

# व्यावसायिक शिक्षा VOCATIONAL EDUCATION

**BIANNUAL BULLETIN**

October 2023 to March 2024



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NCERT

पं.सु.श. केन्द्रीय व्यावसायिक शिक्षा संस्थान  
**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

### Greetings!

I am delighted to present to you the PSSCIVE "Biannual Bulletin" for October 2023 to March 2024. This edition encompasses comprehensive information on the latest events, achievements, and activities conducted by the institute during this period. The institute continues to achieve milestones that enhance its legacy of trust and solidify its role in advancing vocational education and training.

In alignment with the objectives and implementation of the National Education Policy (NEP) 2020, vocational education has become a catalyst for positive transformation in the education sector. The NEP 2020 is a comprehensive policy document that extensively addresses the overhaul of general education. It highlights the integration of vocational education into traditional educational practices and methods. In response to NEP 2020, the Institute has reorganized and efficiently delivered its programmes.

The institute has undertaken several development programmes, including the design, development, and maintenance of web applications, social media, and network infrastructure. Additionally, working group meetings have been held for the development of textbooks for job roles such as "Ice-cream Processing Technician" for Class XI, and the finalization of a virtual tour of AMHF. Other initiatives include developing an online course in micro-irrigation and creating an action plan for implementing pre-vocational and vocational education for tribal schools. The institute has also focused on finalizing digital resources for job roles in the Beauty and Wellness sector and developing flipbooks and folders for the Handicrafts and Carpet sector.

In terms of training programmes, the institute has conducted orientation programmes for key functionaries to strengthen vocational education in states and UTs such as Assam, Tripura, Arunachal Pradesh, Meghalaya, and Puducherry, in light of NEP 2020. Capacity-building programmes for teachers on vocationalisation of education at the middle stage (Classes VI to VIII) have been organized for various regions, including the Western, Northern, Central, and Eastern regions. Training programmes for developing master trainers on vocational pedagogy for states like Goa, Kerala, and Manipur have been conducted online. Vocational teacher training has also been provided for job roles in sectors such as Security, Agriculture, Organized Retail, Banking, Financial Services, Insurance, Travel, Tourism, Hospitality, Healthcare, Food Processing, and IT-ITeS. Additionally, orientation programmes for improving the quality of vocational education and training in the Andaman and Nicobar Islands have been held both online and offline. The institute has also focused on building awareness about innovation, incubation, and entrepreneurship among vocational teachers and students.

The institute's extension programmes include promoting vocational education through Indian languages with reference to NEP 2020, fostering innovations for high-quality learning, sharing experiences on achieving excellence, and organizing a national conference on "Perspectives and Practices in Vocational Education and Training." Under the PAB (Development) programmes, workshops have been held for curriculum development and the creation of textbooks for various job roles, including Land Transport Associate for Class IX in the Logistics sector, Jute Product Artisan, and Finisher and Packer. Working group meetings have been organized for developing textbooks for job roles such as Electric Vehicle Service Assistant, Drone Service Technician, Solar Panel Installation Technician, Travel Advisor, Secretary, and Telecom Technician - IoT Device Systems, among others.

Other notable programmes include observing Vigilance Awareness Week, organizing Swacha Dipawali, holding meetings of the Curricular Area Group on Vocational Education (CAG-VE), and conducting the 36th Institute Advisory Board Meeting. The institute is also involved in the development of modules under the Viksit Bharat Abhiyaan.

I hope our innovative VET-related programmes and academic initiatives over the past months have positively influenced you and strengthened the VET system. We are committed to continuing our efforts to bring about transformative changes in vocational education and training. Wishing you all the best for a bright future.

