Information Competence of a Library Specialist as a Condition for Their Professional Development

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\textbf{ABSTRACT}

The relevance of the study is due to the intensive introduction of information technology to library activities. Active use of information technology has a significant impact on the professional development of a librarian. It requires a high level of information competence. The purpose of the paper is to present and describe an information competence model of a librarian. The leading method in the study is the method of modeling which has allowed us to consider this issue as an organized process for improving professional competencies and formation of special competencies of librarians they need for effective practical activities. The paper presents the author’s structure of information competence of a librarian. As a system, information competence includes objectives, functions, properties, has its own characteristics and structure which includes three components: cognitive component, activity and creativity component and value and motivation component. The study has identified the factors in information competence development of a librarian. They are divided into two groups: internal (individual and personal) and external (professional and social). The model aims at the development of professional and personal competencies to control changes in professional development. The paper is of practical value for specialists and managers of library and information institutions; for specialists of libraries and other cultural institutions for their self-education and practice; centers for advanced training and retraining of specialists of library and cultural institutions; for specialists of cultural institutions engaged in recruitment.

\textbf{KEYWORDS}

Information competence; library specialist; library; information technology

\textbf{ARTICLE HISTORY}

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\textbf{Introduction}

The current stage of the development of library and information activity is characterized by intensive use of information technology. This process is caused by the latest achievements in science and technology, the development of the global information technology market. Computerization allows the library to
carry out its primary function more efficiently - to provide open access to information to all categories of users. It has become the key to the integration of the library into a single global information space.

Active informatization has a significant impact on the professional development of a library specialist. The rapid growth of computer park and the constant demand for electronic library resources cause the necessity for highly qualified professionals who freely and effectively use information technology (Zbarovskaya, 2005).

Mastering information technology skills is becoming the key to the high competitiveness of library specialists, contributes to the development of the librarian profession, allowing them to play an important role in the society of the future. Prospects for libraries to enter the global information space require a deeper understanding of the problems of staff development system and professional development of library specialists. Thus, information competence should be considered as an important resource for professional growth which provides a mobile library staff (Elepov and Kryuchkova, 2009).

The issue of information competence development as a condition for professional development is more relevant for practitioners who do not master the required degree of information competence for various reasons. Formation of competencies that meet the requirements of our time is one of the directions of advanced training of library specialists (Parshukova, 2006).

Aim of the Study

The aim of the study is creation of theoretical and methodological model of information competence of library specialist in the context of his professional development and experimental approbation of it.

Research questions

The overarching research question of this study was as follows:

Theoretically develop a model of information competence.

In the second experimental stage, testing of the proposed model and diagnostics of levels of information competence development of the librarians have been carried out.

Method

To solve the problem, the following methods were applied: theoretical (literature analysis, synthesis, modeling); empirical (observation, survey, testing, interview); statistical methods (ranking, comparison, scaling, mathematical method).

The bases of the study were: The National Library named after S.G. Chavain; centralized library system of the city of Yoshkar-Ola; centralized library system of Orshanka; centralized library system of Mari-Turek; centralized library system of Kilemary.

Object, subject, structure, boundaries, purpose, objectives, hypothesis, methodology, techniques and conceptual apparatus have been identified in the first search and theoretical stage based on the study of the scientific literature on the issue of the research. The study of scientific literature has allowed us to analyze the state of the research problem in the theory and practice of library science, to identify trends and approaches to its solution in related sciences, to
develop our own scientific position and theoretically develop a model of information competence.

In the third summarizing stage, analysis and systematization of the research results, refinement and updating of data, statistical processing of research materials have been conducted, research findings have been summarized, conclusions and recommendations have been formulated.

Data, Analysis, and Results

As a system, information competence includes objectives, functions, properties, has its own characteristics and structure.

The objectives of information competence development of a specialist are:
- to acquire the knowledge of computer science and information technology skills;
- development of communication skills;
- implementation of the interactive dialogue in a single information space.

The functions of the information competence include:
- regulation (indicators for achievement and development, acts as a system of moral norms, legal norms that need to be guided in the information society);
- epistemology (systematization of knowledge and self-knowledge);
- communication (providing communication in the information society);
- adaptation (adaptation to the conditions of the information society);
- evaluation (evaluation of the significance, usefulness of the information, etc...);
- development (formation of an active life position, self-dependence, self-realization on the basis of a specific system of knowledge and standards adopted in the information society).

