THE MINISTRY OF EDUCATION AND SCIENCE OF THE REPUBLIC OF KAZAKHSTAN

INTERNATIONAL INFORMATION TECHNOLOGIES UNIVERSITY

Faculty of Information technologies

Department of Computer Systems, Software Engineering and Telecommunications

**Project report**

**Course: Information theory**

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| Student: Nurtai Maksat  Group: CSSE-1605  Accepted : senior-lecturer L.A. Kozina |  |

Almaty 2015

**DESIGN OF THE PROJECT PERORT**

The completed course work must be framed in the form of settlement and explanatory notes containing at least 10 pages and include:

1st page: **TITLE PAGE** (not numbered, but included into the total number of pages);

2nd page: **CONTENTS;**

3rd page: **INTRODUCTION;**

from the 4th page: **THE MAIN PART OF THE PROJECT** (theoretical description of each project part with practical implementation)**;**

**CONCLUSION;**

**REFERENCES;**

***Text.*** Performed typewritten on one side of white A4 (210x297) paper by ГОСТ 2.301-68 with margins:

– top – min. 20 mm.;

– left – min. 30 mm;

– bottom – min. 25 mm;

– right – min. 10 mm.

Requirements for the font and indention of the text:

– font “Times New Roman”;

– font size 14 pt;

– single line spacing;

– indentation size 15 mm

– Text alignment - page width;

All sheets of the work should have continuous numbering, including appendices (title page is included to the numbering, but the number is not put on the first page). The sheet number is written in the upper right corner without a dot.

***Headings.***

*Headings of the structural elements of the work..*

– headings **CONTENTS, INTRODUCTION, CONCLUSION, REFERENCES** are not numbered, written in capital, bold font and aligned to the width of the page with indention.The text is separated from the header of the section by one line;

– it is recommended to start each structural element from a new sheet.

– the text of the main part of the paper is divided into sections and subsections, whose names are written in the form of headers.

Headings of sections and subsections:

– headings are written in capital letters, bold font;

–text alignment in the header - by the width of the page with the indentation;

– word wrap in headings is not allowed. If the title consists of two sentences, they are separated by a dot;

– text of the section is separated from the header of the section by one line;

– it is recommended to start each section from a new sheet.

– The section headings are numbered by sequence numbers within the entire work, which are indicated by Arabic numerals – 1, 2, 3, etc. *A point after the number is not put*;

– subsection heading is not separated by a line from the text;

– subsections are not written on a new sheet, but separated by a line from the previous subsection;

– subsections, in turn, can be divided into paragraphs, subparagraphs, etc., made out by the rule of subsections design;

– subsection headings are numbered within a section. The number consists of the section number and the sequence number of the subsection separated by dots. – 1.1, 1.2, 1.3 or 1.1.1, 1.1.2, etc. *There is no dot after the number.*

***Formulas***

*–* When formatting the document in Word formulas drawn up using Microsoft Equation;

– formulas, taken out on a separate line, are centered and numbered in Arabic numerals. Numbering is indicated on the right side of the sheet at the level of the formula in parentheses. Numbering is allowed within the chapter (for example: (2.1), (2.2.), etc.), as well as within the diploma work (for example: (1), (2), etc.).

***Example of the formula with a description***:

 (3)

where αi - weighting coefficients (αi≥0, ΣαI); Wi - components (objective functions) quality criterion.

***Figures and tables.*** Illustrations (drawings, diagrams, sketches, diagrams, etc.) must be visible and clear. Illustrations and tables should be placed right after the text in which they are mentioned for the first time or on the next page;

– illustrations and tables are numbered within the work;

– links to all the illustrations and tables in the text are required.

**Examples of the tables and figures:**

Table 1 – Measuring receivers

|  |  |  |
| --- | --- | --- |
| Type | frequency range | limits of power measurement |
| П5-34 | 8.24-12.05GHz | 3,11-12W |
| П5-14 | 16,6-25,8 GHz | 34-81,2 W |
| В6-9 | 20Hz-200kHz | 11,8-55,4 W |
| В6-10 | 13,4-21,3 GHz | 22,6-44,8 W |
| SWV-21 | 0,3-3,11 GHz | 6,7-99,1 W |

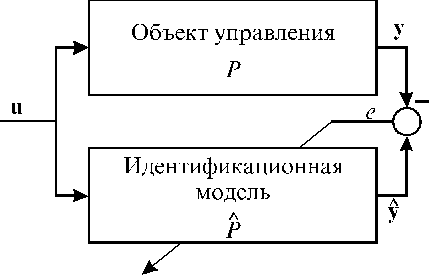


Figure 3 - Identification of the control object

***Links.*** Examples of links:…in section 3…; … in the figure 8…; …(figure 4)…;… by the formula (5)...;…in table 1…;… as described in /2/.

***List of references.*** Information sources should be placed in the order of appearance of links to sources in the text of the work within: [1] or /1/.

References are performed with the following rules:

For books:

1. Советов Б.Я., Яковлев С.А. Моделирование систем. - М.: Высшая школа, 2007.- 322 с.
2. Кудрявцев Е.М., Добровольский А.В. Основы работы с универсальной системой моделирования GPSS World. -М.: АСВ, 2005. – 252с.

For journals and periodicals:

1. Сидоров К.К. Исследование физических процессов//-М: Вычислительная техника и программное обеспечение, 1996, №7. – С.34-45.

For the Internet resources:

1. Site of the Web3D consortium. <http://www.web3d.org>
2. HTML documentation. <http://html.find-info.ru/>