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एन सी ई आर टी
NCERT

पं.सुं.श. केन्द्रीय व्यावसायिक शिक्षा संस्थान, भोपाल

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)

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MESSAGE FROM JOINT DIRECTOR'S DESK

It gives me immense pleasure to present to you all the Biannual Bulletin on Vocational Education for the period April 2022 to September 2022. Academics is not just about theoretical learning. It is also about applying learning in life and at workplace. Students must continually hone their skills by keeping abreast with the new skills in the world of work. This bulletin will provide a platform for exchanging information and showcasing the activities conducted by the Institute. It will also work as a stimulus to inspire everyone to organise and contribute in various events with passion and zeal. I am thankful to the contributors and the editorial team for their contribution in bringing out this bulletin which exquisitely captures the goals and objectives of PSS Central Institute of Vocational Education (PSSCIVE), which continuously endeavours for effective implementation of Vocational Education in schools through its activities and training programmes. The Institute subscribes to the philosophy of “innovations blended with tradition” through vocational education. The Institute is committed to this philosophy and therefore, constantly complements vocational learning with general education. To fulfil the recommendations of the National Education Policy (NEP) 2020, the Institute is continuously and diligently making the efforts of integrating vocational education with general education at early ages and stages of schooling. To achieve this objective, the Institute has brought out the guidelines for “bagless days” and “pre-vocational education”. The Institute is constantly making efforts in bringing about necessary improvements in the development of curricula, textbooks and digital resources and organisation of training activities, especially in view of the recommendations of the NEP 2020 on the need of reimagining vocational education.

During the last six months, the Institute has conducted programmes approved by the Programme Advisory Committee (PAC) of National Council of Educational Research and Training (NCERT) and Project Approval Board (PAB) of *Samagra Shiksha* under the Ministry of Education (MoE), Government of India. These programmes are aligned with the recommendations of the NEP 2020. The Institute has celebrated 29th Foundation Day of PSSCIVE, World Youth Skills Day, NCERT's Foundation Day, *Swachhata Pakhwada*, Hindi *Pakhwada*, etc. during April 2022 to September 2022 to bring about necessary awareness on the importance of vocational education and skills development for achieving the goal of skilling people for clean and green environment.

I would like to recognise the efforts of the faculty and academic staff in carrying out the assigned work successfully.

I wish all the best to the readers for their future endeavours.

Deepak Paliwal
Joint Director

**PROGRAMMES CONDUCTED BY THE INSTITUTE
DURING 1st APRIL 2022 TO 30th SEPTEMBER 2022**

1. DEVELOPMENT PROGRAMMES

The Institute develops guidelines, curricula, textbooks, modules, and digital resources on various aspects of vocational education. The curricula and textbooks are being developed for the vocational subjects being offered as per the job roles in different sectors of economy. These vocational subjects are being offered from Grades 9 to 12. The guidelines and teaching-learning resources are being developed in consultation with the experts in the field and representatives of various institutions/organisations/agencies involved in VET. The following activities were organised under the programmes approved by Programme Advisory Committee (PAC) of NCERT.

1.1 Working Group Meeting for Development of Popularisation Folders for 12 Job Roles of Apparel, Made-ups & Home Furnishing Sector held from 9th to 13th May, 2022

The working group meeting of experts in the Apparel, Made-ups & Home Furnishing Sector was organised for the development of popularisation folders of 12 job roles of Apparel, Made-Ups & Home Furnishing sector. The job roles included Inline Checker, Fabric Checker, Assistant Fashion Designer, Store Keeper, Embroidery Machine Operator, Export Assistant, Packer, Hand Embroiderer, Hand Embroiderer-Addawala, Self-Employment Tailor, Sewing Machine Operator and Specialised Sewing Machine Operator. Four experts from the sector attended the meeting held from 9th to 13th May, 2022.



The popularisation folders are being developed to create awareness about the job roles in the Apparel, Made-ups and Home Furnishing sector. These folders include both text and graphic elements and are being designed to be informative and attractive. Information being provided through the popularisation folders include scope, employment opportunities, course content and provision for career or vertical mobility. The programme was coordinated by Prof. Pinki Khanna.

1.2 Workshop for Development of Web Applications for PSSCIVE Website held from 11th to 21st July, 2022

The workshop for development of web applications and support for the Institute's website was organised from 11th to 21st July, 2022 at PSSCIVE, Bhopal. The experts worked with the programme coordinator and programmer on updating the website with some modifications and additions in web applications. This included the mail server configuration in National Informatics Centre (NIC) server, changes in the main menu content, which has been switched into 3 level navigation, updation of main menu content and changes in the overall design, inclusion of current year programmes, etc.

The website has been made dynamic so that the updation and addition of new content to the website can be easily done by the web administrator. The programme was coordinated by Prof. Deepak Shudhalwar.

1.3 Workshop for the Development of Questionnaires for the Research Project on Try-out of Guidelines for Implementation of 10 Bagless days in Schools (Grades 6 to 8) held from 16th to 18th August, 2022

A three-day working group meeting was conducted from 16th to 18th August, 2022 to develop questionnaires for the research project on “Tryout of Guideline for Implementation of 10 Bagless Days in Schools” for students of Grades 6 to 8. Experts from Kendriya Vidyalaya, Navodaya Vidyalaya and National Institute for Teachers' Training and Research (NITTTR), Regional Institute of Education (RIE), Bhopal and PSSCIVE, Bhopal participated in the 3 days meeting. Two questionnaires were developed in the meeting which are to be administered for seeking feedback on the guidelines from the teachers and students.



