



व्यावसायिक शिक्षा VOCATIONAL EDUCATION

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NCERT

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PSS Central Institute of Vocational Education

(a constituent unit of National Council of Educational Research and Training (NCERT)
under Ministry of Education, Government of India)

www.psscive.ac.in

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MESSAGE FROM JOINT DIRECTOR'S DESK



Greetings!

I am very glad to present to you the PSSCIVE "Biannual Bulletin". This bulletin encompasses comprehensive information on the latest events, achievements, and activities conducted by the institute from April 2023 to September 2023. The institute has achieved many accomplishments that have additionally enhanced the legacy of trust, and strengthened the epitome of effective organisational developments in the field of vocational education and training.

Adhering to the objectives and implementation of the National Education Policy (NEP) 2020, vocational education has emerged as a change engine to bring positive changes in the world of education. The NEP 2020 is a wide-ranging policy document that broadly discusses the refurbishing of general education. The policy emphasises bringing vocational education into conventional education practices and methods. Following NEP-2020, the Institute revamped and delivered the programmes in a well-organised manner.

I am happy to inform you that the Institute continued to conduct all PAC and PAB-approved programmes successively. All these programmes have followed the New Education Policy-2020. Presently, under PAC programmes, educational videos are developed on various job roles in different sectors and short films on pre-vocational courses. The Institute had conducted various working group meetings for various objectives both in online and offline mode. In addition, the institute also completed various training programme for the development of Master Trainers in vocational pedagogy and employability skills.

One of the momentous events of this quarter was organizing the Panel discussion and National Conference in line to *Jan Bhagidari* activities under Bharat's G20 presidency. The institute had also organised offline exhibition in line to G20 agenda in Pune and Bhubaneswar.

The institute was also a part in preparation and organizing National Yoga Olympiad 2023 which was themed on "*Yoga for Vasudhaiva Kutumbakam*".

Keeping our values lively and bringing change by implementing new endeavours, the institute celebrated World Youth Skills Day 2023 by conducting a webinar on "Skilling Teachers, Trainers and Youth for a Transformative Future". It provided an opportunity to discuss the importance of vocational education and training in equipping young people with the skills required for the future. We are hopeful that through these activities we can contribute suggestively to the encouragement and development of quality vocational education and training.

The Institute also organized activities on special days like Dr. Babasaheb Ambedkar's Jayanti, World Environment Day, Institute's 30th Foundation Day, National Yoga Day, Teacher's Day, Hindi Pakwada and Swaachta Pakwada.

Recently, the institute had hold the orientation to aware the new faculties and administrative staff regarding working and mission, vision and values of the organization. I would like to recognise the efforts of the faculties and academic staff in carrying out all of the assigned work time in firming up the VET in the country and I assure you that we will sustain our enthusiasm and keep our goals in mind as we take on novel challenges in VET.

I hope that our innovative VET-related programmes and academic backing over the past year have influenced each of you to strengthen the VET system, and I hope that we will continue to do so in the future.

Wishing you all the best for a bright future.

Deepak Paliwal
Joint Director

PAC PROGRAMME CONDUCTED BY THE INSTITUTE DURING APRIL 2023 TO SEPTEMBER 2023

01 Development

21.07 Development of Virtual tour for AMFH Sector under the Department of Home Science and Hospitality Management

A one-day field visit was planned at "Chanda Hatkargha (A Handloom Unit)" as a part of development of virtual tour of AMFH Sector by the Department of Home Science and Hospitality Management on 7th July 2023. The purpose of the visit was to document and record clips related to various process, parts and operations related to handloom. The visit was conducted seamlessly and the desired outcome was achieved, which will be incorporated in the final virtual tour.



The images and clippings of various process, parts and operations related to handloom will be incorporated in the Virtual tour on Apparel Made Ups and Home Furnishing sector. Programme was coordinated by Dr. Pinki Khanna, Professor & Head, Department of Home Science and Hospitality Management, PSSCIVE, Bhopal

21.04 Working Group Meeting (I & II) Design, Development and Maintenance of Web Applications, Social Media and Network Infrastructure of PSSCIVE

The workshop for Design, Development and Maintenance of Web Applications, Social Media and Network Infrastructure of PSSCIVE was organized at PSSCIVE, Bhopal from 17th to 20th July, 2023. One external expert attended the workshop. NIC has made mandatory to host the secure website with SSL. The main issue is regarding installation of SSL. Expert were invited for installation of SSL. To install the SSL, the activities that were performed includes – Setup development machine/ installation of virtual machine and connectivity dependencies/ configuration of application dependencies, Renewal and installation of VPN Certificate, instantiate the server and then SSL certificate installation. All these works are dependent on NIC services. We have send the service request to NIC to start internet connection on our VPS. The work of installation of SSL was successfully conducted and now the organisation's website is secured.

Second workshop programme was organised from 11th to 15th September, 2023. One external expert attended the workshop. In this workshop, the user interface for uploading the documents such as Tender, Circular, Order, Vacancies was developed. The database was designed for the same and coding for uploading these documents was done and tested. This module was then hosted in the website for uploading the documents. Programme was coordinated by Dr. Deepak Shudhalwar, Professor, Department of Engineering & Technology, PSSCIVE, Bhopal.

21.05 Working Group Meeting (I) for Development of Popularization Folder for Handicraft and Carpet Sector

A five days working group meeting for the Development of Popularization Folder for Handicraft and Carpet Sector was organized by the Department of Home Science and Hospitality management (PSS Central Institute of Vocational Education) from 17th to 21st July 2023 in online mode. Various experts including subject and technical experts participated in the meeting and shared their knowledge and expertise. The agenda of the meeting was to develop the popularization folders for various job roles in handicraft and carpet sector. The folder was finalized with all details and inputs discussed by the experts during the meeting. Programme was coordinated by Dr. Pinki Khanna, Professor & Head, Department of Home Science and Hospitality Management, PSSCIVE, Bhopal.

21.18 Development of Action Plan for the implementation of Pre-Vocational Education and Vocational Education in Tribal Schools

The programme commenced with Dr. Deepak Paliwal, Joint Director of PSSCIVE, Bhopal, delivering the opening remarks, which also set the tone for the discussions on vocational education. Dr. Vinay Swarup Mehrotra, Professor & Head, Curriculum Development and Evaluation Centre, PSSCIVE made a presentation focusing on the concept and critical importance of vocationalisation of education in schools. His presentation shed light on how vocational education can bridge the gap between academic learning and practical skills and presented a roadmap for introducing Vocational Education in Eklavya Model Residential Schools (EMRS). Mrs. Indira Mudgal, Deputy Commissioner at the National Education Society for Tribal Students (NESTS), Ministry of Tribal Affairs, Government of India gave insights into the existing EMR Schools and outlined the strategies for empowering tribal students with relevant vocational skills.

The experts include Prof. Jyotsna Tiwari from the National Council of Educational Research and Training (NCERT), Dr.

Beauty Gogoi, Academic Consultant, National Center for School Leadership, National Institute of Educational Planning and Administration (NIEPA), New Delhi, Dr. Ashu Kapur, Consultant, NESTS, Principals and Teachers from EMR Schools of Madhya Pradesh, Maharashtra, Sikkim and Tripura. Over the course of three days, a series of intensive discussions and brainstorming sessions took place, resulting in the formulation of a comprehensive action plan. This Action Plan encompasses needs assessments, infrastructure requirements, industry collaborations, course alignment with national frameworks, and a delineation of responsibilities at various levels of implementation. The Action Plan developed during this event is anticipated to serve as a guiding blueprint for the future of vocational education in tribal schools throughout India. Dr. V. S. Mehrotra, who coordinated the meeting, expressed his optimism for the initiative, stating that the endeavour is poised to redefine the educational landscape for tribal students as per the National Education Policy 2020, offering them practical skills that will empower them to excel in various aspects of life. Programme was coordinated by Dr. V. S. Mehrotra, Professor & Head, Curriculum Development and Evaluation Centre, PSSCIVE, Bhopal.



02 Training

21.08 Orientation programme of Key Functionaries for Strengthening Vocational Education in Schools of Andhra Pradesh, Telangana, Karnataka and Tamil Nadu in light of NEP 2020



have participated. Programme was coordinated by Dr. P. Veeraiah, Professor & Head, Department of Business and Commerce, PSSCIVE, Bhopal.

