APPENDIX

Mehaboobullah K. “Impact of information and communication technology (ICT) in information seeking and enrichment of researchers in universities in Kerala” Thesis. Department of Library and Information Science, University of Calicut, 2012
QUESTIONNAIRE

Dear Sir/ Madam,

This questionnaire is intended to collect data/ suggestions regarding the Impact of Information and Communication Technology (ICT) in Information Seeking and Enrichment of Researchers in Universities in Kerala, in connection with Ph D programme undertaken by me in the University of Calicut. I seek your valuable co-operation and help in obtaining the necessary information. I request you to kindly fill up the questionnaire with care and accuracy. On completion, you may please forward this to the undersigned, on the below given address.

Mehaboobullah.K
Research Scholar
Dept. of Library and Information Science
Calicut University.
Mob.9446684116

A. GENERAL INFORMATION

1. Name of the University:

2. Name of the Researcher:

3. Please tick the box which best describe your category:

Science □ Non Science □

4. Gender (Please tick the appropriate box): Male □ Female □

5. Age (Please tick the appropriate box): 20-24 □ 25-30 □ 31-35 □ 36-40 □ Above 41 □

6. How long you have been doing your Research: ----------- Years
7. Present stage of the research:

Beginning □ Data Collection □

Analysis □ Report writing □

B. USE OF ICT BASED INFORMATION RESOURCES /DEVICES/TOOLS/SERVICES

1. Do you use any of the following ICT based information sources/devices/Resources/tools/services for your information requirement. (Please tick all that you use).

<table>
<thead>
<tr>
<th>S.I No</th>
<th>Tools/Devices/Resources/Services</th>
<th>Please Tick</th>
<th>S.I No</th>
<th>Tools/Devices/Resources/Services</th>
<th>Please Tick</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Internet</td>
<td></td>
<td>6</td>
<td>Mobile phone</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Infonet</td>
<td></td>
<td>7</td>
<td>CD-Rom/DVD</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Databases</td>
<td></td>
<td>8</td>
<td>Pendrive</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>E-Books</td>
<td></td>
<td>9</td>
<td>OPAC</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Television</td>
<td></td>
<td>10</td>
<td>Others (Please specify)</td>
<td></td>
</tr>
</tbody>
</table>

2. How frequently do you use the following major information resources and tools for your Information requirement? (Please tick appropriate boxes)

<table>
<thead>
<tr>
<th>S.I No</th>
<th>Tools/Resources</th>
<th>Almost Every Day</th>
<th>Twice in a Week</th>
<th>Once in a Week</th>
<th>Once in a Month</th>
<th>Rarely</th>
<th>Never</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Internet</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Infonet</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Databases</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>OPAC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
C. INTERNET

1. Please mention the services/tools that you make use of Internet. (Please tick all that you use).

<table>
<thead>
<tr>
<th>S.I No</th>
<th>Tools/Devices/Resources/Services</th>
<th>Please Tick</th>
<th>S.I No</th>
<th>Tools/Devices/Resources/Services</th>
<th>Please Tick</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>E-mail</td>
<td></td>
<td>5</td>
<td>Telnet</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Chat</td>
<td></td>
<td>6</td>
<td>ListServe</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>www</td>
<td></td>
<td>7</td>
<td>Others (Please Specify)</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>ftp</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. Please specify the search engines that are regularly used by you. (Please tick the appropriate boxes.)

a) Yahoo □  b) Google □  c) Infoseek □  d) Altavista □
e) Any other (Please specify):

3. Please specify the main purposes of using Internet (Please tick the appropriate boxes.)

a) Research □  b) Recreational □
c) Communication □  d) Job Seeking □
e) Any other (Please specify):

4. From what sources do you get the latest information about websites? (Please tick appropriate boxes)

a) Search Engines □  b) Magazines and Journals □
c) Colleagues and Friends □  d) Newspapers and other media □
e) Any other (Please specify):
5. Are you satisfied with the available information in Internet?
   a) Very satisfied □
   b) Satisfied □
   c) Slightly satisfied □
   d) Not satisfied □

6. Have you published article(s) in any of the Internet portals?
   Yes □
   No □

7. Are you a member of any of the News groups?
   Yes □
   No □

8. Do you have a membership in any of the Mailing lists?
   Yes □
   No □

9. Do you get chances or opportunity to consult with specialists for clarifying the doubts through Internet?
   a) Always □
   b) Sometimes □
   c) Rarely □
   d) Never □

10. Do you send your questionnaire/questions to the respondents through Internet?
    Yes □
    No □

11. Please specify whether you have faced any hindrances while using Internet. (Please tick the appropriate boxes.)
    a) Lack of adequate information □
    b) Information overload □
    c) Lack of infrastructure facility □
    d) Lack of backbone speed □
    e) Any other (Please specify) □
12. How do you rate Internet and its tools in the overall development of your research work?