1.4 Working Group Meeting for Development of Questionnaire for the Research Project “A Study of Implementation of Vocational Education and Training Programme in India” held from 30th to 31st August, 2022

A Working Group Meeting of experts was organised by the Department of Business and Commerce, PSSCIVE for development of questionnaires for the research study titled “A Study of Implementation of Vocational Education and Training Programmes in India”. The objectives of the research programme are to find out the present status of Vocational Education (VE) in schools of States and to identify the problems and suggest measures for strengthening the implementation of VE in the States. Four questionnaires were developed for data collection from heads of the schools, vocational teachers, students and parents, and One interview schedule was also developed for collecting information on the opinion of the parents.

1.5 Video Shooting for Development of Digital Resources for the Job Role of Hand Embroider under Apparel Made-Ups and Home Furnishing Sector from August to September 2022

The Department of Home Science and Hospitality Management organised video shootings for developing video films on the various topics covered under the job role of Hand Embroiderer (Grade 10) from August to September 2022. Subject experts from the apparel field participated and contributed in the video shoots. The topics of video included both practical and theoretical knowledge about the topics. The programme was coordinated by Prof. Pinki Khanna.

2.0 TRAINING PROGRAMMES

2.1 Orientation programme for Key Functionaries of Jammu & Kashmir, Andaman and nicobar Islands, Bihar and Nagaland on NEP-2020 to Strengthen Vocational Education in Schools held from 30th May to 1st June 2022

The Orientation Programme for Key Functionaries to Strengthen Vocational Education and Training in Schools for the States/ UTs of Jammu & Kashmir, Andaman & Nicobar Islands, Bihar and Nagaland was conducted from 30th May to 1st June 2022 in virtual mode. Seventy-one (71) key functionaries, including officials from Samagra Shiksha, officials from District Institute of Education and Training (DIET), Principals, and Vocational Coordinators from the States/UTs attended the programme. In the Inaugural session, Dr. Ravichandran, Programme Coordinator briefed the participants about the objectives of the programme. Prof. Vinay Swarup Mehrotra, Joint Director (I/c) welcomed the participants and spoke about the various recommendations and suggestions of the National Education Policy (NEP) 2020 with regard to the reimagining of vocational education. He stated that the NEP 2020 has emphasised the need for integration of vocational education with general education. The focus is also given to the implementation of bagless days during which the children will be participating in pre-vocational activities, fun-based activities and internships from Grades 6 to 8. He highlighted the need to strengthen the vocational education in schools with the participation of stakeholders of VET, including parents, teachers, industry representatives, employers, etc. The topics covered during the orientation programme included improving social image of VE, Pre-vocational Education, Fun-based Activities, Activities for Bagless Days, Student Support System, Vocational Interest Inventory, Integration of VE with Higher Education, ICT tools for Vocational Pedagogy, Assessment of Learning, Entrepreneurial Skills, and Preparation of Session Plans.

2.2 Online Orientation Programme on NEP 2020 for Key Functionaries of Assam, Tripura, Arunachal Pradesh and Meghalaya to Strengthen Vocational Education in Schools held from 12th to 14th July, 2022

An Orientation Programme on National Education Policy 2020 for the Key Functionaries of States Assam, Tripura, Arunachal Pradesh and Meghalaya Strengthen Vocational Education in Schools was organised by PSSCIVE from 12th to 14th July, 2022 in virtual mode. One hundred twenty-nine Key Functionaries, including officials from *Samagra Shiksha*, officials from District Institute of Education and Training (DIET), Principals, and Vocational Coordinators from the States/UTs attended the programme. In the inaugural session, Dr. Pinki Khanna, Programme Coordinator briefed the participants about the objectives of the programme. Prof. Vinay Swarup Mehrotra, Joint Director (I/c) welcomed the participants and spoke about the various recommendations and suggestions of the National Education Policy (NEP) 2020 with regard to the reimagining of vocational education. He stated that the NEP 2020 has emphasised the need for integration of vocational education with general education. The emphasis is also given to the implementation of bagless days during which the children will be participating in prevocational activities, fun based activities and internships from Grades 6 to 8. He emphasised the need to strengthen the vocational education in schools with the participation of stakeholders of VET, including parents, teachers, industry representatives, employers, etc. The topics covered during the orientation programme included improving social image of VE, Pre-vocational Education, Fun-based Activities, Activities for Bagless Days, Student Support System, Vocational Interest Inventory, Integration of VE with Higher Education, ICT tools for Vocational Pedagogy, Assessment of Learning, Entrepreneurial Skills, and Preparation of Session Plans.

2.3 Online Orientation Programme of Key Functionaries of Gujarat, Daman & Diu and Dadra & Nagar Haveli on NEP 2020 to Strengthen Vocational Education in Schools held from 8th to 12th September, 2022

An Online Orientation Programme on for the key Functionaries of Gujarat, Daman & Diu and Dadra & Nagar Haveli was organised by PSSCIVE, Bhopal from 8th to 12th September, 2022. Key Functionaries of Gujarat, Daman & Diu, and Dadra & Nagar Haveli, including 61 Principals and Vocational Trainers attended the programme. The main objective of the programme was to strengthen Vocational Education and Training in view of the recommendations of the NEP 2020 on reimagining and strengthening vocational education.

