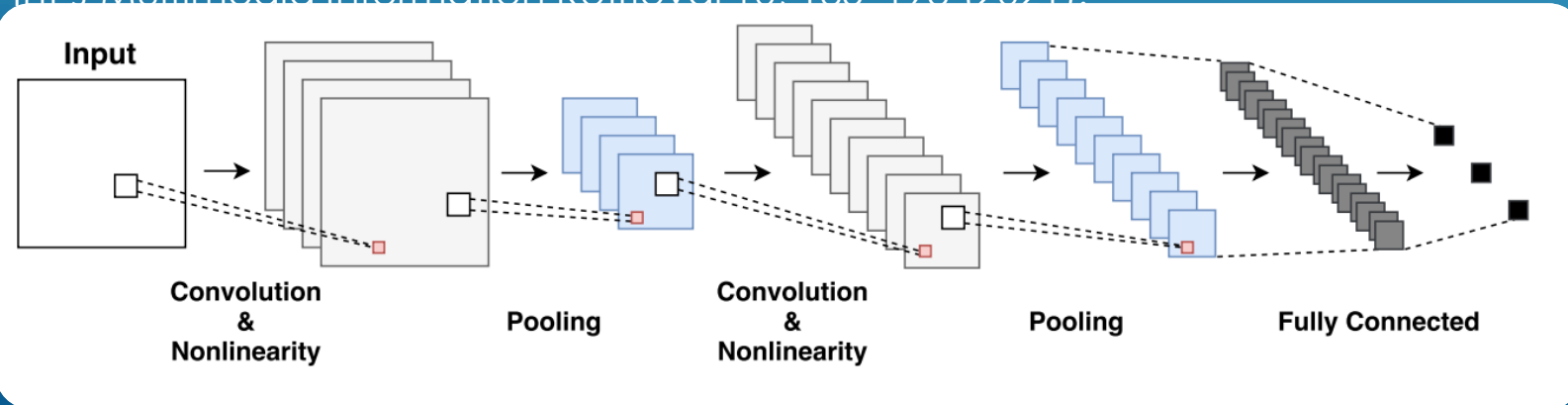
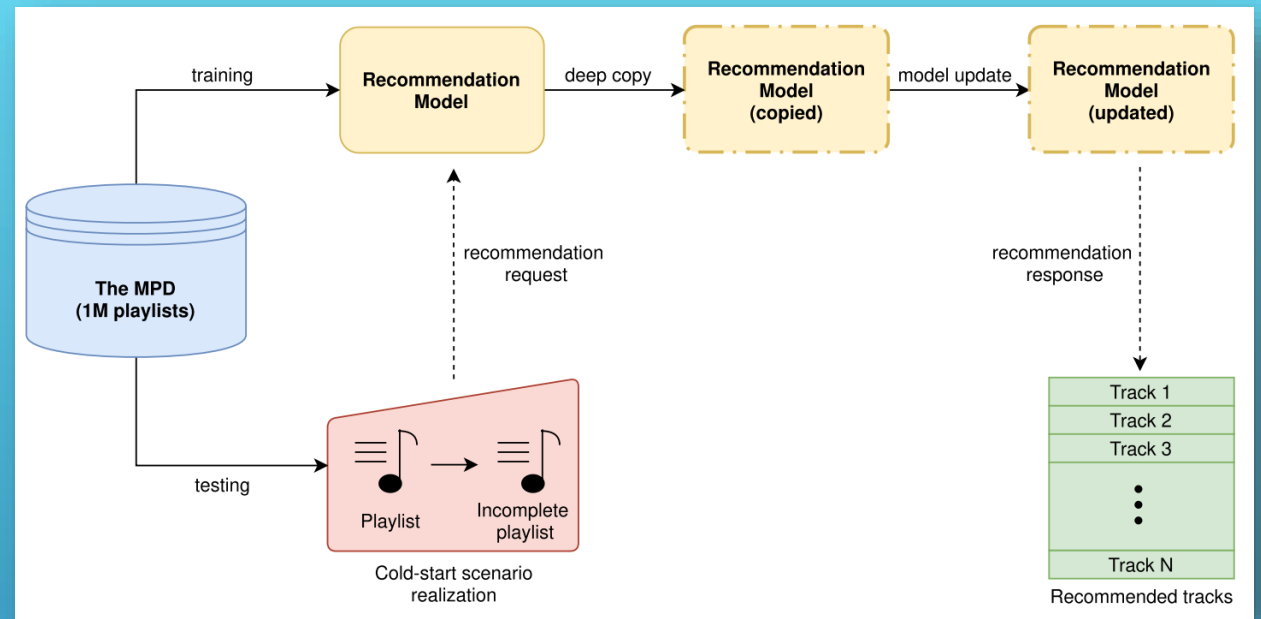
Image obtained by classification



Recommendation Systems:
 Creation of deep neural network models that recommend new tracks to music listeners using hidden semantic information.

Alleviating the cold-start playlist continuation in music recommendation using latent semantic indexing

Yürekli, A., Kaleli, C. & Bilge, A. Alleviating the cold-start playlist continuation in music recommendation using latent semantic indexing. *Int. J. Multimedia Information Retrieval* 10, 185–198 (2021).

