

Applications of Digital Tools in Teaching and Learning Indian Languages: A three months online course by INADS

Umesh Kumar Singh*

umeshvaidik@gmail.com

School of Indic Studies (SIS) held a three months online skill development certificate course in collaboration with Maitreyi College University of Delhi on topic ***Applications of Digital Tools in Teaching and Learning Indian Languages***. The first day of August began with the completion of this certificate course. The conveners of the course were:

1. Dr. Umesh Kumar Singh, School of Indic Studies, Institute of Advanced Sciences.
2. Dr. Pramod Kumar Singh, Sanskrit Department, Maitreyi Collage, University of Delhi.
3. Dr. Jyoti Singh, Enabling Unit, Maitreyi Collage, University of Delhi.

We got 2704 registered participants from 31 states all over India. Course ran on Saturday and Sunday only, at 4.00 pm without hampering regular classes. This course was accessible through two modes direct learning and self-learning (DLM and SLM). Total number of DLM Participants was 500 with Zoom and 341 on YouTube Live and rest all were in SLM Mode. We organized live classes for 500 participants on Zoom, rest of participants joined live session through YouTube live and also accessed through recorded videos

*Assistant Professor, School of Indic Studies, Institute of Advanced Sciences, Dartmouth, USA.

on Enabling Unit YouTube channel of Maitreyi Collage as per their convenience.

A total of 7 lectures were delivered by our four faculties of School of Indic Studies during this entire programme:

- | | |
|--------------------------|------------|
| 1. Prof. Balram Singh | 2 lectures |
| 2. Prof. Girish Nath Jha | 1 lecture |
| 3. Dr. Umesh Kumar Singh | 2 lectures |
| 4. Dr. Nilesh Oak | 2 lectures |

1 Completed course in data

Number of registered participants:	2710
Total modules developed:	12
Actively engaged participants:	775
Participants appeared in exam	546
Successfully completed participants	543
Total Number of experts:	12
Total Videos prepared:	24(including practice sessions)
Total viewers of course on Youtube:	More than 15000
Total Session organized:	26 (12 Lecture session+08 Practice Session+ 3 Special Doubt Clearing Session, 1 Live Exam Session, 1 Inaugural Session+1 Valedictory session)

2 Feedback about completed course

During the period of this three months online skill development certificate course we collected the feedback from our participants. The feedback received from them was very encouraging:

1. 100 percent participants accepted that this course is beneficial for them to learning digital tools for Indian languages
2. 99.9 percent participants agreed that this course will help him to learn

and do research in language field.

3. 99.3 percent participants were in strong opinion that they will recommend this course to their colleagues and friends
4. 96 percent participants rated that all resource persons were outstanding, Excellent or Very good.
5. 94.6 percent participants accepted that overall, this certificate course is Fabulous, Outstanding or very Nice
6. 92 percent participants rated that organizing committee has done their work outstanding, Excellent or Very good.

3 Completed course in pictures

This program organized by both the above mentioned institutions was very successful. The participation of the faculties of School of Indic Studies to make it a success can be seen through these pictures.



Figure 1: Prof. Girish Nath Jha

Sanskrit, Hindi, Nepali keyboard best Unicode input system for Devanagari Script: Umesh Kumar Singh

TSN/New Delhi
 The ongoing three month certificate course on Applications of digital tools in teaching and learning Indian languages, at Maitreyi College, University of Delhi, witnessed an enthralling talk by Dr. Umesh Kr Singh. The course is run in international collaboration with School of Indic Studies, Institute of Advanced Science, USA. Course- coordinator, Dr. Pramod Kumar Singh familiarized participants with necessary instructions, in the beginning of session. Dr. Umesh Singh explained about Unicode typ-



ing method, its origin and other requirements. The history behind birth of Unicode was discussed in great detail. He laid emphasis on kind of support system required for usage of Unicode typing. Dr. Singh very methodically described various Input system, Google