**Deepak Paliwal**

Joint Director

PSS Central Institute of Vocational Education, Bhopal



## PAC PROGRAMME CONDUCTED BY THE INSTITUTE DURING OCTOBER 2023 TO MARCH 2024

### DEVELOPMENT PROGRAMMES

#### 01. Design, Development and Maintenance of Web Applications, Social Media and Network Infrastructure of PSSCIVE

The institute has developed its own in-house website with the consultation of external expert. The institute is also maintaining the internal network infrastructure and its social media profiles. The objective of this programme is to update and maintain the website for contents and coding, to develop the new modules in the website as and when required, and to maintain the network infrastructure and social media profiles of the institute. The work is being carried out by the project staff of this programme as well the external expert. For website, the hosting services are hired through NIC. Three types of work are being carried out for the maintenance of website:

- (i) Maintenance of VPS Server – This include installation and configuration of VPS server, installation of software and utilities, connectivity dependencies/ configuration of application dependencies, renewal and installation of VPN certificate, reinstantiation of the server, installation and updatation of SSL certificate, and Search Engine Optimisation (SEO).
- (ii) Development work is being carried out for the development of new modules as well as m



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- aintenance of existing modules. The development process of new modules consists of planning and design, database design, back end and front end design, debugging and testing, conducting security audit and hosting on the server.
- (iii) Uploading the documents and contents in the website.

The network infrastructure is continuously monitored for its speed and scaling by installation of new access points as per the requirement, maintaining the network services and network devices, and controlling and securing the network through firewall. Maintenance of social media profiles are being done by continuously uploading the brief reports with photographs of the programmes and activities of the institute on the respective social media platforms. The work done in this programme has shown the remarkable increase in the visitors' visit on the website and outreach of the website throughout the country as well as outside the country, which is being evident from the Google data.

The fourth workshop for "Design, Development

**and Maintenance of Web Applications. Social Media and Network Infrastructure of PSSCIVE** was organised at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal from 4<sup>th</sup> to 14<sup>th</sup> December, 2023. One external expert attended the workshop. In this workshop, the work of documentation of the website was completed. The documentation of each module explains the database structure, database tables with connectivity, data dictionary, flowchart, and program logic. The front end and back end interface

was also developed for the Bulletin. The bugs, as pointed out, were fixed and updation of various PHP and Java Script dependencies were done in the website. The issues were fixed against vulnerability report as suggested by NIC. In addition to the development work, installation of Linux operating system, virtual machine, VPN, Digital certificate and other dependencies on local machine were done. Two machines were prepared for development. The meeting was coordinated by Dr. Deepak Shudhalwar, Professor, Department of Engineering

## 02. Working Group Meeting for Development of Textbook for the Job Role "Ice-cream Processing Technician" for Class XI

A Working Group Meeting for Development of textbook for the job role **"Ice-cream Processing Technician"** for Class XI, under PAB, was held at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal on 25<sup>th</sup> to 28<sup>th</sup> October, 2023. The experts in the meeting were Dr. Yogesh Khetra, Senior Scientist, ICAR-NDRI, Karnal, Dr. Madhuresh Dwivedi, Assistant Professor, NIT Rourkela and Dr. Shafat Khan, Assistant Professor, Rajasthan University of Veterinary and Animal Science, Jaipur along with the institute's faculty Dr. Rakesh Kumar Raman, Dr. Preeti Dixit and Dr. R. Ravichandran contributed to the textbook's material. The textbook development work was completed and the review and finalization of the textbook will be done in the next working group meeting. The meeting was coordinated by Dr. R. Ravichandran, Associate Professor and Head, Department of Humanities, Science, Education and Research, PSSCIVE, Bhopal.



## 03. Working Group Meeting for Development of Online Course in Micro-irrigation

A Working Group Meeting for Developing an **"Online Course in Micro-irrigation"** was organised by the PSS Central Institute of Vocational Education (PSSCIVE), Bhopal from 20<sup>th</sup> to 24<sup>th</sup> November 2023. In the inaugural session of the meeting, Dr. Deepak Paliwal, Joint Director, PSSCIVE, underscored the significance of the course, in view of the implementation of the National Credit Framework 2023 and the blended learning methodologies across educational institutions in the country. The experts reviewed the modules developed for the online course in Micro-irrigation and suggested that two online courses can be



developed; one for the Field Assistants and the other for Microirrigation Technicians. The meeting was coordinated by Dr. Vinay Swarup Mehrotra, Professor and Head, Curriculum Development and Evaluation Centre, PSSCIVE, Bhopal.



