Report of Workshop on
Integration of ICT in Educational Programme

From 23rd Oct. 2017 to 2nd Nov. 2017

The Teaching Learning Centre (TLC) of Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeetha Under the scheme of PMMMNMTT (MHRD) organised the 10 days National Workshop on **Integration of ICT in Educational Programme** from 23rd Oct. 2017 to 2nd Nov. 2017. This workshop was conducted through 40 distinctly designed sessions including Inaugural, Induction, Feedback and Valedictory sessions. The schedule encompasses four intensive sessions per day based on ICT skills. The brief description of the sessions is as follows.

Day-1, Date-23/10/2017(Monday)

Session- 1:   **Inaugural Session**

The workshop commenced with the Mangalacharan and lighting of lamp followed by welcome speech of **Prof. R. P. Pathak** Dean, Faculty of Education. The Project Head **Dr.Amita Pandey Bhardwaj** stated the objectives of the workshop regarding the relevance of the theme in the present educational scenario. **Dr. Renu Batra (Registrar, Vidyapeetha)**, in her speech reiterated the main objective of PMMMNMTT to empower teacher for which integration of content, pedagogy and technology is imperative. The **chief guest Prof. Mohammad Miyan Ex VC, MANUU, Hyderabad** in his address emphasized on re-invention in teaching through use of Information and Communications Technology. He stressed the importance of Sanskrit education in national development. He also suggested to adopt follow-up strategies for the participants after successful completion of this programme. The **chairperson Hon'ble Vice Chancellor Prof. R. K. Pandey** in his presidential address dwelt on the significance of three things i.e. Talent, Competence and Practice in line with Marmar Bhat's kavaya. He also emphasized the need of integrating ICT in teaching-learning process. The session ended with the vote of thanks by **Prof. Nagendra Jha**. The session was coordinated by **Prof. K. Bharathbooshan**.

Session- II   **Induction Session**

The session began with the self-introduction of each participant. In this session Project Head and Coordinator of the Workshop **Dr. Amita Pandey Bhardwaj** elucidated the purpose and Sub-themes of the workshop in details. She also discussed about the implementation strategy of this workshop.

Session- III & IV   **Resource Person- Prof. M. M. Pant**
Session Coordinator- Prof. K. Bharathbooshan   **Ex Pro VC, IGNOU, New Delhi.**

Prof. Madan Mohan Pant gave valuable information on Landscape of Educational Innovation in Digital age. He highlighted the importance of flipped learning and blended learning styles. He further emphasized on emerging technologies for developing future life-long learners.

Day- 2, Date- 24/10/2017(Tuesday) **Resource Person:-Dr. Nisha Singh**
Session:-Session- I & II **Deputy Director IUC. IGNOU, New Delhi.**
Session Coordinator:- Dr. M. Jayakrishnan

Dr. Nisha Singh discussed about online assessment through 'Hot Potatoes' (Software) which facilitates preparation of various types of objective type questions used especially for evaluation purpose in teaching-learning process. She also gave Hands-on Practice for preparing classroom assessment tool by using this software.

Session- III & IV **Resource Person- Prof. MadhuParhar**
Session Coordinator- Dr.Minakshi Mishra. **Director, STRIDE, IGNOU, N. Delhi.**

Prof. Madhu Parhar discussed the concepts related to pedagogy and elaborated on learning skills needed for the learner of 21st century. She emphasised the importance of measuring learning outcomes with special reference to schools in the domain of knowledge, skills and attitude.

Day-3, Date- 25/10/2017(Wednesday) **Resource Person- Amita Pandey Bhardwj**
Session- I & II **Project Head-TLC, SLBSRSV, New Delhi.**
Session Coordinator-Prof. Rachna Verma Mohan

Dr. Amita Pandey Bhardwaj elaborated various ways for preparing effective PowerPoint presentation with respect to classroom teaching. She gave hands on experience in both the sessions through demonstration and video presentations with respect to slide animation, design, inserting pictures, video, charts and tables in slides followed by practice.

Session III & IV **Resource Person- Dr. Sapna Yadav**
Session Coordinator- Dr. Manoj Kumar Meena **SCERT, New Delhi.**

Dr. Sapna Yadav discussed about Online Capacity Building Programme and ICT. In her presentation she focused on the present status of technology in Educational domain and also discussed about Cyber-crime and safety measures with respect to Social media.

Day- 4, Date- 26/10/2017(Thursday)   **Resource Person- Dr. Manas Ranjan**
Session- I &II   **Project Director, (CEMA),**
Session Coordinator- Prof. K. Bharathbooshan. **Common Wealth of Learning, New Delhi.**

Dr. Manas Ranjan in his presentation highlighted the adoption of Open Education Resources (OER) as an innovative intervention for Teaching Learning system. He explained various types of licenses especially creative common and importance of free license in the context of OER. In his second session he gave Hands-on-Practice to the participants.