Indic keyboard, Baraha software and its limitations. The participants were astonished to see variety of Unicode fonts provided by Microsoft. The limitations of Baraha software were discussed at great lengths. Dr. Umesh introduced the participants to Sanskrit Hindi Nepali keyboard and apprised them with its working methodology. Dr. Singh said that anybody can type not only Hindi, Sanskrit, Nepali but Vedic Literature also. Almost all Unicode characters and symbols related to Vedic language are available with this keyboard. He

also graciously shared this phonetic input system keyboard application developed by him with the participants to enhance their practical learning. The participants were explained the installation of software and its application in a stepwise manner. He gave intensive training of several applications in the next day of his session. The session was moderated by Dr. Swasti Shrama and the Resource Person was welcomed by Dr. Geeta Pandey. The session ended with vote of thanks presented by Dr. Pramod Kumar Singh.

Figure 2: News about lecture on Unicode delivered by Umesh Kumar Singh

संक्षिप्त खबरें

यूनिकोड सिस्टम की दी जानकारी : डॉ. सिंह

नई दिल्ली । संस्कृत हिंदी नेपाली की बोर्ड देवनागरी लिपि के लिए सर्वोत्तम यूनिकोड इनपुट सिस्टम है। ये बातें अमेरिका के स्कूल ऑफ इण्डिक स्टडीज के प्रोफेसर डॉ. उमेश कुमार सिंह ने मैत्रेयी कॉलेज और अमेरिकी संस्थान इंस्टीट्यूट ऑफ एडवांस्ड साइंसेज के संयुक्त तत्वावधान में भारतीय भाषाओं को पढ़ाने और सीखने के लिए डिजिटल टूल के अनुप्रयोगों पर चल रहे तीन महीने के सर्टिफिकेट कोर्स के तृतीय मॉड्यूल के व्याख्यान के दौरान कही। सत्र के प्रारम्भ में कोर्स क्वॉर्डिनेटर डॉ. प्रमोद कुमार सिंह ने प्रतिभागियों को आवश्यक निर्देशों से परिचित कराया। डॉ. उमेश कुमार सिंह ने यूनिकोड टाइपिंग विधि, इसकी उत्पत्ति और अन्य आवश्यकताओं के विषय में विस्तार से बताया। उन्होंने यूनिकोड की उत्पत्ति एवं इसकी ऐतिहासिकता पर भी प्रकाश डाला।

Figure 3: News in Hindi about lecture delivered by Umesh Kumar Singh

Maitreyi College (University of Delhi), INDIA
in collaboration with
 School of Indic Studies (Institute of Advanced Sciences), USA
organizes
 Three-Months Online Skill Development Certificate Course on
APPLICATIONS OF DIGITAL TOOLS IN TEACHING & LEARNING INDIAN LANGUAGES

MODULE-09, LECTURE SESSION
 Date : 03rd July 2021; Time : 4.00 PM (IST)

Use of LaTeX for Research Publication in context of Indian Languages

By
Dr. Umesh Kumar Singh
 Assistant Professor
 School of Indic Studies
 Institute of Advanced Sciences, USA

Figure 4: Lecture on $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ delivered by Umesh Kumar Singh

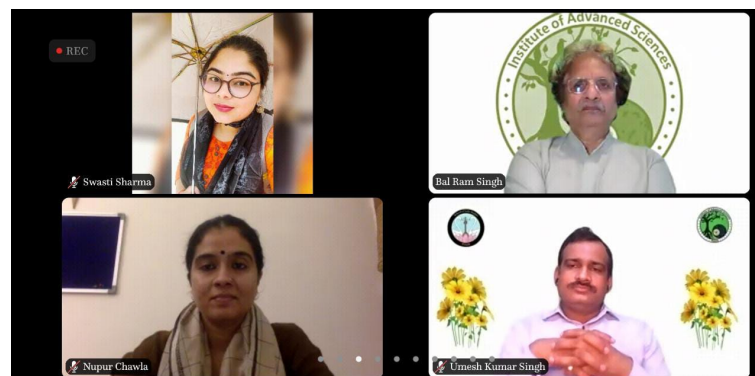


Figure 5: Valedictory session chaired by Prof. Balram Singh



Figure 6: Some members of Organizing Committee



Figure 7: Valedictory session lecture by Dr. Nilesh Oak