a) Excellent □ b) Very Good □ c) Good □ d) Poor □

D. UGC-INFONET CONSORTIUM

1. Are you satisfied with the number of e-journals available in the Infonet?

Yes □ No □

2. Do you find the number of terminals provided sufficient?

Yes □ No □

3. Do you find it helpful in your research work?

Yes □ No □

4. Do you get relevant help from the staff while using INFONET service?

Yes □ No □

5. To what extent are you satisfied with the services provided through Infonet centre?

a) Very satisfied □           b) Satisfied □

c) Slightly satisfied □       d) Not satisfied □

6. Please specify the reason(s) for dissatisfaction (Please tick appropriate boxes)

a. Inadequate ICT infrastructure □

b. Lack of relevant information □

c. Lack of trained staff □

d. Lack of user education programmes □
e. Others (Please specify):
E.  SOCIAL NETWORKING SITES

1. Please mention the awareness of the following social networking sites (Please tick all that you are aware).

<table>
<thead>
<tr>
<th>S.I No</th>
<th>Social networking Sites</th>
<th>Please Tick</th>
<th>S.I No</th>
<th>Social networking Sites</th>
<th>Please Tick</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>FaceBook</td>
<td></td>
<td>6</td>
<td>hi5</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Orkut</td>
<td></td>
<td>7</td>
<td>YouTube</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>MySpace</td>
<td></td>
<td>8</td>
<td>Twitter</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Google+</td>
<td></td>
<td>9</td>
<td>Others (Flopper, classmate.com etc.)</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Blog</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. Please tick the most used social networking site from the following list. (Please tick only one box.)

<table>
<thead>
<tr>
<th>S.I No</th>
<th>Social networking Sites</th>
<th>Please Tick</th>
<th>S.I No</th>
<th>Social networking Sites</th>
<th>Please Tick</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>FaceBook</td>
<td></td>
<td>6</td>
<td>hi5</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Orkut</td>
<td></td>
<td>7</td>
<td>YouTube</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>MySpace</td>
<td></td>
<td>8</td>
<td>Twitter</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Google+</td>
<td></td>
<td>9</td>
<td>Others (Flopper, classmate.com etc.)</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Blog</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. How frequently do you use the social networking sites? (Please tick appropriate box)

   a) Every day □
   b) Twice in a week □
   c) Once in a week □
   d) Once in a month □
   e) Less often □

4. What types of information do you communicate through the social networking sites?
a) Sending scraps/ Messages □
b) Meeting and making friends □
c) Posting photograph □
d) Publishing writings □
e) Discussing research subjects □

5. Do you think that social networking sites are helpful for your research work?
   a) Highly helpful □   b) Helpful □
   c) Less Helpful □   d) Not Helpful □

6. What are the main problems faced by you in using social networking sites?
   a) Non availability of Internet facility □
   b) Fear of misusing personal information □
   c) Lack of time □
   d) Lack of authenticity of Information □
   e) Lack of training in the using the sites □

F. SEARCHING METHODS IN ICT BASED RESOURCES
1. What are the purposes of Searching in ICT based resources/services?
   (Please tick appropriate boxes)
   a) Specific Information □
   b) Information in specific subject areas □
   c) Full text article □
   d) Abstracts of articles □

2. How often do you use the following search methods?
(Please tick appropriate boxes)

<table>
<thead>
<tr>
<th>S.I No</th>
<th>Search Methods</th>
<th>Frequency of Use</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Often</td>
</tr>
<tr>
<td>1</td>
<td>Author</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Key word</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Subject</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Journal Title</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Article Title</td>
<td></td>
</tr>
</tbody>
</table>

3. Do you use the following advanced search methods?
   a) Boolean Operators □
   b) Truncation of Search Terms □
   c) Field Search □
   d) Searching with Phrases □

G. ICT APPLICATION AND LIBRARIES

1. Do you feel computerization in the circulation section of library useful as in other sectors of day to day life? (e.g.: Banks, railway etc)
   Yes □ No □

2. Do you feel the computer based circulation procedure as time saving?
   Yes □ No □

3. Are you aware about ICT based information services in your library?
   Yes □ No □
4. Which of the following catalogue do you prefer? (Please tick only one box.)
   a) Card catalogue □  b) OPAC □  c) Web OPAC □

5. To what extent you are satisfied with the application of ICT in your library?
   a) Very satisfied □  b) Satisfied □
   c) Slightly satisfied □  d) Not satisfied □

