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NCERT



NATIONAL MEETING-CUM-WORKSHOP

on

Alignment of Vocational Education
from Secondary to Higher Education

(Online)

18-19 January 2022



पं.सुं.श. केन्द्रीय व्यावसायिक शिक्षा संस्थान, भोपाल
PSS Central Institute of Vocational Education, Bhopal
(a constituent unit of NCERT, under Ministry of Education, Govt. of India)

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1.0 Background

The National Education Policy (NEP) 2020 is a comprehensive policy document that also extensively discusses the need for revamping of vocational education. The policy focuses on bringing vocational education into mainstream education, as also recommended by earlier committees and commissions on education.

The reluctance of the students to join vocational courses at the higher secondary level is mainly due to the absence of vertical mobility. It is observed that the lack of horizontal and vertical mobility in the absence of non-alignment of the curriculum of vocational courses in higher education institutions are some of the reasons why students are reluctant in opting for vocational courses, even though they find them more relevant to their needs, interests, and aptitude.

The NEP 2020 aims to overcome the social status hierarchy associated with vocational education and advocates integration of vocational education programmes into mainstream education in all educational institutions in a phased manner. It has suggested that vocational exposure at early ages in middle and secondary school and ensuring quality vocational education in schools and higher education institutions will make vocational education attractive to the students. It also suggested that there is a need to ensure that every child learns at least one vocation and is exposed to several more. The target set by the NEP 2020 is that by 2025, at least 50% of learners through the school and higher education system shall have exposure to vocational education, for which a clear action plan with targets and timelines will have to be developed. To achieve this target, the higher education institutions will have to offer vocational education either on their own or in partnership with industry and NGOs. The Bachelor in Vocational Education (B.Voc.) degrees introduced in 2013 will continue to exist, but vocational courses will also be available to students enrolled in all other Bachelor's degree programmes, including the 4-year multidisciplinary Bachelor's programmes.

As per the recommendations in the NEP-2020, there is a need to align vocational education in school education to higher education. For aligning the vocational courses running under both levels of education there is a need for collaboration between the stakeholders of school and higher education. Vocational education will be integrated into all school and higher education institutions in a phased manner over the next decade. Different models of vocational education, and apprenticeships, will also be experimented with by higher education institutions. The vertical progression in vocational education would need to be strengthened so that the vocational pass-out students of schools can enter vocational courses offered by Schools, Industrial Training Institutes, Polytechnics, and higher education, including Bachelor of Vocational Education (B. Voc).

A credit-based framework will facilitate mobility across “general” and “vocational education”. The School Education Department in coordination with the Department of Higher and Technical Education of the State/UT may create more avenues for vertical mobility like introducing, Diploma, B. Voc. courses in technical institutions and universities. They may assist and facilitate the students in pursuing higher education in vocational subjects. School vocational education qualifications should be recognized by higher education institutions at par with academic qualifications for admission to diploma and degree courses.

The Ministry of Education (previously Ministry of Human Resource Development), Ministry of Labour and Employment, Ministry of Skill Development and Entrepreneurship, and National Skill Development Council are the primary agencies responsible for the implementation of vocational education and training in the country. Thus, to bring in systemic change as recommended by NEP 2020, it will require the capacity building of the stakeholders in VET working for the various skill development schemes or programmes under the various Ministries.

With the world moving towards a digital order and NEP 2020, technology-based skills, especially among the youth, have become more critical than ever. To effectively implement the recommendations in the NEP 2020, the government and stakeholders need to focus on re-vamping the vocational education and training system under School and Higher education levels.

The PSS Central Institute of Vocational Education (PSSCIVE), Bhopal is organising an online 'National Meeting-cum-Workshop on Alignment of Vocational Education from Secondary to Higher Education to deliberate upon the various challenges and issues related to horizontal and vertical mobility of vocational students and strategic actions to be taken for facilitating horizontal and vertical mobility of the vocational students and implementation of the recommendations of National Education Policy 2020 about vocational education.

2.0 Objectives

The objectives of the National Meeting-cum-Workshop are to:

- i. provide a platform for the exchange of information regarding vocational courses implemented at School and Higher Education;
- ii. explore the career opportunities in industries and deliberate upon the implementation of vocational courses to reduce the mismatch between demand and supply of skilled manpower;
- iii. identify the issues related to vertical and horizontal mobility of vocational students and recommend strategies for promoting mobility to higher education institutions
- iv. provide strategic directions for introducing bridge courses and other vocational courses to align school education with higher education.

