**Ministry of Education of the Republic of Belarus**

**Yanka Kupala State University of Grodno**

**Practice Diary**

4th year student

specialty "Information Technology Software" (1-40 01 01)

faculty of mathematics and informatics

full-time education

Nkulu Kilumba

**Grodno, 2021**

**I N S T R U C T I O N F O R T R A I N E E**

**Before the beginning of the practice** a trainee shall make it certain about the period of practice at the department; one month before the beginning of practice a trainee shall enter into the contract on organization of practice with the supposed base of practice; at the organizational meeting at the head of practice from the department to get a program of practice, a report, instructions for the performance of an individual task, information on the schedule of consultations, etc.

**Upon arrival at the practice base** in the personnel department of the organization note the date of arrival and prepare the documents necessary for the practice. Meet with the practice supervisor at the organization, familiarize him with the practice program and individual assignment, agree on a calendar plan for the practice, the use of documentation, drawings, technical literature etc. To familiarize with the rules of internal labor regulations, to receive instruction on labor protection.

**During the practice** a student shall обучающийся обязан comply with the established in the organization work schedule (rules of internal labor regulations), rules for labor protection. Complete the program of practice and individual assignment.

**At the end of practice** in the personnel department get a note on the departure and, if necessary, obtain a certificate stating that during the practice the student was not enrolled for a vacant position. To sign a report on the implementation of the practice program from the immediate head of practice from the organization and approve it from the head (deputy head) of the organization. Receive a written response from the direct leader of the practice from the organization about the completion of students practice.

**Practice report** shall be updated on the daily basis under the supervision of the immediate supervisor from the organization. It shall contain the informationВ нём фиксируется информация о выполняемых видах работ в соответствии с программой практики и индивидуальным заданием.

**Report on the completion of the program of practice** shall be signed by the student, the direct supervisor of the practice from the organization and approved by the head (deputy head) of the organization.

Before **the differential credit** a student presents to the chair a practice report, a report on the implementation of the program of practice and a written response of the direct head of practice from the organization about the practice of the student.

The student who fails to fulfill the program of practice, who received a negative response from the practice supervisor from the organization, fails to make a satisfactory mark when passing a differentiated credit, shall be sent again to practice in his free time (no more than 1 time).

Student Nkulu Kilumba \_

Faculty Mathematics and Informatics \_

Speciality Software Information Technologies (1-40 01 01) \_

Year 2021 \_

Title of the practice TCMC(Traditional Chinese Medicine Center) Website System \_

Duration from March 23 2021 to April 18 2021

Practice base\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Practice supervisors: Rudikova Lada***

at department: modern technologies of programming \_

(telephone) +375 (33) 689-96-16 \_

at organization: faculty of mathematics and informatics \_

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(telephone)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Links to Web-pages http://emcd.grsu.by/course/view.php?id=104682#section-4

Departed for practice March 23 2021

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(signature of the supervisor at department)

Arrived for the practice to the organization March 23 2021

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(signature of the supervisor at organization)

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Departed from organization April 18 2021

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***APPROVED***

(head of the profile department)

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**I. Individual assignment**

(issued by the practice supervisor at the department)

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Content | Notes | Completion check |
| 1 | Find a solution similar to the target project on the network |  | Completed |
| 2 | Requirements analysis for the target web application |  | Completed |
| 3 | Choose a development language and tools (including development frameworks) |  | Completed |
| 4 | Design the project's system structure, data structure, and UML diagram. |  | Completed |
| 5 | Design a web application management system and a GUI of the user system. |  | Completed |

Practice supervisor at the department

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**II. Schedule of practice**

|  |  |  |
| --- | --- | --- |
| Date (period) | Activities (the sequence of the trainee's transfer to the objects of practice and workplaces) | Planned work |
| 22.03.2021-18.04.2021 | Department of Modern Technologies of Programming , Faculty of Mathematics and Informatics , Grodogorsk StateUniversity   Yankee Kupala | Perform an individual task |

III. Work completed during practice

|  |  |
| --- | --- |
| Date | Content of the work done |
| 22.03.2021 | Preliminary search for solutions similar to projects on the web. |
| 23.03.2021 | Analyze and find the closest solution to the target project in the found solution. |
| 24.03.2021 | Analyze the advantages and disadvantages of the solutions and projects found, and preliminary analyze the functions that the project should have. |
| 25.03.2021 | Design the interface and Mockup. Start to build the Mockup structure. |
| 26.03.2021 | Select project development language, tools and framework. Project needs analysis to understand the roles in the project. |
| 27.04.2021 | Functional needs analysis, complete user use case diagram. |
| 28.04.2021 | Complete activity diagram, sequence diagram |
| 30.04.2021 | Complete sequence diagram, state chart diagram |
| 31.04.2021 | Project data structure design, complete Conceptual Data Model. |
| 01.04.2021 | GUI design of background management system |
| 02.04.2021 | GUI design of background management system |
| 06.04.2021 | GUI design of background management system |
| 07.04.2021 | GUI design of the front desk website |
| 08.04.2021 | GUI design of the front desk website |
| 09.04.2021 | GUI design of the front desk website |
| 13.04.2021 | Start project analysis document. |
| 14.04.2021 | Complete project analysis document. |
| 15.04.2021 | Report preparation. |
| 16.04.2021 | Report preparation. |
| 17.04.2021 | Check the project documentation and adjust the document format. |
| 18.04.2021 | Handing Report. |

