

STUDENT NAME SURNAME:			
POINT	POINT	ENM 401 INTERNSHIP II-MANUFACTURING	
5		1. General information about the company: 1.1 Fill in the general information card that is involved in the sample report. Name of the company and starting date of activity, place (full address), field of activity / sector, type of company, engineer and industrial engineer, etc.) 1.2. Specify the mission and vision of the company, the products it produces, its place in the sector and the place of the sector in the national economy. 1.3. Define the organization chart of the company by drawing it in a format similar to the sample report. 1.4. Explain the basic authorities and responsibilities of each department, and explain the interdepartmental relationships (in terms of information flow) by showing them on the flow chart. Explain how each department is involved in the process starting with an order coming to the company and until the delivery of the product to the customer.	
		2. Based on the position of the company in the sector, explain the situation of company compared to its competitors by using SWOT Analysis (Design according to the sample format). 3. Create the internal and external procurement process for a product / service of the company in accordance with the given sample process flow format and explain it step by step.	
		4. Facility Planning of the company: 4.1. Evaluate the location of the company in terms of facility location selection criteria. 4.2. Draw the internal layout plan of the company. State the layout plan fits what type of facility layout and explain the reasons. (Process, Product, Cellular etc.) 4.3. Explain the material handling equipment and / or transport system used in the company by using visuals. (Transport equipment: pallet truck, forklift, etc., Transport System: Conveyor, AGV etc.) 4.4. What are your suggestions that can make the current transport system more effective?	
		5. Demand Forecast in the company: 5.1. What are the demand forecasting methods used in the company? 5.2. How are the data obtained when making demand forecasting? What are the mathematical models and / or support software used? 5.3. Explain one of the demand forecasting methods used in the company by giving an example. If demand forecasting methods are not used in the company, determine the most appropriate demand forecasting management for the company, explain your reason for choosing this method and make a sample forecast with 1-year data suitable for the method you choose.	
9		6. Work Study in Company: 6.1. Give examples from the work study studies that performed in the company. (In terms of method and work measurement). 6.2. In order to analyze the current situation on a workstation you will choose, make a time study practise via the method used at the relevant station. 6.3. According to the time study and your observations, determine a new method that can improve the workstation and create the standard time calculation of the new method with chronometrage method. Compare your new method with the old method. 6.4. Create a process flow chart suitable for sample template for a product and explain the chart.	
		7. Production Planning in the Company: 7.1. Which units are involved in the production planning activities in the company? In the production planning process, resource (personnel, budget, area, material, etc.) assignments are made by which of these units and in what way? 7.2. How and with which methods is the capacity planning of the company carried out? At what annual average capacity level the company operates, explain the reasons for the changes in the capacity used during the year. 7.3. Describe the process of creating master production planning and master production scheduling in the company.	
		8. Warehouse and stock planning in the company: 8.1. What are the stocks kept in the company and their functions? For what purpose are these stocks kept? (According to stock types) 8.2. What are the stock management policies of the company? Provide information about current applications. If there is no stock management policy, explain an appropriate stock policy and your reason for choosing this policy. 8.3. What are the storage systems used in company? Comment on its effectiveness.	
		9. How are maintenance activities (preventive maintenance, maintenance due to malfunction) carried out in the factory? 10. Technological infrastructure of the company: 10.1. What are the office programs used by the company? 10.2. Explain the software used on the basis of the department except for office programs by giving examples with intended use (CAD/CAM, MS, Project, ERP etc.) 10.3. What are the software used in the institutional base? Please explain by giving examples with their intended use. (ERP etc.) 10.4. What hardware and / or input screens are used to obtain data in the company? How are these collected data transformed into information? 10.5. How does the information obtained affect management decisions and planning? 10.6. How are the current data and information stored and protected? 10.7. Are robot technologies used in the company? Write the areas of use and purpose of use.	
8		11. Operations research techniques in the company: 11.1. What are the operations research techniques used in the company? 11.2. Solve a modeling study for a problem of the company within the scope of operations research for a business problem you choose, using operations research techniques (linear programming, dynamic programming, CPM, etc.) and interpret the results. 11.3. Establish a simulation model of a process you will choose in the company and analyze the process.	
		12. Explain the quality planning and control activities of the company. Give information about the statistical quality control studies used in the company. Explain visually the equipment and methods used in control activities. (option) 13. Occupational safety and ergonomic studies in the company: 13.1. Is any study carried out in the company in accordance with the law no 6331 on OHS? 13.2. What kind of solution approaches are offered to these problems? OHSAS 18001 13.3. Give 2 examples of ergonomic solutions put into practice by the company (Risk Assessment). 13.4. Are there any occupational diseases that occur due to long time working in unhealthy environments in the establishment? (Such as deafness due to working in excessive noise, lung disease caused by dust or toxic gases or poisoning )? What are the measures taken and can be taken against such situations? Specify. 13.5. Are there any physical ergonomic problems in the company? a- Factors such as lighting from physical factors, ventilation, heating, noise and humidity b- Working positions that is arised while standing, sitting, carrying and loading c- Fatigue and stress due to speed of service d- Features of the work performed (monotony, creativity, continuity, physical and mental requirements, etc.) e- Regulation of working and rest periods	
		14. What are the precautions taken to prevent work accidents at the facility? What are the powers and responsibilities of the occupational safety specialist in this field?	
5		15. Results and Evaluation Section: After the internship report is completed, the following opinions should be included at the end of the report under the heading "RESULT AND EVALUATION": Do you think the internship process contributes to your education life? If so, what are their contributions? What kind of information do you think you need other than what you have learned during your internship in order to better understand the production systems in your future work? If there is an industrial engineer working in the company write your observations and evaluations about their field of work, authority and responsibilities. Based on your internship experience, evaluate the similarities and differences between industrial engineering and other engineering branches in production systems in terms of authority and responsibilities. What are the thoughts and awareness of the administrative level about the knowledge and qualifications of an industrial engineer? If you had 4 more weeks in the same company, which issues and problems would you deal with in more detail.	
		10. CONFORMITY TO SPELLING RULES FOR INTERNSHIP REPORT	
		100	Point: 90-100 AA 85-89 BA 80-84 BB 75-79 CB 70-74 CC 60-69 DC 50-59 DD 40-49 FD Lower Than 39 FF