Session- III & IV   **Resource Parson- Dr. Mythili**
Session Coordinator:-Prof. Rachna Verma Mohan **Deputy Director,**
               STRIDE, IGNOU, New Delhi.

Dr. Mythili highlighted the stages of Video Production, its objectives and various formats for video content development. In her second session she gave practice to the participants of preparing video content through Free Mind-software.

Day-5, Date- 27/10/2017(Friday)   **Resource Person- Prof. Srinivas**
Session- I & II   **ICT, NUEPA, New Delhi.**
Session Coordinator-Dr. Kusum Yadulal

Prof. Srinivas discussed about **4 Quadrant Approach** of **SWAYAM-MOOC-**. The educational technology tools were demonstrated through Google drive and presentation tube. In the Hands-on-Practice session the participants were demonstrated how to register www.presentationtube.com and install presentation tube recorder for preparing video from PowerPoint presentation.

Session III & IV   **Resource Person- Prof. Srinivas**
Session Coordinator- Dr. Surendra Mehtho **ICT, NUEPA, New Delhi.**

In this session Prof. Srinivas discussed about the various Open Educational Resources (OER) for learning, teaching and professional development. He further demonstrated how to search free video from YouTube and gave practice to the participants.

Day-6, Date- 28/10/2017(Saturday)   **Resource Person- Prof. Srinivas**
Session- I & II   **ICT NUEPA, New Delhi.**
Session Coordinator-Dr. Meenakshi Mishra

In this session Prof Srinivas gave presentation on collaborative working with cloud application in reference to Google drive. He further demonstrated on registering Moodle on cloud and Moodle Mobile App and its application in online Teaching and Assessment.

Session III & IV   **Resource Person- Prof. Srinivas**
Session Coordinator- Dr Tammana Kaushal   **ICT, NUEPA, New Delhi.**

In this session the participants practiced on how to register on Moodle and to install Moodle Mobile App. The participants created their Moodle site address also.

Day-7, Date- 30/10/2017(Monday)   **Resource Person- Prof. Srinivas**
Session- I & II   **ICT, NUEPA, New Delhi.**
Session Coordinator-Prof. K. Bharathbooshan

In this session Prof. Srinivas highlighted the significance of Google Drive in Pedagogy and gmail in collaborative learning. He also demonstrated how to create a folder and fresh file in Google docs, sheets, slides and drop file from any source and to share it. He also discussed about the course design inputs in making online learning successful.

Session- III & IV   **Resource Person- Prof. Srinivas**
Session Coordinator- Dr. Sadan Singh   **ICT, NUEPA, New Delhi.**

In his last session Prof. Srinivas summarized all the topics taken by him and discussed about learning outcomes of the participants. In addition to this the participants had the presentation on what they had learnt with respect to value additions in their current knowledge and conceptual clarity along with their short and long term action plans.

Day-8, Date- 31/10/2017 (Tuesday)　　　　　**Resource Person- Prof. Arhar Husain**
Session- I & II　　　　　　　　　　　　　　**Former Dean, Faculty of Education**
Session Coordinator-Prof. K. Bharathbooshan　　**Jamia Millia Islamia University,**
　　　　　　　　　　　　　　　　　　　　　　New Delhi.

Prof. Arhar Husain discussed on ICT and Digital Resources in post 2017 Education by highlighting contemporary concerns in Education and Government initiatives taken in this regard.

Session III & IV　　　　　　　　　　　　**ResourcePerson-Dr Mamoor Ali**
Session Coordinator- Dr Vichari Lal Meena　　**CIET, NCERT, New Delhi.**

Dr Mamoor Ali in his presentation discussed TPACK approach (Technological Pedagogical Analysis Of Content Knowledge) and 5 E's instructional model (Engage, Explore, Explain, Elaborate and Evaluate) in Information and Communication Technology (ICT) and its integration in planning, transaction, evaluation and assessment of teaching. He also highlighted various types of application tools used in Planning, Creating Resources, Pooling Resources and assessment. He further demonstrated how to use and apply ICT in teaching, learning and evaluation processes.

Day-9, Date- 1/11/2017 (Wednesday)　　　　**Resource Person- Prof. Madan Mohan Jha**
Session- I & II　　　　　　　　　　　　　**Head, Department of Education**
Session Coordinator- Dr. Vimlesh Sharma　　**Rastriya Sanskrit Sansthan Mumbai**
　　　　　　　　　　　　　　　　　　　　Campus, Mumbai.

