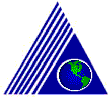
“



**YEDITEPE UNIVERSITY**

**FACULTY OF COMPUTER AND INFORMATION SCIENCES**

**SUMMER PRACTICE & INTERNSHIP REPORT**

**(STAJ DEFTERİ)**

**EXCELLENCE IN EDUCATION IS OUR PRIME MOTIVE**

**SUMMER PRACTICE & INTERNSHIP REPORT**

**(STAJ DEFTERİ)**

|  |  |
| --- | --- |
| **LAST NAME OF THE STUDENT**  **(ÖĞRENCİNİN SOYADI):** | Tıraş |
| **NAME OF THE STUDENT**  **(ÖĞRENCİNİN ADI):** | Ebru |
| **DEPARTMENT (BÖLÜMÜ):** | Software Development |
| **BEGINNING DATE**  **(STAJIN BAŞLANGIÇ TARİHİ):** | 04.08.2025 |
| **ENDING DATE**  **(STAJIN BİTİŞ TARİHİ):** | 12.09.2025 |
| **SIGNATURE OF THE STUDENT**  **(ÖĞRENCİNİN İMZASI):** |  |
| **NAME & ADDRESS OF THE INSTITUTION**  **(İŞYERİNİN UNVANI VE ADRESİ):** | Finanskent Mahallesi Finans Caddesi No:40/1 Ümraniye/İstanbul |
| **SIGNATURE & STAMP OF THE INSTITUTION**  **(İŞYERİNİN İMZASI VE MÜHÜRÜ):** |  |

### STAJ İLE İLGİLİ ÖĞRENCİLERİN İZLEMELERİ GEREKEN KURALLAR

|  |  |  |
| --- | --- | --- |
| **AŞAMA** | **\*** | **NE YAPILMALI?** |
| **XXX** |  | *STAJ DÖNEMİNE GELMİŞ OLAN ÖĞRENCİLERİN DİKKATİNE:*  Ders kayıtları sırasında, diğer dersler ile birlikte “Staj” dersinin de alınması ve kaydının yaptırılması gerekmektedir.  Staj, bölüm programlarında öngörülen zamanda (dönem) ve bölüm tarafından onaylanan iş yerinde yapılır.  Staj dersine kayıt yaptıran öğrenciler bu “Staj” ve “Staj Oryantasyon” derslerine ilişkin olarak tasarlanan faaliyetlerden sorumludurlar.  Staj Oryantasyon dersine katılmayan öğrenciler staja başlayamaz.  *STAJA GİTMENİZ UYGUN BULUNMUŞ İSE*, Aşağıdaki Aşamaları Takip Edin |
| **01** |  | Staj defteri ve diğer ilgili dökümanları MS Word formatında kendi bilgisayarınıza indirin. |
| **02** |  | Lütfen Defter’deki Bilgileri ve Yapılması Gereken Hususları çok dikkatlice inceleyin. Nerede staj yapmanız gerektiği hususunu etraflıca araştırın. |
| **03** |  | Lütfen Danışmanınıza Gidiniz, ve yukarıdaki konuları kendisine danışınız. |
| **04** |  | *DANIŞMANINIZIN HAZIRLAYACAĞI AŞAĞIDAKİ BELGELERİ ALIN.*  (1) Staj Yapacağınız İşyeri İçin Bölüm Başkanı Tarafından İmzalı Yazı,  (2) İşyeri Değerlendirme Formu (Zarf İçinde),  (3) Öğrenci Değerlendirme Formu (Zarf İçinde). Bu Zarf İşyerine Verilmeyecektir. |
| **05** |  | 4. Madde’de Belirtilen 1 ve 2 Nolu Belgeler İle İşyerine Müracaat Edilecektir. Bu Belgeleri İşyerine Teslim Edin. |
| **06** |  | Stajınızın İlk Günü. |
| **07** |  | Günlük Raporlarınızı düzenli biçimde imzalatın. Buna paralel olarak Staja İlişkin *GENEL RAPORU* da Staj Defterinizdeki sayfaları kullanmaksızın ayrı taslak olarak yazmaya devam edin. Staj devam ettiği müddetçe lütfen gelişmelerden danışmanınızı haberdar edin. Staj dersinizin harf notunun belirlenmesinde danışmanınızın önemli bir ağırlığı vardır. |
| **08** |  | Staj’a başlamadan önce veya stajınız devam ederken, lütfen staj dersinizin gerektirdiği dönem-içi faaliyetlerini aksatmayın. |
| **09** |  | *STAJINIZIN SON GÜNÜ.* |

