

No. F. 11-40/DIR/NML/NVLI(TP)/2015-16

**Government of India, Ministry of Culture
National Mission on Libraries**

Minutes of the fourth meeting of the Advisory Committee of National Virtual Library of India (NVLI) under National Mission on Libraries (NML) held on 20th July 2016 at 12.00 Noon in the Chamber of Secretary (Culture), Shastri Bhawan, New Delhi - 110 001.

Members and officials present in the meeting is given at Annexure 'A'.

At the very outset Secretary (Culture) welcomed all the members present in the meeting. Thereafter the following agenda items were taken up for deliberation.

ITEM 1: TO CONFIRM THE MINUTES OF THE THIRD MEETING THE ADVISORY COMMITTEE HELD ON 24TH FEBRUARY, 2016.

Minutes of the 02nd meeting of the Advisory Committee of NVLI held on 24th Feb 2016 were confirmed.

ITEM 2: TO CONSIDER ACTION TAKEN ON THE BASIS OF RECOMMENDATIONS OF THE THIRD MEETING.

The action taken report was considered and approved.

ITEM 3: TO REVIEW THE STATUS OF THE PROJECT.

(i) Secretary (Culture) advised that IIT, Bombay and CDAC Pune should work together to resolve the issues related to the signing of the MoU so that the MoU could be signed at the earliest.

(ii) It was reiterated by the members present in the meeting that NVLI has been envisaged as an Open Source platform with non-commercial purpose.

(iii) It was decided that JATAN developed by CDAC Pune will be subsumed in NVLI.

(iv) It was decided that the Digital Repository on Ayurveda being developed by the IGNC A would be subsumed in NVLI. However, IGNC A should resolve IPR issues before uploading any content in NVLI.

(iv - a) The Secretary (Culture) conveyed that all PIs, Co-PIs and Partnering Institutions should work together as a team towards development and implementation of the NVLI. All contributors should be equally responsible for the development and implementation of the NVLI.

(iv - b) The Secretary (Culture) informed that it has been decided in the 03rd Advisory Committee meeting [vide item 3(xii)] that all organization involved in the development of the NVLI system namely, Ministry of Culture, IIT - Bombay, CDAC - Pune, IGNOU, RRRLF and other organizations will jointly hold the IPR.

(v) Dr. RS Mani informed the committee that he has visited the IGNCAs site and observed that enough space is available for development of 'Data Centre' for Ministry of Culture. The technical requirements like civil, electrical, safety & surveillance etc. were discussed with the representative of CPWD. It was decided that the CPWD will submit a comprehensive proposal along with financial estimates for civil, electrical, safety and surveillance, disaster management etc. at the earliest.

(vi) Dr. RS Mani informed that financial estimates for establishment of NVLI Cloud Services and Data Centre would be submitted by October, 2016. It was decided that the funds for establishment of NVLI Cloud Services and Data Centre by NKN / NIC may be transferred to IIT Bombay for onward release of payment to NKN / NIC subsequently.

(vii) Prof. Deepak B. Phatak gave an overview of the status of the project and action taken by the IIT, Bombay. He informed that a prototype of the NVLI would be ready by 08th August 2016 for demonstration.

(viii) Prof. Deepak B. Phatak informed that IIT, Bombay is in the process of developing a training module in MOOCS for library professionals which will contain following three modules.

- (a) ICT foundation course.
- (b) Spoken tutorial on KOHA
- (c) Advance training for Faculty Development Program (FDP). This would include KOHA and DRUPAL.

Director (Libraries) opined that NVLI online courses should also include tutorials on Museology, Archaeology etc.

(ix) Prof. Deepak B. Phatak informed that two Mini Clouds are being established at IIT, Bombay and CDAC Pune for development and testing of NVLI. IGNOU can use the Mini Cloud established at IIT Bombay for NVLI works undertaken.

(x) Prof. Deepak B. Phatak opined that the Data Collection, Content and Metadata Creation are major parts of the NVLI initiative. There is a need to collaborate with the Partnering Institutions. He opined that Ministry of Culture should identify an organization for co-ordination among the 'Partnering Institutions' so as to facilitate uploading of data could be started from October 2016. Prof. MS Ananth observed that more library personnel / professionals should be engaged with this development process for effective implementation of the NVLI.

(xi) IPR related issues were deliberated during the course of the meeting and it was decided that appropriate disclaimer would be given while rendering content in the NVLI site or while re-directing users to other sites for the content through the links generated from data harvested by crawling. It was further decided that no hot link would be provided in NVLI.

