

### About the Workshop

India enjoys a rich heritage of ancient knowledge and its scientific dissemination. The interface of 'knowledge' and 'Education' is unique to the central tenets and ethos of the traditional Indian education system. It provides a transformative learning experience to students which not only aims at knowledge inculcation but simultaneously develops skills and personality in a holistic manner. It incorporates human values, ethics, morality, sustainability in the learning process. The concept of Bharatiyata, embodies and promotes the notion of Vasudhaiva Kutumbakam as an essential paradigm of learning. Our great country once used to thrive on a knowledge society filled with examples of great achievements in scientific temper, mathematics, astro-physics, architectural grandeur, engineering marvel, philosophy, medicine, linguistics, literature, yoga, governance, polity, artistic excellence etc. It is no secret that the Bharatiya tradition has always attached the highest value to knowledge and as all knowledge is constituted in our Vedas, Puranas, traditions, and languages. Societies, intellectuals, philosophers, around the world, are greatly inspired by Indian knowledge System.

The National Education Policy 2020 seeks to instil among learners a rootedness and pride in India, and its rich knowledge systems and traditions. It has laid down a roadmap for 21st century India and lays emphasis on integrating Bharatiya knowledge system towards upskilling our learners and making them future ready to develop our nation as Viswaguru. In that context, UGC has taken the initiative of preparing model curriculum for higher education as per the mandate of NEP 2020. In that context, there is a need for developing appropriate India centric and futuristic curriculum and textual material so that it serves as guiding light in the sphere of higher education especially computer science and information technology. The outcome of this workshop is directed at developing futuristic textual material towards Making India Viswaguru as per Mandate of NEP 2020.

### About PDPM IIITDM Jabalpur

IIITDM Jabalpur was established in 2005 with a focus on education and research in IT enabled Design and Manufacturing. Identified as an Institute of National Importance by the Govt. of India, PDPM IIITDM Jabalpur has been playing a vital role in producing quality human resources for contribution in India's mission of inclusive and sustainable growth. The Institute offers undergraduate, postgraduate and PhD programmes in Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Smart Manufacturing, Design and PhD programmes in Mathematics, Physics, and Liberal arts. The Institute campus is being developed on 250 acres of lush green land close to Dumna Airport, Jabalpur. The Institute is 10 kms from the main railway station and 5.5 kms from Dumna airport, Jabalpur. To know more about the Institute, please visit [www.iiitdmj.ac.in](http://www.iiitdmj.ac.in).

### About Vidya Bharati Uchcha Shiksha Sansthan (VBUSS)

Vidya Bharati Uchcha Shiksha Sansthan (VBUSS) is a voluntary organization working in the field of education with focus on policy implementation and structural reforms in India's Higher Education landscape since 1952. VBUSS has been established to realize the aspirations of quality education in higher education along with inculcating in students the sense of the Bhartiya life values. To achieve the objective of NEP 2020, VBUSS has already published 14 books which were the outcome of collaborative efforts with several universities and institutions of national repute. To know more about the VBUSS, please visit <https://vbuss.org/>

### Objectives of the Workshop

- To brainstorm on the introduction, development, promotion, dissemination, and conservation of the ancient knowledge paradigms in Computer Science.
- To deliberate on the challenges in computer science and analyse the role of ancient knowledge system to address them.
- To provide an avenue where academicians, practitioners, research scholars and students will deliberate on ideas on inculcation and enrichment of curriculum in computer science.
- To implement the objectives of NEP 2020 by working and redesigning of Textbooks, Curriculum, Pedagogy and existing methodologies in Computer Science education.

### Participants

Around 100 scholars, Faculties from reputed academic institutions and pedagogic experts from all over the country are expected to participate in this Workshop.

### Invited Speakers

1. Dr. Chandragupta Warnekar, Retired Principal, Cummins College, Pune
2. Dr. Sunil Kumar Mishra, IIT BHU
3. Prof. Girish Nath Jha, JNU
4. Dr. Sandeep Kumar, IIT Delhi
5. Prof. Arnav Bhattacharya, IIT Kanpur

### Important Dates:

Last date of registration - April 30, 2024

Register online at:

<https://forms.gle/JSvsW7KCrB4uVpVN7>



### Organising Team:

#### Our Patron:

Prof. Bhartendu K. Singh  
Director, PDPM IIITDM Jabalpur

Prof. Kailash Chandra Sharma  
President, Vidya Bharati Uchcha Shiksha Sansthan

#### Coordinators:

Dr. Ruchir Gupta (IIT BHU) Email: [rgupta.cse@iitbhu.ac.in](mailto:rgupta.cse@iitbhu.ac.in)

Dr. Sraban Kumar Mohanty (PDPM IIITDM Jabalpur)

Email: [sraban@iiitdmj.ac.in](mailto:sraban@iiitdmj.ac.in), Phone : (0761)2794224

Dr. Vijaypal Singh Rathor Email : [vrathor@iiitdmj.ac.in](mailto:vrathor@iiitdmj.ac.in)

#### Co-ordinators:

Dr. Neelam Dabas, Shyam Lal College Delhi

Dr. Samiksha Gupta, Kirori mal College Delhi