

Eyüp Burak CEYHAN
Assist. Prof. Dr.
Computer Engineering Department
Bartın University
E-mail: ebceyhan@bartin.edu.tr



EDUCATION:

- Post-Doc:** (2017-12 months) University of Miami Electrical and Computer Engineering Department, Miami, Florida, USA.
- PhD:** (2012-2015) Gazi University Computer Engineering (Engineering Faculty) Department, Ankara, Turkiye. **Dissertation Topic:** "An Intelligent System that Identifies Gender From Fingerprint Based on Taking Any of 10 Fingers with a New Approach", **Advisor:** Prof. Dr. Şeref SAĞIROĞLU
- MSc:** (2010-2012) Gazi University Computer Engineering (Engineering Faculty) Department, Ankara, Turkiye. **Thesis Topic:** "Intelligent System that Estimates Gender from Fingerprint", **Advisor:** Prof. Dr. Şeref SAĞIROĞLU.
- BSc:** (1999) Fatih University Computer Engineering Department, Istanbul, Turkiye (100% English Education).

ACADEMIC DEGREE:

2016-present	Assist. Prof. Dr.	Bartın University Engineering Faculty Computer Engineering Department, Bartın, Turkiye.
2010-2016	Res. Assist.	Gazi University Engineering Faculty Computer Engineering Department / Ankara

AWARDS:

1. **Money Award, III. Industry and Technology Thesis Competition, Encouragement Award (1000 TL), Gazi University** 2016
2. **Science and Arts Award, Bartın University** 2016
3. **Encouragement Award, Bartın University** 2016
4. **Academic Service Award, Bartın University** 2016
5. **Appreciation Certificate, 30. Annual Meetings for Heads of Computer Engineering Departments in Turkey, Tekirdağ** 2016
6. **Money Award, 1st degree in IEEE Yıldız Technical University Business Idea Competition (7.000 TL), Istanbul** 2015
<http://www.elektrikport.com/proje-onceki-seneler>
7. **Money Award, 1st degree in Gazi University Science Festival Project Competition (10.000 TL), Ankara** 2013
8. **Plaquet Award, Given by Gazi University Presidency Because of Patent Application, Ankara** 2014
9. **Appreciation Award, Given by Gazi University Institute of Science and Technology Because of Patent Application, Ankara** 2014

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| 10. | <i>Appreciation Award, Given by Gazi University Institute of Science and Technology Because of 1st degree in Gazi University Science Festival Project Competition, Ankara</i> | 2013 |
| 11. | <i>Patent Participation Award, 1. Innovation Turkey Patent Expo, Istanbul</i>
http://www.inovasyonturkiye.com | 2012 |
| 12. | <i>Patent Participation Award, 2. Ege R&D and Technology Days, Izmir</i> | 2012 |
| 13. | <i>Appreciation Award, Because of Being Conference Organizing Committee Member in 8th International Conference on Information Security and Cryptology, Ankara</i> | 2015 |
| 14. | <i>Money Award, Honorable Mention degree in Gazi University 2. Business Idea Competition (5.000 TL), Ankara</i>
http://gazitto.com/dh/gazi-tto-ii-is-fikri-yarismasinda-oduller-sahip/208 | 2014 |
| 15. | <i>Plaquet Award, 3. TET Project Spring Competition, Istanbul</i> | 2014 |
| 16. | <i>Appreciation Award, Because of Being Conference Program Co-Chair in 2nd International Symposium on Digital Forensics and Security, Ankara</i> | 2015 |
| 17. | <i>Patent Participation Award, ICAT Expo, Bursa</i> | 2013 |
| 18. | <i>Appreciation Award, for Giving Information and Computer Security Tutorial in Ankara Metropolitan Municipality, during 4 days, Ankara</i> | 2013 |
| 19. | <i>Appreciation Award, Because of Being Conference Organizing Committee Member in 7th International Conference on Information Security and Cryptology, Istanbul</i> | 2014 |
| 20. | <i>Appreciation Award, Because of Being Conference Organizing Committee Member in 6th International Conference on Information Security and Cryptology, Ankara</i> | 2013 |
| 21. | <i>Appreciation Award, Because of Being Conference Organizing Committee Member in 5th International Conference on Information Security and Cryptology, Ankara</i> | 2012 |
| 22. | <i>Appreciation Award, Because of Being Workshop Organizing Committee Member in, 2nd National Cyber Security Workshop, Ankara</i> | 2011 |
| 23. | <i>Appreciation Award, Because of Being Symposium Organizing Committee Member in 1st International Symposium on Computing in Science & Engineering (ISCSE), Kusadası/Aydin</i> | 2010 |
| 24. | <i>Appreciation Award, Because of Being Project Team Member in ACM (Association for Computing Machinery) Fatih University Branch, Istanbul</i> | 2007 |
| 25. | <i>Appreciation Award, Because of Being Organizing Committee Member in Fatih University 6th Information and Technology Days, Istanbul</i> | 2006 |