21.10(C) Training Programme for Developing Master Trainers on Vocational Pedagogy for the States of Andhra Pradesh, Karnataka, Telangana and Tamil

A training programme for Developing Master Trainers on Vocational Pedagogy for the states of Andhra Pradesh, Telangana, Karnataka and Tamil Nadu was held from 31st July – 4th August, 2023 at Department of Business and Commerce, PSS Central Institute of Vocational Education, Bhopal. In this programme, total 40 participants were involved, 10 from Telangana 10 from Karnataka, 10 from Tamil Nadu and 10 from Andhra Pradesh states have participated. Programme was coordinated by Dr. P. Veeraiah, Professor & Head, Department of Business & Commerce, PSSCIVE, Bhopal.



21.10(G) Training Programme for developing Master Trainers on Vocational Pedagogy for the States of J&K, Bihar, A&N Islands, Lakshadweep and Nagaland

A training program focused on Developing Master Trainers on Vocational Pedagogy was organized from 7th to 11th August, 2023, at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. The training initiative witnessed active participation from 22 educators representing diverse geographical regions, including Jammu & Kashmir, Ladakh, Andaman & Nicobar, Bihar, and Nagaland. The primary objective of the training program was to empower educators with advanced pedagogical techniques that can significantly enhance the quality of vocational education delivery. The 5-day program was meticulously designed to equip participants with innovative teaching strategies, fostering an environment that fosters creativity, engagement, and effective learning outcomes. By immersing educators in the principles of vocational pedagogy, the training aimed to catalyze a positive transformation in vocational teaching practices across the participating regions. Throughout the training, participants engaged in interactive workshops, hands-on activities, and discussions. The training sessions covered a wide spectrum of topics, ranging from innovative teaching methodologies to the effective use of technology in vocational education.



Practical exercises and group activities allowed participants to apply the concepts learned during the training, fostering a deeper understanding and skill development. The diverse participant group fostered collaborative learning and cross-cultural exchange. The training program not only empowered participants but also established a network for continuous collaboration and resource sharing. This initiative promises a positive transformation in vocational teaching practices and the overall quality of vocational education across regions. Programme was coordinated by Dr. R. Ravichandran, Associate Professor & Head, Department of Humanities, Science, Education & Research, PSSCIVE, Bhopal.

21.11(H) Training Programme for Apparel Made-ups and Home Furnishing Sector for Telangana, Tripura and Andhra Pradesh

A training programme for Vocational Teachers in the area of Apparel Made-ups and Home Furnishing was organized by the Department of Home Science and Hospitality Management (DHSHM) from 7th to 11th August 2023 at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. Various experts including subject, technical and industry experts shared their knowledge and expertise with the vocational teachers from Andhra Pradesh and Karnataka. The experts were invited to share their teaching and learning with the trainers from various specializations. The training modules for vocational teachers included training from Pattern making, Handling and Operation of sewing machine, Dart manipulation, Drafting, Cutting, garment construction, Fashion illustration, Retailing, Machine maintenance, Block printing and Tie and Dye etc. At the end of the training, a valedictory session was conducted to facilitate all the participants with certificate. Programme was coordinated by Dr. Pinki Khanna, Professor & Head, DHSHM was the Programme Coordinator.



21.08(H) Orientation Programme for Key Functionaries for Strengthening Vocational Education in light of NEP 2020 for the states of Gujarat, Daman & Diu and Dadra & Nagar Haveli

An orientation programme for Key Functionaries for Strengthening Vocational Education in Schools of for the states of Gujrat, Dadar and Nagar Haveli & Daman & Diu in light of NEP 2020 was organised from 16th to 18th August 2023 at Department of Engineering and Technology, PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. The programme was inaugurated by Dr. Dipak Paliwal, Joint Director, PSSCIVE Bhopal. During his inaugural address he welcomed the all participants and said there is need to integrate with nearby institution for sharing the resources in vocational courses. Training will help us to understand various concepts related to vocational education. Various topics related to vocational education programme as per programme schedule was taken by coordinator and Faculty of PSSCIVE Bhopal.



Programme Coordinator Prof. Saurabh Prakash Professor & Head, Department of Engineering & Technology, PSSCIVE, Bhopal, welcomed all the participants and informed the aim of the meeting. During the meeting, state official discussed VEP status of their school of their state. A visit to DMS school were made to see their innovative lab. About 29 participants participated in this programme.

21.08(B) Orientation Programme for Key Functionaries for Strengthening Vocational Education in light of NEP 2020 for the states of Uttar Pradesh, Uttarakhand and Haryana and Delhi

An orientation programme was organised from 16th to 18th August 2023 at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. In this programme, 27 key functionaries (Dy. Directors/ Principals/ Vice Principals) participated from Uttar Pradesh, Uttarakhand, Delhi & Haryana states.

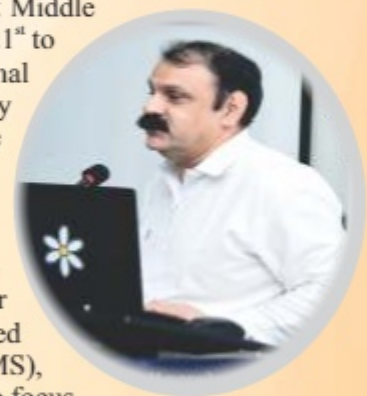
The programme was based on the theme “Strengthening Vocational Education in States/UTs in Light of NEP 2020”, that included the following sessions: NEP 2020: Re-imagining Vocational Education and Training in Schools; Status of Vocational Education in Schools: Implementation in States; Pre-Vocational Education (Grades 6 to 8); Fun-based activities; Bagless Days Activities; Vocational Education from Grades 9 to 12 under NSQF and Integration of Vocational Education with Academic Subjects; Student Support System; Role of Key Functionaries; Experiential Learning & Vocational Pedagogy; Role of PSSCIVE (development of Digital Resources, textbooks, training & Extension programmes etc.); Skilling Adults and Out-of- School Children (Skill Hub Initiative); Schemes for Promotion of Skill Development; and Recent Trends in Vocational Education. The participants were also given an exposure to the well-equipped vocational laboratories of Demonstration Multipurpose School (DMS), Bhopal and the departments of PSSCIVE, Bhopal during the programme. The participants prepared their action plans and presented it. The participants gave feedback and suggestions about the Orientation programme and they were given the certificates of participation in the valedictory function.



21.09(F) Capacity Building Programme for Teachers on Vocationalisation of education at Middle Stage (from Grades 6 to 8) for North-Eastern Region

The Capacity Building Programme for Teachers on Vocationalisation of Education at Middle Stage (from Grades 6 to 8) for the North-Eastern and Southern Region" was held from 21st to 25th August 2023. The programme was organized by the PSS Central Institute of Vocational Education (PSSCIVE), Bhopal and it aimed to equip teachers with the necessary knowledge and skills to effectively implement pre-vocational education in the middle stage of schooling, covering Classes 6 to 8.

The program was inaugurated by Dr. Deepak Paliwal, Joint Director, PSSCIVE, Bhopal. The main objective of the programme was to offer valuable training and insights to teachers about how to incorporate pre-vocational activities into their teaching methods for providing experiential learning experience to the students. Theme-based and Sector-based activities and visits to the labs/workshops and Demonstration Multipurpose School (DMS), Bhopal were organised to expose the teachers to the materials required for training. The focus was on tailoring pre-vocational education activities to meet the specific needs and developmental stages of students in Grades 6 to 8.



A total of 10 teachers from government schools in the states of Assam and other states from North-Eastern region



participated in the capacity-building programme. The teachers included were both general education teachers and vocational teachers. The participants were trained on various aspects of planning and implementing pre-vocational activities in their classroom or in the field. Faculty members of PSSCIVE took the sessions on various aspects of pre-vocational education. The programme was coordinated by Prof. Vinay Swarup Mehrotra, Professor & Head, Curriculum Development and Evaluation Centre, PSSCIVE, Bhopal.

21.09(E) Capacity Building Programme for Teachers on Vocationalization of education at Middle Stage (from Grades 6 to 8) for Southern Region

The Capacity Building Programme for Teachers on Vocationalisation of Education at Middle Stage (from Classes VI to VIII) for the North-Eastern and Southern Region" was held from 21st to 25th August 2023. The programme was organized by the PSS Central Institute of Vocational Education (PSSCIVE), Bhopal and it aimed to equip teachers with the necessary knowledge and skills to effectively implement pre-vocational education in the middle stage of schooling, covering Grades 6 to 8.