|  |  |  |
| --- | --- | --- |
| **10** |  | *DAHA SONRA,*   1. Lütfen, Günlük Raporlarınızı Kontrol Ediniz, ve Eksiklerinizi Tamamlayınız. 2. Taslak Olarak Hazırladığınız *GENEL RAPORU* Gözden Geçirin. Bu Raporun Son Şeklinin En İyi Düzey’e Çıkması İçin İşyerinizin Yardımını Talep Edin. Ortaya Çıkan Son Şeklini Staj Defterinizdeki İlgili Sayfalara Aktarın. 3. Staj Defterinizi Tamamlayın. (Staj Defterinizin Her Sayfasının İstenilen Şekilde İmzalı ve Mühürlü Olması Esastır). |
| **11** |  | ORİJİNAL İMZA VE MÜHÜRLERİN BULUNDUĞU STAJ DEFTERİNİZDEN (2) KOPYA FOTOKOPİ ÇEKTİRİN. DAHA SONRA AŞAĞIDAKİ AŞAMALARI TAKİP EDİN:   1. Fotokopisi Çekilmiş ve Uygun Bir Şekilde Ciltlettirilmiş kopyalardan Birini İşyerine Teslim Edin, 2. İşyerinizin “İşyeri Değerlendirme Formunu” hazırlamasını bekleyin. (Staj Defterinizin bir kopyasını işyerine vermeden bu form hazırlanmayacaktır). Zarfın kapalı, imzalı ve mühürlü olmasına dikkat edin. 3. İşyerinizle ilgili işlemleri tamamlayın. |
| **12** |  | “ÖĞRENCİ DEĞERLENDİRME FORMU” Olarak Size Verilen (Şahsınıza Ait Yorumlar İçin) Formu Okul Tarafından İstenilen Şekilde Doldurun. Lütfen Zarfı Kapatın ve Arka Dış Cephesini İmzalayın. Yorumlarınızı İşyerine Göstermeyin. |
| **13** |  | Stajınızla İlgili İşlemler Tamamlanmıştır. |
| **14** |  | “İşyeri Değerlendirme Raporu”, “Öğrenci Değerlendirme Raporu”, “Orijinal Staj Defteri”, ve “Orijinal Staj Defterinin Bir Fotokopisini” DANIŞMANINIZA Teslim Edin. “İşyeri Değerlendirme Raporu” Arka Dış Cephesi İmzalı ve Mühürlü Olan Kapalı Bir Zarf İçinde Olmak Zorundadır. Öğrenci Değerlendirme Formu da Arka Dış Cephesi İmzalı olan Kapalı Bir Zarf İçinde Teslim Edilmelidir. Orijinal Staj Defteri ise, Orijinal İmza ve Mühürü İçermelidir. Okul Tarafından Yapılacak Değerlendirmeleri Bekleyin. |

