

COMPUTATIONAL RESOURCES AND APPLICATION FOR SANSKRIT

(March 15-30, 2021)



Kamala Nehru College

University of Delhi



30 hours Online National Level Certificate Course on Computational Resources and Application for Sanskrit

March 15-30, 2021 | 04PM - 06 PM
(on Zoom)

Inauguration Session: March 15, 2021, 04:00-06:00 PM



Chief Guest
Prof. Suman Kundu
Director South Campus
University of Delhi



Patron
Dr. Kalpana Bhakuni
Principal, Kamala Nehru College
University of Delhi



Keynote
Prof. Girish Nath Jha
School of Sanskrit & Indic Studies
Jawaharlal Nehru University

Our Esteemed Resource Persons from Academia and Industry



Dr. Subhash Chandra
University of Delhi



Dr. Sudhir K Mishra
CDAC, Pune



Dr. Diwakar Mishra
Amazon, India



Dr. Devendra S Rajput
Deshbandhu College



Dr. Vivek Kumar
Higher Education, Uttarakhand



Ms Anju
University of Delhi

Course Coordinator



Dr. Sarita Sharma
Kamala Nehru College

Topics to be covered:

- Computational Linguistics and Sanskrit
- Computational Linguistics Tools for Sanskrit: a survey
- Machine Translation
- Scripts, Fonts, Unicode, IAST transliteration
- Text editing/Typing tools for Sanskrit in Unicode
- Text Digitization and search for Sanskrit
- Sanskrit Grammar and Computation
- Web based Tool Development: HTML
- Web based Tool Development: HTML and CSS-1
- Web based Tool Development: HTML and CSS-2
- Web based Tool Development: Basics
- Speech Technology Development for Sanskrit
- Basics of Python for Programming-1
- Basics of Python for Programming-2
- Basics of Python for Programming-3



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Sanskrit has a very rich tradition of knowledge of science and technology. In the era of Information Technology (IT), computers, tablets and smart phones have basically changed and innovated the methods of teaching and learning through the internet. Nowadays, everyone seeks the instant information over internet on computer, laptop, tablet and smart phones. Students don't want to carry the heavy reading materials. There are huge educational contents related to all subjects (except most of the Indian languages) are available online. The majority of students engaged in learning Sanskrit are familiar with Hindi medium. There are very limited contents available in Devanagari script for Sanskrit. To fulfill the requirement and availability of educational materials for Sanskrit needs more efforts need to be done in the form of training the new generation in the skillful techniques of content creation and development of various tools in the area mentioned above.

Therefore, Kamala Nehru College, Siri Fort, New Delhi, University of Delhi is organizing **15 days certificate programme** on **"Computational Resources and Application for Sanskrit"**. The major objective of the course is to provide hands-on training for e-resource creation and tools development for Sanskrit. The topics will include (but not limited to)– Computational resources, digitization of Sanskrit texts, preservation and accessibility mechanisms, development of critical tools and application of Sanskrit.

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- Basics of Python for Programming
- Basics of Python for Programming

Registration:

Scan Code for Registration

Registration Link:

<https://forms.gle/qm5shGhHgXQtZDe8A>



During the registration payment proof to be uploaded in pdf of jpg format.

Important Date:

Last date of Registration:

March 13, 2021

Registration Fee:

Faculty Members:	Rs. 750/-
Research Scholars:	Rs. 500/-
Students:	Rs. 250/-

Registration fee to be deposited in following College account:

Account No.:	10732134358
Name Beneficiary:	K. N. C.
Bank:	State Bank of India
Branch:	South Ext. Part 2, New Delhi-110049
IFSC	SBIN0003219

Target audience:

Any student, researcher or entrepreneur who is interested in promoting Sanskrit in the digital world. The e-certificate will only be given to those registered participants who will complete all the sessions of 15 days and submit feedback forms.

Program Coordinator:

Dr. Sarita Sharma
Assistant Professor
Kamala Nehru College
Delhi University, New Delhi
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Mobile: [9717388739](tel:9717388739)

Patron:

Dr. Kalpana Bhakuni
Principal
Kamala Nehru College
Delhi University, New Delhi
<https://www.knc.edu.in>

The Department of Sanskrit organized a 30 hour Online National Level Certificate Course on Computational Resources and Application for Sanskrit from 15-30th March, 2021 via e-educational platforms such as Google Meet and Zoom. The course was focused on basic computational tools elementary for enhanced Sanskrit learning. It was definitely a huge success as it opened avenues for Computational Linguistics (CL) education in Sanskrit background. The scholars who participated in the workshop received theoretical knowledge about the components of CL such as basic typing and text editing tools, they were furnished with knowledge of different fonts, scripts, Unicode, transliteration modules, basics of web development and introductory lesson in speech technology. Each member got hands-on practice for HTML, CSS and python. Everyone who joined was able to garner practical knowledge and it as well, developed enthusiasm for CL aspect in traditional Sanskrit learning methodologies.

At the end of the 30 hours online course, assessment process took place. The mode of assessment also remained online (Computer based test or CBT). It was a multiple-choice questionnaire test, consisting of 25 questions each marked at 2 points. KNC team has maintained a response sheet for the examination conducted as per which, a total of 104 attendees gave the test, individual answer script was delivered and average score card ranged from 28-50 which resulted in the average percentage of 41-42%.The mode of assessment was appropriate to assess the knowledge trends and analyze the learning graph.

A total of 104 academicians, scholars and students from across the country joined this national certificate course. The technical team meticulously maintained the electronic attendance of each minute rigorously for 15 days. Every participant maintained the 95% attendance and actively participated in the practical sessions. The attendance record thus, stands for 104 participants with each of them receiving duly signed certificates.