Information competence has the following properties:
- dualism - the existence of objective (external assessment of information competence by the society) and subjective (inner - self-assessment of their information competence by individuals) parties;
- relativity - knowledge becomes obsolete quickly, therefore, it can be considered as new one only in a certain space-time interval;
- structuredness - each person has their own knowledge bases which are hierarchically ordered in a certain system of knowledge about information, its types, properties, functions and methods of work with it, the use of information technology in professional activity;
- accumulation - knowledge and knowledge bases tend to “accumulate”; new knowledge is added to existing one;
- selectivity – knowledge is selected on the basis of the utility, possibility of practical use in professional activities;
- dynamism – the ability to update knowledge continuously and use it in professional activity;
- integration - relation of a library specialist with social-cultural environment and the development of the society as a whole;
- multifunctionality - various subject-specific knowledge bases (semantic component of the knowledge base is multifunctional) contribute to the professional development of librarians.

Peculiarities of information competence are:
- self-renewal, the application of new forms and ways to meet the information needs of subjects who adapt information competence to changing conditions;
- self-development, complication of structural-functional and organizational parameters of the entire system of information competence;
- extension of specialization of certain components and level of their interconnection and interaction.

The study has identified the factors in information competence development of a librarian. They are divided into two groups: internal (individual and personal) and external (professional and social). Internal factors include motivation, intellectual development, capacity for reflection, the desire for self-development, etc., external factors include information and library professional environment and advanced training system and self-education.

The model of information competence of a library specialist consists of three components: cognitive component, activity and creativity component and value and motivation component.

1) Cognitive component - the level of knowledge which is the essence of the competence;
2) Activity and creativity component – the level of skills used in professional activity;
3) Value and motivation component - a set of significant motives and values of a library specialist, contributing to the development of information competence, as well as the level of self-awareness and self-esteem.

In developing the model of information competence, a peer structure was used as the most optimal for the library and information activities and corresponding to objectives of the study. Each component includes related competencies (clusters). The cognitive component includes 7 competencies, the activity and creativity component - 22, the value and motivation component - 5. Their total aggregate of 35 competencies describes the basic knowledge, skills and motives of a library specialist. The percentage distribution of the number of competencies (20% - cognitive component, 65% - activity and creativity, 15% - value and motivation component) corresponds to the practice-oriented principle in the advanced training system and professional education. The information competence model is represented in the diagram (Figure 1).
To study the information competence of the librarians of the Republic of Mari El, the author’s system of criteria and indicators was created which reflects the level of information competence of a librarian. It is presented in Table 1.
Table 1. Criteria and indicators for information competence

<table>
<thead>
<tr>
<th>Component</th>
<th>Criteria</th>
<th>Indicators</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cognitive</td>
<td>cognition</td>
<td>formation of the knowledge of the basics of computer science and information technology formation of the knowledge of the problems of library informatisation</td>
</tr>
<tr>
<td></td>
<td>regulation</td>
<td>formation of the knowledge of the basics of information and copyright laws level of mastering the package of integrated applied Microsoft Office programs level of mastering automated library and information systems level of mastering the Internet technology formation of creative and innovative components</td>
</tr>
<tr>
<td>Activity and creativity</td>
<td>activity</td>
<td>level of mastering the package of integrated applied Microsoft Office programs level of mastering automated library and information systems level of mastering the Internet technology formation of creative and innovative components</td>
</tr>
<tr>
<td>Value and motivation</td>
<td>value</td>
<td>formation of patterns of cultural behaviour in the electronic environment formation of positive attitudes to information technology formation of positive attitudes to the application of information technology in the library formation of the desire for professional development self-esteem of a specialist</td>
</tr>
</tbody>
</table>

The model implementation suggests the following stages of experimental work:
- diagnostics of levels of cognitive, activity and creativity, value and motivation competencies of librarians.
- development of a training programme “The basics of information competence of a library specialist” for continuing education courses.