The programme was inaugurated by Dr. Ashok Choudhry, Secretary, GCERT Gandhinagar. Mr. Choudhry, while addressing the programme said that there is a need to strengthen vocational education programmes in the country. He further added that more and more students should join vocational training. Ms. Jayshree Dewangan, IAS ASPD, Samagra Shiksha, Gujarat, also interacted with participants and suggested interventions for effective implementation of the programme. Mr. Hitendra Joshi, Incharge, Vocational Education informed that Gujarat as a state is expanding the Vocational Education programme in more schools. Various technical sessions were taken by the programme coordinator Dr. Saurabh Prakash, Professor and Head, DET and Dr. P. Veeriaha, Professor PSSCIVE Bhopal. During Valedictory Programme, Dr. T. S. Joshi, Ex-Director, GCERT shared the importance of VEP in Gujarat state and distributed the certificates. Various technical sessions were also conducted during the programme. In the first technical session, Dr. Pinki Khanna discussed about the programme schedule and background paper of the programme. Different technical sessions were taken by faculty of PSSCIVE and resource persons. State Officials also joined discussion on various issues on the implementation of vocational education. Open discussion of participants with faculty was also organised on last day of the programme.

2.4 Online Orientation Programme of Key Functionaries of Gujarat, Daman & Diu and Dadra & Nagar Haveli on NEP 2020 to Strengthen Vocational Education in Schools held from 28th to 30th September 2022

An Online Orientation Programme on 'NEP 2020' was organised by PSSCIVE, Bhopal, from and 28th to 30th September 2022. Key Functionaries of Gujarat, Daman & Diu, and Dadra & Nagar Haveli, including 61 principals and vocational trainers attended the programme. The main objective of the programme was to strengthen Vocational Education and Training.

The programme was inaugurated by Dr. Ashok Choudhry, Secretary, GCERT Gandhinagar. Mr. Choudhry, while addressing the programme said

that there is a need to strengthen vocational education programmes in the country. He further added that more and more students should join vocational training. Ms. Jayshree Dewangan, IAS ASPD, Samagra Shiksha, Gujarat, also interacted with participants and suggested interventions for effective implementation of the programme. Mr. Hitendra Joshi, Incharge, Vocational Education informed that Gujarat as a state is expanding the Vocational Education programme in more schools. Various technical sessions were taken by the programme coordinator Dr. Saurabh Prakash, Professor and Head, DET and Dr. P. Veeriaha, Professor PSSCIVE Bhopal. During Valedictory Programme, Dr. T. S. Joshi, Ex-Director, GCERT shared the importance of VEP in Gujarat state and distributed the certificates.



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2.5 Training of Vocational Teachers for the Job role of Animator and Texturing Artist under Media and Entertainment Sector held from 23rd to 27th May, 2022

The Institute organised a five-day training programme for vocational teachers of the job role- Animator and Texturing Artist under Media and Entertainment sector, from 23rd to 27th May, 2022 at PSSCIVE in virtual mode. Four teachers from the state of Goa attended the programme. The objective of the programme is to develop vocational skills for the implementation of learning outcome-based vocational curriculum of Texturing Artist and to train the vocational teachers on improving quality of vocational education in schools. In the five day training programme, theory and practical sessions were organised on various topics related to the job roles which included 3-D Production Pipeline, Introduction to Adobe Photoshop, Texturing 2D and 3D textures, Basics and Principles of Animation, Digital Photography, Lighting for Photography, Sculpting Software Blender, Mud Box, Zbrush etc., UV Mapping and Procedural Textures, and topics on vocational education like National Skill Qualification Framework, Learning Outcome-based Vocational Curriculum, Vocational Pedagogy, Lesson Plan, Green Skills, etc. Group work, assignments and online hands-on experience were given to the participants. Feedback of the programme was obtained from the trainees for the implementation of suggestions in the future training programmes.

2.6 Training Programme for Developing Master Trainers on Vocational Pedagogy for Andhra Pradesh, Telangana and Karnataka held from 11th to 15th July, 2022

Training Programme for Developing Master Trainers on Vocational Pedagogy of Andhra Pradesh, Telangana and Karnataka held from 11th to 15th July, 2022 at Department of Business and Commerce, PSSCIVE, Bhopal. In this programme 37 participants were participated out of which 14 participants belonged to Andhra Pradesh, 11 were from Telangana and 12 were from Karnataka.



The participant trainers/teachers and coordinators during the programme learned about NEP 2020: Re-imagining Vocational Education and Training in Schools, Concept of Vocational Pedagogy; Instructional Design, Media and Methods; Development of Session Plan for Vocational Pedagogy; Development of Blue Print and Rubric for Assessment of Competencies; Communication Skills; Self-management Skills; ICT skills; Entrepreneurship Skills; Green Skills for Vocational Pedagogy; Vocational Education in the New Pedagogical Structure; Planning and Implementation of Pre-vocational Activities; Bagless Days from Grades 6 to 8. Preparation and presentation of Session Plan and Assignments by Vocational Teachers in different sectors viz., Business and Commerce, Agriculture and Animal Husbandry, Engineering and Technology; Home Science and Hospitality Management; Health and Paramedical. At the end the issues and challenges in implementation of VEP in concerned states were also discussed.