3.0 Themes

- i. Building pathways in vocational education from school to higher education;
- ii. Horizontal and vertical mobility for vocational graduates in Higher Education: Challenges and Issues;
- iii. Innovative practices in aligning vocational education to higher education;
- iv. Breaking new grounds for skill adaptation in higher education;
- v. Role of stakeholders in aligning vocational education to higher education;
- vi. Institutionalising alignment of vocational education to higher education;

4.0 Outcomes

- i. Strategies and approaches for aligning vocational courses provided at the school level to higher education level for vertical and horizontal mobility and building new career pathways.
- ii. Innovative practices for mobility in vocational programmes.
- iii. Guidelines to facilitate horizontal and vertical mobility in vocational education.
- iv. List of vocational courses offered in School Education and Higher Education programmes.

4.0 Outcomes

The National Meeting-cum-Workshop will be attended by

- i. Policy Makers/Officials of Ministry of Education, Government of India
- ii. Officials of Ministry of Skill Development of Entrepreneurship, Government of India
- iii. Officials of the University Grants Commission (UGC)
- iv. Officials of All India Council for Technical Education (AICTE)
- v. Faculty of National Council of Educational Research and Training (NCERT)
- vi. Officials of the National Council for Vocational Education and Training (NCVET)
- vii. Faculty of National Institute of Open Schooling (NIOS)
- viii. Faculty from Indira Gandhi National Open University (IGNOU)
- ix. Faculty from State Open Universities and Institutes
- x. Officials of National Skill Development Corporation (NSDC)
- xi. Officials of Central Board of Secondary Education (CBSE)
- xii. Faculty of Regional Institutes of Education (RIEs)
- xiii. Officials and faculty of State Skill Universities
- xiv. Faculty of Community Colleges
- xv. VET Educators and Administrators
- xvi. Representatives of Sector Skill Councils
- xvii. Representative of Education Department and Skill Development Departments of States/UTs

6.0 Registration

The national meeting-cum workshop is open to all interested participants and there is no registration fee.

7.0 Dates

18 -19 January 2022

8.0 Venue/Mode

Online: **Zoom Video Conferencing**

Link : <https://zoom.us/j/92817503859?pwd=dVowejVickdlZURDTG94Z2JjeINCUT09>

Meeting ID: **928 1750 3859**

Passcode: **061788**

9.0 Programme Schedule

Day 1	Tuesday: 18 January 2022
Time	Activity
09:30 AM - 10:00 AM	Registration
10:00 AM - 11:00 AM	OPENING SESSION
10:05 AM - 10:10 AM	SARASWATI VANDANA
10:05 AM - 10:10 AM	About the Meeting: Dr. P. Veeraiah Programme Coordinator, PSSCIVE, Bhopal
10:10 AM – 10:15 AM	Video film on Virtual Tour of PSSCIVE, Bhopal
10:15 AM – 10:20 AM	Welcome Remarks: Dr. Rajesh P. Khambayat Joint Director, PSSCIVE, Bhopal, INDIA
10:20 AM – 10:30 AM	Special Guest: Shri Santhosh Kumar Yadav Joint Secretary, Ministry of Education, New Delhi
10:30 AM – 10:35 AM	Guest of Honour: Prof. Anil D. Sahasrabudhe* Chairman, AICTE, New Delhi
10:35 AM – 10:40 AM	Guest of Honour: Dr. Nirmaljit Singh Kalsi Chairman, NCVET, New Delhi
10:40 AM – 10:50 AM	Inaugural Address by the Chief Guest: Dr. Sridhar Srivastava Director, NCERT, New Delhi, INDIA
10:50 AM – 11:00 AM	Vote of Thanks: Shri. A. Palanivel Assistant Professor, PSSCIVE, Bhopal
	Master of Ceremony: Dr. V.S. Mehrotra Professor, PSSCIVE, Bhopal
11:00 AM – 11:30 AM	Tea Break and Networking
11:30 AM - 12:00 PM	Keynote Session I: Building Pathways in Vocational Education from School to Higher Education
	Session Overview: Vertical mobility of learners is the vertical progression in vocational education that has been strengthened through continued access to vocational courses, offered as diplomas, advanced diplomas, and degree courses. This session will discuss how to address individual aspirations in terms of providing flexible opportunities for horizontal and vertical mobility to vocational students and to ensure that the skills they choose

