Ministry of Education of the Republic of Belarus

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| Education establishment  BELARUSIAN STATE UNIVERSITY OF INFORMATICS AND RADIOELECTRONICS | | | | | | | | | | | | | | | | | | | | |
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| Faculty of Information Security | | | | Department Of Infocommunication Technologies | | | | | | | | | | | | | | | | |
| Специальность | 1-45 01 01 02 | | | Специализация | | | |  | | | | | | | | | | | | |
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| *ALLOW*: | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | |  | | | | Head of the ICT department | | | | | | | | | |
| « | | | | | | |  | | | » | |  | | | 2023 | | | |  | |
| **TASK** | | | | | | | | | | | | | | | | | | | | |
| **on the student's diploma project** | | | | | | | | | | | | | | | | | | | | |
| Ivan Ivanovich Ivanov | | | | | | | | | | | | | | | | | | | | |
| (full name) | | | | | | | | | | | | | | | | | | | | |
| 1 Project topic: | | “The topic of the diploma project/work according to the order” | | | | | | | | | | | | | | | | | | |
| approved by order of the university of | | | | « |  | » | |  | | | | | 2023 | | | № | |  | | | |
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| 2 Deadline for the student to turn in his completed work | | | | | | 1 june2023 | | | | | | | | | | | | | | |
| 3 Initial data for the project: | | | 1.Make a flowchart of the software algorithm. | | | | | | | | | | | | | | | | | |
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| 2. Create a class with the specified two fields (Field 1, Field 2) and three methods: constructor to initialize the object; the function of forming a string with information about the object; function of processing field values. Create a child class with an extra field. Implement the following methods in the child class: constructor; data processing function.  3. Create software menu for users.  4. Enter the parameters of created objects from the keyboard using cmd with the description of the input data. Information output should be carried out using cmd with the description of the output. | | | | | | | | | | | | | | | | | | | | |
| 4 Contents of the explanatory note (list of issues to be developed):  Introduction | | | | | | | | | | | | | | | | | | | | |
| 1 Overview of existing solutions | | | | | | | | | | | | | | | | | | | | |
| 2 Project specifications | | | | | | | | | | | | | | | | | | | | |
| 3 Development of the structural diagram | | | | | | | | | | | | | | | | | | | | |
| 4 System operation algorithms development | | | | | | | | | | | | | | | | | | | | |
| 5 System software implementation | | | | | | | | | | | | | | | | | | | | |
| 6 Technical and economic feasibility study of system development | | | | | | | | | | | | | | | | | | | | |
| Conclusion | | | | | | | | | | | | | | | | | | | | |

List of references

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| 5 List of graphic materials (with the exact indication of the mandatory drawings) | | | |
| Electrical structural scheme of the system (PD) – format A1, sheet 1. | | | |
| Диаграмма вариантов использования (PD) – format A1, sheet 1. | | | |
| Database schema (PD) – format A1, sheet 1. | | | |
| System operation algorithm diagram (PD) – format A1, sheet 1. | | | |
| Algorithm for calculating wages (PD) – format A1, sheet 1. | | | |
| Class diagram (PD) – format A1, sheet 1. | | | |
| 6 Contents of the technical and economic feasibility study of system development: | | |
| Feasibility study on the effectiveness of the development of an automated of the enterprise labor resource management system | | | |
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| The assignment was given by |  | E.E. Titova | |

TIME SCHEDULE

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| --- | --- | --- | --- |
| Name of steps of the diploma project | Scope of the stage,  % | Deadline for the stage | Note |
| Analysis of the subject area | 20 | 30.03.2023 |  |
| Problem statement | 20 | 05.04.2023 |  |
| System architecture development | 20 | 10.04.2023 |  |
| Software Development | 20 | 20.04.2023 |  |
| Calculation of the feasibility study | 10 | 1.05.2023 |  |
| Drawing of graphic material and explanatory note | 10 | 15.05.2023 |  |

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| Date of assignment |  | Supervisor |  | S.S. Sidorov |
| Assignment accepted for execution | | I.I. Ivanov | | |
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