Patents:

- | | | |
|----|--|-----------------|
| 1. | <i>10 Parmaktan Herhangi Biri Temel Alınarak Yeni Bir Yaklaşımla Parmak İzinden Cinsiyet Tespit Eden Zeki Sistem</i>
<i>Turkish Patent (TURKPATENT)</i>
Application Number: 2016/07288 | In evaluation |
| 2. | <i>An Intelligent System for Estimating Gender from Only Fingerprints</i> | Date of Patent: |

- European Patent (EPO)** January 16, 2014
Application number: PCT/TR2013/000185
<https://patentscope.wipo.int/search/en/search.jsf>
3. **Parmak İzinden Cinsiyet Tanıyan Zeki Sistem**
Turkish Patent (TURKPATENT) Date of Patent:
Application Number: 2012/07018 April 21, 2015
<http://online.tpe.gov.tr/EPATENT/servlet/PreSearchRequestManager>
4. **System for Estimating Gender from Fingerprints**
United States Patent (USPTO) Date of Patent:
Patent Number: US 9,378,406 B2 June 28, 2016
<http://patft.uspto.gov/netahtml/PTO/search-bool.html>

JOURNAL PUBLICATIONS:

1. Ceyhan, E.B., Güllü, M., Ulucan, C. "Analysis of Blood Groups from Fingerprint Patterns of Turkish Citizens", **Journal of Engineering and Technology** Accepted
2. Ceyhan, E.B., Ceyhan, İ.F., Demiryürek, E., Bodur, R., "Akıllı Kimlik Kartlarının Bankacılıkta Kullanımı: Olası Tehditler ve Alınacak Önlemler" In Evaluation
3. Ceyhan, E.B., "Parmak İzi ile Cinsiyet Arasındaki İlişki: Bir İnceleme", **Bartın University Journal of Engineering and Technology Science** Accepted
4. Ceyhan, E.B., "A New Approach for Predicting Foot Size from Fingerprint" In Evaluation
5. Ceyhan, E.B., Sagioglu, S., "A New Intelligent System for Predicting Gender from Fingerprint" In Evaluation
6. Ceyhan, E.B.; Sagioglu, S., "Analysis of the Relationship Among 10 Fingers in Gender Prediction from Fingerprints", **Journal of Sakarya University Natural Sciences Institute** 2017
7. Ceyhan, E.B., Sagioglu, S., Cesur, R., Kermen, K., "Determination of Potential Criminals in Social Network", **Gazi University Journal of Science** 2017
8. Ceyhan, E.B., Arioz, U., Bilge, H.S., "A Feasibility Study for Repositioning of 112 Stations Based on Traffic Accident Data In Ankara", **Pamukkale University Journal of Engineering Sciences**, doi: 10.5505/pajes.2016.68552 in press
9. Ceyhan, E.B.; Demiryurek, E.; Kandemir, B., "Current Security Risks And Prevention Methods In Social Networks", **International Journal of Information Security Engineering**, 1:1, 1-10 2015
10. Ceyhan, E.B.; Sagioglu, S.; Akyil, M.E., "Gender Classification Based on ANN with Using Fingerprint Feature Vectors", **Journal of the Faculty of Engineering and Architecture of Gazi University (SCI-E)**, 29:1, 201-207 2014
11. Ceyhan, E.B.; Sagioglu, S., "Analyzing the Effect of Computer-Aided Education on the Graduates of Computer Engineering Department", **Journal of Politeknik**, 17:3, 107-113 2014
12. Ceyhan, E.B.; Sagioglu, S., "Security Issues on Wireless Sensor Networks and the Possible Precautions", **Journal of Politeknik**, 16:4, 155-163 2013

CONFERENCE PUBLICATIONS:

1. Ceyhan, İ.F., Ceyhan, E.B., "Possible Threats and Actions to be Taken for the Use of Smart ID Cards in Financial Transactions", **4th International Congress on Accounting and Finance Research**, 71, Erzurum/Turkey 2017
2. Ceyhan, E.B., Oner, K., "Predicting Numerical and Verbal Intelligence from Finger 2D:4D Ratio", **International Conference On Advanced Technology & Sciences (ICAT)**, 57-62, Rome/Italy 2016
3. Gullu, M., Ceyhan, E.B., Ulucan, C., "A New Approach: Predicting Height of A Person from Joint Ratio of Fingers", **5. International Conference on Network, Communication and Computing (ICNCC)**, Kyoto/JAPAN 2016
4. Ceyhan, E.B.; Sagioglu, S., "Gender Inference within Turkish Population by Using Only Fingerprint Feature Vectors", **IEEE Symposium on Computational Intelligence in Biometrics and Identity Management (CIBIM)**, 146-150, Orlando/USA 2014
5. Ceyhan, E.B.; Sagioglu, S.; Oner, K.; Cesur, R., "Automatic Gender Classification System from Finger 2D: 4D Ratio and Comparison of Successes with Using Different Algorithm", **13th International Conference on Machine Learning and Applications (ICMLA)**, 600-605, Detroit/USA 2014
6. Ceyhan, E.B.; Sagioglu, S.; Tatoglu, S.; Atagun, E., "Age Estimation from Fingerprints: Examination of the Population in Turkey", **13th International Conference on Machine Learning and Applications (ICMLA)**, 478-481, Detroit/USA 2014
7. Ceyhan, E.B.; Sagioglu, S.; Akyil, M.E., "Statistical Gender Analysis Based on Fingerprint Ridge Density", **IEEE International Signal Processing and Communications Applications Conference (SIU)**, 1-4, Lefkosa/North Cyprus 2013
8. Oguz, S.; Ceyhan, E.B.; Sagioglu, S., "Using Technology for Espionage and the Counter-Measures", **8th International Conference on Information Security and Cryptology**, Ankara/Turkey 2015
9. Inag, Y.; Ceyhan, E.B.; Sagioglu, S., "Enterprise Challenges and Solutions for Cloud Computing", **8th International Conference on Information Security and Cryptology**, Ankara/Turkey 2015
10. Erol, E.; Ceyhan, E.B.; Sagioglu, S., "A Survey on Personal, Enterprise, and the National Information Security Awareness", **8th International Conference on Information Security and Cryptology**, Ankara/Turkey 2015
11. Maras, R.; Ceyhan, E.B.; Sagioglu, S., "Forensics and Counter-Forensics Techniques for E-mails", **8th International Conference on Information Security and Cryptology**, Ankara/Turkey 2015
12. Ceyhan, E.B.; Sagioglu, S., "Gender Estimation from Fingerprints: Test with a New Database", **8th International Conference on Information Security and Cryptology**, Ankara/Turkey 2015
13. Turhan, C.G.; Ceyhan, E.B.; Sagioglu, S., "A Survey on Security of Biometric Systems", **8th International Conference on Information Security and Cryptology**, Ankara/Turkey 2015
14. Yıldız, A.; Ceyhan, E.B.; Sagioglu, S., "Enterprise E-Mail Classification and Rating System", **8th International Conference on Information Security and Cryptology**, Ankara/Turkey 2015

15. Ulus, C. T.; Ceyhan, E.B.; Sagioglu, S., "Information Harvesting Techniques and Personal Information Harvesting", **8th International Conference on Information Security and Cryptology**, Ankara/Turkey 2015

PROJECTS:

1. **Project Manager**, Intrusion Techniques to Biometric System and Precautions for these intrusions with False Biometric Detection, **Supported by TÜBİTAK** 2017-2018
2. **Researcher**, Optimization of Traffic Signalization Systems in Bartın, **Supported by Bartın University Scientific Research Projects** 2016-ongoing
3. **Project Manager**, Analysis of Relationship between fingerprint and foot size, **Supported by Bartın University Scientific Research Projects** 2016-2017
4. **Researcher**, Analysis of Relationship Between Biometric Data, **Supported by Scientific Research Projects Office of Gazi University** 2013-2016
5. **Researcher**, Feasibility Study of Traffic Accidents in Ankara for Repositioning 112 Stations, **Supported by Development Agency of Ankara** completed in 2014
6. **Project Member**, Guvenlikicinbirdakika Project (Social Responsibility Project for Awareness about Information and Computer Security for all People) 2015-ongoing