* to be confirmed

Day 1	Tuesday: 18 January 2022
Time	Activity
	to pursue are relevant to the industry demands and translate to wage or self-employment outcomes. The session will also discuss the introduction of the Credit Framework, to provide a reference point for consistency in academic standards and learning outcomes and provide a seamless pathway for career progression under the National Skill Qualifications Framework (NSQF).
	Session Chair: Prof. Shri Raj Nehru Vice-Chancellor, Vishwakarma Skill University, Haryana Rapporteur: Dr. V.S. Mehrotra Professor & Head, CDEC, PSSCIVE, Bhopal
11:40 AM – 12:00 PM	<i>Introduction of Credit Framework for building pathways in Vocational Education</i> Dr. Vinita Agarwal Executive Member, NCVET, New Delhi
12:00 PM – 12:20 PM	<i>Creating Pathways through NSQF and NHEQF</i> Dr. N. Gopu Kumar Joint Secretary, UGC, New Delhi
12:20 PM – 12:30 PM	Question-Answer Session
12:30 PM-01:30 PM	Technical Session - I: Vertical Mobility for Vocational Graduates in Higher Education: Challenges and Issues
	Session Overview: The vertical progression in vocational education needs to be strengthened so that the vocational pass-out students of schools can enter suitable vocational courses offered by Polytechnics, and Higher Education Institutes (HEIs). This session will provide a platform for the discussion on challenges and strategies about vertical mobility through academic programs including B. Voc. Courses and to create alternative pathways in higher education.
	Session Chair: Prof. N.K. Ambasht Former Chairperson, NIOS, Noida Rapporteur: Dr. Ravichandran Associate Professor, PSSCIVE, Bhopal

Day 1	Tuesday: 18 January 2022
Time	Activity
12:40 PM - 12:55 PM	<i>Vertical Mobility for Vocational Graduates: Challenges and Issues</i> Dr. Sitansu S. Jena, Professor and Dean, School of Vocational Studies, Ambedkar University, New Delhi
12:55 PM - 01:10 PM	<i>Creating Opportunities for Vocational Graduates in Higher Education</i> Smt. Mamta Rani Agarwal, Advisor, AICTE, New Delhi
01:10 PM - 01:25 PM	<i>Providing Alternative Pathways Through ODL</i> Prof. Santosh Panda, Director, STRIDE, IGNOU, New Delhi
01:25 PM - 01:30 PM	Question-Answer Session
01:30 PM - 02:30 PM	Lunch Break
02:30 PM - 04:30 PM	Technical Session - II: Facilitating Horizontal Mobility in Education
	Session Overview: This session will discuss how to develop the various options of horizontal mobility in vocational education which facilitate and promote students with proper avenues for further skill education. Also, the role of Industrial Training Institutes, Polytechnics, and other Skill Development Institutes in supporting through horizontal mobility of students and the role of National Institute of Open Schooling and State Open Schools in offering bridge courses and flexibility in courses will be discussed in this session.
	Session Chair: Prof. N.V. Varghese Vice-Chancellor, NEUPA, New Delhi Rapporteur: Dr. Pinki Khanna Professor, PSSCIVE, Bhopal
02:40 PM - 03:00 PM	<i>Emerging Role of Open Schooling in the Upward Mobility of School Graduates</i> Shri S. K. Prasad Director, Vocational Education, NIOS, New Delhi

Day 1	Tuesday: 18 January 2022
Time	Activity
03:00 PM - 03:20 PM	<i>Role of Industrial Training Institutes in Supporting Skill Training and Mobility</i> Shri Digambar Dalvi Director, Directorate of Vocational Education & Training, Mumbai, Maharashtra
03:20 PM - 3:30 PM	Tea Break and Networking
03:30 PM - 03:50 PM	<i>Role of Central Board of Secondary Education in Facilitating Horizontal Mobility of Vocational Students</i> Dr. Biswajit Shah Director, Vocational Education, CBSE, New Delhi
03:50 PM - 04:10 PM	<i>Challenges and Issues in Vertical Mobility for Vocational Students</i> Prof. Vinay Swarup Mehrotra Professor, PSSCIVE, Bhopal
04:00 PM - 04:30 PM	Question-Answer Session