6. Please specify the reason(s) for dissatisfaction (Please tick appropriate boxes)
   a. Inadequate ICT infrastructure □
   b. You are not trained for using ICT based information resources and services □
   c. Lack of trained library staff □
   d. Rigid ICT rules and policies implemented by the library □
   e. Others (Please specify) □

H. CHANGES THAT ICT BROUGHT IN THE RESEARCH PROCESS

1. Do you find any significant change in speeding up your research process by using ICT based Information resources and services?
   a) Highly significant □  b) Significant □  c) Not significant □

2. In what way have the ICT based information resources/tools improved your research?
   a) Fast research update □
   b) Better co-operation with the colleague □
   e) Easy Information Access □  d) Time saving □
3. What do you feel about your reading habits among printed books, Journals, Newspapers etc?
   a) Increased □
   b) Decreased □
   c) No considerable change □
4. Has any change occurred in your reading habit after the profound use of ICT based resources, services and tools?
   a) Shifted from printed to electronic resources □
   b) Electronic resources to printed resources □
   c) No considerable change □
5. Please mention your preference of reading.
   a) Printed □
   b) Digital □
   c) Both format □

I. TECHNOSTRESS
1. Specify your overall ability of using ICT based resources/services.
   a) Very Good □
   b) Good □
   c) Average □
   c) Below Average □
2. What do you feel while using the ICT based resources/services/tools?
   (Please tick all that you feel).

<table>
<thead>
<tr>
<th>S.I No</th>
<th>Feelings</th>
<th>Please Tick</th>
<th>S.I No</th>
<th>Feelings</th>
<th>Please Tick</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Competency</td>
<td></td>
<td>6</td>
<td>Irritation</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Excitement</td>
<td></td>
<td>7</td>
<td>Intolerance</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Enjoyment</td>
<td></td>
<td>8</td>
<td>Dislike</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Pleasure</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
3. What are the major psychological outcomes/symptoms that cause stress while using ICT based resources and services? (Please tick all that you feel).
   a) Frustration □   b) Enragement □
   c) Annoyance □   d) Anxiety □
   e) Impatience □   f) Perfectionism □

4. What are the major Physical outcomes affected while using ICT based resources and services? (Please tick all that you feel).
   a) Headache □   b) Joint aches □
   c) Tingling and Numbness □   d) Back pain □
   e) Tiredness □

5. What are the major external factors which lead to technological stress (Technostress)? (Please tick all that you feel).
   a) Limited band width □
   b) Poor power Supply □
   c) Frequent Server breakdown □
   d) Lack of enabling environment
      (Restriction for access, fees etc) □

6. What are the major internal factors for your technological stress? (Please tick all that you feel).
   a) Inadequate LAN □
   b) Inadequate workstations □
   c) Lack of ICT policy □
   d) Lack of Training □
   e) Poor maintenance □
7. Please mention the various strategies used for avoiding technostress.
(Please tick all that you do).

<table>
<thead>
<tr>
<th>S.I No</th>
<th>Strategies</th>
<th>Please Tick</th>
<th>S.I No</th>
<th>Strategies</th>
<th>Please Tick</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Listening Music</td>
<td></td>
<td>4</td>
<td>Seeking help from staff</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Rest break during work</td>
<td></td>
<td>5</td>
<td>Managing time</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Meditational Techniques</td>
<td></td>
<td>6</td>
<td>Attending Workshop/Training</td>
<td></td>
</tr>
</tbody>
</table>

8. Do you think technostress can make any impact on your research work?

a) Significant □  b) Slightly significant □

c) Not significant □

J. USER EDUCATION/ TRAINING

1. Which of the following computer education is attained by you? (Please tick only one box.)

a) Informal Training □

b) Attending Short Term Courses □

c) DCA □

d) PGDCA and Above □

2. Do you find your computer education sufficient to handle various ICT based resources/tools/services?

Yes □  No □

3. Do you seek assistance from the staff while using ICT based resources/tools?

Yes □  No □
4. Have you attended any orientation/workshops/user education programmes in Infonet?

Yes □ No □

5. How do you find the user education/training programmes on ICT based resources/services conducted in your university?

a) Adequate □ b) Slightly adequate □

c) Inadequate □

6. Do you think there is a need for more Workshop/Training/Seminar/Orientation programme in ICT based resources and services?

a) Strongly Agree □

b) Agree □

c) Disagree □

7. Which are the areas that you want to incorporate in the training programmes on ICT based resources and services?

a) OPAC/WEB OPAC □

b) Search Strategies □

c) Internet Tools and Techniques □

d) Evaluation of online resources □

e) Use of E-Resources (e-journals, e-books, databases etc.) □

K. Please give your suggestions and comments to improve the ICT based Information resources and services of University Library for your information requirement?