2.7 Training Programme for Developing Master Trainers on Vocational Pedagogy of Andhra Pradesh, Telangana and Karnataka held from 11th to 15th July, 2022



The Training Programme for Developing Master Trainers on Vocational Pedagogy for the States Andhra Pradesh, Telangana and Karnataka was conducted from 11th to 15th July, 2022 at PSSCIVE, Bhopal. Fifty-nine (59) Vocational Trainers from the states of Andhra Pradesh, Telangana and Karnataka attended the training programme. Dr. P. Veeraiah, Coordinator of the Programme briefed the objectives of the training programme. Prof. Vinay Swarup Mehrotra, Joint Director inaugurated the programme and addressed the participants and briefed them about the various recommendations and suggestions of the National Education Policy (NEP) 2020 with regard to the reimagining of vocational education. He informed the participant trainers that

the NEP 2020 has emphasised the need for integration of vocational education with general education. In the technical sessions, the faculty of the Institute took sessions on the various aspects of vocational pedagogy and employability skills. The participants were given assignments on development of session plans on the various components of employability skills, including communication skills, self-management, ICT skills, entrepreneurial skills and green skills. They also prepared presentations on the vocational skills related to the vocational subjects that they are teaching. In the valedictory session, the participants shared their experience and knowledge gained during the training programme. The participants assured the Coordinator that whatever they will share the learning of this programme with other teacher and VET stakeholders and pass-on the skills to the students.



2.8 Teachers Training Programme on Automobile Technology Implemented under *Samagra Shiksha* held from 22nd to 26th August, 2022

A five-day Vocational Teachers Training for the Job Role under Automobile Sector was conducted at PSSCIVE Bhopal, from 22nd to 26th August, 2022. About 11 participants from Goa state attended this programme. The objective of the training programme was to create awareness about different aspects of new development in Automobile Technology. Programme was inaugurated by Dr. Deepak Paliwal, Joint Director, PSSCIVE Bhopal. The Joint Director welcomed all the participants and emphasised the need of skill training for the development of the country. During the inaugural session, Dr. Saurabh Prakash, Programme Coordinator, welcomed all the participants and conveyed about the aim and objectives of the programme.

During the training programme, various topics as per programme scheduled were discussed and trainees interacted on all the related topics. Participants interacted on various topics like electric system of vehicle, hybrid vehicle, different types of fuel, role of sensors, battery management, service and maintenance of vehicle, electric vehicle and development of Automobile working. Participant demonstrated various skills and presented group work on topics given. During practical, teacher observed and operated different components of automobile systems, including dismantling and assembling of IC engine, diagnostic software of vehicle. To assure practical competency the participants were taken on a visit to CI Hyundai Service centre and CRISP.

During valedictory session, participants shared their opinion about the programme. Thereafter, the Joint Director distributed the certificates to the participants. In the closing session, the Programme Coordinator proposed the Vote of thanks for active participation and contribution by the participants.

2.9 Training of Teachers of North-Eastern States on Implementation of Pre-Vocational Education from Grades 6 to 8 (Online Mode) (Dates)



The Training programme for Training of Teachers on Implementation of Pre-Vocational Education from Grades 6-8 for North-Eastern States was held at PSSCIVE, Bhopal in virtual mode. 229 participants from Arunachal Pradesh, Tripura, Meghalaya, Assam, Mizoram, Nagaland and Sikkim states participated in the programme. The programme was inaugurated by Prof. V.S. Mehrotra, I/c Joint Director, PSSCIVE, Bhopal. Prof. Pinki Khanna, Programme Coordinator and Head, Department of Home Science and Hospitality Management, PSSCIVE, Bhopal

welcomed all the guests, participants and presented a brief about the programme. She also explained major functions and activities of PSSCIVE, Bhopal. Dr. Deepak Paliwal, Joint Director connected online on 2nd August, 2022 with the participants and addressed them regarding status and scenario of Vocational Education in India. The technical sessions were taken by the faculty members of the Institute on all the five days as per the schedule. In the valedictory session, the participants from different states gave their feedback regarding content, quality of the programme and submitted online.

2.10 Vocational Teachers Training Programme for the Job Roles under Apparel Made-Ups and Home Furnishing Sector held from 22nd to 26th August, 2022

A 05 days Training for Vocational Teachers of Apparel, Made-Ups and Home Furnishing Sector was organised from 22nd to 26th August, 2022 at PSSCIVE, Bhopal. Thirty-one Vocational Teachers from Andhra Pradesh, Karnataka and Telangana participated in this training programme. The programme was inaugurated by Dr. Deepak Paliwal, Joint Director, PSSCIVE Bhopal, and coordinated by Dr. Pinki Khanna, Professor and Head, Department of Home Science and Hospitality Management, PSSCIVE, NCERT, Bhopal.

In the inaugural, session Dr. Pinki Khanna explained the role of vocational teachers and status of Apparel, Made-ups and Home Furnishing sector in India. Different sessions related to various job-roles (apparel production process, elements and principles of design, fashion illustration, surface ornamentation techniques with special emphasis on hand-embroidery and adda-work) were organised by the experts from this area to contribute in the existing knowledge and skills of the vocational teachers. A demonstration of different sewing machine and embroidery machine was also organised in which the participants learnt about different parts, repairing and maintenance of the machine. A field visit was planned to Praveen's Boutique where the participants learnt about different industrial machines and the whole process of apparel production. The participants also visited to the Textile Gallery, where they learnt about the rich history of textiles and costumes from many Indian states.



2.11 Capacity Building Programme for Teachers on Employability Skills in Vocational Education held from 26th to 30th September, 2022

The Capacity building programme was organised from 26th to 30th September, 2022 at PSSCIVE, Bhopal. In this programme 27 vocational teachers participated from Delhi state. The capacity building programme was based on the theme of Employability skills, that included the following sessions: Vocationalisation of school education under Samagra Shiksha – Policies and Practices, Industrial requirement and employability skills, Communication skills, ICT skills, Pedagogical Techniques for Employability skills, Assessment and Evaluation of Employability skills, Reimagining NEP 2020, Roles of Teachers in Employability Skills Development, Self-Management skills, Green Skills, Preparation of Lesson/ Session plan for employability skills. 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.