Day 2	Wednesday: 19 January 2022
Time	Activity
10:00 AM - 11:30 AM	Keynote Session – II: Innovative Practices in Aligning Vocational Education to Higher Education
	Session Overview: Innovative strategies in skill development can accelerate the economic development of the nation. There is a need to develop and implement innovative practices like leveraging resources, developing entrepreneur skills, and knowledge for innovative solutions. This session will provide a platform to discuss innovative practices in aligning vocational education to higher education. It will also highlight various innovative practices in aligning vocational programmes.
	Session Chair: Dr. Leena Chandran Wadia Senior Fellow at Observer Research Foundation, Mumbai Rapporteur: Mr. A. Palanivel Associate Professor, PSSCIVE, Bhopal
10:10 AM - 10:30 AM	<i>Innovative Practices in Vocational Programmes</i> Dr. Puspender Walia Principal, BBK DAV College for Women, Amritsar
10:30 AM - 10:50 AM	<i>Innovative Practices in Further Education</i> Dr. Mohammad Husain Director of Skill Education, Rajasthan ILD Skills University, Jaipur, Rajasthan
10:50 AM - 11:10 AM	<i>Best Practices in Vocational Education</i> Dr. Tania Shaw , Programme Head, School of Vocational Education, Tata Institute of Social Sciences, Mumbai
11:10 AM - 11:20 AM	Question-Answer Session
11:20 AM - 11:30 AM	Tea Break and Networking

Day 2	Wednesday: 19 January 2022
Time	Activity
11:30 AM-12:30 PM	Technical Session – III: Breaking New Grounds for Skill Adaptation in Higher Education
	<p>Session Overview: According to the National Education Policy (NEP) 2020, a ground-breaking reform in higher education institutions is required to meet the skill demands for technological advancements, research, and fostering the unique capabilities of each student. A multidisciplinary approach is needed in school and higher education to ensure the integration of knowledge and skills for employment in the 21st century and to meet the needs of the industry. It would require innovative approaches in curriculum design and delivery, faculty development, and assessment of students. Credit-based courses and industry-based projects with a creative combination of vocational subjects and soft skills would be needed for providing flexible learning opportunities to the students. This session will deliberate upon the ground-breaking steps and practices being adopted to develop an educational model that suits the learner's need for flexible and contextualised learning opportunities.</p>
	<p>Session Chair: Dr. R.S. Rathore Dean Academics, Shri Vishwakarma Skill University, Gurugram, Haryana</p> <p>Rapporteur: Dr. P. Veeraiah Professor, PSSCIVE, Bhopal</p>
11:40 AM – 11:55 AM	<p><i>Facilitating Mobility of Vocational Graduates</i> Shri Saurabh Johari Planning Specialist & Consultant, Asian Development Bank, Bhopal</p>
11:55 AM – 12:10 AM	<p><i>Achieving Skill Mobility Through Integration of Higher Education</i> Shri Siddharth Chaturvedi Rabindra Nath Tagore University, Bhopal</p>
12:10 PM – 12:25 PM	<p><i>Building New Ground for Vertical Mobility: A Case Study</i> Dr. R. Bhavani Rao, Director, Amrita Labs, Amrita University, Coimbatore</p>
12:25 PM – 12:30 PM	Question-Answer Session

Day 2	Wednesday: 19 January 2022
Time	Activity
12:30 PM – 01:30 PM	Workshop for Group Work
	GROUP A: Integrating VET for Aligning to Higher Education Live at: https://bit.ly/3I0EuV5
	GROUP B: Role of Stakeholders in Aligning Vocational Education to Higher Education Live at: https://bit.ly/3niI99b
	GROUP C: Institutionalising Alignment of Vocational Education to Higher Education Live at: https://bit.ly/33tvFV6
	GROUP D: Creating Framework for Facilitating Horizontal and Vertical Mobility Live at: https://bit.ly/3nikqpy
01:30 PM - 02:30 PM	Lunch Break
02:30 PM – 03:30 PM	Group Work Presentation and Open Forum
03:30 PM - 03:50 PM	Open Discussion
03:50 PM - 04:00 PM	Tea Break and Networking
04:00 PM - 05:10 PM	Conclusion, Recommendations and Closing Ceremony
04:00 PM - 04:10 PM	Welcome Speech: Prof. Rajesh P. Khambayat Joint Director, PSSCIVE, Bhopal
04:10 PM - 04:20 PM	Presentation of Report of the Proceedings of the National Meeting-cum-Workshop Dr. P. Veeraiah Professor, PSSCIVE, Bhopal
04:20 PM - 04:30 PM	Presentation of Recommendations Dr. V.S. Mehrotra Professor, PSSCIVE, Bhopal
04:30 PM - 05:00 PM	Address by the Chief Guest: Shri K. Sanjay Murthy* Chairman (Additional Charge), UGC, New Delhi
05:00 PM - 05:10 PM	Vote of Thanks: Prof. Pinki Khanna Professor, PSSCIVE, Bhopal