### INSTRUCTIONS FOR STUDENTS REGARDING SUMMER PRACTICE / INTERNSHIP

|  |  |  |
| --- | --- | --- |
| **STEP** | **\*** | **WHAT TO DO ?** |
| **XXX** |  | *NOTES FOR STUDENTS WHO SHOULD COMPLETE THEIR SUMMER PRACTICE / INTERNSHIP:*  Please register for the “Internship” course while you register for other required courses.  All students who take the Orientation Courses must comply with the requirements ımposed upon by the relevant Departments as well as the Instructors or Coordinators of these courses.  THEN, please ask your Advisor whether you would be allowed to proceed for your Summer Practice / Internship. The Management of the Faculty of Computer and Information Sciences has a Summer Practice/Internship Policy, which should be definitely followed by every student of the school. Please do not proceed until ıt ıs fully clear that you are allowed to do so.  *IF YOU ARE ALLOWED TO PROCEED, THEN PLEASE COMPLETE THE FOLLOWING STEPS*: |
| **01** |  | Please download your Summer Practice / Internship Booklet. |
| **02** |  | Please read the contents carefully, and examine the major requirements. Please finalize the selection of work place for your summer practice/internship. |
| **03** |  | Please go to your Advisor, and discuss the aforementioned matters. |
| **04** |  | *YOUR ADVISOR WILL PREPARE THE FOLLOWING DOCUMENTS FOR YOU. PLEASE GET THESE DOCUMENTS PRIOR TO THE START OF YOUR INTERNSHIP.*   1. An official letter signed by the Head of the Department for the Work Place of your Internship. 2. An official copy of institutional evaluation form (in an envelope). 3. An official copy of the student evaluation form (in an envelope). Do not give this form to the work place. Keep it with you until the end of summer Practice/Internship. |
| **05** |  | Please go to the work place and hand over your documents no. 1 & 2 of step 4 above. |
| **06** |  | Please begin your summer practice / internship. |
| **07** |  | Your daily reports must be signed (as instructed in your booklet) by the responsible authority of your work place without any delays. In the mean time (without writing anything on your booklet) please keep on writing drafts of your general report. You should also keep your advisor informed periodically about the developments regarding your work. Please do not forget that your advisor will have a significant weight in your overall grade for this course. |

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| **08** |  | Before beginning your summer practice/internship, or during the period of your summer practice/internship, please obey the requirements prescribed for internship courses (during the semester or during the summer) without any interruptions. |
| **09** |  | *LAST DAY OF YOUR SUMMER PRACTICE/INTERNSHIP:* |
| **10** |  | 1. Please check your daily reports and complete any missing items. If necessary, please make your revisions. 2. Please review your “General Report” drafts. In order to improve the quality of your “General Report”, please seek help from the work place. Now you are ready to write your General Report on your booklet. 3. Please complete your summer practice/internship booklet as required by the Faculty.   Please be informed that each page of your summer practice/internship report booklet (i) Must be signed & stamped by the responsible authority, (b) Must conform to the rules pre-determined by the School. OTHERWISE it will not be accepted by your advisor. |
| **11** |  | When you’ll have the original copy ready in all details:  Please get 2 photocopies of this original report.  Hand over one binded photocopy to the work place.  Please wait for your work place to prepare the “Institutional Evaluation Form” for you. Your work place can not prepare this evaluation report, if you do not submit a copy of your summer practice/internship report. This report must be in the envelope (as given to you), which should be closed, signed by the responsible person, and stamped.  Please complete all required formalities regarding your work place. |
| **12** |  | In order to convey your views about the work place, we have designed a “Student Evaluation Form”. This form will be given to you at the beginning. Please fill this form (without conveying any information regarding the contents of this report to the work place). Please close the envelope, and sign it on the backside. |
| **13** |  | Please complete all necessay formalities regarding your summer practice/internship report. |
| **14** |  | Please go to your advisor with:   1. Institutional Evaluation Report, 2. Student’s evaluation report, 3. Original summer practice/internship report, 4. A photocopy of the Original summer practice/internship report.   Item (a) MUST be in a closed envelope (duly signed & stamped). Item (b) must also be in a closed & signed envelope.  NOW please wait for your final grade. |