2.12 Organisation of Online Sessions for the Diploma Programme in Vocational Education and Training

Online sessions were conducted from 1st May to 30th September, 2022 by experts and faculty members for modules of subject papers of the Diploma Programme in Vocational Education (DVET) being implemented by the PSSCIVE in distance-cum-contact mode.

II. PAB Programmes conducted by the Institute

The Institute undertook the major task of development of students' textbooks and teacher handbooks for 52 job roles in 18 sectors under NSQF approved by the Project Approval Board (PAB), Samagra Shiksha Abhiyan, the Ministry of Education (MoE), and Government of India. During the year 2021-22, the Institute organised 30 working group meetings in online as well as contact mode for the development of students textbooks on various job roles of different sectors under NSQF under PAB which include Guest-House Caretaker, Irrigation Service Technician, Small Poultry Farm, Field Technician- Air Conditioner, Agriculture Machine Operator, CRM Domestic Voice, Field Technician – Refrigerator, Assistant Hair Stylist, Inline Checker, Fabric Checker, Optical Fibre Technician, Storyboard Artist, Solar Water Pump Technician, Junior Software Developer, Individual Sales Professional, Citrus Grower, Mango Grower, Spices Crop Grower, Pulses Crop Cultivator etc.

1. Working Group Meeting for Development of Textbooks
2. Innovative Model Schools of Vocational Education

Ten Innovative Model Schools for Vocational Education are being run by NCERT in four Demonstration Multipurpose Schools of NCERT and six state schools in Rajasthan, Madhya Pradesh, Karnataka, Meghalaya, Odisha and Tripura under the PAB (*Samagra Shiksha*) approved project.

III. Celebration of Special Days and Events

1.0 Celebration of 29th Foundation Day of PSS Central Institute of Vocational Education (PSSCIVE) on 5th July, 2022

Pandit Sunderlal Sharma Central Institute of Vocational Education (PSSCIVE), a pioneer in the field of vocational education, celebrated its 29th Foundation Day on Tuesday, July 05, 2022. On this occasion, a blood donation camp was organized along with plantation of saplings in which the officers and employees of the organization took part enthusiastically. In the NINAD Auditorium of the Institute, Dr. Anand Kumar Singh, Principal, Institute of Hotel Management (IHM), Prof. Vinay Swarup Mehrotra, Officiating Joint Director, PSSCIVE, Prof. Jaideep Mandal, Principal (I/c), Regional Institute of Education, and representatives of different Sector Skill Councils graced the occasion. Mr. Anubhav Dubey, co-founder of Chai Sutta Bar (Start-up) shared his journey of entrepreneurship and



experiences with the audience, which also included teachers and students. A booklet on achievements of PSSCIVE and Program Calendar for the programmes to be conducted by the Institute from 1st April 2022 to 31st March 2023 were released on the occasion. Compact Discs containing the video films on vocational education developed by the Institute were released on 5th July 2022 as part of the celebrations.

2.0 Celebration of World Youth Skills Day (WYSD) on 15th July, 2022

A programme on the occasion of World Youth Skills Day 2022 was organised on 15th July 2022 at PSSCIVE. The Theme of the programme was “Transforming Youth Skills for the Future”. This Programme was coordinated by Dr. Saurabh Prakash, Prof. and Head, DET. The programme was inaugurated by the Joint Director, In-Charge, Prof. Rajeev Kumar Pathak. He welcomed the participants by wishing and congratulating everyone on World Youth Skills Day and mentioned the importance of the skills in our day-to-day life. While speaking to the guests and participants he talked about the importance of celebrating World Youth Skills Day 2022. Further, he spoke about the inculcation of vocational education through education in NEP 2020. Programme Coordinator Prof. Saurabh Prakash, welcomed the Joint Director, guests and participants. Two experts from the skill industry Mr. Mukesh Saini (Florist) and Mr. Sudhir Vishwakarma (Master trainer, Automotive) were invited as special guests on this occasion. The



programme commenced with a lamp-lighting ceremony. A presentation was also given by Assistant Prof. Ankit Chauhan (Automobile) on the topic “Maintenance of two-wheeler in the rainy season”. Important skill activities on preparation of flower bouquet by Mr. Mukesh Saini (Florist), repair and maintenance of two-wheeler by Mr. Sudhir Vishwakarma (Master trainer, Automotive) and use of green energy was coordinated by Mr. Manoj Darwai, Assistant Professor, Solar Energy who presented the topic “Role and Importance of Green Energy in Our Daily Life” as well. A quiz contest based

on World Youth Skill Day was also organised in which all the participants participated actively. The programme was concluded with a vote of thanks by Dr. Saurabh Prakash.

3.0 Celebration of NCERT's Foundation Day on 1st September, 2022

The NCERT Foundation Day was celebrated in PSSCIVE followed by the celebration of Swachhata Pakhwada which started with taking the Oath for Swachhata. The programme took place under the chairmanship of Dr. Deepak Paliwal, Joint Director, PSSCIVE, Bhopal on 1st September, 2022. All academic faculties, technical faculties, contractual faculties and other staff members were present during the programme. The Joint Director and faculty addressed the audience and shared the achievements of the NCERT and PSSCIVE.



