LIBRARY AND INFORMATION SCIENCE COURSES ON SWAYAM: A STUDY

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ABSTRACT:
Massive Open Online Courses (MOOC) are increasing day-by-day. The courses are comparatively cheap, easily available, can completed at home and learner-centric. The courses are often approved as well as offered by various Universities, Govt. bodies, and well-known famous institutions. Ministry of human resource development, Government of India also takes initiative to provide such type of facility at free of cost and developed ‘SWAYAM’ programme. At present there are over 1622 courses on various discipline like Engineering, Education, Management, Language, Humanities, Library and Information Science, Science etc. Among all the 1622 courses only 25 courses are categorized as Library and Information Science. Present study focuses on these courses- their types, enrollments, starting year, credit point, learning path, ratings etc.

KEYWORDS: courses, Library and Information Science, MOOC, SWAYAM.

1. INTRODUCTION
Education system in India is changing simultaneously changing and evolving with improving science and technology. Modern techniques, equipments, teaching-learning material makes learning easy and fruitful. Now-a-days internet has changed total scenario of education system especially in India. Comparing with the scenario of a 70’s or 80’s Indian education system with today’s education system one can simply assume how much the system have changed. There was a mainstream education lineup i.e., the formal school-college system through which, everyone have to pass through. This thing has now also exist but in a modified way. The school based education system is till the backbone but, there are also so many alternatives which are very useful to the needy learners who are lacking in the mainstream education system as well as who are out of the formal education stream. There are so many alternatives like digital content, online lectures, videos, various online courses etc. Among them one of the important parallel learning paths is MOOC (Massive Open Online Course). The courses are comparatively cheap, easily available, can completed at home and learner-centric. One can choose his/her course according to his need. The courses are often approved as well as offered by various Universities, Govt. bodies, and well-known famous institutions. So, such types of courses are sometime as valuable as similar formal course. Learners enrolled themselves in such courses and that is why MOOC courses are getting huge popularity day-by-day.

After a huge success of MOOC, various Universities, Govt. bodies, and well-known famous institutions started offering such type of courses. And a step towards ‘Digital India’ the Government of India also takes initiative to provide such type of facility at free of cost. So, ministry of human resource development, Government of India develop ‘SWAYAM’ programme keeping the youth generation of India in
Mind. Swayam is a Sanskrit word which means ‘self’. The name is very significant as one can easily enrolled in the course at home. The only necessary thing is internet. Network service providers are providing hi-speed internet facility at a very affordable price today. The courses can easily be completed on smart phones. Now the ‘swayam’ app is launched which makes things very easy for a learner.

There are basically four aspects of the courses are – School Education, Out of school Education, Undergraduate Education, Postgraduate Education. SWAYAM provides a long range of courses in various fields. In each field, there are so many courses depending on the level of the learner. The learning paths are-School, certificate, diploma, Undergraduate and Postgraduate. At present there are over 1600 courses on various fields offered by various universities, IITs, IIITs, IIMs, IIsc, IGNOU, NIOS, and more.

2. OBJECTIVE OF THE STUDY

Present study is focused on ‘Library and Information Science’ courses available on Swayam. The Purpose of the study is as follows –
- How many courses are there on this discipline?
- How many candidates are enrolled?
- Characteristics of the courses.
- Ratings of the courses.

3. METHODOLOGY

To get information I have visited official website of SWAYAM i.e. https://www.swayam.gov.in/ on 2nd November 2018. When all courses were searched, a total of 1622 courses appeared categorized under 15 categories. Then in categories, Library and Information Science was clicked and the results were analyzed. A screenshot has given aside.

FIGURE 1: SCREENSHOT OF SEARCH RESULTS OF ALL SWAYAM COURSES

4.1.1. FINDING I:

25 courses were found on the discipline ‘library and information science’. Among them 7 were designed for certificate level learner, 1 for school level, 1 for Undergraduate level and 16 for postgraduate level. No diploma level course was found on the specific discipline. Following table shows the distribution of 25 courses according to learning path.
4.1.2. ANALYSIS:
Maximum courses were designed for postgraduate and certificate level while, a few for school level and Undergraduate level.