The program was inaugurated by Dr. Deepak Paliwal, Joint Director, PSSCIVE, Bhopal. The main objective of the programme was to offer valuable training and insights to teachers about how to incorporate pre-vocational activities into their teaching methods for providing experiential learning experience to the students. Theme-based and Sector-based activities and visits to the labs/workshops and Demonstration Multipurpose School (DMS), Bhopal were organised to expose the teachers to the materials required for training. The focus was on tailoring pre-vocational education activities to meet the specific needs and developmental stages of students in Grades 6 to 8.

A total of 28 teachers from government schools in the states of Andhra Pradesh, and Telangana and other states from the Southern region participated in the capacity-building programme. These teachers included both general education teachers and vocational teachers. The participants were trained on various aspects of planning and implementing pre-vocational activities in their classroom or in the field. Faculty members of PSSCIVE took the sessions on various aspects of pre-vocational education. The programme was coordinated by Prof. P. Veeriah, Professor & Head, Department of Business & Commerce PSSCIVE, Bhopal.



21.08(F) Orientation Programme for Key Functionaries for Strengthening Vocational Education in light of NEP 2020 for the states of Punjab, Himachal Pradesh and Chandigarh



An orientation programme was organised from 28th to 30th August 2023 at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. In this programme, 36 Key functionaries including Deputy Directors, Principals, Vice Principals, etc. participated from Punjab, Himachal Pradesh and Chandigarh states. The programme was based on the theme "Strengthening Vocational Education in States/UTs in Light of NEP 2020", that included the following sessions: NEP 2020: Re-imagining Vocational Education and Training in Schools; Status of Vocational Education in Schools: Implementation in States; Pre-Vocational Education (Grades 6 to 8); Fun-based activities; Bagless Days Activities; Vocational Education from Grades 9 to 12 under NSQF and Integration of Vocational Education with Academic Subjects; Student Support System; Role of Key

Functionaries; Experiential Learning & Vocational Pedagogy; Role of PSSCIVE (Development of Digital Resources, Textbooks, Training & Extension Programmes etc.); Skilling Adults and Out-of- School Children (Skill Hub Initiative); Schemes for Promotion of Skill Development and Recent Trends in Vocational Education.

The participants were also given an exposure to the well-equipped vocational laboratories of Demonstration Multipurpose School (DMS), Bhopal and the departments of PSSCIVE, Bhopal during the programme. The participants prepared the Action Plans and presented it. The participants gave feedback and suggestions about the programme and they were given the certificates of participation in the valedictory function.



The participants were oriented to comprehend various aspects of Vocational Education and Training in schools under NEP 2020. They were apprised with the roles and responsibilities of key functionaries for effective implementation of vocational courses in schools and to change the general perception and attitude towards vocational education. The participants were encouraged to identify major challenges and issues for quality Vocational Education and Training including pre-vocational education in schools in light of the National Education Policy 2020. They were also asked to formulate strategies and action plan for effective implementation of the scheme in their respective States/UTs. Programme was coordinated by Dr. Deepak Shudhalwar, Professor, Department of Engineering and Technology, PSSCIVE, Bhopal.

21.08(I) Orientation Programme for Key Functionaries for Strengthening Vocational Education in light of NEP 2020 for the states of Maharashtra, Madhya Pradesh, Chhattisgarh and Rajasthan.

An orientation programme was organised from 28th to 30th August 2023 at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. In this programme 36 key functionaries including Dy. Directors, Principals, Vice Principals, etc. participated from the states of Maharashtra, Madhya Pradesh, Chhattisgarh and Rajasthan. The programme was based on the theme “Strengthening Vocational Education in States/UTs in Light of NEP 2020”, that included the following sessions: NEP 2020: Re-imagining Vocational Education and Training in

Schools; Status of Vocational Education in Schools: Implementation in States; Pre-Vocational Education (Grades 6 to 8); Fun-based activities; Bagless Days Activities; Vocational Education from Grades 9 to 12 under NSQF and Integration of Vocational Education with Academic Subjects; Student Support System; Role of Key Functionaries; Experiential Learning & Vocational Pedagogy; Role of PSSCIVE (Development of Digital Resources, Textbooks, Training & Extension Programmes etc.); Skilling Adults and Out-of- School Children (Skill Hub Initiative); Schemes for Promotion of Skill Development and Recent Trends in Vocational Education. The participants were also given an exposure to the well-equipped vocational laboratories of Demonstration Multipurpose School (DMS), Bhopal and the departments of PSSCIVE, Bhopal during the programme. The participants prepared the action plans and presented it. The participants gave feedback and suggestions about the programme and they were given the certificates of participation in the valedictory function. Programme was coordinated by Dr. V.K. Jain, Associate Professor, Department of Humanities, Science, Education & Research, PSSCIVE, Bhopal.



21.10(H) Training Programme for Developing Master Trainers on Vocational Pedagogy for the states of Gujrat, Dadar and Nagar Haveli & Daman & Diu

A training programme for Developing Master Trainers on Vocational Pedagogy for the states of Gujrat, Dadar and Nagar Haveli & Daman & Diu was organised from 4th to 8th September, 2023 at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. Programme was inaugurated by Dr. Dipak Paliwal, Joint Director, PSSCIVE Bhopal. During his inaugural address he welcomed the all participants and said there is need to integrate with nearby institution for sharing the resources in vocational courses. Training will help us to understand various concepts related to Vocational Education. Various topics related to Vocational Education programme as per programme schedule were taken by coordinator and faculty of PSSCIVE Bhopal.



Programme Coordinator, Prof. Saurabh Prakash welcomed all the participants and informed the aim of the meeting. During the meeting, State official discussed VEP status of their school of their state. A visit to DMS school were made to see innovative labs. About 26 participants participated in this programme.

21.10(B) Training Programme for Developing Master Trainers on Vocational Pedagogy for the states of UP, Uttarakhand, Delhi and Haryana



A training programme was organised from 4th to 8th September 2023 at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. In this programme, 17 participants (vocational teachers/ regular teachers/ principals) participated from UP, Uttarakhand, Delhi and Haryana states. The training programme was based on the theme of Vocational Pedagogy, that included the following sessions: Ice-breaking and Rapport building; VET Glossaries and Terminologies; NEP 2020: Reimagining Vocational Education; NSQF: Need and importance and level descriptors; Vocationalisation of School Education; Knowledge and skills required by Vocational Teachers for effective curriculum transactions; Importance of Learning Outcome Based Vocational Curriculum; Design and Structure of Learning Outcome Based Curriculum; Presentation on Vocational Curricula developed by PSSCIVE; Concept and Need of Vocational Pedagogy; Learning and Domains of Learning; Instructional Objectives and Learning Outcomes; Skill Assessment, Evaluation and Certification: Rubric Based Assessment, Learning Indicator; Tools and Techniques of Assessment and Evaluation: Framing Questions, Assessment: Project work, Evaluate Field trip, etc; Techniques of Skill Assessment and Certification: Assessment of Vocational Skills, Assessment of Portfolio, Skill Certification Process; Pedagogy in Vocational Education and Training; Methods of Effective Learning: Interactive Lecture, Group Discussion, Peer Learning, Case Study, Role Play, Group Activity, Demonstration, OJT, Project Work, Field Visit; Integrating ICT and Teaching Learning Process; Use of Instructional Media in Micro-teaching; Student Support System for Vocational Students; Developing Vocational Skills through indoor and outdoor activities in different sectors; and Instructional Session Plan for Teaching- Learning for Vocational Subjects. The participants were also given an exposure to the well-equipped vocational laboratories of Demonstration Multipurpose School (DMS), Bhopal and the departments of PSSCIVE during the programme. Programme was coordinated by Dr. R.K. Pathak, Professor & Head, Department of Agriculture and Animal Husbandry, PSSCIVE, Bhopal.

21.10(F) Training Programme for Developing Master Trainers on Vocational Pedagogy for the states/ UTs of Chandigarh, Punjab and Himachal Pradesh

A training programme for Developing Master Trainers on Vocational Pedagogy for the States/ UTs of Chandigarh, Punjab and Himachal Pradesh was conducted at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal from 11th to 15th September, 2023. Twenty Six (26) participants from the States/ UTs of Punjab, Himachal Pradesh and Chandigarh participated in this programme. The participants were trained towards various modules of Vocational Pedagogy and NEP 2020. The technical sessions were delivered by PSSCIVE faculty members as per the schedule. On the last day the programme coordinator presented the brief report of the programme. Dr. Deepak Paliwal, Joint Director, PSSCIVE addressed the participants and ask to implement the Vocational Education in better way. The feedback of the participants were recorded through Google Form. Programme was coordinated by Dr. Deepak Shudhalwar, Professor, Department of Engineering & Technology, PSSCIVE, Bhopal.



