



EVENT REPORT

WORKSHOP ON NATIONAL CREDIT FRAMEWORK
(NCRF) IN PRACTICE: INSTITUTIONAL DESIGN,
CREDIT ARCHITECTURE & MOBILITY
FRAMEWORKS

Date: 14th March, 2026

Time: 11:30 AM onward
(Online Mode)

Organised by: Human
Resource Development
Centre, DTU in association
with the Office of Dean (UG)

Summary Report

Workshop on National Credit Framework (NCrF) in Practice: Institutional Design, Credit Architecture & Mobility Frameworks

Event details:

Title: Workshop on *National Credit Framework (NCrF) in Practice: Institutional Design, Credit Architecture & Mobility Frameworks*

Organised by: Human Resource Development Centre (HRDC), Delhi Technological University (DTU) in association with the Office of Dean (UG)

Date: 14th March, 2026

Time: 11:30 AM onwards

Venue: Online Mode

The screenshot displays a Zoom meeting interface. The main content is a presentation slide from Delhi Technological University (DTU). The slide features the university's logo and the text: "DELHI TECHNOLOGICAL UNIVERSITY" and "Workshop on National Credit Framework (NCrF) in Practice: Institutional Design, Credit Architecture & Mobility Frameworks". It lists the Patron as Prof. Prateek Sharma, Hon'ble Vice Chancellor, DTU. The Chairpersons are Prof. Rajeshwari Pandey, Dean (UG) and Prof. P. K. Goyal, Director (HRDC). The Coordinators are Dr. Anurag Goel and Dr. Deepali Malhotra. The Speaker is Dr. Nirmaljeet Singh Kalsi, IAS (Retd.) 84:PB, Former Chairperson NCVET, Govt. of India and Addl CS, Govt. of Punjab. The slide also includes a QR code for Workshop Registration and is organized by the Human Resource Development Centre (HRDC) in association with the Office of Dean (UG). The event is scheduled for 14th March, 2026, at 11:30 AM onwards, in Online mode. The Zoom interface shows a video feed of Dr. Nirmaljeet Singh Kalsi, a chat window, and a grid of other participants.

Introduction

The Human Resource Development Centre (HRDC) of Delhi Technological University (DTU), in association with the Office of the Dean (UG), organized an online workshop on “*National Credit Framework (NCrF) in Practice: Institutional Design, Credit Architecture & Mobility Frameworks*” on 14th March 2026. The session brought together academicians, administrators, and participants from diverse educational backgrounds.

The workshop was conducted under the patronage of Prof. Prateek Sharma, Hon'ble Vice Chancellor, DTU, and featured an expert talk by Dr. Nirmaljeet Singh Kalsi, former Chairperson of NCVET, Government of India. The session aimed to provide a comprehensive understanding of the National Credit Framework (NCrF), with a focus on its practical implementation in higher education institutions, credit structuring, and enabling academic mobility. In the context of the evolving

educational landscape under the National Education Policy (NEP), the workshop served as an important platform to discuss reforms in credit systems, interdisciplinary learning, and flexibility in academic pathways.



Key Highlights:

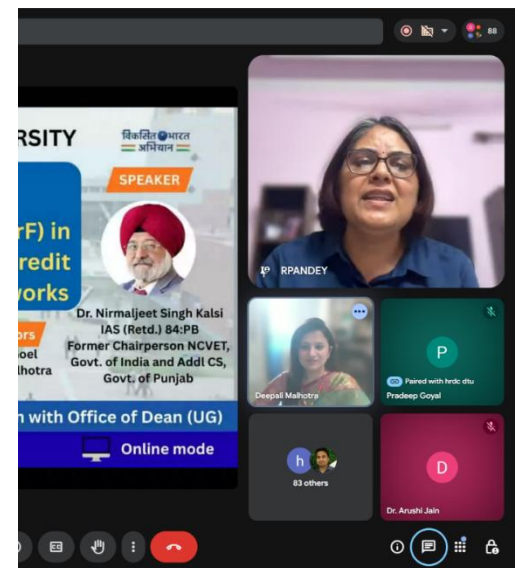
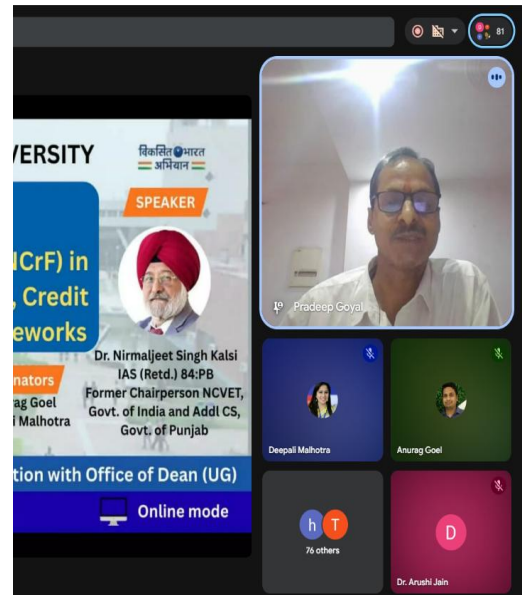
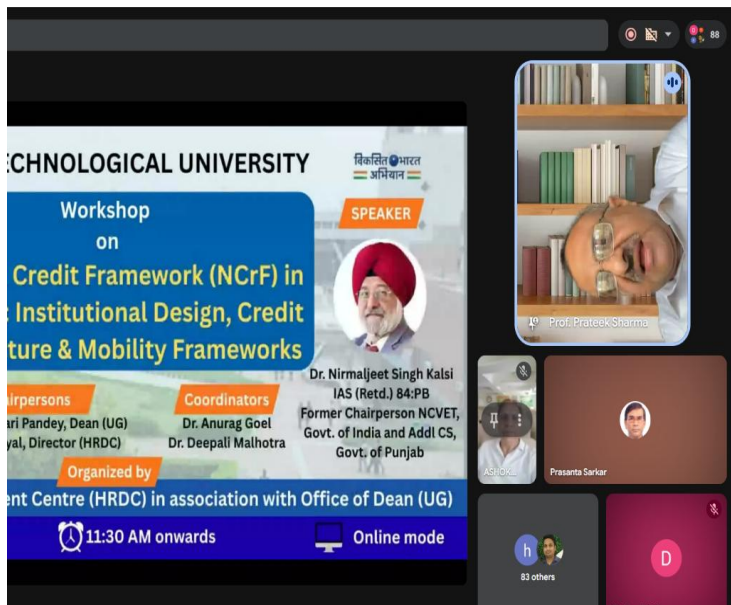
Workshop was graced by the gracious presence and participation of Vice Chancellors, Directors, senior academicians, and representatives from different universities and institutions across the country such as

- *Prof. Rajive Prakash, Director IIT Bhilai*
- *Prof. B.N. Singh, Hon'ble Vice Chancellor, Rajive Gandhi National Aviation University, Amethi*
- *Prof. Anupam Shukla, Director, SVNIT SURAT*
- *Prof. M.C. Govil, Director, NIT Sikkim*
- *Prof. Nimit Ranjan Choudhary, Hon'ble Vice Chancellor, Rajasthan Technical University, Kota*
- *Prof. C.C.Tripathi, Director, NITTER Bhopal*
- *Prof. Madhusudan Singh, Director, IIIT Bhaglpur*
- *Prof. Akhil Ranjan Garg, Hon'ble Vice Chancellor, Bikaner Technical University, Bikaner*
- *Prof Naveen Seth Former Vice Chancellor, Gujrat Technological University.*

The workshop began with the rendition of the National Anthem to pay homage to the nation. Dr. Pradeep K. Goyal, Director HRDC, DTU delivered the Welcome Address, who highlighted the significance of NCrF in transforming the higher education landscape and aligning it with the objectives of NEP 2020.

This was followed by an introductory address by Prof. Rajeshwari Pandey, Dean (UG), who provided an overview of the workshop objectives and emphasized the importance of credit frameworks in enabling flexibility and lifelong learning.

Following this, the Hon'ble Vice Chancellor, DTU emphasized the strategic importance of the National Credit Framework (NCrF) in transforming higher education by fostering flexibility, interdisciplinary learning, and global academic alignment. He highlighted DTU's commitment to adopting progressive academic reforms in line with national priorities.