Practice supervisor at the organization

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**IV. Participation of the trainee in production, public, design, research and rationalization activities**

Write two articles:

1st:

DEVELOPMENT OF SYSTEM FOR PERSONNEL MANAGEMENT SYSTEM FOR A PRIVATE COMPANY

The software goes deeper every year and integrates into human life, without exception in every successful business, companies, industries. The proposed development allows you to optimize and simplify to work with data. Personnel are the backbone of any company therefore their management plays a major role in deciding the success of an organization. Personnel Management Software makes it easy for the Manager to keep track of all records. Each employee in the database is associated with a position can be added and edited when need arises.

2nd:

DEVELOPMENT OF A WEB APPLICATION

THAT PROVIDES A PLATFORM FOR SELLING THINGS

The DalliaMarket is to provide a platform which is accesible to every one to promote and to sell their goods online the platform provide functionalitty such as register,login, give feedback,contact the seller, publish articles on the platform with all details and to purchase goods online .

**V. Classes, briefings, seminars, excursions, conducted during the practice period**

V.1 Instruction on labor protection (safety training) at the university

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(date) (signature)

V.2 Instruction on labor protection at the practice venue

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(date) (signature)

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**VI. EVALUATION SHEET**

Marks : 10 – 9 optimal

8 – 7 sufficient

6 – 4 required

3 – 1 fail

– he evaluation is not possible

|  |  |  |
| --- | --- | --- |
| Parameters for assessing the professional activity of a trainee student | Expert’s mark  (0-10) | |
| Supervisor at the practice venue | Supervisor at the department |
| Practice program completion |  |  |
| Independence |  |  |
| Initiative |  |  |
| Diligence |  |  |
| Discipline |  |  |
| Managerial skills |  |  |
| Theory knowledge level |  |  |
| Practical skills level |  |  |
| Level of professional competence |  |  |
| Level of general cultural competences |  |  |
| Skills that promote productive communication and cooperation |  |  |
| Ability to work with sources of information |  |  |
| Appearance of the student |  |  |
| Practice report |  |  |
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Practice supervisor at the organization

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Practice supervisor at the department

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1. **Feedback of the practice supervisor at the organization**

**To student Nkulu Kilumba**

**Practice period:**  March 23 2021 to April 18 2021 \_

**Parctice base \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Completeness and quality of implementation of the programmer of practice:

In this internship, Nkulu was working hard, writing a better website program, and finishing the documentation. In terms of program integrity, the function is complete, and it has a beautiful interface. In terms of execution quality, it can run very well, and writing code is more standardized.

Degree of independence, organizational skills, initiative and diligence:

Nkulu has a higher degree of independence in completing the procedure, has better independent thinking ability, and solves problems independently when encountering problems. Good organizational skills, and can help others to complete when other students encounter problems. In terms of initiative, he will actively learn new knowledge, and when he encounters problems, he can actively find a solution. Diligent and diligent in diligence, steady and down-to-earth, very diligent.

The level of theoretical knowledge and practical skills, the ability to apply theoretical knowledge in practice:

Possess a high technical ability and practical skill level, and be able to apply the theoretical knowledge usually found to practical projects. There is more research on professional knowledge, so the level of theoretical knowledge and practical skills is higher.

Discipline, moral and business qualities, other aspects, characterizing the personal qualities of the learner:

Prudent and practical, quasi-discipline. Moral justice is excellent, honest and trustworthy, and has a strong sense of responsibility. Usually do things carefully and meticulously, very patient and willing to share

Practice supervisor at the organization

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**VIII. Feedback of the practice supervisor at the department**

During the practice, Nkulu Kilumba get acquainted with the infrastructure of the department of modern programming technologies. He studied general approaches to the organization of electronic interactions, as well as the corresponding software that is used in the department. As a result of passing the undergraduate practice, Nkulu Kilumba performed all the tasks set by the manager, showed a good level of theoretical training. He approached the fulfillment of all tasks in good faith and with responsibility. Showed the desire to obtain new knowledge.

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**IX. The student's assessment of the organization of practice, the compliance of the conditions of practice with the requirements of the programmer, suggestions for improving practical training**

The practice is organized in accordance with the requirements and conditions of its passage. Rudikova L.V. helped to organize the work correctly, correctly solve problems, select the optimal models at the design stage and architectural solutions.

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