#### 04. Development of Action Plan for the Implementation of Pre-Vocational Education and Vocational Education for Tribal Schools

A meeting on “**Development of Action Plan for the Implementation of Pre-Vocational Education and Vocational Education for Tribal Schools**” was organised by the PSS Central Institute of Vocational Education (PSSCIVE), Bhopal from 12<sup>th</sup> to 14<sup>th</sup> December, 2023 at PSSCIVE, Bhopal. The meeting commenced with the opening remarks of Dr. Deepak Paliwal, Joint Director, PSSCIVE, which also set the tone for the discussion on vocational education in schools. Dr. Vinay Swarup Mehrotra, Professor and Head, Curriculum Development and Evaluation Centre, PSSCIVE, and the meeting coordinator, 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 in the programme were Prof. Jyotsna Tiwari from the National Council of Educational



Research and Training (NCERT), Dr. Beauty Gogoi, Academic Consultant, National Centre for School Leadership, National Institute of Educational Planning and Administration (NIEPA), New Delhi, Dr. Ashu Kapur, Consultant, NESTS, and Principals and Teachers from EMR Schools of Madhya Pradesh, Maharashtra, Sikkim and Tripura. Over the three days, a series of intensive discussions and brainstorming sessions took place, resulting in the formulation of a comprehensive action plan, which would serve as a guiding blueprint for the implementation of vocational education in EMR schools. Dr. Vinay Swarup Mehrotra conveyed his enthusiastic support for the initiative, expressing confidence that it will herald a transformative shift in the educational paradigm, aligning closely with the objectives outlined in the National Education Policy 2020. He emphasized the initiative's potential to equip tribal students with practical skills essential for success across diverse facets of life, thereby empowering them to thrive in a rapidly evolving world. The meeting was coordinated by Dr. Vinay Swarup Mehrotra, Professor and Head, Curriculum Development and Evaluation Centre, PSSCIVE, Bhopal.



## 05. Working Group Meeting for Development and Finalization of Flipbook and Folders for Handicrafts and Carpet Sector

A five days Working Group Meeting for “Development and finalization of popularization folder and flipbook of handicrafts and Carpet Sector” was organized by the Department of Home Science and Hospitality management Management (PSS Central Institute of Vocational Education) from 18<sup>th</sup> to 22<sup>nd</sup> December 2023 and 15<sup>th</sup> to 19<sup>th</sup> January, 2024 at PSS Central Institute of Vocational Education (PSSCIVE), PSSCIVE Bhopal. Several experts, encompassing both subject matter and technical proficiency, actively participated in the meeting, contributing their wealth of knowledge and expertise. The primary objective of the meeting was development and finalization of popularization folder and flipbook of handicrafts and Carpet Sector. The comprehensive development of the popularization folder and flipbook of handicrafts and Carpet Sector is currently underway, incorporating the detailed insights and inputs deliberated upon by the participating experts during the meeting. The focus of the gathering was the development and finalization of promotional materials, specifically a popularization folder and flipbook dedicated to the



handicraft and carpet sector. Numerous experts, proficient in both subject matter and technical aspects, actively engaged in the discussions, sharing their extensive knowledge and expertise. The primary goal throughout the meeting remained the development and finalization of the promotional materials. Presently, the comprehensive enhancement of the popularization folder and flipbook for the handicraft and carpet sector is in progress, integrating the detailed insights and contributions discussed by the participating experts during the meeting. The meeting was coordinated by Dr. Pinki Khanna, Professor & Head, Department of Home Science and Hospitality Management, PSSCIVE, Bhopal.