4.2.1. FINDING II:
The 25 courses were offered by six different institutions - Indian Statistical Institute, Indira Gandhi National Open University, INFLIBNET Centre Gandhinagar, Jamia Millia Islamia, National Institute Of Technical Teachers Training and Research – Chennai and NIOS. The distribution is as follows –

4.2.2. ANALYSIS:
More than half of the courses were offered by INFLIBNET Centre Gandhinagar.

4.3.1. FINDING III:
Among the 25 courses, 19 courses have credits of 3-5; while, 6 courses have no credit.
4.3.2. ANALYSIS:
Most of the courses have credit points.

4.4.1. FINDING IV:
Among the 25 courses 2 were started in 2016, 10 were started in 2017 and 13 were started in 2018. As the data was collected on 02.11.2018 so, there may be more courses be added in this discipline until the end of 2018.

4.4.2. ANALYSIS:
With the passing of time, amount of courses are increasing.
4.5.1. FINDING V:
Following table shows the enrollment number of candidates of the 25 courses.

<table>
<thead>
<tr>
<th>Sl no.</th>
<th>Name of the course</th>
<th>Offered by</th>
<th>learning path</th>
<th>enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Management Of Libraries And Information Centres And Knowledge Centres</td>
<td>INFLIBNET Centre Gandhinagar</td>
<td>PG</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Digital Libraries</td>
<td>INFLIBNET Centre Gandhinagar</td>
<td>PG</td>
<td>680</td>
</tr>
<tr>
<td>3</td>
<td>Library Automation And Digitisation</td>
<td>IGNOU</td>
<td>Certificate</td>
<td>2816</td>
</tr>
<tr>
<td>4</td>
<td>Advertising And Public Relations</td>
<td>Jamia Millia Islamia</td>
<td>Undergraduate</td>
<td>4868</td>
</tr>
<tr>
<td>5</td>
<td>Information Sources And Library Services</td>
<td>IGNOU</td>
<td>Certificate</td>
<td>1418</td>
</tr>
<tr>
<td>6</td>
<td>Digital Library</td>
<td>INFLIBNET Centre Gandhinagar</td>
<td>PG</td>
<td>2117</td>
</tr>
<tr>
<td>7</td>
<td>Scientometrics</td>
<td>INFLIBNET Centre Gandhinagar</td>
<td>PG</td>
<td>297</td>
</tr>
<tr>
<td>8</td>
<td>Information Storage And Retrieval</td>
<td>Indian Statistical Institute</td>
<td>PG</td>
<td>337</td>
</tr>
<tr>
<td>9</td>
<td>Knowledge Society</td>
<td>IGNOU</td>
<td>Certificate</td>
<td>331</td>
</tr>
<tr>
<td>10</td>
<td>Information And Communication Technology For Libraries</td>
<td>INFLIBNET Centre Gandhinagar</td>
<td>PG</td>
<td>708</td>
</tr>
<tr>
<td>11</td>
<td>Information Sources System And Services</td>
<td>INFLIBNET Centre Gandhinagar</td>
<td>PG</td>
<td>445</td>
</tr>
<tr>
<td>12</td>
<td>Management Of Libraries And Information Centres &amp; Knowledge Centres</td>
<td>INFLIBNET Centre Gandhinagar</td>
<td>PG</td>
<td>537</td>
</tr>
<tr>
<td>13</td>
<td>Document Processing And Organisation</td>
<td>IGNOU</td>
<td>Certificate</td>
<td>1159</td>
</tr>
<tr>
<td>14</td>
<td>Database And Content Organisation</td>
<td>IGNOU</td>
<td>Certificate</td>
<td>1703</td>
</tr>
<tr>
<td>15</td>
<td>Library Automation And Digitisation</td>
<td>IGNOU</td>
<td>Certificate</td>
<td>1840</td>
</tr>
<tr>
<td>16</td>
<td>Information Sources And Library Services</td>
<td>IGNOU</td>
<td>Certificate</td>
<td>881</td>
</tr>
<tr>
<td>17</td>
<td>Senior Secondary:Library &amp; Information Science</td>
<td>NIOS</td>
<td>School</td>
<td>479</td>
</tr>
<tr>
<td>18</td>
<td>Information Storage And Retrieval</td>
<td>Indian Statistical Institute</td>
<td>PG</td>
<td>628</td>
</tr>
<tr>
<td>19</td>
<td>Information And Communication Technology For Libraries</td>
<td>INFLIBNET Centre Gandhinagar</td>
<td>PG</td>
<td>863</td>
</tr>
<tr>
<td>20</td>
<td>Bibliometrics And Scientometrics</td>
<td>INFLIBNET Centre Gandhinagar</td>
<td>PG</td>
<td>285</td>
</tr>
<tr>
<td>21</td>
<td>Management Of Libraries And Information Centres &amp; Knowledge Centres</td>
<td>INFLIBNET Centre Gandhinagar</td>
<td>PG</td>
<td>445</td>
</tr>
<tr>
<td>22</td>
<td>Information Sources System And Services</td>
<td>INFLIBNET Centre Gandhinagar</td>
<td>PG</td>
<td>313</td>
</tr>
<tr>
<td>23</td>
<td>Knowledge Society</td>
<td>INFLIBNET Centre Gandhinagar</td>
<td>PG</td>
<td>383</td>
</tr>
<tr>
<td>24</td>
<td>Digital Library</td>
<td>INFLIBNET Centre Gandhinagar</td>
<td>PG</td>
<td>1001</td>
</tr>
<tr>
<td>25</td>
<td>E-content development</td>
<td>National Institute Of Technical Teachers Training and Research - Chennai</td>
<td>Certificate</td>
<td>4511</td>
</tr>
</tbody>
</table>