ADMINISTRATIVE DUTIES:

1. **Department Chair**, Bartın University- Computer Engineering Department 2016-ongoing
2. **Head of Division**, Bartın University- Division of Computer Hardware 2018-ongoing
3. **Head of Division**, Bartın University- Division of Computer Software 2016-2018
4. **Faculty Board Member**, Engineering Faculty of Bartın University 2016-ongoing
5. **Advisory Board Member**, Central Research Center of Bartın University 2016-ongoing
6. **Provincial Representative**, Ministry of Science, Industry and Technology - Representative of Public Corporation, University and Industry Cooperation in Bartın 2016-2017
7. **Board Member**, Governorship of Bartın – Planning and Development Board of Public Corporation, University and Industry Cooperation 2016-2017
8. **Group Member**, Ministry of Science, Industry and Technology – Working Group of Public Corporation, University and Industry Cooperation 2016-2017
9. **Board Member**, Coordinatorship of Disabled Students Unit 2016-ongoing
10. **Board Member**, Academic Encouragement Pre-evaluation Committee of Bartın University 2016-ongoing
11. **Researcher**, Gazi Big Data and Information Security Center (<http://bigdatacenter.gazi.edu.tr>) 2014-ongoing
12. **Researcher**, Gazi University Technology and Innovation Center (www.gutic.org) 2011-ongoing

13. **Technical Person in Charge**, Gazi University Engineering Faculty Journal (SCI-E) 2013-2014
14. **MÜDEK Committee Member**, Gazi University Computer Engineering Department 2013-2015

GIVEN TRAININGS:

1. **Face Recognition and Electronic Security Systems Training**, 3 days/20 days total, General Command of Gendarmerie 2015
2. **Mobile Security - Current Threats and Precautions Training**, 7th International Conference on Information Security and Cryptology 2014
3. **Enterprise Information Security and Computer Security Training**, 4 days, Ankara Metropolitan Municipality 2013
4. **Mobile Security Training**, 6th International Conference on Information Security and Cryptology 2013

INVITED SPEAKER:

1. **6th International Workshop on Cyber Security and Certificate Program (Istanbul)**, Biometric System Security 2016
2. **Bartın Mehmet Akif Ersoy High School**, Conscious use of the internet 2016

Participated / Contributed Organisations, Symposiums, Conferences etc:

1. **Member in Conference Technical Committee, The 2nd International Conference on Compute and Data Analysis**, Illinois, USA 2018
2. **Member in Conference Technical Committee, International Conference on Information and Computer Technologies**, Illinois, USA 2018
3. **Member in Conference Technical Program Committee, VII. International Conference on Network, Communication and Computing**, Taipei, Taiwan 2018
4. **Member in Conference Advisory Board, 3rd International Conference on Computer Science and Engineering UBMK'18**, Bosnia 2018
5. **Member in Conference Scientific Program Committee, 3rd International Conference on Computer Science and Engineering UBMK'18**, Bosnia 2018
6. **Member in Conference Technical Program Committee, VI. International Conference on Network, Communication and Computing**, Kunming, China 2017
7. **Member in Conference Technical Committee, International Conference on Compute and Data Analysis**, Florida, USA 2017
8. **Member in Conference Advisory Board, 2nd International Conference on Computer Science and Engineering UBMK'17**, Antalya 2017
9. **Member in Conference Scientific Program Committee, 2nd International Conference on Computer Science and Engineering UBMK'17**, Antalya 2017

