

(008-A&H-05-02) APPLIED DIGITAL SANSKRIT INTEGRATION

Significance of the Program:

In the contemporary world, the venerable language of Sanskrit emerges as a transformative force, connecting antiquity with the cutting-edge domains of technology, linguistics, cultural preservation, and beyond. Regarded as the mother of numerous languages, Sanskrit carries profound potential across diverse fields. This program seeks to unravel the multidimensional impact of Sanskrit by exploring its applications not only in computer science but also in various other domains, unleashing the timeless wisdom encapsulated within this linguistic treasure.

Career Options:

Graduates of this program can explore a wide array of career paths, contributing their expertise in Sanskrit across multiple disciplines:

- Computational Linguist
- Cultural Informatics Specialist
- Linguistic Data Analyst
- Heritage Conservation Consultant
- Multidisciplinary Researcher

Outcomes of the Program:

1. Multidisciplinary Language Proficiency:

- Develop proficiency in applying Sanskrit's linguistic nuances across diverse disciplines.
- Explore the intersection of Sanskrit with fields such as linguistics, technology, cultural studies, and more.

2. Cultural Informatics and Preservation:

- Understand the cultural significance of Sanskrit in the digital era.
- Utilize technology for the preservation and dissemination of Sanskrit literature, art, and cultural heritage.

3. Sanskrit in Various Domains:

- Investigate the influence of Sanskrit in linguistics, philosophy, science, mathematics, medicine and other domains.
- Apply Sanskrit principles to enhance understanding and innovation in various fields.

4. Digital Sanskrit Archives:

- Learn digital archiving methods for Sanskrit manuscripts, texts, and artifacts.
- Contribute to the preservation and digitization of ancient Sanskrit knowledge and cultural artifacts.

Major Course Outline:

1. Language Proficiency

- Sanskrit Language and Grammar
- Phonetics and phonology of Sanskrit
- Morphology and syntax
- Semantics and pragmatics

2. Multidisciplinary Sanskrit Studies:

- Exploration of Sanskrit's influence in linguistics, philosophy, science, mathematics, and more.
- Application of Sanskrit principles in interdisciplinary contexts.

3. Cultural Informatics and Heritage Conservation:

- Preservation and digitization of Sanskrit manuscripts, texts, and cultural artifacts.
- Use of technology in safeguarding and promoting Sanskrit cultural heritage.

4. Sanskrit in Technology and Innovation:

- Investigate Sanskrit's role in technological advancements, innovation, and cross-disciplinary research.
- Apply Sanskrit principles to enhance creativity and problem-solving in various domains