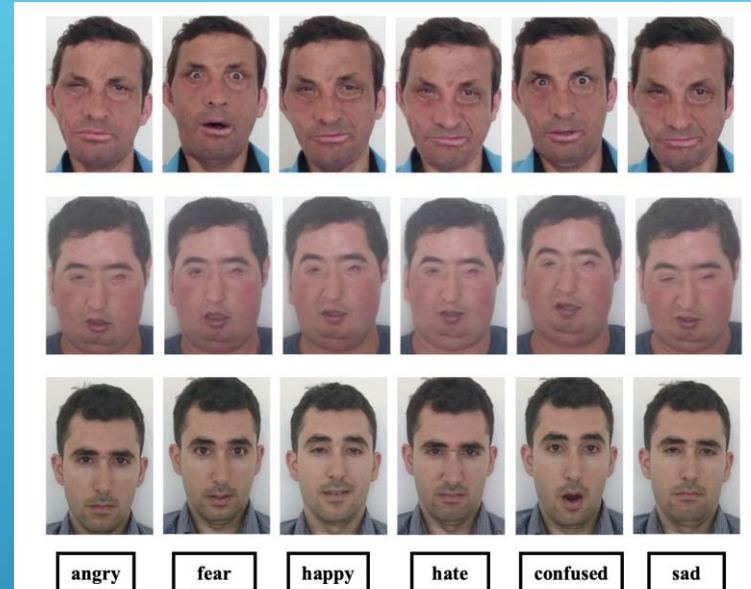


Artificial Intelligence Assisted Emotional Expression Detection in Facial Transplant Patients

Bedeloglu, Merve, Topcu, Cagdas; Akgul, Arzu; Doger, Ela Naz; Sever, Refik; Ozkan, Ozlenen; Ozkan, Omer; Uysal, Hilmi; Polat, Ovunc; Colak, Omer Halil

Table 1 Healthy group results (Region: Eye-mouth combination, Method specific: gabor-lbp-gaborlbp combination)

%	angry	fear	happy	hate	neutral	confused	sad
angry	97.778				2.222		
fear		93.333				6.667	
happy			100				
hate				100			
neutral					100		
confused						100	
sad							100



Why Important:

Evaluation of the Recovery Process
Determination of Rehabilitation
Procedures

Table 2 Case 1 transplant patient results (Region: Eye-mouth combination, Method specific: gabor-lbp-gaborlbp combination)

%	angry	fear	happy	hate	neutral	confused	sad
angry	10						90
fear		80				20	
happy		10	20	20	10	10	30
hate				10			90
neutral	10		30	10	30	10	10
confused	10	20		10		30	30
sad							100

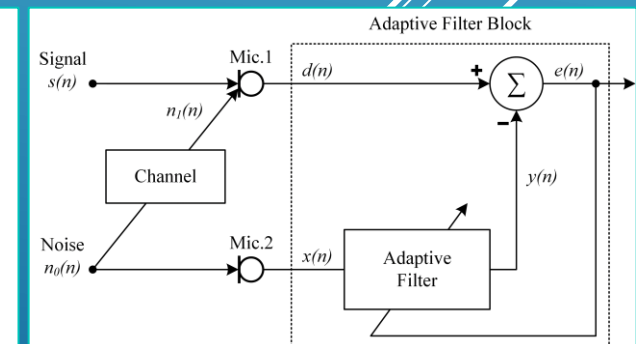
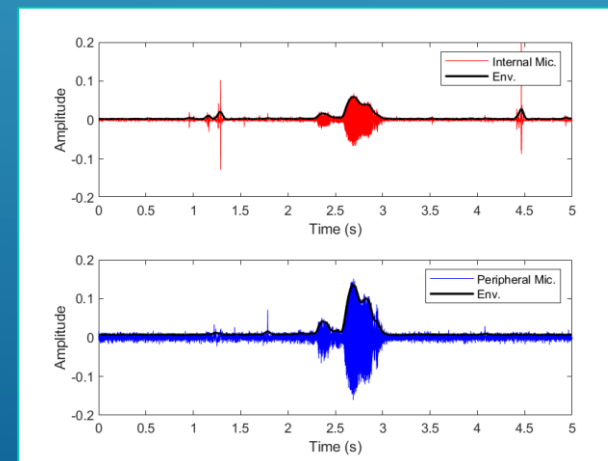
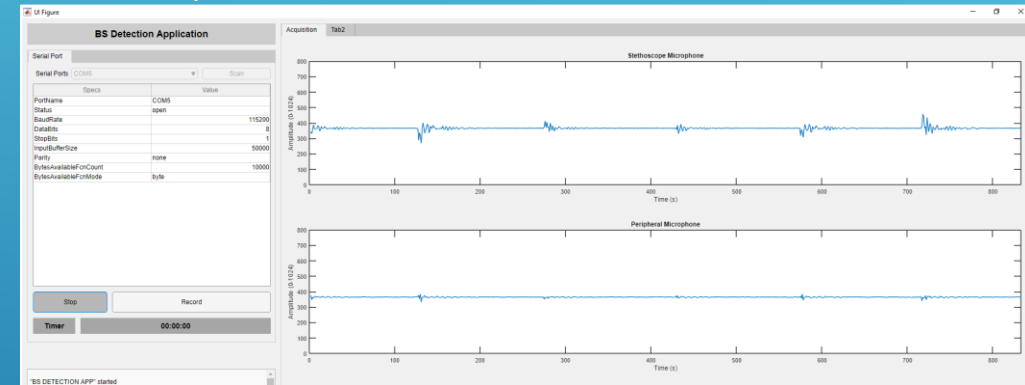
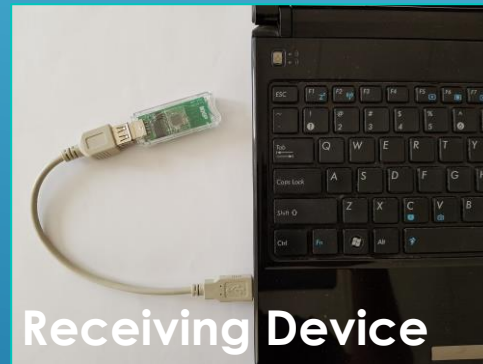
Table 3 Case 2 transplant patient results (Method: Gabor, Region specific: eye-mouth-eyemouth combination)