Table 2. Average statistical distribution of competencies in the model

<table>
<thead>
<tr>
<th>The list of competencies</th>
<th>National library named after S.G. Chavain</th>
<th>Libraries of the city of Yoshkar-Ola</th>
<th>Library system of Novotorya</th>
<th>Library system of Orshanka</th>
<th>Library system of Man-Turek</th>
<th>Library system of Zvenigorod</th>
<th>Library system of Stermur</th>
<th>The average distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knowledge of computer science and information technology</td>
<td>10,5</td>
<td>33,3</td>
<td>20,5</td>
<td>14</td>
<td>20,5</td>
<td>28,33</td>
<td>27,33</td>
<td>26</td>
</tr>
<tr>
<td>Understanding the basic concepts and terminology of computer science and information technology</td>
<td>7</td>
<td>29</td>
<td>20,5</td>
<td>14,33</td>
<td>27</td>
<td>19</td>
<td>24</td>
<td>23</td>
</tr>
<tr>
<td>The list of competencies</td>
<td>National library named after S.G. Chavain</td>
<td>Libraries of the city of Yoshkar-Ola</td>
<td>Library system of Kirovskiy</td>
<td>Library system of Orshanka</td>
<td>Library system of Mari-Turek</td>
<td>Library system of Zvenigovo</td>
<td>Library system of Kilymary</td>
<td>Library system of Sernur</td>
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</tr>
<tr>
<td>Understanding information theory and changes in the library and information activities caused by the development of the information society</td>
<td>4,5</td>
<td>28,33</td>
<td>16,5</td>
<td>21,66</td>
<td>28,33</td>
<td>29</td>
<td>25,33</td>
<td>23</td>
</tr>
<tr>
<td>Knowledge of complex problems and development prospects of library informatization</td>
<td>2,5</td>
<td>27,33</td>
<td>16,5</td>
<td>22</td>
<td>31</td>
<td>32</td>
<td>27,33</td>
<td>27,33</td>
</tr>
<tr>
<td>Knowledge of complex problems of globalization of the information society</td>
<td>7,5</td>
<td>29,33</td>
<td>17,5</td>
<td>23</td>
<td>29,33</td>
<td>34</td>
<td>35</td>
<td>33,33</td>
</tr>
<tr>
<td>Knowledge of basic principles and requirements of copyright and information laws</td>
<td>16</td>
<td>27,66</td>
<td>25</td>
<td>17,66</td>
<td>20,33</td>
<td>12</td>
<td>16</td>
<td>17,33</td>
</tr>
<tr>
<td>Library planning (the ability to assess needs in the development of automated systems)</td>
<td>6,5</td>
<td>20,33</td>
<td>4,5</td>
<td>4,33</td>
<td>17,66</td>
<td>13</td>
<td>12</td>
<td>11</td>
</tr>
<tr>
<td>The use of computer programs for word processing, graphics, tables, etc.</td>
<td>17</td>
<td>17,66</td>
<td>15</td>
<td>11,66</td>
<td>24,33</td>
<td>27,33</td>
<td>28,33</td>
<td>29,33</td>
</tr>
<tr>
<td>The list of competencies</td>
<td>National library named after S.G. Chavain</td>
<td>Libraries of the city of Yoshkar-Ola</td>
<td>Library system of Novoaryut</td>
<td>Library system of Orshanka</td>
<td>Library system of Mari-Turek</td>
<td>Library system of Zvenigovo</td>
<td>The average distribution</td>
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</tr>
<tr>
<td>Electronic cataloging</td>
<td>5</td>
<td>27,33</td>
<td>21</td>
<td>16</td>
<td>5</td>
<td>4</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Electronic publications cataloging</td>
<td>6</td>
<td>17,66</td>
<td>5,5</td>
<td>6</td>
<td>25</td>
<td>14</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>Assistance to users with electronic search for bibliographic information</td>
<td>14</td>
<td>16,33</td>
<td>13</td>
<td>11,33</td>
<td>16,33</td>
<td>18,66</td>
<td>16,66</td>
<td></td>
</tr>
<tr>
<td>Assistance to users with electronic search for factual information</td>
<td>15</td>
<td>16,66</td>
<td>14</td>
<td>12,33</td>
<td>11,33</td>
<td>7,33</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Providing with automated cataloging</td>
<td>8</td>
<td>19,66</td>
<td>6</td>
<td>7,33</td>
<td>20</td>
<td>16</td>
<td>19,66</td>
<td></td>
</tr>
<tr>
<td>Design and maintenance of databases</td>
<td>12,5</td>
<td>15,33</td>
<td>9</td>
<td>9,66</td>
<td>32</td>
<td>11</td>
<td>19</td>
<td></td>
</tr>
<tr>
<td>Use and management of automated library information systems (MARC-SQL)</td>
<td>9</td>
<td>7</td>
<td>9</td>
<td>10</td>
<td>6,33</td>
<td>7,66</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Application of the integrated applied package of Microsoft Office programmes (Word, Excel, Power Point etc.)</td>
<td>19</td>
<td>6,33</td>
<td>14,5</td>
<td>14</td>
<td>10</td>
<td>16,66</td>
<td>9,66</td>
<td></td>
</tr>
<tr>
<td>Use of the Internet</td>
<td>19</td>
<td>9,33</td>
<td>14,5</td>
<td>14,33</td>
<td>7</td>
<td>11</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Use of electronic mail</td>
<td>22,5</td>
<td>10,33</td>
<td>18</td>
<td>17</td>
<td>15</td>
<td>12</td>
<td>10,33</td>
<td></td>
</tr>
<tr>
<td>Use of Web 2.0 technologies (blogs, social networking, mailing etc.)</td>
<td>24</td>
<td>27,33</td>
<td>24</td>
<td>12,33</td>
<td>21,33</td>
<td>27,33</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>Use of technical facilities (fax, photocopy, projector)</td>
<td>25</td>
<td>13,66</td>
<td>23,5</td>
<td>21,33</td>
<td>23,5</td>
<td>19,66</td>
<td>17,66</td>
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<tr>
<td>The average distribution</td>
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</tbody>
</table>
Table 2. Continued.