10. *Member in Special Session Program Committee, **16th IEEE International Conference On Machine Learning And Applications**, Cancun, Mexico* 2017
11. *Member in Conference Scientific Committee, **10th International Conference on Information Security and Cryptology**, Ankara* 2017
12. *Member in Conference Organizing Committee, **International Conference On Network and Cyber Security**, Florida, USA* 2017
13. *Member in Working Group, **7th Coordination Meeting of Public Corporation, University and Industry Cooperation (KÜSİ) Working Group**, Balıkesir* 2016
14. *Member in Workshop Organizing Committee, **Big Data Analytics and Security Public Workshop**, Ankara* 2016
15. *Member in Conference Scientific Program Committee, **IEEE 24. Signal Processing and Communications Applications Conference (SIU)**, Zonguldak* 2016
16. *Member in Conference Advisory Board Committee, **International Conference on Computer Science and Engineering (UBMK 2016)**, Tekirdağ* 2016
17. *Member in Conference Scientific Program Committee, **International Conference on Computer Science and Engineering (UBMK 2016)**, Tekirdağ* 2016
18. *Participant, **30. Annual Meetings for Heads of Computer Engineering Departments in Turkey**, Tekirdağ* 2016
19. *Member in Conference Scientific Committee, **9th International Conference on Information Security and Cryptology**, Ankara* 2016
20. *Member in Workshop Organizing Committee, **Big Data and Information Security Workshop**, Ankara* 2016
21. *Session Chair, **International Conference on Computer Science and Engineering (UBMK 2016)**, Tekirdağ* 2016
22. *Program Co-Chair, **3rd International Symposium on Digital Forensics and Security (ISDFS)**, Ankara* 2015
23. *Participation with Patent, **University Industry Collaboration Centers Platform (USIMP) Patent Fair**, Istanbul Harbiye Military Museum* 2015
24. *Participant, **Oracle Big Data and Analytics Summit**, JW Marriott Hotel Ankara* 2015
25. *Participant, **IDC IT Security Roadshow 2015**, Sheraton Hotel & Convention Center, Ankara* 2015
26. *Member in Conference Organizing Committee, **8th International Conference on Information Security and Cryptology**, Ankara.* 2015
27. *Member in Conference Organizing Committee, **7th International Conference on Information Security and Cryptology**, Istanbul* 2014
28. *Project Participation, **3rd TET Project Spring Competition**, Istanbul.* 2014
29. *Member in Conference Organizing Committee, **6th International Conference on Information Security and Cryptology**, Ankara* 2013

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| 30. | <i>Patent Participation, ICAT Expo, Bursa.</i> | 2013 |
| 31. | <i>Patent Participation, 2nd Ege R&D and Technology Days, Izmir.</i> | 2012 |
| 32. | <i>Patent Participation, 1st Innovation Turkey Expo, Istanbul Expo Center.</i> | 2012 |
| 33. | <i>Member in Conference Organizing Committee, 5th International Conference on Information Security and Cryptology, Ankara.</i> | 2012 |
| 34. | <i>Participant, 2nd National IPv6 Conference, Ankara.</i> | 2012 |
| 35. | <i>Member in Workshop Organizing Committee, 2nd National Cyber Security Workshop, Ankara.</i> | 2011 |
| 36. | <i>Participant, National IPV6 Conference, Ankara Rixos Grand.</i> | 2011 |
| 37. | <i>Member in Symposium Organizing Committee, The 1st International Symposium on Computing in Science & Engineering (ISCSE), Kusadasi/Aydin</i> | 2010 |
| 38. | <i>Poster Session Chairman, The 1st International Symposium on Computing in Science & Engineering (ISCSE), Kusadasi/Aydin</i> | 2010 |
| 39. | <i>Member in Proceeding Book Publication Committee, The 1st International Symposium on Computing in Science & Engineering (ISCSE), ISBN: 978-605-61394-1-3</i> | 2010 |
| 40. | <i>Member in Organizing Committee, 6th Information and Technology Days, Fatih University, Istanbul</i> | 2006 |

CERTIFICATES:

- | | | |
|----|---|------|
| 1. | KOSGEB Applied Entrepreneurship Certificate | 2015 |
| 2. | Occupational Safety Certificate | 2016 |

EDITORIAL BOARD MEMBERSHIP:

- | | | |
|----|---|--------------|
| 1. | Journal of TBV Computer Science and Engineering | 2016-2018 |
| 2. | Journal of International Information Security Engineering | 2015-2016 |
| 3. | Journal of Bartın University IIBF Faculty. | 2016-ongoing |
| 4. | Journal of Management Economics Literature Islamic and Political Sciences | 2016-ongoing |

REFEREE (AT LEAST 1 PAPER):

- | | | |
|----|--|--------------|
| 1. | International Conference on Data Science and Applications (ICONDATA) | 2018 |
| 2. | IET Biometrics (SCI-E) | 2018-ongoing |
| 3. | Journal of Polytechnic – 2 papers | 2018 |