### INFORMATION ABOUT THE CONTENTS OF THE SUMMER PRACTICE/INTERNSHIP REPORT

|  |  |  |
| --- | --- | --- |
| **No.** | **TOPIC OF THE REPORT** | **EXPLANATION** |
| 01 | REPORT SUBMISSION | This page specifies, how and in what ways a student should submit his/her report. |
| 02 | ACKNOWLEDGEMENTS | A student can write acknowledgements to any person, work place, Vocational School, etc. (Two Pages). |
| 03 | CONTENTS | Student should write the contents of the report in a systematic fashion. |
| 04 | INTRODUCTION | Student should introduce the essence of overall summer practice/internship indicating systematically how individual chapters of the report were handled by the student. (Two Pages) |
| 05 | DAILY/WEEKLY REPORT | There are 100 pages for you to write your daily progress. Please use as many pages as required. Please write page numbers in serial order in the empty space provided for this purpose. Your daily report may be written in Turkish or English depending upon the nature of your work place. |
| 06 | GENERAL REPORT | There are 25 pages for you to write an overall summer practice/internship report. Normally a general report comprising of 20 pages would be accepted. |
| 07 | REFERENCES | Student should write any references, e.g., names of the books, journal articles, lecture notes, or any other relevant material which has been used to write the general report. (Two Pages). |
| 08 | APPENDIX | Students can add any other material, e.g., graphs, statistical outputs, maps, pictures, etc. If you have an appendix to add, please take out the spiral of your booklet, properly add these pages, and get your booklet re-adjusted. |

### GRADING CHART

|  |  |  |  |
| --- | --- | --- | --- |
| **EVALUATION OF THE SUMMER PRACTICE/INTERNSHIP REPORT (100 Points)** | | | |
|  | **(i) Work Place Evaluation** | **/ 20 Points** |  |
|  | **(ii) Quality of the Daily Reports** | **/ 30 Points** |  |
|  | **(iii) Quality of the General Report** | **/ 30 Points** |  |
|  | **(iv) Report Presentation** | **/ 20 Points** |  |
|  | **TOTAL** | **= / 100 Points** |  |
|  | **OVERALL LETTER GRADE:** | |  |

### ÇALIŞILAN DEPARTMANLARLA İLGİLİ BİLGİLER / INFORMATION ABOUT THE DEPARTMENTS IN WHICH THE STUDENT HAS WORKED

|  |  |  |  |
| --- | --- | --- | --- |
| **BERABER ÇALIŞILAN YETKİLİ KİŞİ (KİŞİLERİN) SOYADI, ADI**  **(LAST NAME, NAME (s) OF THE RESPONSIBLE PERSON(s)).** | **DEPARTMAN**  **(DEPARTMENT)** | **ÇALIŞILAN DÖNEM (INTERNSHIP PERIOD)** | **ÇALIŞILAN TOPLAM GÜN SAYISI (TOTAL NUMBER OF WORK DAYS)** |
| Topal, Koray | Pazarlama Yönetimi Uygulama Geliştirme Müdürlüğü | 1 | 30 |

### KISIM 1: ÖNSÖZ (PART 1: ACKNOWLEDGEMENTS)

During the summer of 2025, I completed my mandatory internship at Türkiye Vakıflar Bankası T.A.O., one of Turkey's well-established banks. Throughout this period, I had the opportunity to gain practical experience in software development processes used in the banking sector.

I worked specifically on the Effort Tracking Application project, gaining valuable experience in effort management, project tracking, and reporting for requests from business units. I had the chance to work with technologies such as ASP.NET Core MVC, Entity Framework, and C# development.

During my internship, I not only developed my technical skills but also had the opportunity to closely observe business processes in the banking sector. This experience will form a solid foundation for my future career.

I would like to express my gratitude to the Vakıflar Bankası IT team and the mentors who guided my internship process for their support.

### KISIM 2: İÇİNDEKİLER (PART 2: CONTENTS)

|  |  |  |
| --- | --- | --- |
| **KISIM** | **KONU BAŞLIĞI (NAME OF THE TOPIC COVERED)** | **SAYFA / PAGE NO** |
| Week 1 | Orientation and System Introduction | 1 |
| Week 2 | Project Requirements Analysis and Database Design | 2 |
| Week 3 | Backend API Development and JSON Repository Implementation | 3 |
| Week 4 | Frontend Interface Development and Dashboard Design | 4 |
| Week 5 | Feature Enhancement and File Management | 5 |
| Week 6 | Testing Processes and Documentation | 6 |

### KISIM 3: GİRİŞ (PART 3: INTRODUCTION)

Internships are an integral part of university education, allowing students to apply their theoretical knowledge in real-world professional settings. As part of this requirement, I completed my internship at Vakıflar Bankası Information Technology Department during the summer of 2025.