<table>
<thead>
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<th>Library system of Zvenigovo</th>
<th>Library system of Sernur</th>
<th>The average distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knowledge of electronic information sources</td>
<td>18</td>
<td>16.33</td>
<td>16.5</td>
<td>17</td>
<td>19</td>
<td>23</td>
<td>22.5</td>
<td>25</td>
</tr>
<tr>
<td>Ability to use internal and external electronic resources</td>
<td>24.5</td>
<td>12.33</td>
<td>13</td>
<td>15</td>
<td>24.5</td>
<td>22.33</td>
<td>24</td>
<td>27.33</td>
</tr>
<tr>
<td>Transfer of the fund to electronic formats</td>
<td>24.5</td>
<td>14.66</td>
<td>23</td>
<td>22</td>
<td>17.66</td>
<td>20.33</td>
<td>23</td>
<td>26</td>
</tr>
<tr>
<td>Development of computerized information retrieval skills</td>
<td>16</td>
<td>9.66</td>
<td>14.5</td>
<td>16.66</td>
<td>15</td>
<td>18</td>
<td>16</td>
<td>13.66</td>
</tr>
<tr>
<td>Design and participation in information systems and networks</td>
<td>22.5</td>
<td>26.33</td>
<td>17</td>
<td>18.66</td>
<td>19</td>
<td>24</td>
<td>32.33</td>
<td>34</td>
</tr>
<tr>
<td>Ability for group activities in terms of the use of modern information technologies</td>
<td>23.5</td>
<td>19</td>
<td>17</td>
<td>19</td>
<td>19.33</td>
<td>20</td>
<td>22</td>
<td>21</td>
</tr>
<tr>
<td>Combination of traditional and new IT</td>
<td>17</td>
<td>8</td>
<td>9</td>
<td>14</td>
<td>9</td>
<td>18</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Openness to innovations in information technologies</td>
<td>30.5</td>
<td>19</td>
<td>22.5</td>
<td>23.33</td>
<td>30.5</td>
<td>31.5</td>
<td>30.33</td>
<td>31.5</td>
</tr>
<tr>
<td>Creativity in the application of information technologies in professional activities</td>
<td>31.5</td>
<td>14.33</td>
<td>26.5</td>
<td>26.33</td>
<td>32</td>
<td>26</td>
<td>31</td>
<td>17</td>
</tr>
<tr>
<td>Ability to apply their knowledge and experience in the field of information technology quickly and flexibly to solve practical problems</td>
<td>21</td>
<td>10</td>
<td>20</td>
<td>22.33</td>
<td>20</td>
<td>24</td>
<td>17</td>
<td>22</td>
</tr>
<tr>
<td>Adoption of values of the information society</td>
<td>32.5</td>
<td>12.66</td>
<td>27.5</td>
<td>28.33</td>
<td>32.33</td>
<td>30.66</td>
<td>30.66</td>
<td>32.5</td>
</tr>
</tbody>
</table>
Table 2. Continued.