%	angry	fear	happy	hate	neutral	confused	sad
angry	20	20	20		30	10	
fear		20	80				
happy		20	70				10
hate		80		10	10		
neutral	10	10	10	20	20	30	
confused		20	10	20		40	10
sad		60	20				10

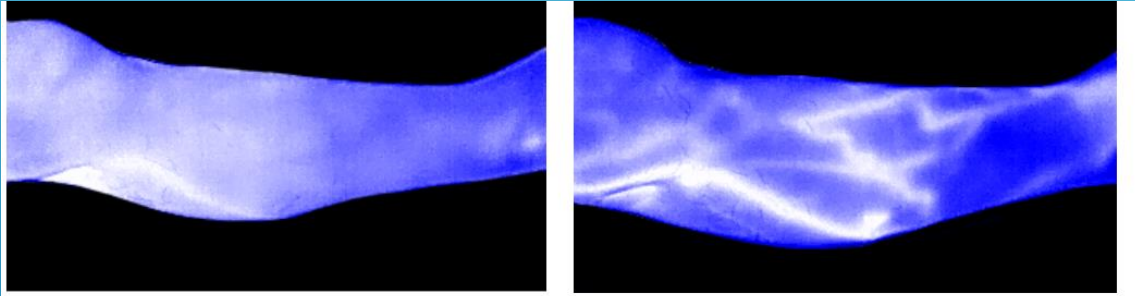
IoT-Driven Electronic Stethoscope for Automatic Detection of Bowel Sounds

- Turk, E., Ulsar, U.D., Ogunc, G., Canpolat, M., Yaprak, M. (2021). Active Noise Cancellation for IoT-Driven Electronic Stethoscope: A Comparative Study of Adaptive Filters. In: Ever, E., Al-Turjman, F. (eds) Forthcoming Networks and Sustainability in the IoT Era. FoNeS-IoT 2020. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 353. Springer, Cham. https://doi.org/10.1007/978-3-030-69431-9_2
- Ulsar, U.D., Turk, E., Oztas, A.S., Savli, A.E., Ogunc, G., Canpolat, M. (2019). IoT and Edge Computing as a Tool for Bowel Activity Monitoring. In: Al-Turjman, F. (eds) Edge Computing. EAI/Springer Innovations in Communication and Computing. Springer, Cham. https://doi.org/10.1007/978-3-319-99061-3_8
- Ulsar, U.D.: Recovery of gastrointestinal tract motility detection using Naive Bayesian and minimum statistics. *Comput. Biol. Med.* 51, 223–228 (2014). <https://doi.org/10.1016/j.combiomed.2014.05.013>

We have developed an IoT-guided Electronic Stethoscope specifically designed to monitor continuous bowel activity of hospitalized patients after abdominal surgery. Active Noise Cancellation methods used for noise reduction have been developed. Naive Bayesian and Minimum Statistics used for recognition of intestinal activity.



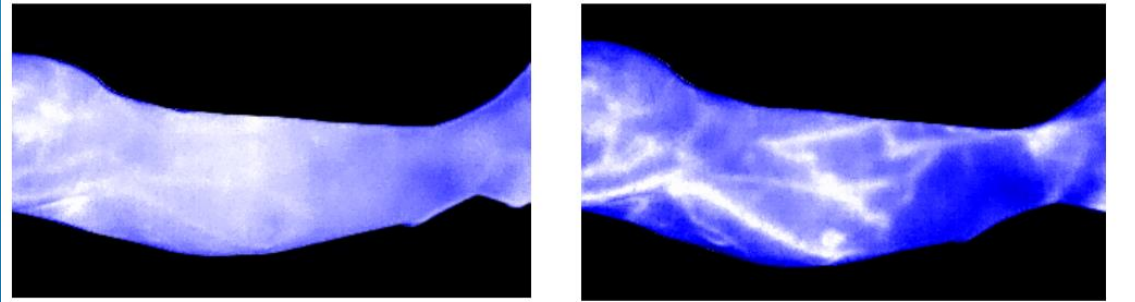
Monitoring Peripheral Artery Disease with Thermal Imaging/Image Processing and Artificial Intelligence Algorithms



