

## Sample Project Descriptions Rejected in the past

- **Internship Project Description:** Personellerin verimlilik çalışmalarına yardım etmek, üretim iyileştirme ve geliştirme çalışmalarına katkıda bulunmak.

**Response and reason for rejection:** Your description must be written in English.

- **Internship Project Description:** to make arrangement the work-flow of KT2 machine in the perforation line and to decrease the number of worker

**Response and reason for rejection:** You cannot get a vague description like this. Your academic supervisor needs the following information

- Project title.
- Project description. The objectives should be stated clearly and concisely.
- Suggested method(s) of approach.
- Results and deliverables expected.

- **Internship Project Description:** Finding and calling the available candidates for the meeting and analyzing them if they are suitable for the positions. I am a part of Information Technology department. My defined project is adding new profiles to the system and to act as an intermediary, identifying and sourcing suitably qualified candidates on behalf of our clients. Additionally my specific area of IT department is business analyst, system admin, database admin and account manager.

**Response and reason for rejection:** This sound like an HR related bookkeeping/data entering type of job. It therefore does not qualify for an IE internship topic as it is.

- **Internship Project Description:** In this apprenticeship I will focus on the jobs that the firm has taken over the years. The firm X has about 25 years background more than in 20 countries. I will archive all jobs that they have taken chronological and observe money wave.

**Response and reason for rejection:** This does not look like an IE internship. You must have an IE related project, in which you use the industrial engineering tools and techniques (consider what we teach in IE courses).

- **Internship Project Description:** I will take place in a project that aims to produce and print the labels of all the products in Company X. The labels are purchased from the supplier now but with this project the firm will do it on their own and reduce the costs. Also the labels will be appropriate for the new legislation about labeling the mixtures which will be mandatory by 01/06/16 by Turkish Law. I've made a research about the regulatory and made a presentation about it. I will be chasing the work routine and compare the difference.

**Response and reason for rejection:** The legislation part is not of interest for us. If this is a cost reduction project, you must describe that and indicate which IE tools you will use. You must also specify your role(s). Even then, this may not qualify as a suitable project. You must present a contentwise convincing project.

- **Internship Project Description:**
  - Updating and reporting the files which will be used in abroad clinic research reports. Checking the bills and entering the numbers according to the reports.
  - Checking up the validity of import products from the company system.
  - Import products will be listed and the list will be controlled according to a sheet which will be done by excel.

**Response and reason for rejection:** This looks like a bookkeeping job. You must have an IE related project.

- **Internship Project Description:** I have qualified as an intern in marketing area in this firm. Therefore, my project will be depend on solving some marketing problems as an industrial engineer and enhancing strategies regarding this subject.

**Response and reason for rejection:** Give a clear project description and be precise. Explain why this should be an IE internship project.

- **Internship Project Description:** I work in the "Business Intelligence" department. This department generates market and business insights through research and analytics to enable high quality business decisions and prepares specific reports, which are related with Turkey healthcare market and Company X's performance both on a periodic and ad-hoc basis, gives active support to the business units in forecasting of operational markets and X products during marketing plan process.

**Response and reason for rejection:** You must specify your tasks clearly and indicate which methods/techniques/tools you will use. Keep in mind that the project must be an IE project (you may consider what we teach in IE courses in our university).

## Sample Project Descriptions Approved in the past

- **Internship Project Description:**

Title: Application of Defect Management System to the Press Machine

The aim of the project is to reduce number of unexpected stops on the pilot machine which is a press machine by %25 compared to base condition via applying defect management system. I have 4 responsibilities to assist the manager applying the defect management system; forming a defect detection table where the operator of each shift writes the type and the cause of the stop and number of each type of stops in the current shift, keeping daily/weekly/monthly number of unexpected stops by getting the data from the defect detection table, preparing a board where the data of all defects is hanged out and updating it weekly and arranging two days in each week to stop the press machine in order to investigate inner defects. The data of inner defects and the action plans to solve the problem will be kept while investigating. Also, the defect management team of the pilot machine will meet regularly to investigate the results and decide on the planned additional activities/checks. At the end, the system including all processes with before

the project and after the project data will be simulated by using ARENA software. Both data will be fit into a distribution to run the simulation model for long term. Then, the output will be analyzed by using the same software to see whether there is a significant difference between scenarios or not.

- **Internship Project Description:** I am conducting my internship for Proj 302 course in Logistics Planning Unit within the Company X Healthcare Department. With the guidance of my supervisor, I have determined my project title as “Reduction of scrap caused by inefficient logistics planning”. Because most of the products in health care sector, as they contain biological substances, have short shelf lives it is highly likely for surplus orders to become scrap and the challenge is to minimize scrap without causing stock outs. I am considering revising the current forecast and ABC analysis methods in order to predict the demand more accurately and place the orders of each product group more efficiently. These improvements would reduce scrap amount by eliminating excessive purchases and by reducing the time products spend in the warehouse (by arranging the delivery times). I expect to build productive models that would eliminate scrap and therefore improve the performance of the inventory system in the company.
- **Internship Project Description:**  
Increasing Efficiency of Glass Production  
This company produces construction glasses and sells to all parts of Turkey and some European and Asian countries. There have been separate production lines that produce various types of glass. I will work in production department. My project is to create an optimum routing within the machines that will end up with the most effective timing and minimum waste of the glass. The aim of the project is to increase the efficiency of the production from 40% to above 60% and have the minimum waste in glass while it is manufactured.  
In order to create optimum routing I will remeasure each machine's set-up (idle) & working times. Each glass material visits several machines and spends different time on each machine and requires different tools. For example thickness of the glass is reduced from 10mm to 6mm in one machine and the same machine also reduces thickness from 10mm to 6mm with different tools. I will optimize the job sequences to minimize set-up time of the machines and also try to reduce queuing while the glass waits for a transfer from one machine to another. Rescheduling of the machines and new vehicles carrying glass from one machine to another will decrease the lost time between the machines There is a program called "Optimization," where you can minimize wasted glass while it is cut. I will use this optimization program to reduce glass waste which will decrease cost of the production and help provide a competitive price in the market.
- **Internship Project Description:** This project contains a series of improvements for tablet production floor and packaging floor. A value stream map will be drawn based on a reference product. Then, the following improvements will be designed:
  - 1) The bottleneck process(es) will be identified and eliminated.
  - 2) The plant layout will be adjusted according to process flow.
  - 3) An extra tip will be added to the punches which will increase the production rate.
  - 4) The tablet loading process performed by operators at packing machine will be automated.
  - 5) After the cartons come out from the machine, two operators are needed in order to box

them. This process will be automated.

6) On the sterile packing floor, blister packaging machines will be removed, and classic cartons will be replaced with cartons with separators.

7) Team leaders create a process order every time an inactive ingredient is added to active ingredient, demanding the mentioned ingredient from the warehouse. This process will be simplified.

At the end, a future state value stream map will be created, showing the overall improvement planned to be made, and reduced costs will be indicated.