(xii) Prof. Rajat Moona was authorized to compile a list of all such IPR related issues which are required to be resolved in order to avoid any copyright related conflicts.

(xiii) Prof. Deepak B. Phatak pointed out that the tenure of the project is upto 31st March 2017 and appropriate measures are required to be taken for continuation for the project. Secretary (Culture) assured that appropriate action would be taken for continuation of the project.

(xiv) CDAC Pune made a presentation on various modules being developed by CDAC including the architecture of NVLI, system administration, crowdsourcing etc. CDAC representatives informed that prototype of most of the modules have already been developed and ready for demonstration.

(xv) IGNOU made a presentation on various modules being developed by IGNOU in collaboration with the RRRLF and Kalyani University like metadata harvesting for digital resources, development of Z 39.50 service to provide validated MARC records for distributed cataloging, unified digital collection and catalogue search service, curation and validation of MARC21 records, value added services etc.

(xvi) There was a detail deliberation regarding possible duplication of few activities between the Co-PIs. Prof. Deepak B. Phatak opined that all such duplications would be resolved as was resolved in the third Advisory Committee meeting [vide Item 3 (xxi)].

(xvii) Prof. Uma Kanjilal shared an information with the committee that renting of furnitures instead of procurement will save a lot of cost and the committee approved the approach.

(xviii) Dr. Arun Kumar Chakraborty pointed out that UDC as a scheme of classification is being used by at most two percent of libraries and most of the libraries in India use DDC as the classification scheme. He pointed out that in Libraries DDC numbers are used for physical organization of documents but in NVLI user interface DDC (upto 03rd summary) may provide support for browsing and retrieving of digital objects by DDC numbers. This facility will help users to retrieve all resources against a given subject category (with no. of documents available) easily and they can navigate upto 03rd level. An attempt should be made to display DDC categories in 22 scheduled languages. In the next phase NVLI team may explore the possibility of developing ontology based faceted navigation in place of hierarchical display by using analytical-synthetic approach.

- (a) Prof. Kanjilal gave a presentation on behalf of IGNOU, RRRLF and Kalyani University team. She informed that a prototype has been tested with the installation of latest version of Koha, Dspace and VuFind. The Koha application has been hosted with 48000 bibliographic data collected from RRRLF and CRL. VuFind has been integrated with Koha and DSpace to serve as a discovery tool with harvesting, search and browsing capability. Bengali search interface has been tested and this is to be further extended for other Indic languages. The search facility has been further extended to external repositories through API to WorldCat, IndCat and Trove. Value added services such as Ask a Librarian, statistics, Full-text search in OPAC, APA, Chicago Style or MLA citations, faceted navigation and integrated DDC as Browsing tool have been tested.

- (b) The team is working on standardization of metadata based on specialized cultural metadata viz. CCO, CDWA, LIDO, EAD, VRA, MIDAS DACS mapping it with Dublin Core. The standards are to be finalized in workshops to be conducted at two levels one with the Library and Information Science professionals and the second with the stakeholders.
- (c) Regarding finance and accounts she informed that IIT Bombay has transferred funds to IGNOU after signing of the MoU in two installments: Rs 1.10 Crore on 13 June 2016 and Rs 2.20 Crore on 11 July 2016.
- (d) First phase of recruitment has been completed through walk-in- interview conducted on July 8. In the first phase around 19 Library and Information Science professionals have been selected. Two halls have been identified to set up labs for the project.
- (e) For procurement of H/W and other infrastructure specifications for H/W have been finalized. There was a plan to procure them through DGS&D rate contract. Since the government has launched the beta version of the GEM Portal (Government Marketplace), all the rate contracts have been terminated. Till the portal is launched it will not be possible to procure anything fast track. The tendering process will take time and will delay the project.
- (f) It was decided that IIT Bombay will procure the computers on behalf of IGNOU as per their rate contract and payment will be made by IGNOU. Regarding furniture, it was decided that instead of buying the same may be hired, this will cut down the cost considerably.
- (xix) Prof. Deepak B. Phatak opined that from the next meeting onwards all the PIs and Co-PIs will collaborate and a single presentation would be made before the committee regarding progress of development of the project.
- (xx) A module containing Digital information on the eminent personalities should be included as a module in NVLI. IIT Bombay will develop the module in consultation with the Joint Secretary (Libraries) and data for this module would be provided by National Archives of India. Additional funding required, if any, for this module would be provided to IIT Bombay out of the NVLI Budget. Work should be started immediately on the project.

The meeting ended with a vote of thanks to the Chair.

(Pankaj Rag)
Joint Secretary (Libraries),
Ministry of Culture &
Mission Director, NML