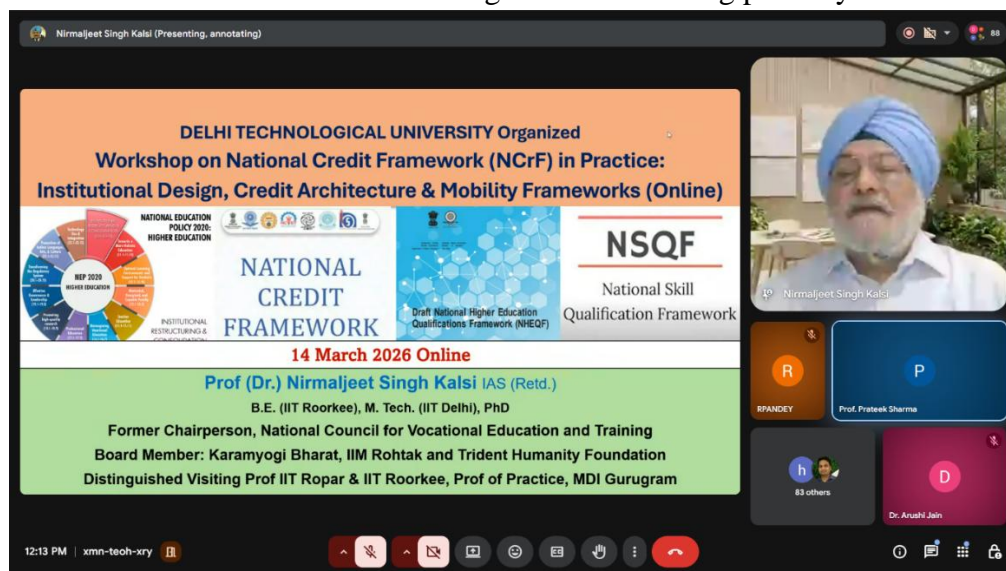


Session by the Speaker

The technical session was delivered by Prof. (Dr.) Nirmaljeet Singh Kalsi, IAS (Retd.), former Chairperson of the National Council for Vocational Education and Training (NCVET). The session focused on the practical implementation of the National Credit Framework (NCrF) and its alignment with India's evolving education and skill development ecosystem.

The speaker began by highlighting the objectives and significance of the National Credit Framework (NCrF) in integrating general education, higher education, and vocational skill development. He explained how NCrF aims to create a unified credit system that facilitates seamless mobility across different streams of learning, thereby promoting flexibility and lifelong learning opportunities.

A key focus of the session was on the broader Indian education and workforce ecosystem. The speaker presented data showcasing the vast scale of India's education system, including millions of students in school and higher education, a workforce of over 63 crore individuals, and a significant number of learners engaged in skill development. He also drew attention to the "NEET" category (Not in Education, Employment, or Training), emphasizing the need for structured frameworks like NCrF to bring such individuals into the mainstream through flexible learning pathways.



The screenshot displays a Zoom meeting interface. The main content is a presentation slide titled "DELHI TECHNOLOGICAL UNIVERSITY Organized Workshop on National Credit Framework (NCrF) in Practice: Institutional Design, Credit Architecture & Mobility Frameworks (Online)". The slide features several key elements: a circular diagram on the left representing the "NEP 2020 Higher Education" framework; the central text "NATIONAL CREDIT FRAMEWORK"; a graphic on the right for "NSQF National Skill Qualification Framework"; and the date "14 March 2026 Online". Below the slide, the speaker's name "Prof. (Dr.) Nirmaljeet Singh Kalsi IAS (Retd.)" and his credentials are listed. On the right side of the screen, a video feed shows Prof. Kalsi, a man with a white beard wearing a blue turban. Below the video feed are icons for other participants: "R PANDEY", "P Prof. Prateek Sharma", "h 83 others", and "D Dr. Anush Jain". The bottom of the screen shows the Zoom control bar with a timestamp of "12:13 PM" and the ID "xmn-teoh-xry".

The session further elaborated on the integration of various institutional and policy frameworks such as the National Education Policy (NEP) 2020, National Skills Qualification Framework (NSQF), and higher education qualification structures. The speaker highlighted how these frameworks collectively contribute to building a cohesive and transparent credit architecture.

Additionally, the speaker discussed the institutional ecosystem supporting education and skilling in India, including schools, universities, and skill development institutions. He emphasized the need for coordination among multiple stakeholders such as government bodies, training institutions, and industry to ensure effective implementation of credit systems.



The session also touched upon national targets, including achieving a 50% Gross Enrolment Ratio (GER) in higher education by 2035, expanding access to education, and promoting large-scale upskilling initiatives. The speaker stressed that the successful implementation of NCrF would play a crucial role in achieving these goals by enabling credit transfer, recognition of prior learning, and interdisciplinary mobility.

Overall, the session provided valuable insights into the structural transformation required in the education system and highlighted the importance of a unified credit framework in enhancing accessibility, flexibility, and employability in India's education landscape.

Discussion and Interaction:

The workshop concluded with an insightful and interactive discussion session, where participants engaged actively with the expert speaker, Prof. (Dr.) Nirmaljeet Singh Kalsi. The interaction largely revolved around key aspects of assessment frameworks and the role of technology in enhancing the effectiveness and credibility of evaluation systems under the National Credit Framework (NCrF).