## 06. Working group meeting for Development of Curriculum and Textbook of Hydroponics and Plant Tissue culture Job role for class 11 th

Working group meeting for **Development of Curriculum and Textbook of Hydroponics Technician and Plant Tissue culture Technician** Job role for Class 11<sup>th</sup> was organized from 27<sup>th</sup> - 29<sup>th</sup> December 2023 at Department of Agriculture and Animal Husbandry, PSSCIVE, Bhopal. 7 experts joined the WGM, out of which 4 experts worked on Hydroponics Technician job role and 3 experts worked on Plant Tissue Culture Technician job role. Draft curricula were finalized and on the basis of the curricula the units of the textbooks were developed. The meeting was coordinated by Prof. R. K. Pathak, Professor and Head, Department of Agriculture and Animal Husbandry, PSSCIVE, Bhopal.



## 07. Working Group Meeting for Finalizing Digital Resources (Videos) of two job roles in Beauty and Wellness Sector

A Working Group Meeting was organised on 11<sup>th</sup> to 12<sup>th</sup> March, 2024 for finalizing the videos received from the CIET, New Delhi for the job roles **Assistant Hair Stylist and Assistant Beauty and Wellness Consultant** at PSSC Central Institute of Vocational Education, Bhopal on 11<sup>th</sup> to 12<sup>th</sup> March, 2024. Two experts of Beauty and Wellness sector were associated with the task and finalized 15 videos on Assistant Beauty and Wellness Consultant and 12 videos on Assistant Hair Stylist job roles. The meeting was coordinated by Dr. V.K. Jain, Associate Professor, Department of Humanities, Science, Education and Research (DHSER), PSSCIVE, Bhopal.



## TRAINING PROGRAMMES

### 01. Orientation Programme of Key functionaries for Strengthening Vocational Education in States/UTs of Assam, Tripura, Arunachal Pradesh, Meghalaya and Puducherry in light of NEP 2020

The orientation programme for **Key Functionaries for Strengthening Vocational Education in Light of NEP 2020 for the States of North Eastern Region** was organised by PSS Central Institute of Vocational Education (PSSCIVE), Bhopal from 28<sup>th</sup> to 30<sup>th</sup> November, 2023 at the North East Regional Institute of Education (NERIE), Umiam, Shillong, Meghalaya. The training programme had sessions regarding, reimagining vocational education, Design and Structure of learning outcome based curriculum. The sessions also included experiential learning and pedagogy in vocational education and training. The resource persons for the training from



PSSCIVE were Prof. Pinki Khanna and Prof. Vinay Swarup Mehrotra. At the end of the training, a valedictory session was conducted to facilitate all the participants with certificate.

### 02. Capacity Building Programme for Teachers on Vocationalisation of Education at Middle Stage (Classes VI to VIII) for Western Region

**Capacity Building Programme for Teachers on Vocationalisation of Education at Middle Stage (Classes VI to VIII)** for Western Region was organised by PSS Central Institute of Vocational Education, Bhopal from 29<sup>th</sup> February to 2<sup>nd</sup> March, 2024 at Indrayani Girls Higher Secondary School, Bhuj. More than 50 participants from Gujrat state participated in this programme. The programme was inaugurated by the Principal, IGS School, Bhuj and officials of Samagra Shiksha, Bhuj District. During the programme various topics viz., NEP 2020 and NCFSE 2023, Work as a context for learning and development, NCFSE: Pedagogy at middle stage (grades 6 to 8), Vocationalisation of Education at Middle Stage: Bagless Days, Internship, Fun based



activities, Teaching training resources - developed by PSSCIVE, Experiential Learning and Vocational Pedagogy, Organisation of Vocational Activities in Life Forms at Middle Stage - Grade 6-8, Planning and Implementation of Vocational Education, Roles and Responsibilities of Key Functionaries and Teachers,