(a)

(b)

Şekil 1: Ameliyat öncesi (a) Dinlenme (b) Efor sonrası sıcaklık dağılımı görüntüleri



(a)

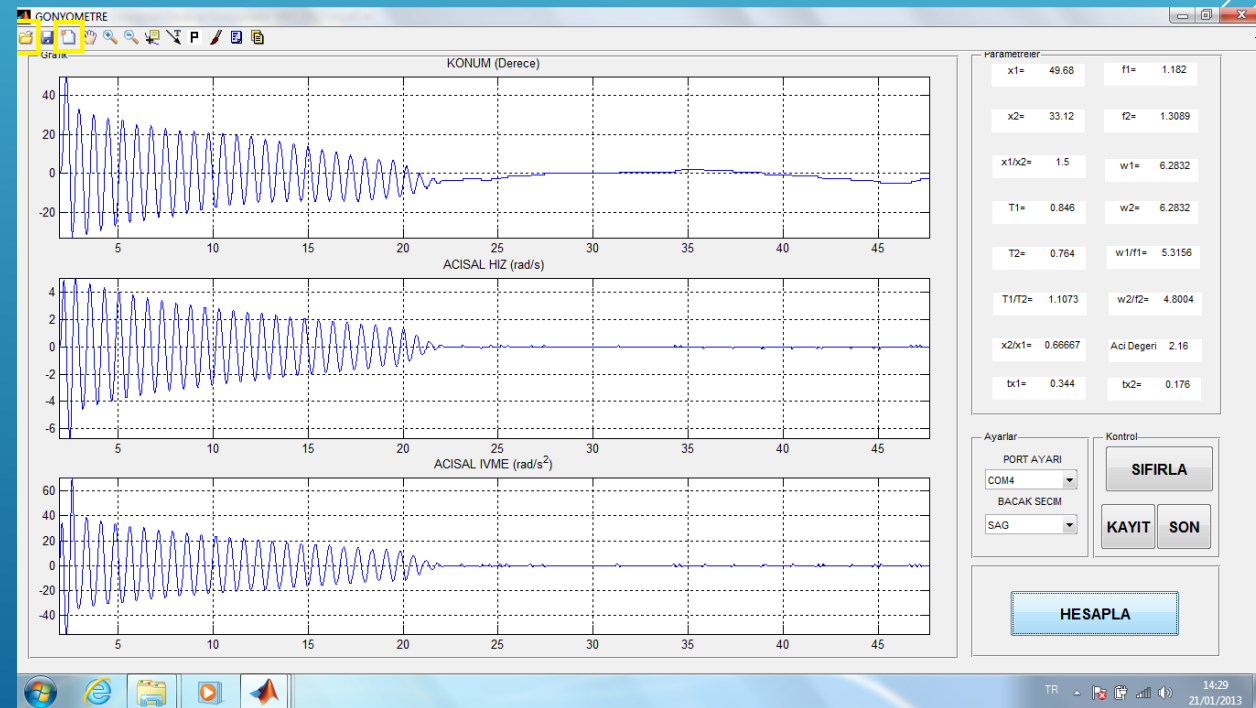
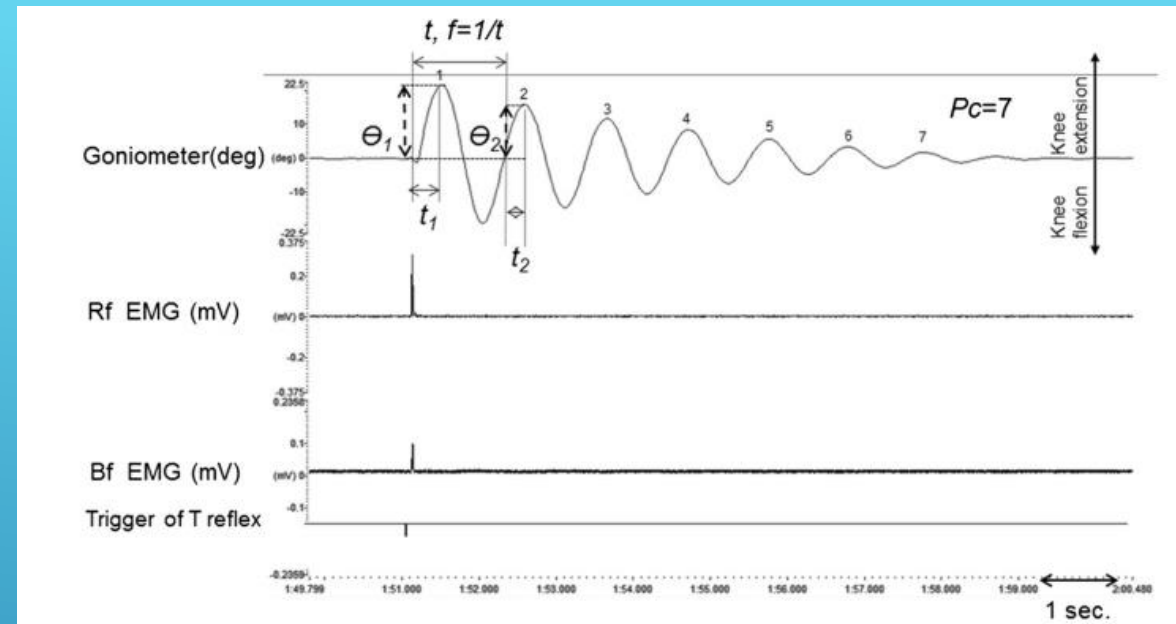
(b)