4.0 Collaborative Meeting and Workshop on the Indo-Finnish Project with Finnish Delegates for Professional Development of Vocational Teachers held on 25 August, 2022

Pandit Sundarlal Sharma Central Institute of Vocational Education (PSSCIVE), Bhopal organized a collaborative meeting and workshop with the delegates from Finland on 25 August 2022, to discuss the tenets of the Indo-Finnish project on professional development of Vocational Teachers in Madhya Pradesh as well as strengthening the vocational teacher training in the country. Stating the importance of vocational education, the Chief guest Mrs. Manisha Sentiya, IAS and Additional Project Director (ADP) of Madhya Pradesh Directorate of Public Instructions, underscored the main agenda of National Education Policy (NEP) 2020. She stated that the NEP 2020 has set the target of covering 50% students in vocational education through school and higher education by 2025 and to this effect the workshop could prove to be a stepping stone in laying the foundation of a strong vocational orientation. She also raised a concern over the quality and means of VET which needs improvement for betterment of teachers in the educational institutions of the state.



Mr. Graham Burns, Project Manager, JAMK (Jyväskylän ammattikorkeakoulu) University of Applied Sciences, Finland, opined that the workshop is an unparalleled initiative to improve vocational education in India and Finland, and he plans to oversee its implementation personally over the timeline of this project. Mr. Juha Hautanen, JAMK University of Applied Sciences, highlighted the need to integrate applied science in training the vocational teachers. Much to the delight of all participants, faculties and other

invitees, an engaging and interactive session was also arranged by them. In the inaugural session of the workshop, Dr. Deepak Paliwal, Joint Director, PSSCIVE, Bhopal addressed the aspirations of vocational education which are needed to fulfil the objectives stated in the NEP 2020. He welcomed the Chief Guest Mrs. Sentiya and the delegates from Finland, Mr. Graham Burns and Mr. Juha Hautanen following the Indian tradition of presenting *Shreefal* (coconut - the sacred fruit) and shawl to them. On the dais, Prof. Jaideep Mondal, Principal, Regional Institute of Education, Bhopal and Prof. Vinay Swarup Mehrotra, Programme Coordinator were present. Mr. Siddharth Chaturvedi, Director, AISECT, faculty members of PSSCIVE and RIE, Officials from Directorate of Public Instructions, Principals, Vocational Teachers and VET experts in vocational education were also present. During the topical session, Mr. Graham Burns proposed the design of the two-year pilot training programme for 30 VET teachers. He informed that the pilot project will be useful in developing the competencies of the vocational teachers for promoting digital pedagogy and developing innovative teaching-learning practices in the State, for which practical digital and mentoring skills have been included in the design of the project. He also proposed a blended learning approach for the curriculum design and implementation to empower the vocational teachers to combine the best aspects of face-to-face and online instructions in ways that will enable them to learn at their own pace with conceptual understanding. Mr. Siddharth Chaturvedi, Director, AISECT, highlighted the importance of teacher training and the salient features of vocational education in terms of the implementation of NEP 2020. According to him, internships and apprenticeships are vital aspects of a vocational structure of any country as it further facilitates mobility in the employment ecosystem. Underlining the significance of vernacular languages in education, he opined that there is a need for introducing vocational courses in different languages.



In the concluding session of the workshop, it was proposed that a committee may be formed which would include the Head, International Relations Division, NIE, NCERT, New Delhi; Project Managers from JAMK University of Applied Sciences, Head, Curriculum Development and Evaluation Centre, PSSCIVE, Bhopal may be constituted for conducting visits and workshops for the 10 Teachers/Super Tutors/Mentors and 30 VET coordinators and teachers in the next two years. At the end of the workshop, Prof. Vinay Swarup Mehrotra, Programme Coordinator thanked the participants and other invitees for their valuable contributions during the workshop.



5.0 75वां स्वतंत्रा दिवस समारोह का आयोजन

पीएसएससीआईवीई द्वारा संस्थान परिसर में 75वां स्वतंत्रा दिवस समारोह 15 अगस्त 2022 को धूमधाम से मनाया गया। इस अवसर पर संस्थान के सुरक्षा कर्मियों द्वारा परेड की गई तथा संस्थान के प्रमुख संयुक्त निदेशक, डॉ दीपक पालीवाल द्वारा परेड की सलामी ली। ध्वजारोहण के उपरांत डॉ पालीवाल द्वारा उपस्थित समुदाय शुभकामनाये देने के उपरांत संस्थान द्वारा किये जा रहे प्रमुख कार्यों की जानकारी दी गई। सभी सदस्यों ने एक दूसरे को बधाई दी तथा कार्यक्रम के उपरांत मिष्ठान का वितरण किया गया।



6.0 मॉडर्न ऑफिस मैनेजमेंट के विद्यार्थियों के लिए व्यावहारिक प्रशिक्षण कार्यक्रम

पंडित सुन्दरलाल शर्मा केन्द्रीय व्यावसायिक शिक्षा संस्थान, भोपाल में मॉडर्न ऑफिस मैनेजमेंट विभाग के पांचवे सेमेस्टर के छात्रों को ट्रेनिंग के विषय अंतर्गत व्यावहारिक प्रशिक्षण देने का कार्यक्रम दिनांक 23 अगस्त 2022 से 16 सितम्बर 2022 तक आयोजित किया गया। इस प्रशिक्षण कार्यक्रम में लाभान्वित हुए छात्रों की सूची: 1) राहुल विश्वकर्मा 2) संजय मालवीय 3) शुभम हिरवे 4) विशाल चौहान 5) हुज़ेफ़ अहमद खान प्रशिक्षण कार्यक्रम में विद्यार्थियों के चारों सेमेस्टर के सिलेबस को ध्यान में रखते हुए संचालक प्रोफेसर पुन्नम विरैय्या, डॉ. विपिन कुमार जैन और श्रीमती सुनीता कोली ने आवश्यक विषयों पर ट्रेनिंग कार्यक्रम का विवरण बनाया, तदनुसार संस्थान में विद्यार्थियों को आवश्यक विषयों पर ट्रेनिंग दी गयी।