The primary goal of this internship was to learn current technologies used in the banking sector, participate in software development projects, and enhance my problem-solving skills. By working specifically on the Effort Tracking Application project, I gained enterprise-level software development experience.

I believe that the experiences gained during this period will make significant contributions to my professional development and future career plans.

### KISIM 4: GÜNLÜK/HAFTALIK RAPOR (PART 4: DAILY/WEEKLY REPORT)

**Week 1 (04.08.2025 – 08.08.2025):**

My first week at Vakıflar Bankası began with comprehensive team introductions and organizational orientation. I had the opportunity to observe and learn about different roles within the IT department, understanding the responsibilities of analysts, software developers, and QA specialists. This helped me grasp the collaborative nature of software development in a banking environment.

I received detailed information about the company structure, departmental hierarchies, and the software development lifecycle used at the bank. The week concluded with my project assignment from the technical manager: the Effort Tracking Application.

**Project Overview:** The Effort Tracking Application is designed to record and manage effort hours from business unit requests. The system aims to separately track hours for analysts, developers, and QA/preprod processes, automatically calculate total effort, monitor task status and delivery dates, and visualize difficulty levels with color coding. Additionally, the system includes audit logging for tracking changes and file attachment capabilities for related requests.

**Week 2 (11.08.2025 – 15.08.2025):**

During my second week, I researched the technologies and frameworks I would use for my project. Together with the team, we decided on MVC architecture with C# as the primary development stack, as these technologies are widely used within the bank's existing infrastructure.

Since I had limited experience with C#, I dedicated significant time to watching C# training videos and studying fundamental concepts. I focused on understanding object-oriented programming principles, LINQ operations, and ASP.NET Core framework basics. Simultaneously, I began participating in daily standup meetings with the team to understand their workflow and project management practices.

This week was crucial for building my foundational knowledge and understanding the development standards expected in a corporate banking environment.

**Week 3 (18.08.2025 – 22.08.2025):**

In my third week, I created a comprehensive analysis report for my project, defining the detailed roadmap and approach I would follow. I designed a sample UI to serve as a guide for the user interface development, focusing on user experience and banking application standards.

From mid-week onwards, I began setting up my project structure and started developing the backend components. I created the basic project architecture following MVC patterns and implemented initial models for the Effort Tracking system, including:

* Request entity with fields for Talep ID, Talep Adı, Statü, Öncelik, and effort hours
* T-shirt sizing logic (Fast Track: 0-5 days, XS: 6-10 days, S: 11-25 days, M: 26-50 days, L: 51-100 days, XL: >100 days)
* User management with different permission levels (Admin, Contributor, Viewer)

I started with simple pages to establish the basic functionality and ensure proper database connectivity using Entity Framework.

**Week 4 (25.08.2025 – 29.08.2025):**

During my fourth week, I encountered some technical challenges that required collaborative problem-solving. After consultation with the team's senior developer, we made the joint decision to restructure the project architecture to better align with the bank's coding standards and best practices.

This restructuring process involved resolving numerous compilation errors and refactoring code to meet enterprise-level requirements. I spent considerable time debugging and cleaning up the codebase to ensure stability and maintainability.

Following the restructuring, I continued working on the UI components, focusing on creating responsive and user-friendly interfaces that match the bank's design guidelines.

In the last two days of the week, I participated in the **Presidency National Internship Program - VakıfBank Orientation Training**. This comprehensive training program covered the following topics:

* **Success Workshop in Professional Life:** Impact, Communication and Persuasion techniques (09:30-16:30)
* **Corporate Development Directorate Presentation** (09:30-10:15)
* **Corporate Communications Department Presentation** (10:30-11:15)
* **Recruitment and HR Operations Directorate Presentation** (11:30-12:15)
* **Sustainability at VakıfBank** (13:30-14:15)
* **R&D and Innovation Directorate Presentation** (14:30-15:15)
* **Digital Banking and Distribution Channels Department Presentation** (15:30-16:15)
* **Information Security Awareness and GDPR** (16:30-17:15)

This training program provided me with a comprehensive perspective on the banking sector. The knowledge I gained, particularly on digital banking trends, sustainability practices, information security, and GDPR requirements, helped me develop more informed approaches in terms of security and data protection in my technical project.