Organisation of Vocational Activities in Machine and Material and Human Service Forms at Middle Stage - Grade 6-8, Development of Action Plan, Developing a session plan for training on pre-vocational skills were taken by the faculty of the institute. Activity on paper bags was carried out to understand the concept of learning by doing. Trainees also participated in group work. Prof. DM Bakrania, Ex-Vice Chancellor of Kutch University, and Dr. Hitendra Joshi, I/C Vocational Education, Samagra Shiksha Gujrat also delivered lectures and interacted with participants. At the valedictory session, District Education Officer, Bhuj delivered a valedictory speech and distributed the certificate to the



participants. Mr. Neeraj Bhandari, Assistant Professor, DET, PSSCIVE, Bhopal also took various sessions in this programme. The programme was coordinated by Dr. Saurabh Prakash, Professor and Head, DET, PSSCIVE Bhopal.

### 03. Capacity Building Programme for Teachers on Vocationalisation of Education at Middle Stage (Classes VI to VIII) for Northern and Central Regions

The **Capacity Building Programme for Teachers on Vocationalisation of Education at Middle Stage (Classes VI to VIII) for Northern and Central Region** was organised at PSS Central Institute of Vocational Education, Bhopal from 5<sup>th</sup> to 7<sup>th</sup> March, 2024. A total of 35 teachers from Uttar Pradesh state had participated in this programme. The programme included the following sessions: NEP 2020 and NCFSE 2023, Work As A Context For Learning And Development, NCFSE: Pedagogy At Middle Stage (Grades 6 to 8), Vocationalisation of Education at Middle Stage: Bagless Days, Internship, Fun-based Activities, Teaching training resources-developed by PSSCIVE, Experiential Learning and Vocational Pedagogy, Organisation of Vocational Activities in Life Forms at Middle Stage - Grade 6-8, Planning And Implementation of Vocational Education, Roles and Responsibilities of Key Functionaries and Teachers, Organisation of Vocational Activities in Machine and Material and



Human Service Forms at Middle Stage - Grade 6-8, Development of Action Plan, Developing a Session Plan for Training on Pre-Vocational Skills. The participants were also given an exposure to the well-equipped vocational laboratories of the departments of PSSCIVE during the programme. The programme was coordinated by Prof. R. K. Pathak, Professor and Head, Department of Agriculture and Animal Husbandry, PSSCIVE, Bhopal.



#### 04. Capacity Building Programme for Teachers on Vocationalisation of Education at Middle Stage (Class VI to VIII) for Eastern Region

##### **Capacity Building Programme for Teachers on Vocationalisation of Education at Middle Stage (Class VI to VIII) for Eastern Region**

was organised at PSS Central Institute of Vocational Education, Bhopal from 11<sup>th</sup> to 15<sup>th</sup> March, 2024. The programme was organised with the background that vocational education will have to be integrated with the educational offerings of all secondary schools in a phased manner over the next decade. National Curriculum Framework for School Education 2023 and its approach to Vocational Education.

Schools must provide students with a broad and experiential introduction to different kinds of work and develop a deep and defined set of practical competencies. Students must also learn to value all types of work based on the inherent dignity of all work. The NCF enable these choices to be made appropriately by considering all the relevant factors for a school at Middle and Secondary Stages in developing vocational capacities. In the Middle and Secondary Stages, students begin a formal engagement in developing vocationally relevant capacities. In the Middle Stage, students develop breadth in vocational capacities in the three forms of work, while in the Secondary Stage, students specialise in one or more vocations. Given the wide range of vocations, there is a need to organise the curriculum so that students receive adequate exposure while schools can manage within their constraints. Keeping above points in mind, the programme was organised. Sessions were taken by