Prof. M .M. Jha in his first two sessions highlighted the use of ICT in sanskrit teaching through various sources-Sanskrit News, Sanskrit Forums, Wikipedia, self-developed PowerPoint on various topics of Sanskrit grammar. He also discussed about his self-developed apps Amarakosh and its utility in teaching of Sanskrit.

Session III & IV　　　　　　　　　　　　**Resource Person- Prof. Madan Mohan Jha**
Session Coordinator-Dr.Amita Pandey Bharadwaj　　**Head, Department of Education,**
　　　　　　　　　　　　　　　　　　　　Rastriya Sanskrit Sansthan Mumbai
　　　　　　　　　　　　　　　　　　　　Campus, Mumbai.

Prof. M .M. Jha in his last two sessions discussed about m-learning in Sanskrit teaching and provided hands-on-practice to the participants in this regard.

Day-10, Date- 2/11/2017 (Thursday)   **Resource Person-Prof. Amarendra Behera**
Session- I & II   **CIET, NCERT, New Delhi.**
Session Coordinator- Prof. Nagendra Jha

In the last technical session, Prof. Amarendra Behera highlighted the need of four skills viz Creative expression, Problem solving, Communication and Critical thinking in the context of 21st century scenario of Information and Communication Technology enabled environment. He also discussed about various Government initiatives and Apps such as Umang, ICT @ school scheme for secondary and senior secondary schools, Digital India campaign etc. and NCERT initiatives- National Repository of Open Educational Resources (NROER), SWAYAM-PRABHA, e-Pathshala, etc**.**

Session- III   **Feedback Session**
Session Coordinator-Prof. K. Bharathbooshan

In the last session online feedback about the workshop by the participants was taken on 10 points in five categories viz. Excellent, Very Good, Good, Satisfactory, and Unsatisfactory. The obtained feedback was analyzed point wise and category wise in terms of percentage which is summarized as follow:

S.No	Points	Percentage				
		Excellent	Very Good	Good	Satisfactory	Unsatisfactory
1.	Theme and sub-themes of the programme.	73.3	26.7	0	0	0
2.	Quality of Application-centric experiences during the sessions.	53	47	0	0	0
3.	Useful in making teaching process effective.	57	40	3	0	0
4.	Useful in enhancing your level of learning.	50	47	3	0	0
5.	Useful in making evaluation process meaningful.	53	40	7	0	0
6.	In meeting programme objectives.	47	40	13	0	0
7.	Value addition in terms of current knowledge and conceptual clarity.	63	33	4	0	0
8.	Value addition in terms of up gradation of skills.	62	35	3	0	0
9.	Programme management (Timely sessions, food, refreshments & other arrangements etc.)	64	33	3	0	0
10.	Overall programme assessment.	67	27	6	0	0
	Overall	58.93	36.87	4.2		

Thus, it may be concluded that 59% of participants assessed the workshop in excellent category, 37% in Very good category, remaining 4% in good category and 0% in both satisfactory and unsatisfactory category.

Session: IV   **Valedictory Session**

The valedictory session began with the Mangalacharan followed by lighting of lamp and Saraswati Poojan and floral welcome of the Chief Guest. After that **Prof. R.P. Pathak, Head & Dean** Department of Education gave welcome-speech. The participant, namely Dr. Sukram and Dr. Manorama Sharma shared their experiences about this workshop especially in the context of their content enrichment and usefulness. **Dr. Amita Pandey Bhardwaj** Project Head of the Centre spoke about the workshop outcomes and highlighted the participant's feedback obtained on ten points in 5 categories viz. Excellent, Very good, Good, Satisfactory and Unsatisfactory with the suggestions provided by the participants. This was followed by Certificate distribution to all the participants by the Chief Guest Prof. Santosh Panda, Vice Chancellor Prof. R. K. Pandey, Prof. R.P. Pathak and Project Head Dr. Amita Pandey Bhardwaj.**Prof. Santosh Panda (Ex- Chairperson, NCTE)** in his Chief Guest address highlighted on contemporary reforms like choice based credit system (CBCS), skill development through vocational education, technology enabled learning, distance education and evidence based teaching-learning and asserted that they should be made compulsory and mandatory part of education. He elaborated on four quadrants (Video content, e-content, Web resources and self-assessment) in MOOC Pedagogy and advocated to develop Open Educational Resources (OER) in Sanskrit and for Sanskrit teaching. He further explained blended and cloud learning environment should be created in the classroom situations which can be made possible, only if teacher is reflective and active. The **Prof. Ramesh Kumar Pandey(Vice Chancellor, SLBSRSV, New Delhi)** in his presidential address said that five essential qualities are needed for an effective teacher viz. knowledge of subject, healthy body, effective speech, dressing sense and personality. The session ended with vote of thanks by **Prof. K. Bharathbooshan**. The seesion was coordinated by **Dr. Surendra Mehto**.