Participants discussed various types of assessment practices, including formative, summative, diagnostic, and prognostic assessments, and their relevance in measuring different stages of student learning. The speaker elaborated on different assessment reference systems such as norm-referenced, standards-referenced, and criterion-referenced approaches, highlighting their importance in ensuring fair and transparent evaluation.

The discussion also covered the roles of different assessors, including external agencies, teachers, peers, and self-assessment mechanisms. The speaker emphasized that a holistic assessment system should incorporate multiple evaluation perspectives to ensure comprehensive learning outcomes.

Overall, the discussion session was highly engaging and enriched the participants' understanding of modern assessment practices and the transformative role of technology in education, aligning closely with the objectives of the NCrF framework.

hrdc dtu (Presenting)

DELHI TECHNOLOGICAL UNIVERSITY

PATRON
Prof. Prateek Sharma
Hon'ble Vice Chancellor,
DTU

Workshop on
National Credit Framework (NCrF) in Practice: Institutional Design, Credit Architecture & Mobility Frameworks

SPEAKER
Dr. Nirmaljeet Singh Kalsi
IAS (Retd.) 84-PB
Former Chairperson NCVET,
Govt. of India and Addl CS,
Govt. of Punjab

Chairpersons
Prof. Rajeshwari Pandey, Dean (UG)
Prof. P. K. Goyal, Director (HRDC)

Coordinators
Dr. Anurag Goel
Dr. Deepali Malhotra

Organized by
Human Resource Development Centre (HRDC) in association with Office of Dean (UG)

14th March, 2026 11:30 AM onwards Online mode

Anurag Goel
Nirmaljeet Singh Kalsi
Deepali Malhotra
R
RANDEY
70 others
Dr. Arushi Jain

11:40 AM | xmn-tech-xry

hrdc dtu (Presenting)

DELHI TECHNOLOGICAL UNIVERSITY

PATRON
Prof. Prateek Sharma
Hon'ble Vice Chancellor,
DTU

Workshop on
National Credit Framework (NCrF) in Practice: Institutional Design, Credit Architecture & Mobility Frameworks

SPEAKER
Dr. Nirmaljeet Singh Kalsi
IAS (Retd.) 84-PB
Former Chairperson NCVET,
Govt. of India and Addl CS,
Govt. of Punjab

Chairpersons
Prof. Rajeshwari Pandey, Dean (UG)
Prof. P. K. Goyal, Director (HRDC)

Coordinators
Dr. Anurag Goel
Dr. Deepali Malhotra

Organized by
Human Resource Development Centre (HRDC) in association with Office of Dean (UG)

14th March, 2026 11:30 AM onwards Online mode

Prof. Madhusudan Singh
Pradeep Goyal
Abhi V. Wadhawan
Dr. Arushi Jain

11:32 AM | xmn-tech-xry

hrdc dtu (Presenting)

DELHI TECHNOLOGICAL UNIVERSITY

PATRON
Prof. Prateek Sharma
Hon'ble Vice Chancellor,
DTU

Workshop on
National Credit Framework (NCrF) in Practice: Institutional Design, Credit Architecture & Mobility Frameworks

SPEAKER
Dr. Nirmaljeet Singh Kalsi
IAS (Retd.) 84-PB
Former Chairperson NCVET,
Govt. of India and Addl CS,
Govt. of Punjab

Chairpersons
Prof. Rajeshwari Pandey, Dean (UG)
Prof. P. K. Goyal, Director (HRDC)

Coordinators
Dr. Anurag Goel
Dr. Deepali Malhotra

Organized by
Human Resource Development Centre (HRDC) in association with Office of Dean (UG)

14th March, 2026 11:30 AM onwards Online mode

Nirmaljeet Singh Kalsi
Prof. Prateek Sharma
RANDEY
There are still many more

1:58 PM | xmn-tech-xry

Acknowledgments: The organizers expressed sincere gratitude to Hon'ble Vice-Chancellor Prof. Prateek Sharma for his continuous guidance and support. Appreciation was also extended to the distinguished speaker for sharing his valuable insights and experiences.

The Human Resource Development Center, DTU, was acknowledged for successfully organizing the workshop and providing a platform for academic and administrative development.

Conclusion:

The workshop on “*National Credit Framework (NCrF) in Practice: Institutional Design, Credit Architecture & Mobility Frameworks*” provided valuable insights into the evolving landscape of higher education and skill development in India. It successfully highlighted the significance of a unified credit framework in promoting flexibility, mobility, and integration across academic and vocational streams.

Through the expert session and subsequent discussions, participants gained a deeper understanding of institutional design, assessment mechanisms, and the role of technology in ensuring transparent and credible evaluation systems. The workshop also emphasized the importance of aligning educational practices with national frameworks such as NEP 2020 and NSQF to achieve broader goals like increased Gross Enrolment Ratio and enhanced employability.