21.10(I) Training Programme for Developing Master Trainers on Vocational Pedagogy for the states/ UTs of Madhya Pradesh, Chhattisgarh, Rajasthan and Maharashtra.

A training programme for Developing Master Trainers on Vocational Pedagogy for the States/ UTs of Madhya Pradesh, Chhattisgarh, Rajasthan and Maharashtra was conducted at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal from 11th to 15th September, 2023. Twenty three (23) participants from the States/ UTs of Madhya Pradesh, Chhattisgarh, Rajasthan and Maharashtra participated in this programme. The participants were trained towards various modules of



Vocational Pedagogy and NEP 2020. The technical sessions were delivered by PSSCIVE faculty

members as per the schedule. On the last day, the programme coordinator presented the brief report of the programme. Dr. Deepak Paliwal, Joint Director, PSSCIVE addressed the participants and ask to implement the vocational education in better way. The feedback of the participants were recorded through Google Form. Programme was coordinated by Dr. V.K. Jain, Associate Professor, Department of Humanities, Science and Education Research, PSSCIVE, Bhopal.

21.10(D) Training Programme for Developing Master Trainers on Vocational Pedagogy for the states of Tripura, Meghalaya, Madhya Pradesh and Andhra Pradesh

A training programme for Vocational Pedagogy was organized by the Department of Home Science and Hospitality Management was organized from 11th to 23rd September 2023 at PSS Central Institute of Vocational Education (PSSCIVE). PSSCIVE faculty members shared their knowledge and expertise with the master trainers from the states of Tripura, Meghalaya, Madhya Pradesh and Andhra Pradesh. The training programme had sessions regarding, Reimagining Vocational Education and Design & Structure of Learning Outcome Based Curriculum. The sessions also included pedagogy in Vocational Education and Training. At the end of the training, a valedictory session was conducted to facilitate all the participants with certificate. Programme was coordinated by Dr. Pinki Khanna, Professor & Head, Department of Home Science & Hospitality Management, PSSCIVE, Bhopal.





21.08(G) Orientation Programme of Key Functionaries for Strengthening Vocational Education in Schools across states/UTs of Jammu & Kashmir, Andaman & Nicobar, Bihar and Nagaland in light of NEP-2020

An orientation programme was organised from 25th to 27th September, 2023 at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. In this programme were attended by 10 Key Functionaries (Principals) who are involved in implementation of Vocational Education in schools in Jammu & Kashmir. The training programme was focused on NEP-2020. Status of Vocational Education in schools and its implementation in state, Pre-vocational education, Fun based activities, Integration of Vocational Education with Academic Subjects, Student Support System and Role of Key Functionaries, Experience Learning, Vocational Pedagogy and Role of PSSCIVE in different related activities, Skill Hub Initiative and Scheme for Promotion of Skill Development etc.

The event alongwith Strengthening the understanding of NEP 2020's vision, also fostered a sense of collective responsibility among the key functionaries, paving the way for more robust and inclusive Vocational Education System in the region. Programme was coordinated by Dr. R. Ravichandran, Associate Professor & Head, Department of Humanities, Science, Education & Research, PSSCIVE, Bhopal.

03

Extension

21.13 Diploma in Vocational Education and Training (DVET) Distance-Cum-Contact Mode

PSSCIVE Bhopal offers one-year Diploma in Vocational Education and Training (DVET) program in distance cum contact mode.

The DVET program aims to train teachers/ professionals in the area of vocational pedagogy. In this programme students are also given hand on experience in ICT skills as well as skills related to their sector such as Automotive, Health Care, IT-ITeS, Agriculture, Apparel and Retail. Students also get an exposure to real time industry experience in contact mode.

The DVET program, during the previous session (2022-23), witnessed enrollment of 40 students from different Sectors. The third trimester of the DVET was completed on 4 June 2023 in contact mode at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. Total 28 students from different states of India have attended the program. Currently fourth trimester of this batch is ongoing. Diploma will be awarded to those students who will successfully complete this programme.



In DVET programme for session 2023-24, 70 applications from different states across the country had been received. Orientation program of the DVET students was held on 9th October 2023 in online mode at PSSCIVE, Bhopal. Currently first trimester of this batch is going.

21.15 Indian Journal of Vocational Education

The Indian Journal of Vocational Education is a peer-reviewed National journal which welcomes submissions involving a critical discussion of policy and practice, as well as contributions to conceptual and theoretical developments in the field. It includes articles based on empirical research and analysis (quantitative, qualitative and mixed method) and welcomes papers from a wide range of disciplinary and inter-disciplinary perspectives. The objective of the journal is to provide a forum to teachers, teacher educators, educational planners and administrators and research workers to contribute articles, research papers, book reviews and abstracts related to vocational education. The journal embraces the broad range of settings and ways in which vocational and occupational learning takes place and, hence, is not restricted by institutional boundaries or structures in relation to national systems of education and training. It is interested in the study of curriculum, pedagogy, and assessment, as well as economic, cultural and political aspects related to the role of vocational and occupational education and training in society. This journal have now been recognized by UGC Care. Two volumes have been published this year, out of which one is G20 Special edition.

21.23 Regional Workshop on National Education Policy 2020 for Development of State-Wise Action Plans for Strengthening of Vocational Education in North Eastern Region

A regional workshop on National Education Policy 2020 for Development of State-Wise Action Plans for Strengthening of Vocational Education in North Eastern Region” was organised by the PSS Central Institute of Vocational Education (PSSCIVE) from 26th to 28th September 2023. The programme was inaugurated by Dr Deepak



Paliwal, Joint Director, PSSCIVE. Presentations on the status of Vocational Education in schools were made by the officials of *Samagra Shiksha*, Department of School Education, State Council of Educational Research and Training,



Board of Open Schooling, and State Boards of Mizoram, Nagaland, Tripura, Meghalaya and Sikkim. The participants visited the Vocational labs of Demonstration Multipurpose School, Bhopal. State-wise action plans for strengthening of Vocational Education in schools of the states were developed. The

programme was coordinated by Dr Vinay Swarup Mehrotra, Professor & Head, Curriculum Development & Evaluation Centre, PSSCIVE, Bhopal.

PAB PROGRAMME CONDUCTED BY THE INSTITUTE DURING APRIL 2023 TO SEPTEMBER 2023

Working Group Meeting for Development and Review of Textbook on Advance Plumbing Technician

A working group meeting on “Review and Development of Advance Plumbing Technician” was held from 26-28 July 2023 at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. The objective of this meeting was to review and develop the instructional material by PSSCIVE. Three non-local and internal faculty of Department of Engineering and Technology, discussed, modified and reviewed the content in the meeting. Programme was coordinated by Dr. Saurabh Prakash, Professor and Head, DET, PSSCIVE, Bhopal.

Working Group Meeting for Developing the Textbook of “Soy Product Processor” for Grade 11th

Department of Humanities, Sciences, Education and Research, PSS Central Institute of Vocational Education (PSSCIVE), Bhopal, organised a 5 days Working Group Meeting from 31st July- 4th August 2023 to develop the draft of the textbook for the job role of “Soy Product Processor” for Grade XI. The meeting was attended by a total 03 experts from leading Soybean research institutions and industry. The draft of textbook was reviewed, and modified by the experts. The experts included

Dr. Punit Chandra, Principal Scientist, Dr. Dipika Agrahar Murugkar, Scientist from Centre of Excellence on Soybean Processing and Utilization, ICAR CIAE, Bhopal, and Mr. Sumit Kumar Agrawal, Director, Bio-Nutrient India Pvt. Ltd, Bhopal. The programme was coordinated by Dr. R. Ravichandran, HOD, DHSER and assisted by Dr. Preeti Dixit, Assistant Professor (Contractual), DHSER. PSSCIVE, Bhopal.

Development and Finalization of Curriculum for the Job Roles Jute Product Artisan

A working group meeting for "Development & Finalization of Curriculum and Textbook for the Job Role Jute Product Artisan (Online Mode)" was organized by the Department of Home Science and Hospitality Management from 7th to 11th August 2023 at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. 05 experts including subject and technical experts, Academicians and Industry Representatives participated in the meeting and shared their knowledge and expertise. The agenda of the meeting was to develop the Curriculum and Textbook for the Job Role "Jute Product Artisan". The curriculum was finalized with all details and inputs discussed by the experts during the meeting and the development of textbooks books is under progressed. Programme was coordinated by Dr. Pinki Khanna, Professor & Head, Department of Home Science & Hospitality Management, PSSCIVE, Bhopal.