Şekil 2: Ameliyat sonrası (a) Dinlenme (b) Efor sonrası sıcaklık dağılımı görüntüleri

- Pre-treatment image is taken,
- After the treatment image is taken,
- The difference/ratio between the images is detected,
- Detected differences are trended,
- The trend is evaluated with artificial intelligence,
- It gives a warning when there is a significant difference between the beginning and the beginning,
- Prospective monitoring and planning is carried out by following the trend.

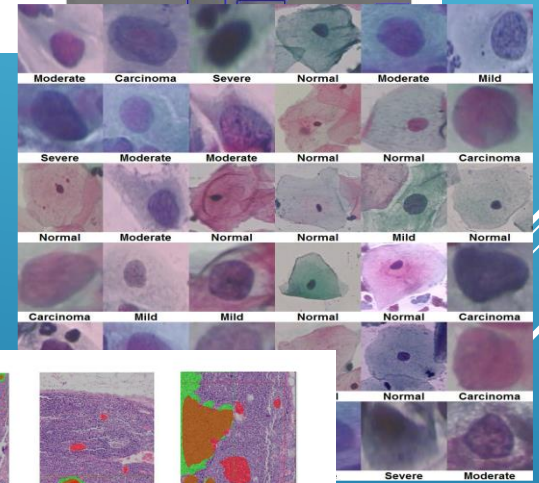
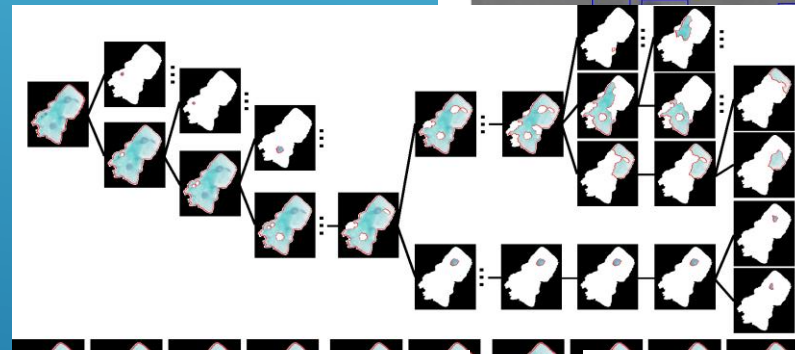
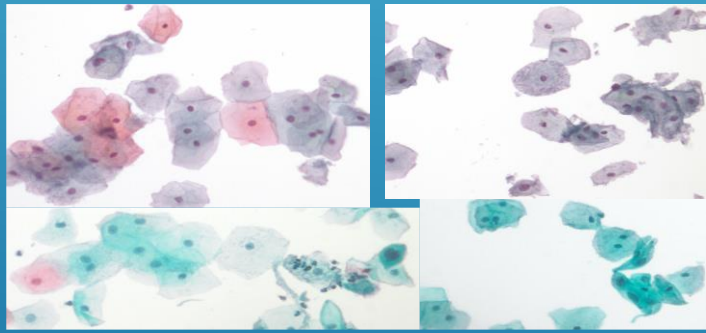
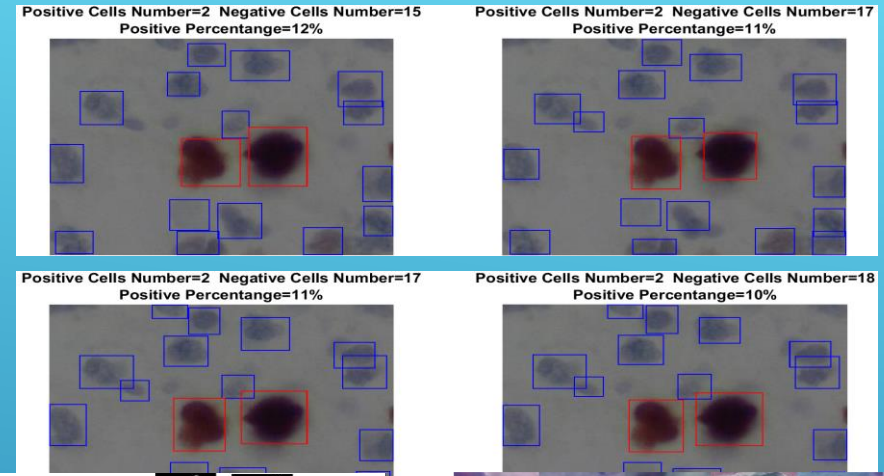
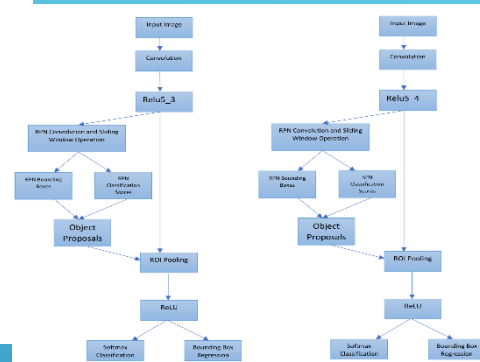
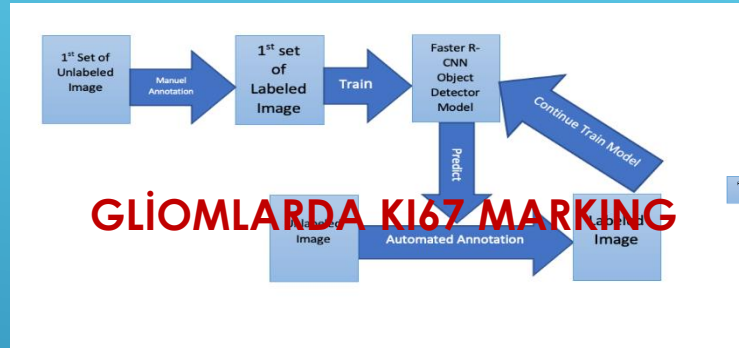
Signal Processing and Artificial Intelligence in Neurology

