

The Ministry of Education of the Republic of Belarus

BELARUSIAN STATE UNIVERSITY
OF INFORMATICS AND RADIODEVICE

Faculty	Information Technologies and Control	Department	Information Technologies in Automated Systems
Speciality	1-53 01 02	Specialization	01

APPROVED BY

The Head of the Information
Technologies in Automated
Systems Department

(Signature)

“ _____ ” 2022

THE TASK
for the diploma project
to be prepared by the student Tu Xinyuan

1 The theme of the project

MOBILE PAYMENT AUTOMATED SYSTEM

Order No 865-c dated 30.03.2022.

2 Project preparation deadline: 01 06 2022

3 Initial data to the project: Initial administrator's account and configuration.

Software to be used: Linux Debian 11.0, MySQL 5.7, Jetbrains IntelliJ IDEA,
Google Android Studio and Redis.

4 Explanatory note content:

Introduction

1 Analysis of subject area

2 Information system structure of mobile payment system

3 Information system software implementation

4 System development and manual

5 Economic feasibility study

Conclusion

References

Appendix A (mandatory) Code example

Diploma Project Register

5 Drawings:

1 Organizational structure of mobile payment system (A1, 1 sheet)

2 Flowchart diagram of session payment (A1, 1 sheet)

3 Sequence diagram of session payment (A1, 1 sheet)

4 Collaboration diagram of payment process (A1, 1 sheet)

5 Use case diagram of user and merchant (A1, 1 sheet)

6 IDEF0 diagram of mobile payment automated system (A1, 1 sheet)

6 The task for the economics feasibility study

Estimated cost of development and implementation of a mobile payment system targeting for merchants and consumers in Belarus.

Given by _____

I. V. Smirnov

PROJECT PROGRESS SCHEDULE

Project progress stage	Stage size (%)	Stage deadline	Note
Collection and study of materials on automation in oil companies. Automation scope analysis	15 – 20	27.01 – 14.02	
Information system structure design. Development of algorithms. Database design	20 – 15	17.02 – 14.03	
Software design	20 – 15	7.03 – 04.04	
Software debugging and testing	15 – 20	07.04 – 30.04	
Economic feasibility study	10	07.05 – 16.05	
Preparation of the explanatory note and drawings	20	19.05 – 10.06	

The task is given on _____

(date)

Supervisor _____

A.F.Trofimovich

I hereby accept the task for implementation

Tu Xinyuan