Review of Curriculum and Textbooks of Kisan Drone Operator (Grades 11th & 12th)

A working group meeting of experts was organised at PSSCIVE, Bhopal from 21st to 25th August 2023 to review the curriculum and textbooks for the job role of Kisan Drone Operator for Grades 11 and 12. Three external and two internal experts contributed to the review and finalization of the curriculum and textbooks. The experts examined the curriculum content thoroughly to ensure its accuracy, relevance, and alignment with the requirements of the Kisan Drone Operator job role for Grades 11 and 12. The experts assessed the teaching methodologies proposed in the curriculum and included the best approaches for delivering the content effectively to students, taking into consideration the nature of the subject matter and the target group. The experts checked whether the content of the textbooks was aligned with the curriculum. Based on the discussions, modifications were proposed and implemented to improve the curriculum and textbook content. The curriculum and textbooks for the vocational subject of Kisan Drone Operator were developed through online consultations and meetings held on 10th & 11th August 2023 before this working group meeting of experts. The meeting was coordinated by Dr. V.S. Mehrotra, Professor & Head, Curriculum Development & Evaluation Centre and Dr. Prerana Nashine, Assistant Professor (Contractual), PSSCIVE, Bhopal.



Development of Textbooks for Job role of Finisher & Packer (Grades 9th and 10th)

A working group meeting for development of textbooks for Job role of "Finisher & Packer" was organized from 04th to 08th September, 2023 at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. 03 experts mainly academician and representatives of the Industry, participated in the meeting and contributed for the development of text books for Grades 9th and 10th for Finisher and Packer job role. The meeting was coordinated by Dr. Pinki Khanna Prof. and Head of Department of Home Science and Hospitality Management. Mr. Amit Chotrani, Assistant Professor (Contractual) and Mrs. Nupur Shrivastava, Assistant Professor (Contractual) also participated in the meeting.

Working Group Consultation Meeting with experts of Korea Institute of Vocational Education and Training (KRIVET)

A working group consultation meeting aiming at fostering insights into the evolution of Vocational Education and the challenges posed by the 4th Industrial Revolution was successfully held at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal on 6th & 7th September, 2023 between experts from KRIVET and faculty from PSSCIVE and Regional Institute of Education (RIE), Bhopal. The meeting, which saw active participation from esteemed educators, experts, and practitioners, proved to be a pivotal platform for the exchange of knowledge and ideas on beauty and mechatronics.



The programme commenced with a warm welcome and programme briefing by Dr. Vinay Swarup Mehrotra, followed by an opening address by Dr. Deepak Paliwal, Joint Director, PSSCIVE and Dr. Jaideep Mandal, Principal, Regional Institute of Education (RIE), Bhopal which set the stage for the day's proceedings, emphasizing the significance of Vocational Education in today's rapidly changing world. The importance of collaborative efforts with Academy of Korean Studies (AKS), Korea Institute of Vocational Education and Training (KRIVET), Republic of Korea with National Council of Educational Research and Training (NCERT) in shaping the future of vocational education in the Demonstration Multipurpose School (DMS), Bhopal were discussed and the role of South Korean experts in supporting vocational courses in Beauty and Mechatronics in DMS, Bhopal were underlined during the meeting.

Presentations on future trends and prospects of Vocational Education and Training particularly in light of the challenges and opportunities presented by the 4th Industrial Revolution, Artificial Intelligence and Hyper-connected Society were made by Dr. Kim Young-sang, Dr. Oh Hoyoung, Mr. Cho Seungik and Mr. Wi Jinhwa. Ms Ahn Jung and Mr. Jinhwa Wi conducted practical sessions on mechatronics. Mr. Woo Chan Chang, Country Director, KOICA (Korea International Cooperation Agency) briefed about the discussion with Dr. Dinesh Prasad Saklani, Director, NCERT on the cooperation for setting up Mechatronics lab. Ms Lim Seon-hee conducted practical session for the Vocational Teacher of DMS and informed various aspects of Beauty and Wellness. The meeting was coordinated by Prof. Vinay Swarup Mehrotra, Head, Centre for International Relationship, PSSCIVE, Bhopal. Programme was coordinated by Dr. V.S. Mehrotra, Professor & Head, Centre for International Relationship, PSSCIVE, Bhopal.

Review and Finalisation of Curriculum of Character Designer (Grades 11th & 12th)

A working group meeting of experts was organised on 26th & 27th September, 2023 for "Review and Finalization of the draft curriculum for the job role/vocational subject of Character Designer (QP Code MES/Q0502) for Grades 11th & 12th". The meeting was attended by 3 external experts and 2 faculty members from PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. Programme was coordinated by Dr. V.S. Mehrotra, Professor & Head, Curriculum Development and Evaluation Centre, PSSCIVE, Bhopal.

Working Group Meeting for Review and Finalisation of Curriculum of Drone Operator – Multi-rotor (Grades 11th & 12th)

A Working Group Meeting of Experts was organised on 26th & 27th September 2023 for review and finalization of the draft curriculum for the job role/vocational subject of Drone Operator – Multi-rotor (QP Code AAS/Q6301) for Grades 11th & 12th. The meeting was attended by 4 external experts and 2 faculty members from PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. The meeting was coordinated by Dr. V.S. Mehrotra, Professor & Head, Curriculum Development & Evaluation Centre and Dr. Prerana Nashine, Assistant Professor (Contractual), PSSCIVE, Bhopal.

OTHERS PROGRAMMES ORGANISED IN COLLABORATION WITH STATE OF ODHISHA, KOLKATA, ASSAM AND GANGTOK DURING APRIL 2023 TO SEPTEMBER 2023

In-service Training Programme on Vocational Junior Lecturer for Odhisha state under CSS-VSE



The PSS Central Institute of Vocational Education (PSSCIVE), Bhopal and Directorate of Higher Secondary Education (DHSE), Odhisha, organized the in-service training for vocational teachers under CSS-VSE at Bhubaneswar. The training programme scheduled for 9th to 13th May, 2023 at Regional Institute of Education (RIE), Bhubaneswar. For revamping of 174 Govt Vocational Higher Secondary Schools (GVHSS) to National Skill Qualification Framework (NSQF), under STARS Programme. The faculties from Pandit Sundarlal Sharma Central Institute of Vocational Education (PSSCIVE) Bhopal imparted the training with an objective to update the knowledge & skills of the Junior Lecturers, to disseminate the information on availability of educational and employ-ability opportunity among students, to understand the existing scheme of vocational program in the state and outlining the transition from current vocational program to NSQF aligned courses and to aware on the career prospects in Vocational Education. NSQF is a competency-based framework that organizes all qualifications according to a series of levels of knowledge, skills, and aptitude. The sessions conducted in two simultaneous batches of around 100 participants each. Along with the presentations and discussions, exposure visits to the premier World Skill Centre, Mancheswar and Central Tool Room and Training Centre, Chandaka, Industrial Area, Bhubaneswar (CTTC), Ministry of MSME, Govt. of India was organised to gain practical knowledge. Participants spent about half-day in each of the campus and visited the facilities available both in its Academic, Production and Training Departments and expose themselves to the global employability opportunity in the state. The team is highly impressed with the state-of-the-art machinery and facilities available in the campus. Yoga for Health & Wellness was part of the programme.

Smt. Subhashree Nanda, Special Secretary School & Mass education department and Shri Deepak Palliwar, Joint Director, PSSCIVE, graced the valedictory session. While welcoming Shri Raghuram R Iyer, Director, DHSE highlighted on the Odisha being the first state to collaborate with PSSCIVE, Bhopal to host such kind of programme in Odisha. Alongwith faculties capacity building, lab facility, school infrastructure, etc. to be strengthened.

Prof. V. S. Mehrotra, said that Vocational Education is a system that allows individuals to get trained in the skills they have their Prowers are good at. Vocational Education is based on the idea that everyone has a different skill set. The purpose of Vocational Education is to prepare students for future careers by gaining the necessary skills and experience. It helps students develop their skills and, thus, increases their opportunities for employment. Smt. Subhashree Nanda, Special Secretary, School & Mass Education, Govt of Odisha focused on education that makes one more confident in their respective occupations. Vocational Education is the need of the hour because the practical learning experience boosts confidence, generates employability, and better professionals. Vocational education allows them to prioritize their skill set also turns it into a skill that makes their career.