4. Gazi University Journal of Science – 2 papers 2017-ongoing
5. Afyon Kocatepe University Journal of Science and Engineering 2017-ongoing
6. Journal of Signal, Image and Video Processing (SCI-E) 2017-ongoing
7. TÜBAV Journal of Science 2017-ongoing
8. Ömer Halisdemir University Journal of Engineering Science 2017-ongoing
9. Turkish Journal of Electrical Engineering & Computer Sciences (SCI indexed) - 5 papers 2016-ongoing
10. International Journal of Informatics Technologies 2016-ongoing
11. International Journal of Information Security Science (IJISS) – 2 papers 2016-ongoing
12. Trakya University Journal of Engineering Sciences (TUJES) - 3 papers 2016-ongoing
13. Journal of International Information Security Engineering - 3 papers 2015-ongoing
14. Bartın University Journal of IIBF Faculty – 3 papers 2016-ongoing
15. IEEE 24. Signal Processing and Communications Applications Conference (SIU), 4 papers 2016
16. 5th, 6th, 7th, 8th, 9th, 10th International Conference on Information Security and Cryptology (ISCTurkey), ~65 papers 2012-ongoing
17. 3rd International Symposium on Digital Forensics and Security (ISDFS), ~10 papers 2015

PROJECT EVALUATION BOARD MEMBER:

1. **KOSGEB, R&D, Innovation And Industrial Application Support Program**, 5 projects 2016
2. **Ministry of Science, Industry and Technology, R&D Center Support Program**, Evaluation of an R&D Center Application 2016

ASSOCIATION MEMBERSHIP:

1. Public Corporation, University and Industry Cooperation (KÜSİ) Working Group 2016-2017
2. The Science and Engineering Institute (SCIEI) 2016-ongoing
3. Information Security Association 2011-2016

OTHERS:

1. *Live Demo*, “Intelligent System that Estimates Gender from Fingerprint”, **EGM Head of Criminal Department**, Ankara 2014
2. *Live Demo*, “Intelligent System that Estimates Gender from Fingerprint”, **Ministry of Science, Industry and Technology**, Ankara 2014

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| 3. | <i>News, "Intelligent System that Estimates Gender from Fingerprint", National Agency, http://www.aa.com.tr/tr/bilim-teknoloji/90796--parmakizinden-cinsiyet-teshisi</i> | 2012 |
| 4. | <i>Leonardo da Vinci Program, ERP Software Internship, Salamanca / Spain</i> | August-September 2012 |
| 5. | Referee in Digital Forensics court cases | 2012-ongoing |
| 6. | <i>Taken 1 month Entrepreneurship Training, 2nd Business Idea Competition, Ankara</i> | 2014 |
| 7. | <i>Taken Mobile Forensic and Big Data Trainings, in 2nd International Symposium on Digital Forensics and Security (ISDFS), Ankara</i> | 2015 |

GIVEN COURSES:

2016-2017 Fall Semester

- Computer Programming
- Basic Information Technologies

2015-2016 Spring Semester

- Web Based Applications I
- Web Based Applications II

ASSISTED COURSES:

2015-2016 Fall Semester

1. • BM358 Graph Theory
2. • BM477 Microcontrollers
3. • BM463 Geographical Information Systems

2014-2015 Spring Semester

1. • 5121329 Enterprise Information Security.
2. • 5091329 Software Defined Networks

2014-2015 Fall Semester

1. • BM209 Digital Design LAB

2013-2014 Spring Semester

1. • 5231329/5181305 Wireless Network Security.
2. • 5241329/5201305 Machine Learning.

2013-2014 Fall Semester

1. • BM471E Image Processing.
2. • BM365E Signals & Systems.
3. • 5231329 Wireless Network Security.

2012-2013 Spring Semester

1. • BM 102 Computer Programming II LAB
2. • 5141331 Data Mining.
3. • 5131305 Image Processing.

2012-2013 Fall Semester

1. • BM 311 Computer Architecture.
2. • BM 489 Data Mining.
3. • 5191329 Pattern Recognition

2011-2012 Spring Semester

1. • BM104 Discrete Mathematics.
2. • 5201329 Data Mining.
3. • BM476 Machine Learning.

2011-2012 Fall Semester

1. • BM360 Programming with Java
2. • BM307 File Organization

2010-2011 Spring Semester

1. • BM312 Formal Languages&Automata
2. • BM102 Computer Programming II LAB