Total enrollment and average number of enrollment per course are tabulated below -
TABLE 2: TOTAL ENROLLMENT AND AVERAGE NUMBER OF ENROLLMENT PER COURSE

<table>
<thead>
<tr>
<th>learning path</th>
<th>No. of course offered</th>
<th>Total no. of enrollment</th>
<th>average</th>
</tr>
</thead>
<tbody>
<tr>
<td>certificate</td>
<td>7</td>
<td>14328</td>
<td>2047</td>
</tr>
<tr>
<td>school</td>
<td>1</td>
<td>479</td>
<td>479</td>
</tr>
<tr>
<td>Undergraduate</td>
<td>1</td>
<td>4868</td>
<td>4868</td>
</tr>
<tr>
<td>Postgraduate</td>
<td>16</td>
<td>9370</td>
<td>586</td>
</tr>
</tbody>
</table>

As there was only one course in school level and Undergraduate level so, it is not satisfactory and 100% correct to compare them with certificate or Postgraduate level courses. The graph provided below shows the comparison of enrollment between certificate and Postgraduate level courses.

Figure 6: comparison of enrollment between certificate and Postgraduate level courses

4.5.2. ANALYSIS:

Highest number of candidates got enrolled in certificate level courses and lowest number of candidates got enrolled in school level courses. In case of, average no. of enrollment per course- the highest number is of Undergraduate level course and the second highest is certificate level course. It can also be said that certificate level courses are more popular than the Postgraduate courses.

4.6.1. FINDING VI:

There is a rating option in each course so that, candidates can rate the course 1 to 5. Rating is not mandatory and kept as an optional. Among the 25 courses, two remain unrated. Highest number of candidates (143) rated ‘Library Automation and Digitisation’ course.
### TABLE 3: TOTAL REVIEWS, ENROLLMENT AND % OF Raters OF THE COURSES