In this way, feature extraction was made from pendulum signals over goniometer for neurological disorders.

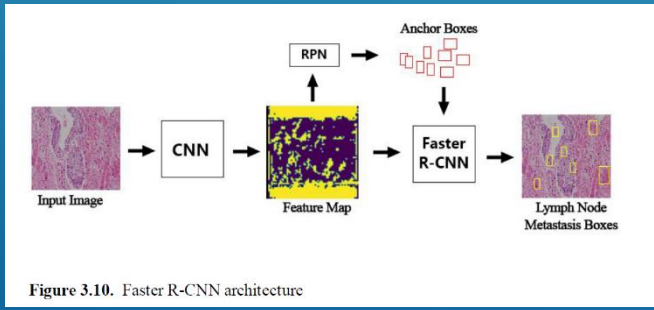


Fusion Planet: Past, Today and Future of Computer Scientific Solutions in Digital Pathology.

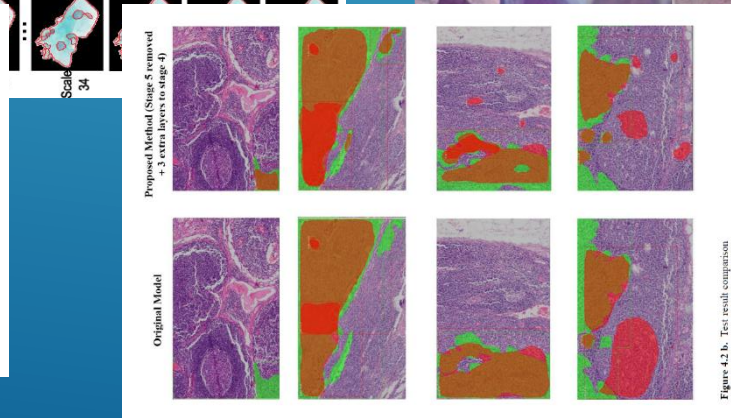
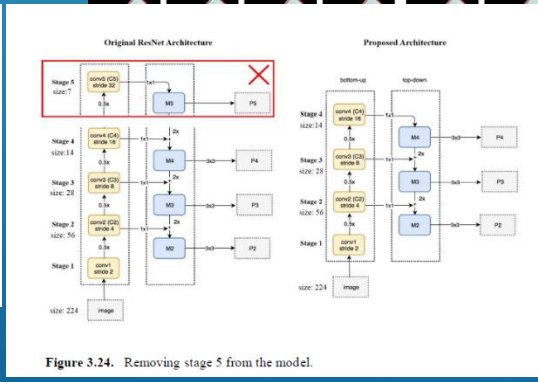
Arş. Gör. Taha Yiğit ALKAN, Doç. Dr. Havva Serap TORUN, Dr. Öğr. Üyesi Hüseyin Gökhan AKÇAY



