VILNIUS UNIVERSITY

ŠIAULIAI ACADEMY

INSTITUTE OF REGIONAL DEVELOPMENT

COMPUTER SCIENCE STUDY PROGRAM COMMITTEE

NAME SURNAME

Software Engineering specialization __ course full-time student

THE INTERNSHIP REPORT OF SOFTWARE FOR DESIGN AND MANAGEMENT OF ROBOTIC SYSTEMS

Compiled by student *Name Surname..*

Internship supervisor *Dr./ prof. Name Surname..................................*

Evaluation of internship supervisor...

Šiauliai

202..

FEEDBACK FROM THE HOST ORGANISATION

On the internship of the student ....

Assessment of the student's subject-based knowledge and skills:

....

....

....

Student's ability to manage time, carry out work, solve emerging problems:

....

....

Student's communicative skills:

....

....

Student's initiative and motivation:

....

....

Suggestions for improving the study program if a student lacked subject-based knowledge or skills:

....

....

....

Other remarks:

....

....

....

Student .... has completed the intended internship assignments

.... %.

The internship assessment of student .... is

....

202_ .... (month)..... (day)

Internship Supervisor at Host Organisation:

....

L.S.

THE INTERNSHIP OF SOFTWARE FOR DESIGN AND MANAGEMENT OF ROBOTIC SYSTEMS

INTERNSHIP SUPERVISOR'S FEEDBACK

Student's compliance with the work schedule:

....

....

....

....

Brief commentary and assessment of the internship

....

....

....

....

....

Internship supervisor

I.   INTRODUCTION

INTERNSHIP TOPIC

The place, topic and duration of the internship are briefly described.

For example: The chosen company, where the internship was carried out, is UAB "Programita". This company was chosen due to the wide range of services in the implementation of different IT solutions. Also, knowing that the number of employees in the company is small, this is a great opportunity to gain more work experience. Roles of the work performed in the position of intern: "Engineer-programmer", "Software tester". Performance period 09/06/2022 to 11/29/2022.

1.1. Aim of the work

For example: To perform the assignments of creating software for automation of production operations (creating a machine learning model, programming a robot) at UAB "Programita", describe them and provide recommendations to the company.

1.2 Object of the work

For example: Modernization of the welding operation at UAB "Programita".

1.3 Tasks of the work

For example:
1. To provide general information about the company, type of activity and characteristics.

2. To perform the analysis related to work automation solutions, data collection for the implementation or improvement of the company's activities, the use of machine learning or other artificial intelligence methods.

3. To discuss the necessary software and hardware for both optimization of work and performance of work.

4. To describe in detail the works assigned by the institution and their specifics as well as analyse the workflow and the knowledge gained.

5. To provide recommendations to the company about the problem to be solved. To share the impressions experienced during the internship. To discuss the general situation of the company.

1.4 Research methods

For example: performance observation, survey, interview, case study, computer simulation, etc.

II. GENERAL CHARACTERISTICS OF THE COMPANY AND ACTIVITY ANALYSIS

The information about the company (the place of internship, its field of activity and the tasks performed) are presented:

II.1 Company management and activity planning

The detailed information about the company, its structure, departments, how work is organized between them, etc. is provided.

II.2 The main activities of the company

The company's specific activities are described, its main field of activity, what operations are performed, etc.

II.3 Automation of work operations in the company

It is described what production or information processing automation tools are used in the company. From which manufacturers work automation products or services are purchased? If the company itself offers such products or services, then you have to describe in more detail the specific case of the product sold to the customer.

It should be noted that here and elsewhere in the report, only those data to which the company does not object may be published. If the company prohibits the publication of such data, then this report shall be accompanied by a confidentiality agreement, a confidentiality/non-competition pledge signed by the intern, etc. This is the supporting document of the company.

II.4 Staff control measures

How is the security of data and processes ensured in the company's work, what measures are used to restrict the access of persons to the premises, how to connect to the information system, etc.

III. DESCRIPTION OF WORKS PERFORMED

This section is written on the basis of the internship diary. First, the diary is presented, then its summary.

3.1 Internship diary

For example:

Date	2023-XX-XX
Works performed	A brief description of the work the intern had to perform individually or with colleagues. If the task is continuous, then it is mentioned every day on which it was performed.
Self-assessment	The intern evaluates how well he/she succeeded in performing the given tasks, what skills/knowledge was lacking or, on the contrary, what knowledge helped to solve the problems that arose during the internship. Directions for further improvement can be indicated, for example, "one should delve deeper into the theory of automatic control", "one should get acquainted with the English terms of the subject area" and so on.
Analysis of internship activities	The details of the works are described and evaluated: what technologies were chosen/used, what was the reason for choosing them, and whether it was feasible. What characteristics of assignment solution implementation were measured (speed, security level, speed of solution creation, etc.) and what new things were observed. If the intern has his/her own opinion than the decision made in the company, he/she can present it here and justify it.

The diary is filled in for each day of the internship in a separate table.

3.2 Summary of the internship assignments and recommendations

A structured list of the most important assignments performed is provided.

For example:

1. *Analysis of the initial situation.*
2. *Preparation of the modernization plan.*
3. *Data collection.*
4. *Selection of hardware and software.*
5. *Acquaintance with the software required to perform the work.*
6. *Simulation.*
7. *Prototype programming.*
8. *The internship report has been written.*

It is recommended to specify the planned number of hours for each activity. The actual number of hours may be adjusted during the course of the internship. Reasoned explanations are then given.

For example:

One of the main problems inside the company was ... <...>

They should also use ... <...>

To implement the project, I would suggest using not X, but Y service provider...

IV.   CONCLUSIONS

The conclusions are formulated concisely and clearly, with statements of a conclusive nature, which follow from the solution of the defined work assignments.

V.   APPENDICES

The official documents (e.g., company confidentiality agreement, letter of commendation, etc.) are attached, technical documentation prepared during the internship, etc.