<table>
<thead>
<tr>
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<th>Library system of Kilemary</th>
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<th>Library system of Sernur</th>
<th>The average distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adherence to the norms of ethics and social behaviour in the electronic environment</td>
<td>28,5</td>
<td>21,66</td>
<td>28,5</td>
<td>29,33</td>
<td>29,33</td>
<td>28,5</td>
<td>27</td>
<td>33</td>
</tr>
<tr>
<td>Motivation for the development of information competence</td>
<td>26</td>
<td>15</td>
<td>27</td>
<td>27,33</td>
<td>24</td>
<td>25</td>
<td>26,33</td>
<td>22,5</td>
</tr>
<tr>
<td>Desire to overcome psychological barriers when working with computer</td>
<td>31</td>
<td>16,33</td>
<td>31</td>
<td>30,33</td>
<td>26,5</td>
<td>17</td>
<td>23,5</td>
<td>17</td>
</tr>
<tr>
<td>Ability to assess adequately their own professional capabilities in the field of information technology</td>
<td>31</td>
<td>15</td>
<td>30</td>
<td>31,66</td>
<td>32</td>
<td>26</td>
<td>31</td>
<td>22</td>
</tr>
</tbody>
</table>

The monitoring data have shown that library specialists realize the relevance of improving information competence as an essential element of professional development of a modern librarian in the information society. The majority of respondents (62%) believe that the information competence is an important part of professional development. 57% of respondents note that the level of information competence will determine the quality of professional work of a librarian in the future. At the same time, it should be noted that there is a group of librarians (38%) who deny the importance of the development of information competence. It is possible to conclude a double perception of this phenomenon. This indicates a problem situation in the libraries, but at the same time it is also an indirect confirmation of the relevance of theoretical understanding and the study of experience of libraries in the formation of information competence.

The level of competence was rated on a scale of 1 to 5: “1” - the lack of competence; “2” - a low level; “3” - an average level; “4” - a sufficient level; “5” - a high level. Three levels of development of information competence were identified: high, average and low. To analyze the results, the differentiation of levels was adopted with respect to the arithmetic mean of indicators: low - from 0 to 2; average - from 2 to 4; high - from 4 to 5.

Such competencies as: “the use and management of automated library and information systems”, “a combination of traditional and new information technology”, “library planning (ability to assess the need for the development of...”
automated systems)”, “e-cataloging”, “cataloging of electronic publications”, “the
Internet use”, “the use of integrated applied package of Microsoft Office
programmes”, “the use of e-mail”, “the development of computerized information
retrieval skills”, “assistance to users with searching bibliographic information
electronically” are ranked highest.

Analysis of the results of the ranking of competencies that characterize the
informational competence has led to the following conclusions.

Firstly, we can state a clear predominance of the practice-oriented
competencies over theoretical ones. Secondly, the list of competencies reflects
the main areas of application of information technology in the library and is the
basis for the development of information competence of a library specialist.
Thirdly, consistent and targeted study of these competencies makes it possible to
measure the level of information competence, to solve the problems of its
formation, support and correction, i.e. to create an effective system of
information competence development.

The diagnosis of information competence level has identified problem areas
in the components of information competence:

- The results of analysis data describing the cognitive component show that
60% of librarians have theoretical knowledge at a low level; 28% - at an average
level and 12% - at a high level. The poor theoretical base characterizes mainly
rural librarians. It is caused by a small number of specialists with professional
education (9% - with higher education and 36% - with secondary vocational
education). The normative criterion causes a particular problem: 50% of
respondents have a low legal culture (for example, librarians do not consider
infringement of copyrights as a problem);

- Data describing the activity and creativity component indicate that such
competency as “mastering application software” takes the leading place. The
level of mastering was measured on a scale of 1 to 5. The level of mastering
application software appeared to be low: MS Word - 3,8; MS Excel - 3,2; MS
Power Point - 3,5; other programs of MS Office - 1.3; the Internet - 2.4; MARC-
SQL - 1,7; office equipment skills - 3.4. The data show that the highest rates are
due to the fact that librarians often use these programs not only in their
professional activity, but also to meet their personal information needs. One of
the lowest rates is typical of the block “Work with MARC-SQL”. The reason for
this is the fact that in most of the libraries ALIS was installed in 2011 and
employees are at the initial stage of learning the automated library system.
Based on these data we can predict the positive dynamics of the level of
mastering ALIS as its use will only grow. Interdependence between information
competence development and creative component has been confirmed (61% of
respondents have confirmed that the growth of information competence is
accompanied by creativity).