PAP SMEAR



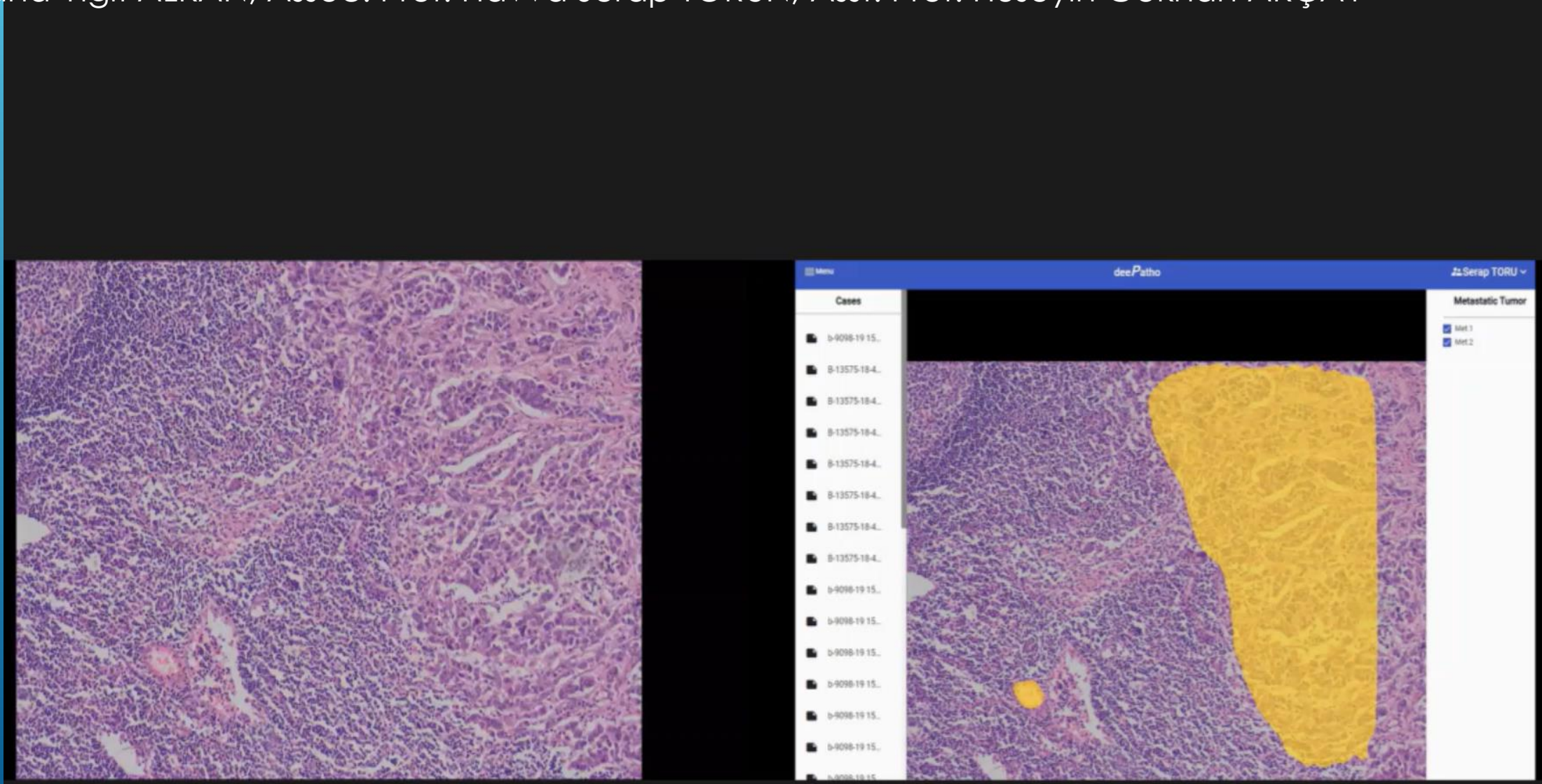
LYMPH NODE METASTASES

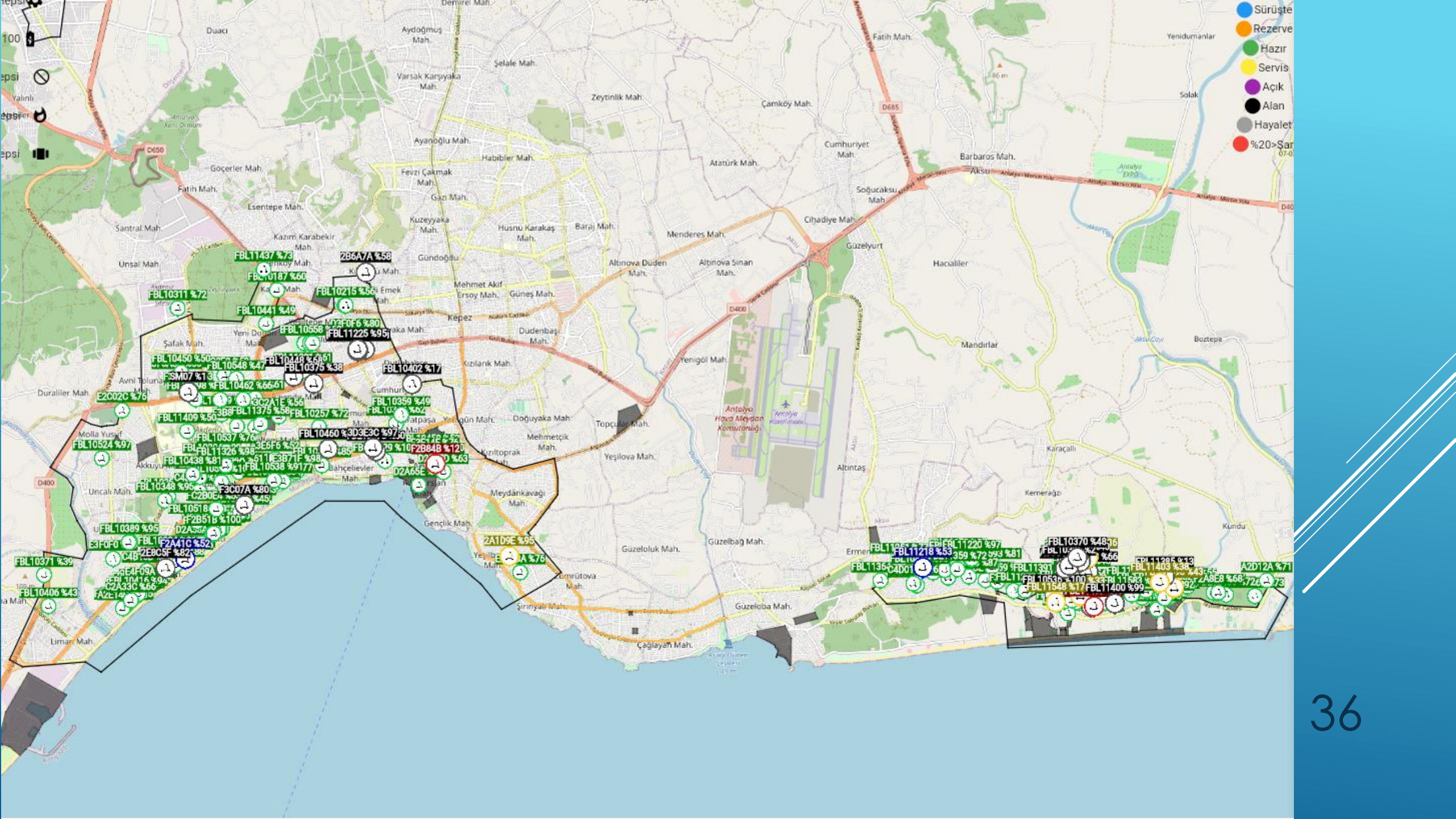


Fusion Planet: Past, Today and Future of Computer Scientific Solutions in Digital Pathology.

ICOFMEP'21

Taha Yiğit ALKAN, Assoc. Prof. Havva Serap TORUN, Asst. Prof. Hüseyin Gökhan AKÇAY





- Sürüşte
- Rezerve
- Hazır
- Servis
- Açık
- Alan
- Hayalet
- %20>Sar

QUESTIONS ?

- Email: cse@akdeniz.edu.tr, ai@akdeniz.edu.tr
- Instagram: <https://www.instagram.com/cseakdeniz/>
 - <https://www.instagram.com/akdenizaianddataeng/>
- X: <https://x.com/akdenizcse>, <https://x.com/AkdenizAIEng>
- YouTube: <https://www.youtube.com/@akdenizcse>
 - <https://www.youtube.com/@AkdenizUniversitesiAIEng>
- LinkedIn: <https://www.linkedin.com/company/akdeniz-university-computer-engineering-department/>
 - <https://www.linkedin.com/in/akdeniz-%C3%BCniversitesi-artificial-intelligence-and-data-engineering-799008316/?originalSubdomain=tr>





CONGRATULATIONS

- ▶ It is quite a bit accomplishment < 24500
- ▶ You are not here by luck. You worked hard.
- ▶ You had determination and motivation and support of your family...



CONGRATULATIONS

- ▶ As not easy to get in also not easy to get out because;
- ▶ We are not here to give you grades/diplomas but education and skills
- ▶ We are interested in you getting the best job, Doing the best in your job.
- ▶ At the end. It is up to you...You must discover what are you good at.