Dr. Deepak Paliwal, Joint Director, PSSCIVE, was highly impressed to listen to the feedback from participants. He expressed his thanks to Commissioner-cum-Secretary & ME Department for organizing this programme with PSSCIVE and encouraged to use E-learning resources developed by PSSCIVE faculties as well as regular trainings in small batches of 40-50 to be organized. Vocational Education is the learning of skills that one is interested in and might choose to build a career out of it. At the end, vote of thanks were given by Smt Sunanda Mekap, Asst Director, DHSE to each and all present there and making the programme a success Prof. Tilottama Senapati, Deputy Director, DHSE and Prof. A. Nayak PSSCIVE, coordinated the 5 days event.

In-service Training Programme on Vocational Junior Lecturer for Kolkata in West Bengal state under CSS-VSE

The PSS Central Institute of Vocational Education (PSSCIVE), Bhopal, and the Directorate of Vocational Education and Training (DVET), West Bengal, jointly organised the in-service training for vocational teachers under CSS-VSE at the Calcutta Technical School, Esplanade, Kolkata. The training programme was scheduled for 5th to 9th June 2023. The 5-day training programme was attended by 330 vocational instructors from Howrah, North 24 Parganas, South 24 Parganas, and Kolkata in West Bengal. The dignitaries from various government departments addressed the significance of vocational teachers training and encouraged everyone present to seize the benefits that the training conducted by PSSCIVE. The resource persons from PSSCIVE were Dr. Saurabh Prakash, Dr. P. Veeraiah, Dr. Shubha Mishra and Dr. Jayashree Mahapatra who took sessions on topics 'NEP 2020 - Re-imagining Vocational Education and Training in Schools', 'Assessment and Evaluation Development of Blue Print and Rubric for assessment of competencies', 'Green Skills' and 'Pre-vocational and 10 bagless days', 'Concept of Vocational Pedagogy', 'Instructional Design, Media and Methods', 'Integration of Vocational Education with Higher Education', 'Roles and Responsibilities of Vocational Coordinators and Vocational Teachers in Implementation', 'ICT Tools for Vocational Pedagogy', 'Communication and Soft Skills', 'Guidance and Counselling for Vocational Students', 'Session Plans' and 'Apprenticeship Training'. The domain specific lectures were also conducted which covered 12 different areas, including IT & ITeS, Automotive, Healthcare, Beauty & Wellness, Plumbing, Power, Retail, Tourism & Hospitality, Apparel, Electronics, Construction, and Security. The vocational teachers were evaluated at the end of the sessions. The vocational teachers' feedback, the valedictory speech, and the awarding of certificates marked the end of the in-service training. Programme was coordinated by Dr. A. Nayak, Professor & Head, Department of Health and Paramedical Sciences, PSSCIVE, Bhopal.



Transformation in Vocational Education in Assam through Training Programme for Vocational Teachers of Schools

In a significant stride towards enhancing the quality of vocational education in schools of Assam, Dr. Vinay Swarup Mehrotra, Head, Curriculum Development and Evaluation Centre (CDEC) and UNEVOC Centre Coordinator at PSSCIVE participated as Resource Person in a comprehensive Train the Trainer program conducted from 2nd to 6th July, 2023 at Guwahati. A total of 730 Vocational Trainers, responsible for imparting Vocational Education underwent this transformative training initiative of Yuvaan Educative, a Partner of National Skill Development Corporation (NSDC) in collaboration with *Samagra Shiksha*, Department of Education, Assam. The training equipped the Vocational Trainers with advanced pedagogical methods, industry-relevant knowledge, and effective teaching strategies aligned with the National Skill Qualifications Framework (NSQF). Dr. Mehrotra played a crucial role in shaping the training curriculum and ensuring its alignment with the latest educational standards. The Vocational Trainers highlighted the practical insights gained, emphasizing the direct applicability of the learnings in their roles. The skilled vocational trainers have been actively incorporating their newfound knowledge into their teaching methodologies.



7th State Teacher Educators' Conference 2022-2023, organised by SCERT, Sikkim Addresses Vocational Education and Research in School Education

Dr. Vinay Swarup Mehrotra, Head, Curriculum Development and Evaluation Centre (CDEC) and UNEVOC Centre Coordinator at PSSCIVE participated as an Invited Speaker in the 7th State Teacher Educators' Conference organised by Sikkim's State Council of Educational Research and Training (SCERT) at Gangtok on 4th and 5th August, 2023. He spoke on the topic "Mainstreaming of Vocational Education in School Education as per the NEP 2020". Teacher Educators and Key Functionaries from the Education Departments of Sikkim, including Dr. Rabin Chetri, Director, SCERT and Officials and Faculty of SCERT and DIETs, Chief Education Officers, Joint Directors, and representatives from Block Resource Centres, Cluster Resource Centres came together to share their research work in the annual event. Shri M.P. Subba, Advisor to the Education Department, Government of Sikkim was the Chief Guest and Shri Ravindra Telang, IAS, Additional Chief Secretary, Education Department, Government of Sikkim was the Guest of Honour. A total of 19 research papers were presented by the faculty of SCERT, DIETs and other Institutes of Higher Education. Among these, 18 were oral presentations, and one took the form of a poster presentation. The annual event served as a valuable platform for collaborative discussions on the challenges and advancements in school education.



OTHERS PROGRAMMES CONDUCTED BY THE INSTITUTE DURING APRIL 2023 TO SEPTEMBER 2023

G20 - 1st Education Working Group Meeting and "Future of Work" Exhibition

The PSS Central Institute of Vocational Education, Bhopal participated in the 1st Education Working Group Meeting and "Future of Work" Exhibition organised at CSIR-IMMT, Bhubaneswar from 23rd to 28th April, 2023. The event was inaugurated on 23rd April, 2023 by Shri Dharmendra Pradhan, Hon'ble Minister of Education and Skill Development, Govt of India. The Institute participated in the Exhibition with printed materials and digital contents i.e. Podcasts, Pre-vocational (Grades 6 to and Vocational Education (Grades 9 to 12) videos of different job roles developed by PSSCIVE. The event was attended by delegates from Multinational Organizations, Delegates from G20 Member Countries, Officials from Ministry of Skill Development and Entrepreneurship (MSDE) and its allied organizations, Ministry of Education (MoE), National Skill Development Corporation (NSDC), Representatives from renowned industries and academic institutions, Students from premier academic institutions, General public and media personnel. On each day, panel discussions were held on topics viz., Deep tech with a focus on Advanced Technology in Future of Work, Transforming Logistics for Coastal Economies with a focus on Sustainability, Future of Work : Skill Architecture and Governance, Models of India and Singapore, Building Capacities, Promoting life-long learning in context of Future of Work. Education working group meetings were held on all the 06 days and exhibition on Future of Work was also organised on this occasion. Programme was coordinated by Dr. R. Ravichandran, Professor and Head, Department of Humanities, Science, Education and Research, PSSCIVE, Bhopal.

G20 Jan Bhagidari Webinar Series on Empowering Youth through Vocational Education



The PSS Central Institute of Vocational Education (PSSCIVE), Bhopal organized a webinar series under the theme "Fostering Economic Growth and Social Inclusion through Vocational Education." from 5th to 9th June 2023. This webinar series aimed to highlight the crucial role of Vocational Education in Empowering Youth, Promoting Economic Growth, and Fostering Social Inclusion. The webinar series, conducted via video conferencing, featured sessions on Recent Trends in Logistics, Disruptive Technology and Futuristic Skills, Shaping the Future of Mobility, Futuristic Trends in the Health and Allied sector, Exploring Synergies in the Apparel and Home Furnishing Sectors, and Transforming the Agriculture sector.

The webinars featured esteemed speakers from various sectors who delivered interactive lectures on specific topics. viz. Recent trends in the Logistics Sector, Shaping the Future of Mobility: Futuristic Trends in the Automotive Sector, Futuristic Trends in the Health & Allied Sector, Exploring Synergies: Innovations in the Apparel, Made-ups and Home Furnishing, Transforming the Agriculture Sector: Innovations, Sustainability, and Future Perspectives. The webinar series was successfully coordinated by Dr. R. Ravichandran, Head, DHSER, PSSCIVE, Bhopal. The event attracted approximately 250 participants from different sectors across the country, including external participants, faculty, and staff of PSSCIVE. The G20 Jan Bhagidari Webinar Series served as a valuable platform for knowledge exchange and discussion on important topics across various sectors. The participation of experts and the engagement of attendees contributed to the overall success of the event. PSSCIVE's commitment to organizing such informative webinars highlights its dedication in Fostering Skill Development and Collaboration.