Overall, the workshop was highly informative and enriching, equipping participants with practical knowledge and a clearer perspective on implementing the National Credit Framework in their respective institutions. It served as a meaningful step towards fostering a more inclusive, flexible, and future-ready education system.

Future Scope:

The implementation of the National Credit Framework (NCrF) opens up significant opportunities for transforming the Indian education system into a more flexible, inclusive, and outcome-oriented structure. In the future, institutions can further strengthen credit-based systems by integrating academic, vocational, and experiential learning, thereby enabling seamless mobility across different disciplines and levels of education.

There is substantial scope for the adoption of advanced digital technologies to enhance teaching, learning, and assessment processes. The use of AI-enabled tools, real-time monitoring systems, and data analytics can make assessments more transparent, efficient, and personalized. Additionally, emerging technologies such as simulations, extended reality (XR), and digital learning platforms can support blended learning environments and improve student engagement.

In the long run, the successful implementation of NCrF is expected to contribute to higher enrolment rates, improved employability, and the development of a skilled and adaptable workforce, thereby supporting the broader goals of national development.

Glimpses of the event

National Skills Qualifications Framework (NSQF) : ME-ME Options

- The NSQF has been aligned with NCF and notified by NCVET in June 2023 as a competency-based quality assurance framework for VETs having qualifications from Level 1 to 8.
- Each NSQF level is determined by a Level Descriptor which prescribes the Learning Outcomes based on knowledge, skills and aptitude providing for multiple pathways and opportunities for lifelong learning.

Components of programs of study

- Skill based Theory
- Practical Laboratory/ Hands-on/ studio/ workshop
- Field - based learning/ projects, Internship & Apprenticeship
- On the Job Training

NSQF Levels Entry Requirements

- Level 8 - Doctoral Degree
- Level 7 - Master's Degree (2 yrs after 4-year UG degree)
- Level 6.5 - Master's Degree
- Level 6 - PG Diploma, 4th year UG (with honours) 1+1 Yr PG
- Level 5.5 - Bachelor's Degree, 3rd Year
- Level 5 - UG Diploma, First two years
- Level 4.5 - UG Certificate, First year, 3 year diploma after 10th
- Level 4 - Class 12, 2 year (ITI after 10th)
- Level 3.5 - Class 11, 1 year (ITI after 11th)
- Level 3 - Class 10, 2 year (ITI after 9th)
- Level 2.5 - Class 9, 1 year (ITI after 8th)
- Level 2 - Read Write, Class 8
- Level 1 - No Education, Class 5

Each level is described by a learning outcomes in five domains, known as level descriptors:

- Theoretical Knowledge
- Professional / Technical/ hands on skills
- Employability & Entrepreneurship Skills
- Personal Learning Outcomes, self - Responsibility

Micro/ Nano credentials in Using Digital and Future Technologies & Skills

Future Skills in Curricula with Emerging Technologies

- AI**: Integrating artificial intelligence into education
- AR/VR**: Exploring augmented systems and robotics
- IoT**: Connecting devices and systems through energy solutions
- Green Energy**: Focusing on sustainable systems through energy solutions
- Cybersecurity**: Incorporating cybersecurity into digital analysis and protection
- 3D Printing**: Introducing additive manufacturing techniques
- Digital Finance**: Integrating digital financial tools and concepts

Personalized Learning with Digital Platforms

- Personalized Learning Paths**: Adapted to a learner's profile for better outcomes
- NDEAR Integration**: Platform offering a mix of digital and traditional content
- DIKSHA**: Platform offering content of great importance content
- Swayam**: Open source platform providing content
- eSkill India**: Initiative focusing on digital skill development

AEDP - Duration, Credits Scheduling and Responsibilities

Programme	Permissible Apprenticeship Embedding	
	Minimum	Maximum
UG: 3 Years	1 semester	3 semesters
UG: 4 Years	2 semesters	4 semesters

- For apprenticeship, the credits would be calculated in terms of duration instead of notional hours. A three-month apprenticeship programme will earn 10 credits.
- First Sem:** HEI, **Last Sem:** Industry
- Flexibility to schedule Apprenticeship within the programme duration
- The **spells** of Apprenticeship, either continuous or at intervals; Minimum spell - Semester
- Knowledge part:** HEI, **Skill part:** Industry

National AI Capacity Building and Skilling Framework

- Cross Sectoral AI Skills**
- AI Pioneers**
- AI Fluent Practitioners**
- AI AI Enabling**
- NSQF Level 1-5.5**