- ▶ All of you can do at least one thing well.

- ▶ **There is work but there is not enough skilled employees, so companies are having hard time finding employees**
- ▶ **We are having hard time recommending students to industry.**
- ▶ **A good employee is not the best coder always for us**

GRADUATING IS NOT EVERYTHING

- ▶ We hope you will use the opportunities exist @ Akdeniz to develop
- ▶ Academically
- ▶ Emotionally
- ▶ Independently
- ▶ Professionally
- ▶ By becoming part of the community...
- ▶ Active in student organizations
- ▶ Learn from mentors (2nd 3rd and 4th year)
- ▶ Artistic, Leadership skills

OPPORTUNITIES

- ▶ **Work hard from DAY – 1**
- ▶ **Contact your Advisor if any concerns and questions**
- ▶ **AIM Erasmus * Grades and English matters**
- ▶ **Take TOEFL, SAT, YDS, ALES ...**
- ▶ **Get Busy NEXT and every Summer**
- ▶ **Visit Library Frequently**
- ▶ **Finish your school in Time.**
- ▶ **Be part of projects of Faculty, Visit Teknokent for volunteer work**

SO.... SOME PRACTICAL ADVICE

- ▶ Each course is important. There is a reason why we teach Physics, Calculus
- ▶ English is critical for you both in profession and in everyday life ...
- ▶ Use of Turkish/English is what gets you a good job/promotion
- ▶ Participate in artistic activities.. Without art and aesthetics, you will be limited ...
- ▶ Be professional always and respect others
- ▶ Keep your GPA > 1.80

MORE PRACTICAL ADVICE