Panel Discussion under G-20 Jan Bhagidari Activities



As part of the Jan Bhagidari Initiatives, one-day panel discussions took place at the PSS Central Institute of Vocational Education, Bhopal on 13th June 2023. These discussions aimed to bring together experts, researchers, educators, and practitioners to facilitate the exchange of knowledge and explore the latest advancements in work and vocational education. Dr. Deepak Paliwal, Joint Director, PSSCIVE, Dr. Vinay Swarup Mehrotra, Professor PSSCIVE, faculty and staff members of PSSCIVE, and participants were present at the inaugural event. A total of 15 panellists have participated in the panel discussions. During the first panel discussion, the focus was on 'Skills Development for the Future: Creating Pathways for Future Jobs.'

The discussion emphasized the importance of prioritizing skills development through innovative training programs, flexible learning pathways, and a strong emphasis on emerging technologies and industries. By fostering collaboration between educational institutions and industry partners and promoting lifelong learning and upskilling opportunities, sustainable pathways can be created that align with the evolving demands of the job market. In the second panel discussion, the topic was 'Enhancing Access and Quality of Vocational Education: Ways Forward.' The discussion highlighted the need to invest in infrastructure, expand outreach programs, and provide financial support to ensure equitable opportunities for all learners in Vocational Education. Encouraging partnerships with industry stakeholders, implementing rigorous quality assurance mechanisms, and integrating technology into vocational training were seen as effective ways to improve the accessibility and relevance of Vocational Education. The panel discussion concluded with a vote of thanks delivered by Dr. Vinay Swarup Mehrotra, Professor PSSCIVE. Programme was coordinated by Dr. V.S. Mehrotra, Professor & Head, Curriculum Development and Evaluation Centre, PSSCIVE, Bhopal.



National Conference on Work and Vocational Education: Emerging Trends under G-20 Jan Bhagidari Activities



The Ministry of Education in partnership with all States & UTs held *Jan Bhagidari* events throughout the country to create awareness & generate a sense of pride among various stakeholders like students, teachers, parents & community as a whole, about G-20, National Education Policy & FLN. Against this backdrop, Pandit Sunderlal Sharma Central Institute of Vocational Education (PSSCIVE), Bhopal as part of the *Jan Bhagidari* activities organised a National Conference on Work and Vocational Education: Emerging Trends on 14th June, 2023 at NINAD Auditorium of PSSCIVE to bring together experts, researchers, educators, and practitioners for knowledge exchange and exploration of the latest advancements in work and vocational education. The National Education Policy (NEP) 2020 recognizes the importance of Vocational Education in providing learners with Practical Skills, Employability, and

Entrepreneurship Opportunities. Joint Director Dr. Deepak Paliwal, PSSCIVE, Bhopal. He extended a warm welcome to Chief Guests Shri P. Narahari, Secretary, MSME, Shri C. P. Sharma, M. D., Daulatram Engineering Services and Chairperson, NITTTR and Prof. Jaydeep Mandal, Principal, Regional Institute of Education, Bhopal along with all the esteemed delegates, vocational teachers and participants from different schools and technical institutions.

Professor Sanjay Tiwari, Vice Chancellor, Bhoj Open University, Madhya Pradesh emphasized the importance of vocational education and upskilling in his keynote address. He highlighted that in today's rapidly changing world, reskilling and upskilling are crucial to adapt to the evolving job market. He recognized that India, as a developing country, needs to create more employment opportunities through upskilling initiatives in the Conference 20 scholars from various areas gave their paper presentations. Programme was coordinated by Dr. A. Nayak, Professor & Head, Department of Health and Paramedical Sciences, PSSCIVE, Bhopal.



G20 - 4th Education Working Group Meeting and "Future of Work" Exhibition

The 4th Education Working Group Meeting of the G20 was conducted at Savitribai Phule Pune University in Pune, Maharashtra, from 17th to 22nd June, 22, 2023. A six-day exhibition on the theme of "Foundational Learning, Digital Education, Research, and the Future of Work". Approximately 100 exhibitors participated, showcasing innovative practices in Education, Foundational Literacy and Numeracy, Digital Initiatives, and Research & Skill Development. Participants included were from prominent organizations such as NCERT, CBSE, UNICEF, UNESCO, IKS, NSDC, Microsoft, IIT Bombay, IISER Pune, and many more.

PSS Central Institute of Vocational Education (PSSCIVE), a constituent unit of the National Council of Educational Research and Training (NCERT), made a significant impact as an exhibitor at the NCERT stall during the week-long exhibition. The PSS Central Institute of Vocational Education, showcased a wide range of educational resources and materials related to vocational education and job roles, aiming to promote awareness and understanding among the attendees. The textbooks on different job roles served as essential references for educators and students, providing in-depth knowledge and guidance on specific vocational paths. To further engage the visitors, PSSCIVE prepared an assortment of brochures, pamphlets, and flyers that offered concise and informative overviews of different job roles. These materials provided key insights into the skills, qualifications, and career prospects associated with various vocational pathways.

The Institute utilized television screens to showcase pre-vocational education programs, enabling the visitors to witness first-hand the practical aspects of vocational training and its benefits. The exhibition attracted a diverse range of attendees, including students and teachers from government and private schools and colleges in Pune. The exhibition served as a platform for PSSCIVE to connect with various stakeholders invested in Vocational Education. Individuals

with startups, representatives from organizations like the Ministry of Skill Development and Entrepreneurship (MSDE), National Skill Development Corporation (NSDC), and companies such as Robotex India, Metavese, Dronacharya, Jio Virtual, IUCAA, CBSE, and IIT Bombay. Students displayed a strong curiosity and expressed a desire to explore various vocational pathways. They also indicated a keen interest in pursuing vocational subjects if provided as an option within their school curriculum. College students expressed regret at not having studied vocational subjects in school, as they believed it would have better prepared them for professional courses. Engaging with parents revealed their genuine enthusiasm for their children to opt for vocational subjects and their eagerness to acquire knowledge about different job roles. Many parents expressed their wish for schools to introduce vocational education, as they recognized its potential to equip students with practical skills and enhance their employability. It was apparent that most parents lacked awareness of vocational subjects being offered at the school level. When informed about the gradual introduction of NSQF-aligned vocational subjects in schools, they emphasized the urgent need for the rapid expansion of vocational education in Maharashtra to benefit their children.

Interactions with state officials and representatives stressed the importance of introducing vocational subjects in all schools, including private institutions, starting from Grade 9. They also emphasized the significance of maintaining comprehensive databases that catalog students enrolled in Vocational Education schools offering vocational courses, and available job roles within each state. Furthermore, state officials were particularly curious about the implementation of pre-vocational education and sought guidelines for its effective integration into the school curriculum. Exhibition was coordinated by Dr. Deepak Shudhalwar, Professor and supported by Dr. Preeti Dixit, Assistant Professor (Contractual) and Mr. Jivan Koli, I/c Printing & Publication, PSS Central Institute of Vocational Education (PSSCIVE), Bhopal.



CELEBRATION OF SPECIAL DAYS AND EVENTS OF THE INSTITUTE

Celebration of Birth Anniversary of Dr. B. R. Ambedkar

132nd Birth Anniversary of Dr. B. R. Ambedkar was celebrated with a lot of enthusiasm and energy on 14th April, 2023 in the premises PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. On this occasion, Prof. Mohan Singh Solanki, Mathematicians, Innovator, Trainer and author of 40 books was the chief guest of the programme. In this programme Dr. Deepak Paliwal, Joint Director, PSSCIVE, Bhopal, Prof. Dr. V. S. Mehrotra, Head, Curriculum Development & Evaluation Centre, Dr. Saurabh Prakash Head, Department of Engineering and Technology graced the occasion. The programme was attended by the staff members of the institute. The anniversary of Dr. Ambedkar was celebrated in the institute so that the staff members get acquainted with the works and reforms of Dr. Ambedkar. The program was commenced by lighting the lamp and garlanding the idols of Goddess Saraswati and photo of Dr. B.R. Ambedkar. The programme was hosted by Sh. Raju Borkar, Section Officer, PSSCIVE, Bhopal. The faculty and staff of the institute delivered speech about Dr. B.R. Ambedkar and his contribution to the society. Programme was coordinated by Shri Francis Demore, Section Officer, PSSCIVE, Bhopal.



Organisation of International Yoga Day

June 21 was declared as the International Yoga Day by the United Nations General Assembly. In its resolution, the UNGA endorsed that "Yoga provides a holistic approach to health and well-being apart from striking a balance between all aspects of life. The wider dissemination of information about the benefits of practising Yoga would be beneficial for the health of the world population. In this context, International Yoga Day was celebrated at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal on June 21, 2023. "Yoga for Humanity," is this year's theme which emphasizes the inclusive nature of yoga, catering to individuals of diverse ages, abilities, and backgrounds. Faculties of all the departments and all the staffs of PSSCIVE attended the Yoga session conducted by Shri Vijay Kumar, Assistant Professor (Yoga), in the Department of Science, Education and Research (DHSER) under Dr. V. K. Jain. The session started with Pranayam followed by simple 'asanas' (Stretching) and concluded with 'Om' chanting.