<table>
<thead>
<tr>
<th>Sl no.</th>
<th>Name of the course</th>
<th>No. of candidates gave rating</th>
<th>enrollment</th>
<th>% of raters</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Management Of Libraries And Information Centres And Knowledge Centres</td>
<td>0</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>2</td>
<td>Digital Libraries</td>
<td>28</td>
<td>680</td>
<td>4.12</td>
</tr>
<tr>
<td>3</td>
<td>Library Automation And Digitisation</td>
<td>143</td>
<td>2816</td>
<td>5.08</td>
</tr>
<tr>
<td>4</td>
<td>Advertising And Public Relations</td>
<td>20</td>
<td>4868</td>
<td>0.41</td>
</tr>
<tr>
<td>5</td>
<td>Information Sources And Library Services</td>
<td>27</td>
<td>1418</td>
<td>1.90</td>
</tr>
<tr>
<td>6</td>
<td>Digital Library</td>
<td>19</td>
<td>2117</td>
<td>0.90</td>
</tr>
<tr>
<td>7</td>
<td>Scientometrics</td>
<td>9</td>
<td>297</td>
<td>3.03</td>
</tr>
<tr>
<td>8</td>
<td>Information Storage And Retrieval</td>
<td>5</td>
<td>337</td>
<td>1.48</td>
</tr>
<tr>
<td>9</td>
<td>Knowledge Society</td>
<td>1</td>
<td>331</td>
<td>0.30</td>
</tr>
<tr>
<td>10</td>
<td>Information And Communication Technology For Libraries</td>
<td>7</td>
<td>708</td>
<td>0.99</td>
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<tr>
<td>11</td>
<td>Information Sources System And Services</td>
<td>2</td>
<td>445</td>
<td>0.45</td>
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<tr>
<td>12</td>
<td>Management Of Libraries And Information Centres &amp; Knowledge Centres</td>
<td>5</td>
<td>537</td>
<td>0.93</td>
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<tr>
<td>13</td>
<td>Document Processing And Organisation</td>
<td>17</td>
<td>1159</td>
<td>1.47</td>
</tr>
<tr>
<td>14</td>
<td>Database And Content Organisation</td>
<td>18</td>
<td>1703</td>
<td>1.06</td>
</tr>
<tr>
<td>15</td>
<td>Library Automation And Digitisation</td>
<td>82</td>
<td>1840</td>
<td>4.46</td>
</tr>
<tr>
<td>16</td>
<td>Information Sources And Library Services</td>
<td>27</td>
<td>881</td>
<td>3.06</td>
</tr>
<tr>
<td>17</td>
<td>Senior Secondary:Library &amp; Information Science</td>
<td>3</td>
<td>479</td>
<td>0.62</td>
</tr>
<tr>
<td>18</td>
<td>Information Storage And Retrieval</td>
<td>7</td>
<td>628</td>
<td>1.11</td>
</tr>
<tr>
<td>19</td>
<td>Information And Communication Technology For Libraries</td>
<td>8</td>
<td>863</td>
<td>0.92</td>
</tr>
<tr>
<td>20</td>
<td>Bibliometrics And Scientometrics</td>
<td>5</td>
<td>285</td>
<td>1.75</td>
</tr>
<tr>
<td>21</td>
<td>Management Of Libraries And Information Centres &amp; Knowledge Centres</td>
<td>4</td>
<td>445</td>
<td>0.90</td>
</tr>
<tr>
<td>22</td>
<td>Information Sources System And Services</td>
<td>0</td>
<td>313</td>
<td>0.00</td>
</tr>
<tr>
<td>23</td>
<td>Knowledge Society</td>
<td>1</td>
<td>383</td>
<td>0.26</td>
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<tr>
<td>24</td>
<td>Digital Library</td>
<td>13</td>
<td>1001</td>
<td>1.30</td>
</tr>
<tr>
<td>25</td>
<td>E-Content Development</td>
<td>25</td>
<td>4511</td>
<td>0.55</td>
</tr>
</tbody>
</table>

Here, % of raters = \( \frac{\text{No of candidates gave rating}}{\text{enrollment}} \times 100 \)

The graph presented below represents the no. of courses vs % of raters.
4.6.2. ANALYSIS:
In 13 courses, less than 1% of the enrolled candidate had rated the course.