the faculty members of PSSCIVE on all the five days on various topics viz., NEP 2020 and NCFSE 2023, Work as a context for learning and development, NCFSE: Pedagogy at Middle Stage (grades 6 to 8), Vocationalisation of Education at Middle Stage: Bagless Days, Internship, Fun-based Activities, Teaching training resources- developed by PSSCIVE, Experiential Learning and Vocational Pedagogy, Organisation of Vocational Activities in Life Forms at Middle Stage - Grade 6-8, Planning and Implementation of Vocational Education, Roles and responsibilities of Key Functionaries and Teachers, Organisation of Vocational Activities in Machine And Material and Human Service Forms at Middle Stage - Grade 6-8, Development of Action Plan, Developing a Session Plan for Training on Pre-Vocational Skills. A total of 50 teachers of Class VI-VIII from Odisha State had participated in this programme. The programme was coordinated by Dr. Abhijit Nayak, Professor and Head, Department of Health and Paramedical Sciences (DHPS), PSSCIVE, Bhopal.





## 05. Training Programme for Developing Master Trainers on Vocational Master Trainers on Vocational Pedagogy for states of Goa, Kerala and Manipur. (Online)

A five days online training for Developing Master Trainers on Vocational Pedagogy was conducted at PSS Central Institute of Vocational Education, Bhopal from 26<sup>th</sup> February to 1<sup>st</sup> March, 2024. 175 teachers from Goa, Kerala and Manipur participated in the online training programme. Five faculty members of PSS Central Institute of Vocational

Education (PSSCIVE) took sessions on Vocational Pedagogy, which also included pre-assessment of participants on various aspects of vocational education every day. The training was coordinated by Dr. Vinay Swarup Mehrotra, Professor and Head, Curriculum Development and Evaluation Centre, PSSCIVE, Bhopal.

## 06. Vocational Teachers Training for the Job Roles under Security Sector

**Vocational Teachers Training for the Job Roles under Security Sector**, was organised by PSS Central Institute of Vocational Education from 6<sup>th</sup> to 10<sup>th</sup> November, 2023 at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. Vocational Teachers, from Punjab state, teaching vocational subjects from Grades 9 to 12, participated in the 5-day training programme. The sessions, during the training programme, were rich and diverse, covering a broad spectrum of topics essential for vocational teachers to excel in their roles. The various aspects that were covered during the training included implications of National Education Policy 2020 on Vocational Education, implementing outcome-based curriculum strategies to enhance student learning, employing innovative teaching and training methodologies tailored specifically to vocational education settings, developing employability skills necessary for success within the security sector, ICT skills and mastering effective communication techniques, competency-based assessment methods, latest trends influencing the security industry landscape, customer service skills



through immersive role-playing exercises mirroring real-life security scenarios, security technologies such as CCTV and access control systems, and report writing and documentation skills essential for effective communication within the security domain. A visit to the State Cyber Police Headquarters in Bhopal was organised for first-hand exposure of the vocational teachers. Teachers also made charts covering various aspects of private security, including safety protocols and procedures. The programme was coordinated by Dr. Vinay Swarup Mehrotra, Professor and Head, Curriculum Development and Evaluation Centre, PSSCIVE, Bhopal.



## 07. Vocational Teachers Training for Gardener Job Role under Agriculture Sector



Vocational Teachers Training for **Gardner Job Role under Agriculture Sector**, was organised by PSS Central Institute of Vocational Education from 20<sup>th</sup> to 24<sup>th</sup> November, 2023 at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. In this programme, 27 vocational teachers participated from Haryana state. The training programme, was based on the Gardener Job Role under Agriculture Sector, that included the following sessions: Re-imagining Vocational and Training in schools, Role and Responsibility of Vocational Teachers, Introduction to Floriculture, Plant propagation, Instructional methodology and media, Field preparation and Nursery management, Nutrient Management of Ornamental Crops, Maintain health and Safety at the workplace, Irrigation management, Identification of Garden tools and equipment, Identification of ornamental