**Week 5 (01.09.2025 – 05.09.2025):**

In my fifth week, I implemented the detailed requirements specified by my supervisor, significantly enhancing the project's functionality. I developed user authentication and authorization systems, defining different user roles with appropriate permissions:

* **Admin role**: Can create requests and update effort hours for all users
* **Contributor role**: Can only input their own efforts, cannot modify others' data
* **Viewer role**: Read-only access to view information

I also implemented a comprehensive file attachment system, allowing users to upload various document types including DOCX, CSV, JPG, and PDF files. The system stores files in organized directories (wwwroot/uploads/{RequestId}) while maintaining metadata in the database for efficient retrieval and management.

Additionally, I worked on the audit logging functionality to track all changes made to requests, recording who made changes and when, ensuring full traceability of system modifications.

**Week 6 (08.09.2025 – 12.09.2025):**

### KISIM 5: GENEL RAPOR (PART 5: GENERAL REPORT)

1. **History of the Institution** 
   1. **Date of Foundation**

* 1954 (under the General Directorate of Foundations)
* 1986 (as Türkiye Vakıflar Bankası T.A.O.) 2023
  1. **Vision & Mission of the Organization**
* **Vision:**  
  To become Turkey's most valuable and sustainable bank
* **Mission:**  
  To provide innovative financial solutions that create value for customers, focus on social benefit
  1. **Ownership Status and Key Partners**
* General Directorate of Foundations (58.5%)
* Public shares (41.5%)
  1. **Management Style (Management Contract, Franchise ...)**
* Modern banking approach in accordance with corporate governance principles

1. **Organizational Structure of the Institution**
   1. **Organizational Chart of the Institution**

* Software Development Division
* System Management Division
* Data Management Division
* Information Security Division
  1. **Departmental Responsibilities & Key Functions**
* Agile methodology implementation
* DevOps practices
* Code review processes
* Automated testing
  1. **Key Executives of the Organization**

1. **Departmental and Organizational Structure & Functions**
   1. **Authority and Responsibility Relationships Within the Department**
   2. **Departmental Job Descriptions & Job Specifications**
   3. **Relations with Other Departments**
   4. **Key Challenges faced by the Department**
   5. **Possible solutions to Key Challenges**
2. **SWOT Analysis**

|  |  |  |  |
| --- | --- | --- | --- |
| **Strengths** | **Weaknesses** | **Opportunities** | **Threats** |
| 70 years of established banking experience  Strong technological infrastructure  Experienced IT team  Corporate customer portfolio | Integration challenges with legacy systems  Regulatory compliance requirements  Process length due to large organizational structure | Digital transformation trends  Fintech collaborations  Open banking APIs  AI and ML technologies | Increasing cybersecurity threats  Fintech competition  Changing customer expectations  Regulatory changes |

1. **Contributions**
   1. **Skills Developed During the Internship**

* Enterprise web application development with ASP.NET Core MVC
* Entity Framework Code First approach and database management
* User authentication and authorization systems
* File upload and management functionality
* JSON-based data handling and audit logging systems
  1. **Responsibilities Taken**
* Development of MVC-based web application architecture
* Frontend interface design and implementation using Bootstrap
* Database schema design and Entity Framework implementation
* User authentication and role-based authorization system
* File upload and document management system development
* Audit log mechanism for tracking system changes
  1. **Future Plans**
* Career goals in financial technology sector
* Deepening in .NET ecosystem
* Learning cloud technologies
* Development in data analysis and reporting

### KISIM 7: EKLER (PART 7: APPENDIX: REFERENCES)

<https://www.udemy.com/course/is-sagligi-ve-guvenligi-sertifikali-isg-egitimi/learn/lecture/42725006?start=0#overview>

<https://www.youtube.com/live/S_A_VVSQdpU?si=B5SZWFpo_Ogh-LlS>