- Data describing the value and motivation component indicate the presence
of two basic motives that stimulate the development of information competence
of library specialists: “the improvement of professionalism”, “the enhancement of
self-esteem”.

Data analysis has allowed us to identify the complex of motives that
influence library specialists who use information technology.
It should be noted that every third respondent has psychological barriers when dealing with information technology (42% of respondents experience severe computer anxiety, 35% sometimes experience psychological difficulties and 23% don't experience any difficulties).

The factors contributing to the development of information competence (good computer technology, colleagues' high level of mastering computer technology, monetary incentives, i.e. external factors to stimulate activity) and the factors constraining the development of information competence (the lack of theoretical knowledge, the imperfection of computer technology, inadequate methodological work and the lack of training courses) have been identified.

Identification of the motivation that encourages librarians to improve the level of information competence makes it possible to determine the following patterns: the regulation of the process of development of information competence can reduce computer anxiety, the process of librarians' psychological adaptation to introduction of information technology and, ultimately, increase the efficiency of the library as a whole.

Thus, the process and the results of experimental work performed to check the effectiveness of the model of information competence of a library and information specialist indicate that the test librarians have the properties and skills which constitute information competency of a library specialist. Nevertheless, the level of information competence of the librarians of the Republic of Mari El is low: most of the librarians have a low (42%) and an average level (43%) of information competence. Only 12% of respondents have a high level of information competence.

In addition, the poor technical equipment of libraries leads to the fact that the knowledge of information technology remains of low demand. The problem of raising the level of information competence is solved through self-education. Information competence should be inherent not only in individual experts, but also in all the staff of the library. Therefore, the process of formation and development of information competence should be goal-oriented and systematic.

Discussion and Conclusion


The results of empirical research on the development of information competence of specialists in the libraries of educational institutions are presented in the works of L. A. Ulieva (2008), R. A. Chuchukalova (2010) and others.

After analyzing different scientific approaches to the studied concept, we have come to the conclusion that the information competence of a library specialist is professionally significant personal quality, which manifests itself in the ability to deal effectively with the social and professional tasks with the help of information and communication technologies, to develop their information technology skills, to adapt professional knowledge to the changing environment of the information society.

The paper is of practical value for specialists and managers of library and information institutions; for specialists of libraries and other cultural institutions for their self-education and practice; centers for advanced training and retraining of specialists of library and cultural institutions; for specialists of cultural institutions engaged in recruitment.

Implications and Recommendations

The developed approaches offer a number of scientific issues for further research: generalization of scientific and methodological experience (including foreign experience) in the development of professional knowledge and skills of library specialists that form the basis of information competence; further development of methods for determining the criteria and indicators, other indicators of information competence of a library specialist; improving the process of development of information competence of a library specialist on the basis of other theoretical and methodological approaches.

To develop information competence of a library specialist which implies not only the mastery of information technology and their professional implementation in library activities, a new outlook focused on the solution of individual tasks and facilitated the success of the library as a whole is required. The development of information competence of a library specialist includes:

- additional training in the system of higher and postgraduate education focused on learning new information technology;
- specialized courses on the basics of information competence;
- self-education as a way of individual adaptation of a specialist to the new professional duties.

The practical result of the study is the author's training programme “The basics of information competence of a library specialist” for continuing education courses, the purpose of which is the formation of information competence of a library specialist as an important condition for professional development in modern society.

The course aims at solving the following problems:

- to form information outlook (the system of views on the world of information and an individual's place in it);
- to form theoretical ideas about the basics of computer science and information technology, the basics of copyright and information laws;
- to provide knowledge and skills of modern information technology necessary for the practice of a library specialist.

Distinctive features of the course are its interdisciplinary nature, practical-oriented training, modularity of material presentation.
The course consists of the following modules: 1. Information competence and modern society; 2. Library and Information Technology; 3. The package of integrated Microsoft Office applications; 4. ALIS «MARC-SQL»; 5. The Internet in the library activity; 6. Information technology and creativity.

The whole course or its modules in the system of advanced training of library specialists contribute to understanding the essence of information competence, give an idea of the level of information competence of a librarian and help determine the ways of its further improvement.

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