7.0 प्रशिक्षण कार्यक्रम में आयोजित प्रशिक्षण गतिविधियों का क्रमशः

- 23 अगस्त 2022 को संस्थान की लाइब्रेरी में कार्यरत कोकिला और अपर्णा व्यास ने विद्यार्थियों को लाइब्रेरी के विभिन्न प्रकार और वहाँ पर पुस्तकों की स्थापना, व्यवस्था तथा प्रबंधन की जानकारी और ट्रेनिंग दी।
- 24 अगस्त 2022 को विद्यार्थियों को जॉब लैटर और फॉर्मल लैटर लिखने की ट्रेनिंग दी गयी। ऑफिस के रिक्त पदों को भरने के लिए समाचार पत्रों में विज्ञापन देना, किसी कार्यालय में जॉब के लिए आवेदन देना, कार्यालय के अंतर्गत नोट ड्राफ्टिंग करना, कार्यक्रम का संचालन करना, रिपोर्ट बनाना इत्यादि गतिविधियों का प्रशिक्षण दिया गया।
- 25 अगस्त 2022 को विद्यार्थियों को कंप्यूटर में टाइपिंग करने, जो आवेदन, लेटर, रिपोर्ट विद्यार्थियों ने लिखी थी वही उनको टाइप करने के लिये प्रैक्टिस कार्य के रूप में प्रदान की गयी।
- 26 अगस्त 2022 को विद्यार्थियों को संस्थान के प्रशासनिक एवं लेखा खंड का निरीक्षण कर उसका नक्शा बनाने का कार्य दिया गया जिसे विद्यार्थियों ने बड़े ही उत्साह के साथ शुरू किया और यही कार्य 29 अगस्त 2022 को भी जारी रहा। सभी विद्यार्थियों ने नक्शा बनाया एवं अपनी प्रोफाइल में संलग्न भी किया।
- 30 अगस्त से 02 सितम्बर 2022 की अवधि में विद्यार्थियों को लेखा विभाग में प्रशिक्षण दिया गया। लेखा विभाग में कार्यरत एनी फिलिप ने सरकारी कर्मचारियों के वेतन के बारे में जानकारी दी। प्रशिक्षण के अंतर्गत विद्यार्थियों को बताया गया कि कितना वेतन दिया जाता है, कितना कर लगता है, भारत में वेतन सारणी, कर्मचारियों के वेतन बनाने के नियम, विभिन्न प्रकार के कर, भत्ते, टीए, डीए, पेंशन, इनकम टैक्स, एल.टी.सी के प्रकार एवं नियम, विभिन्न प्रकार के बिलों का भुगतान करना, ऐसे अनेकों प्रकार के नियमों के बारे में जानकारी दी गयी।
- 05 सितम्बर से 08 सितम्बर 2022 की अवधि में संस्थान की अवर सचिव चारु आर्या ने विद्यार्थियों को उनकी जॉब प्रोफाइल से जुड़ी गतिविधियों के बारे में अवगत कराया। चूँकि मॉडर्न ऑफिस मैनेजमेंट से सम्बंधित सभी कार्य प्रशासनिक विभाग द्वारा संपन्न किये जाते हैं और प्रशासनिक विंग में सभी तरह के उपकरण उपलब्ध हैं इसलिए विद्यार्थियों को व्यावहारिक प्रशिक्षण के लिए संस्थान के प्रशासनिक विभाग अवर सचिव और अनुभाग अधिकारी के नेतृत्व में प्रशिक्षण का कार्य दिया गया। विभाग के श्री श्याम बासु ने संस्थान के परिसर कल्याण एवं स्थानीय विभाग तथा कार्यों की जानकारी दी जैसे पी.एस.एस.सी.आई.वी.ई. की स्थापना कब हुई तथा यह संस्थान 32 एकड़ में फैला हुआ है आदि। भंडार कक्ष में कार्यरत श्री भोला प्रसाद ने भंडार कक्ष के संचालन की ट्रेनिंग दी। उन्होंने छात्रों को विभिन्न वस्तुओं का रखरखाव, डेड स्टॉक, कंस्यूमर स्टॉक, सामान का क्रय और उसके प्रकार, सामान का वितरण और उसके नियमों, इत्यादि की जानकारी दी।
- 12 सितम्बर से 14 सितम्बर 2022 की अवधि में एडमिनिस्ट्रेशन तथा रिसोप्शन की व्यवस्था का प्रशिक्षण दिया गया। फाइलें कितने प्रकार की होती हैं, अनेक प्रकार के फाइलों का निर्माण और प्रबंधन कैसे होता है यह सब विद्यार्थियों को सिखाया गया। कार्यालय की जयश्री नायर ने छुट्टियों के विभिन्न प्रकार और उनसे सम्बंधित नियमों, जी.पी.एफ., मेडिकल नियमों के बारे में जानकारी दी। रिसोप्शन में कार्यरत ममता श्रीवास्तव ने विद्यार्थियों को टेलीफोन कॉल को कैसे मैनेज करना है इसकी जानकारी दी।
- 15 सितम्बर 2022 को संयुक्त निदेशक कक्ष में संस्थान के संयुक्त निदेशक डॉ. दीपक पालीवाल ने सभी विद्यार्थियों को उनके भविष्य के लिए आवश्यक दिशा निर्देश और भविष्य में अच्छा करने की शुभकामनाएं दी। कार्यालय में कार्यरत प्रवीन कतोलकर ने विद्यार्थियों को बताया कि संस्थान में अनेकों विभाग होते हैं और उनको निर्देश देने के लिए एक संयुक्त कक्ष होता है जिसमें संस्थान के गोपनीय एवं महत्वपूर्ण कार्य किये जाते हैं। इंजीनियरिंग और प्रौद्योगिकी विभाग में विद्यार्थियों को कंप्यूटर मेंटिनेंस, असेम्बलिंग, डिसेम्बलिंग, सॉफ्टवेयर इंस्टालेशन, एंटीवायरस आदि व्यावहारिक प्रशिक्षण गतिविधियों की जानकारी दी गयी।
- 16 सितम्बर 2022 को संस्थान में कार्यरत सुनीता कोली ने विद्यार्थियों को संस्थान के सारे लैब विजिट करवाये तथा सभी लैब के बारे में विस्तार से जानकारी दी इसके अंतर्गत विद्यार्थियों को शॉर्ट हैण्ड की प्रैक्टिस भी करवाई गयी। साथ ही, विद्यार्थियों को दैनिक कार्यक्रम की सूची तैयार करना तथा उसको चेक करना, विद्यार्थियों से रोज़ की रिपोर्ट तैयार करवाना, उनकी फाइल अपडेट करवाना आदि कार्यों की ट्रेनिंग दी गयी।
- विदाई समारोह के अंतर्गत दिनांक 16 सितम्बर 2022 को ही विद्यार्थियों को विदाई समारोह में संस्थान के संयुक्त निदेशक डॉ. दीपक पालीवाल, डॉ. पी. विरैया, प्रो. विपिन कुमार जैन और संस्थान के सभी कर्मचारियों की उपस्थिति में शुभकामनाओं के साथ सर्टिफिकेट वितरित किये गए।