Dr. Deepak Paliwal, Joint Director, PSSCIVE graced the occasion and took part in Yoga session. Prof. Veeraiah spoke on the importance of Yoga. Prof. V. S. Mehrotra spoke on the importance of including Yoga in our daily life and motivated everyone to keep practicing yoga. The faculties and staffs gave feedback that they felt relaxed and energised after participating in the yoga session. Programme was coordinated by Dr. V.K. Jain, Associate Professor & Head, Department of Health and Paramedical Sciences, PSSCIVE, Bhopal.

30th Foundation Day Celebration of PSS Central Institute of Vocational Education

The 30th Foundation Day of PSS Central Institute of Vocational Education (PSSCIVE) was celebrated on 5th July, 2023 with great enthusiasm and fervor. The event was graced by distinguished guests, including Dr. Pragyesh Kumar Agrawal, Director of the Institute for Excellence in Higher Education (IEHE), Bhopal, and Dr. Jaydip Mandal, Principal of Regional Institute of Education (RIE), Bhopal. The occasion was presided over by Dr. Deepak Paliwal, the Joint Director of PSS Central Institute of Vocational Education, Bhopal. Dr. Saurabh Parakash, Programme Coordinator, played a significant role in organizing the event. The report of Panel Discussion organized at PSSCIVE under G20 *Janbhagidari* Activities was released on the occasion. The day also witnessed a thrilling quiz competition for Grade 11 and 12 school students. The competition aimed to assess the participants' knowledge across various subjects and vocational domains. Programme was coordinated by Dr. Saurabh Prakash, Professor & Head, Department of Engineering & Technology, PSSCIVE, Bhopal.



Celebration of World Youth Skills Day (WYSD) 2023

On the occasion of World Youth Skills Day (WYSD), which was celebrated on 5th July, 2023, the PSS Central Institute of Vocational Education (PSSCIVE) Bhopal. Organised a webinar and showcased the activities of vocational students in sectors like Beauty & Wellness, Retail, Tourism and Hospitality done in the Innovative Schools on Vocational Education of NCERT. Prof. Dinesh Prasad Saklani, Director, NCERT, Prof. Sridhar Srivastava, Joint Director, NCERT, Dr. Deepak Paliwal, Joint Director, PSSCIVE and other participants including Professors, Principals, Headmasters, Vocational Teachers, Industry Representatives, students were present in the webinar. Prof. Vinay Swarup Mehrotra informed that this year's WYSD theme is "Skilling Teachers, Trainers, and Youth for a Transformative Future" and the webinar is being organised to discuss the Roles of Design Thinking and Innovation in Fostering Entrepreneurship Among Our Teachers, Trainers and Youth. Shri Deepak Bhardwaj, an experienced professional in the field of technology and innovation and Ms Garima Bhardwaj, a professional with a strong background in design and social entrepreneurship were the key speakers on the occasion. Programme was coordinated by Dr. V.S. Mehrotra, Professor & Head, Curriculum Development and Evaluation Centre, PSSCIVE, Bhopal.



Organisation of Swachhata Pakhwada

As per the orders of the Department of Schools Education and Literacy, MoE, the institute organized *Swachhata Pakhwada* from 1st to 15th September, 2023. The campaign started with *Swachhata Shapath* by the students and teachers in the Demonstration Multipurpose School, RIE, Bhopal and at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. The students were made aware of the importance of cleanliness. During the event, all the cleaning staff of the institute cleaned all the departments, labs, conference hall. Committee rooms and labs as well as the surroundings of the institute including gardens, parking area and pathways etc. The cleaning staff were made aware of the importance of water conservation and they were asked to save atleast one litre water everyday. A *nukkad* play was also organized by the students of DMS on the importance of cleanliness. During the event, on 5th September, 2023 Teachers day was also celebrated by the Institute felicitating the teacher trainees participating in the training programmes and they were motivated to teach their students the importance of washing hands, personal hygiene and keeping their surroundings clean. A poster making competition was also organized for the students of DMS school on the theme. A *Swachhata* Walkathon was organized for the faculty and staff of the institute. On the last day of the *Pakhwada*, prizes and certificates were awarded to the winners of the competitions and the housekeeping staffs of the institute were felicitated for their diligence and dedication. Programme was coordinated by Shri Lalit Kumar, Under Secretary, PSSCIVE, Bhopal.



हिंदी पखवाड़ा - 2023

संस्थान में हिन्दी पखवाड़ा का आयोजन 15 से 29 सितम्बर, 2023 को किया गया। हिन्दी पखवाड़े का शुभारम्भ 15 सितम्बर 2023 को किया गया। संस्थान के संयुक्त निदेशक, डॉ. दीपक पालीवाल की उपस्थिति में किया गया। इस अवसर पर संयुक्त निदेशक जी ने अपने विचार व्यक्त करते हुए संस्थान में अधिक से अधिक कार्य हिन्दी में करने पर बल दिया एवं उन्होंने कहा कि हमारा संस्थान हिन्दी भाषी क्षेत्र में होने के कारण हिन्दी में काम काज करने का उत्तरदायित्व और अधिक बढ़ जाता है।

हिन्दी पखवाड़ा के अन्तर्गत निबन्ध एवं हिन्दी अनुवाद प्रतियोगिताओं का आयोजन किया गया। उक्त प्रतियोगिता में संस्थान के अकादमिक एवं प्रशासनिक वर्ग के प्रतिभागियों ने भाग लिया। हिन्दी पखवाड़े के समापन अवसर पर कार्यक्रम संयोजक हिन्दी पखवाड़ा प्रो. राजीव कुमार पाठक ने सभी अतिथियों एवं संस्थान के सदस्यों का स्वागत किया। इस अवसर पर डॉ. दीपक पालीवाल, संयुक्त निदेशक, पी.एस.एस.सी.आई.वी.ई., भोपाल एवं अतिथिगण में जाने माने वरिष्ठ कवि एवं साहित्यकार श्री रिशि कुमार पाण्डेय एवं डॉ. धीरेन्द्र शुक्ला उपस्थित थे। समापन उद्बोधन में डॉ. दीपक पालीवाल, संयुक्त निदेशक, पी.एस.एस.सी.आई.वी.ई., भोपाल ने हिन्दी के महत्व को समझाते हुए हिन्दी में कार्य करने के लिए प्रोत्साहित किया।

इस कार्यक्रम में वरिष्ठ साहित्यकार डॉ. धीरेन्द्र शुक्ला ने हिन्दी की देश में वर्तमान स्थिति पर प्रकाश डाला एवं श्री रिशि कुमार पाण्डेय ने कविता पाठ किया। तत्पश्चात् संस्थान के संयुक्त निदेशक एवं अतिथि विद्वानों की उपस्थिति में प्रतियोगियों को प्रमाण पत्र एवं पुरस्कार राशि प्रदान की गयी। अन्त में कार्यक्रम समन्वयक प्रो. राजीव पाठक ने सभी संकाय सदस्य एवं कर्मचारियों को धन्यवाद ज्ञापित किया।



Welcome Our New Faculty and Staff

Dr. Munesh Chandra, Professor, Department of Engineering and Technology, PSS Central Institute of Vocational Education, Bhopal.



Dr. Vinod Kumar Yadav, Associate Professor, Department of Engineering and Technology, PSS Central Institute of Vocational Education, Bhopal.



Dr. Pravin Narayan Mahamuni, Associate Professor, Department of Business and Commerce, PSS Central Institute of Vocational Education, Bhopal.



Dr. Prakash Chandra Rout, Assistant Professor, Department of Business and Commerce, PSS Central Institute of Vocational Education, Bhopal.



Dr. Sangamesh Hugar, Assistant Professor, Department of Business and Commerce, PSS Central Institute of Vocational Education, Bhopal.



Dr. Rakesh Kumar Raman, Assistant Professor, Department of Humanities Science, Education and Research, PSS Central Institute of Vocational Education, Bhopal.



Dr. Sonam Singh, Assistant Professor, Department of Humanities Science, Education and Research, PSS Central Institute of Vocational Education, Bhopal.



Mr. Lalit Kumar, Under Secretary, PSS Central Institute of Vocational Education, Bhopal.





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