* to be confirmed

10.0 Programme Management



Chief Patron
Dr. Shridhar Srivastava
Director
National Council of Educational
Research and Training (NCERT), New Delhi



Patron
Dr. Rajesh P. Khambayat
Joint Director
PSS Central Institute of Vocational Education
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Dr. Punnam Veeraiah
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Dr. V. S. Mehrotra
Professor
Department of Agriculture
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Dr. Pinki Khanna
Professor
Department of Home Science
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Mr. A. Palanivel
Associate Professor
Department of
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Associate Professor
Department of Humanities,
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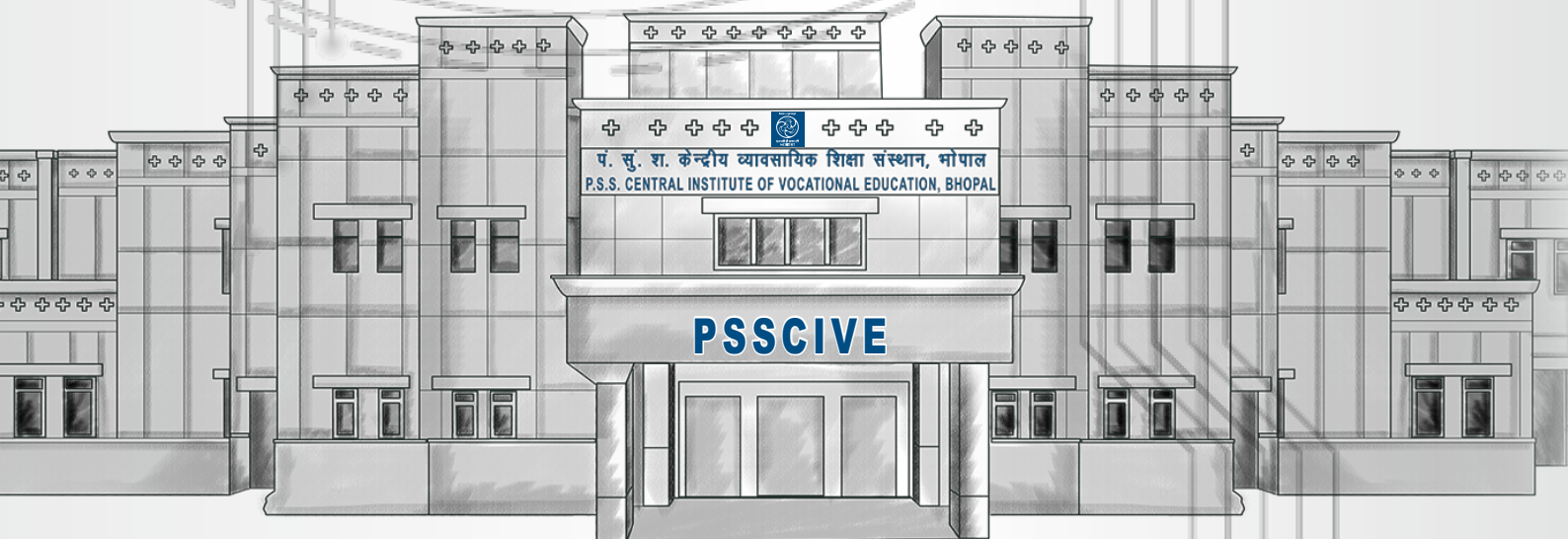
About PSSCIVE

Pandit Sunderlal Sharma Central Institute of Vocational Education

The Pandit Sunderlal Sharma Central Institute of Vocational Education (PSSCIVE) is an apex research and development organization in the field of vocational education. It is a constituent unit of the National Council of Educational Research and Training (NCERT), established in 1993 by the Ministry of Human Resource Development (MHRD), Government of India. It is also a UNEVOC (International Project on Technical and Vocational Education) Network Centre in India. The Institute has picturesque 37-acre campus with Departments created for different disciplines, like agriculture and animal husbandry, business and commerce, engineering and technology, health and paramedical, home science and humanities.

The Institute offers quality-training programmes in vocational pedagogy and a wide array of disciplines for the key functionaries in vocational education and vocational teachers. The highly qualified team of the Institute possesses excellent professional skills and experience required to impart training for classroom teaching and training.

The Institute has traversed the path of rapid development in vocational education, often responding positively to the changing needs of the industry and at times initiating significant changes in the field of vocational education. The evolution of the Institute in the last twenty-five years has witnessed various challenges, but these have served as opportunities to explore new horizons and work on possibilities of reorienting strategies for meeting the skill needs of the people at the local and global canvas.



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