8.0 About PSS Central Institute of Vocational Education

The Pandit Sunderlal Sharma Central Institute of Vocational Education (PSSCIVE) is an apex research and development organisation in the field of vocational education. It is a constituent unit of National Council of Educational Research and Training (NCERT), established in 1993 by the Ministry of Education (MoE), Government of India. The Institute has a picturesque 35-acre campus at Shyamla Hills in Bhopal. It comprises six departments, namely Agriculture and Animal Husbandry, Business and Commerce, Engineering and Technology, Health and Paramedical Science, Home Science and Hospitality Management and Humanities, Science, Education and Research with 05 Centres. The Institute is also a UNEVOC (International Project on Technical and Vocational Education) Network Centre in India.

The vision of the Institute is to be a leading organisation to strengthen vocational education and training system to meet the skills needs of the current and future workforce. The Institute is engaged in development, training, research and extension activities for promoting vocational education. It provides academic and technical support for the realisation of the national goal of vocational education in fulfilling the human resource requirement for national development.

The strategies to achieve the goal and vision of the Institute are to develop learning outcome-based curricula for vocational subjects under the National Skill Qualifications Framework (NSQF), conduct and promote research in vocational education, network with national and international organisations for promotion of vocational education, popularise vocational education and collect, maintain and disseminate information on vocational education. The Institute is developing curricula and courseware for vocational subjects introduced from Grades 9 to 12 in 21 sectors of the economy, like Agriculture, Apparel, Automotive, Beauty & Wellness, Healthcare, Media and Entertainment, Private Security, Retail, Travel and Tourism, etc.



**List of 25 New Job Roles for which PSSCIVE is developing
Curricula under PAB funded Project**

I. Aerospace & Aviation	
S. No.	Job Role
1.	Drone Operator – Multi Rotor
II. Agriculture	
2.	Hydroponics Technician
3.	Plant Tissue Culture Technician
4.	Kisan Drone Operator
III. Automotive	
5.	Electric Vehicle Service Assistant
IV. Apparel	
6.	Finisher and Packer
V. Electronics	
7.	Solar Panel Installation Technician
8.	Drone Service Technician
VI. Food Industry	
9.	Ice Cream Processing Technician
10.	Soya Products Processor
VII. Healthcare	
11.	Yoga Therapy Assistant
12.	Telehealth Services Coordinator
VIII. Handicrafts & Carpets	
13.	Jute Products Artisan

IX. IT-ITes	
S. No.	Job Role
14.	Data Annotator
15.	Web Developer
X. Telecom	
16.	AI Devices Installation Operator
17.	Telecom Technician - IoT Devices/Systems
XI. Transportation, Logistics & Warehousing	
18.	Warehouse Claims Coordinator
19.	Land Transportation Associate
XII. Management & Entrepreneurship	
20.	Secretary
21.	Office Assistant
XIII. Media & Entertainment	
22.	Character Designer
XIV. Plumbing	
23.	Advanced Plumbing Technician
XV. Private Security	
24.	CCTV Video Footage Auditor
XVI. Travel and Tourism	
25.	Travel Advisor



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