MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE
RUSSIAN FEDERATION

Federal State Autonomous Educational Institution of High Education
“South Ural State University (National Research University)”
School of Electrical Engineering and Computer Science
Department of Computer Science

DEVELOPMENT OF DISTANCE LEARNING SYSTEM FOR
KIRKUK UNIVERSITY

Of the master graduate qualification work
for the student of the group CE-229

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Chelyabinsk –2019
Goal and objectives of the research

Goal

development of distance learning system for Kirkuk University.

Objectives

1. To study the analysis of subject area and developing website.
2. Design Interface.
3. Develop of website application.
4. Functional testing of website.
Requirements

The features that the system provides:

1. The Staff can be add teachers and students.
2. The Staff can be add courses and lessons.
3. The Staff can be add customize teacher courses and customize student courses.
4. The teacher can be update Content lessons.
5. The teacher can be add Exams and answer Exams.
6. The teacher can be add Blogs.
7. The Student can be choose lessons.
8. The Student can be answer Exam and view Result Exams.
Design of website

- Main Page
  - Staff Page
  - Teacher Page
  - Student Page

- Levels
  1. Home
  2. Users
  3. Courses
  4. Lessons
  5. Exams
  6. Schedule Exams
  7. Blogs
  8. Logout

- View All
  - All Staff
  - All Course List
  - All Lessons
  - Customize Teacher
  - Customize Student
  - Publish Contents Lesson

- Exams Results

- View All Content Lessons

- Levels
  1
  2
  3
  4
  5
  6
Software techniques used

Adobe Dreamweaver

Developing an website application by

- HTML 5 (Hyper Text Markup Language)
- CSS (Cascading Style Sheets)
- PHP Laravel 5
- Java Script
- MySQL

AppServer

- Local Server.

Software Ideas Modeler

- Platform for UML diagrams design.
Views of the website application

- Main page
Views of the website application

- Staff page
Views of the website application

- Teacher page
Views of the website application

- Student page
Views of the website application

Course Page

<table>
<thead>
<tr>
<th>#</th>
<th>Name Course</th>
<th>Status</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Engineering Computer Simulation</td>
<td>Active</td>
<td>2019 Jun 01 - 20:57:05</td>
</tr>
<tr>
<td>2</td>
<td>Data Mining</td>
<td>Active</td>
<td>2019 Jun 01 - 20:56:14</td>
</tr>
<tr>
<td>3</td>
<td>IT-analysis</td>
<td>Active</td>
<td>2019 Jun 01 - 20:55:51</td>
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</table>
Views of the website application

- Customize Teacher Page
Views of the website application

- Content Lessons Page

Publish Contents Lessons

View All Publish Contents Lessons

Create

<table>
<thead>
<tr>
<th>#</th>
<th>Name Lesson</th>
<th>Name Course</th>
<th>Title</th>
<th>Download</th>
<th>Upload</th>
<th>Download Url</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Scaler</td>
<td>Neural Networks</td>
<td>Dimensionality reduction Assignment</td>
<td>Click</td>
<td>Click</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Reference models</td>
<td>IT-analysis</td>
<td>Information society</td>
<td>Click</td>
<td>Click</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Reference models</td>
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<td>Concept of open systems</td>
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<td>Click</td>
<td></td>
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</table>
Views of the website application

Exam Page

<table>
<thead>
<tr>
<th>#</th>
<th>Title Exam</th>
<th>Duration(Mins)</th>
<th>Name Lesson</th>
<th>Name Course</th>
<th>Name Teacher</th>
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<tr>
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<td>ivanov</td>
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<tr>
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<td>Neural Networks</td>
<td>ivanov</td>
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<tr>
<td>3</td>
<td>test 2</td>
<td>10</td>
<td>Scaler</td>
<td>Neural Networks</td>
<td>ivanov</td>
<td>2019 Jun 01 - 22:20:43</td>
</tr>
</tbody>
</table>
1. Studied the analysis of subject area and developing website.
2. Designed Interface.
3. Developed of website application.
4. Functional tested of website.
Perspectives

1. Improvement in home page design.
2. Add a schedule testing rating method in the result testing.
3. Add special password before any exam.
4. Increase information and options in proportion to each lessons.
5. Every site needs to be continuously updated and developed and needs continuous testing, making the site better and more secure.