4.7.1. FINDING VII:
Ratings of the courses were as below –

**TABLE 4: RATINGS OF THE COURSES**

<table>
<thead>
<tr>
<th>Sl no.</th>
<th>Name of the course</th>
<th>rating</th>
<th>rater</th>
<th>path</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Senior Secondary: Library &amp; Information Science</td>
<td>4</td>
<td>3</td>
<td>School</td>
</tr>
<tr>
<td>2</td>
<td>Advertising And Public Relations</td>
<td>4.7</td>
<td>20</td>
<td>UG</td>
</tr>
<tr>
<td>3</td>
<td>Database And Content Organisation</td>
<td>4.7</td>
<td>18</td>
<td>Certificate</td>
</tr>
<tr>
<td>4</td>
<td>e-content development</td>
<td>4.7</td>
<td>25</td>
<td>Certificate</td>
</tr>
<tr>
<td>5</td>
<td>Library Automation And Digitisation</td>
<td>4.4</td>
<td>143</td>
<td>Certificate</td>
</tr>
<tr>
<td>6</td>
<td>Document Processing And Organisation</td>
<td>4.4</td>
<td>17</td>
<td>Certificate</td>
</tr>
<tr>
<td>7</td>
<td>Information Sources And Library Services</td>
<td>4.3</td>
<td>27</td>
<td>Certificate</td>
</tr>
<tr>
<td>8</td>
<td>Library Automation And Digitisation</td>
<td>4.3</td>
<td>82</td>
<td>Certificate</td>
</tr>
<tr>
<td>9</td>
<td>Information Sources And Library Services</td>
<td>4</td>
<td>27</td>
<td>Certificate</td>
</tr>
<tr>
<td>10</td>
<td>Management Of Libraries And Information Centres &amp; Knowledge Centres</td>
<td>5</td>
<td>5</td>
<td>PG</td>
</tr>
<tr>
<td>11</td>
<td>Information Sources System And Services</td>
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<td>2</td>
<td>PG</td>
</tr>
<tr>
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<td>Knowledge Society</td>
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<td>1</td>
<td>PG</td>
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<td>Scientometrics</td>
<td>4.8</td>
<td>9</td>
<td>PG</td>
</tr>
<tr>
<td>14</td>
<td>Digital Libraries</td>
<td>4.6</td>
<td>28</td>
<td>PG</td>
</tr>
<tr>
<td>15</td>
<td>Information And Communication Technology For Libraries</td>
<td>4.6</td>
<td>8</td>
<td>PG</td>
</tr>
<tr>
<td>16</td>
<td>Information And Communication Technology For Libraries</td>
<td>4.6</td>
<td>7</td>
<td>PG</td>
</tr>
<tr>
<td>No.</td>
<td>Course</td>
<td>Rating</td>
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<td>Level</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------------------------------------------</td>
<td>--------</td>
<td>-------</td>
<td>-------</td>
</tr>
<tr>
<td>17</td>
<td>Digital Library</td>
<td>4.4</td>
<td>19</td>
<td>PG</td>
</tr>
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<td>18</td>
<td>Information Storage And Retrieval</td>
<td>4.4</td>
<td>5</td>
<td>PG</td>
</tr>
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<td>19</td>
<td>Digital Library</td>
<td>4.2</td>
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<td>20</td>
<td>Information Storage And Retrieval</td>
<td>4</td>
<td>7</td>
<td>PG</td>
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<tr>
<td>21</td>
<td>Management Of Libraries And Information Centres &amp; Knowledge Centres</td>
<td>3.8</td>
<td>4</td>
<td>PG</td>
</tr>
<tr>
<td>22</td>
<td>Bibliometrics And Scientometrics</td>
<td>3</td>
<td>5</td>
<td>PG</td>
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<tr>
<td>23</td>
<td>Knowledge Society</td>
<td>3</td>
<td>1</td>
<td>PG</td>
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<tr>
<td>24</td>
<td>Information Sources System And Services</td>
<td>0</td>
<td>0</td>
<td>PG</td>
</tr>
<tr>
<td>25</td>
<td>Management Of Libraries And Information Centres And Knowledge Centres</td>
<td>0</td>
<td>0</td>
<td>PG</td>
</tr>
</tbody>
</table>

4.7.2. ANALYSIS: Among the 25 courses, most of the courses have above 4 star rating in 5.

5. CONCLUSION:
From this study it may conclude that,

i. Most of the courses are at postgraduate level.

ii. No. of courses are increasing yearly.

iii. Learners are getting enrolled more in certificate level courses.

iv. A few part of enrolled candidates (<1%) had rated the course.

v. Most of the courses had a rating above 4.

SWAYAM is the gateway through which learners can freely complete courses according to their needs, learn a lot of things in an interesting audio-visual way. In future, SWAYAM will get more popularity, more institutions will get involved. In field of library and information science, more courses will be added and people have interest in this field, can get more knowledge through this platform.

6. REFERENCES:
2. https://swayam.gov.in/courses/public accessed on 02.11.2018

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