plants, Integrated Disease Management of Ornamental Crops, Integrated insect-pest Management of Ornamental crops, Care and Maintenance of Garden, Establishment and Maintenance of Lawn, Basic landscape designing, Types of garden, Evaluation and Assessment. The participants were given the pre-test and post-test to assess their status and progress of them. Participants also gained valuable exposure through a field visit to the Fruit Research Station in Eintkhedi, Bhopal. They had the opportunity to observe first-hand and receive a demonstration from a seasoned expert in the field. The participants were also given exposure to the field visit at Fruit Research Station, Eintkhedi, Bhopal along with a demonstration by expert on the field. The meeting programme was coordinated by Prof. R. K. Pathak, Professor and Head, Department of Agriculture and Animal Husbandry, PSSCIVE, Bhopal.

## 08. Vocational Teachers Training Programme for Vocational Job Roles under organized Retail Sector

Vocational Teachers Training, for the Job Roles Under Organised Retail Sector, was organised by PSS Central Institute of Vocational Education from 3<sup>rd</sup> to 7<sup>th</sup> October, 2023. The programme was organised in Training Hall 7C, Department of Business and Commerce, PSS Central Institute of Vocational Education, Bhopal. In this programme, out of 51 participated Vocational trainers and teachers, participated out of which 5 participants were from Daman Diu and Dadar Nagar Haveli, 5 participants from Delhi, 7 participants from

Goa, 5 participants from Gujarat, 5 participants from Haryana, 5 participants from Jammu and Kashmir, 5 participants from Nagaland, 5 participants from Punjab, 4 participants from Telangana state and 5 participants from West Bengal States/ UTs have been participated. During The programme, vocational teachers/trainers were learned the Fundamentals of Retailing, Resolve Customer Concerns and Continuous Improvement in Service, Mechanism to Choose the Right Products, Specialist Support to



Customers, Sales Presentation and Selling Skills, Process of Credit Application, Customer Relationship Management, Display of Stock and Visual Merchandising, Work in Team and Organization, Loyalty Schemes for Customers, Customer Information System, and Customer Retention. The experts also show the related video films in this training programme as related to the sessions. The participants learned the latest developments in the organised retail sector for implementing order to implement the Retail retail rob role curriculum in their respective states. The meeting programme was coordinated by Dr. P. Veeraiah, Professor and



Head, Department of Business and Commerce, PSSCIVE, Bhopal.

## 09. Vocational Teachers Training Programme for Vocational Job Roles under Banking, Financial Services and Insurance organized Retail Sector

Vocational Teachers Training for the Job Roles Under Banking, Financial Services and Insurance Sector PAC Code 21.11 (D) held from 30th October to 03rd November, 2023. Vocational Teachers Training, for the Job Roles under Banking, Financial Services and Insurance Sector, was organised by PSS Central Institute of Vocational Education from 30<sup>th</sup> October to 3<sup>rd</sup> November, 2023 at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. The programme was organised in Training Hall 7C, Department of Business and Commerce, PSS Central Institute of Vocational Education, Bhopal. In this programme, out of 33 participated vocational trainers and teachers, were participated out of which 15 participants were from Madhya Pradesh, 2 participants from Kerala, 3 participants from Gujarat and 13 participants from Haryana states. During the programme, vocational teachers/trainers The Teachers/Trainers were Trained on different topics; like Introduction to Banking and Microfinance System, Duties and Responsibilities of BCBF, Financial Inclusion, Verification of Customer Information, Process of Banking Application,

Banking Structure in India, Sources of New Customers and Microfinance Application Process, Practical Exposure of Microfinance Executive, Customer Centric Service Orientation, Microfinance Services to Customers, Practical Exposure of Business Correspondence and Business Facilitator, Overview of Mutual Funds and its Components, Integrity, Banking Ethics and Team Work, and Banking Transactions.

Apart from these, Industrial Visits were arranged we also arranged Industrial Visits for their practical exposure of the vocational teachers/trainers The vocational teachers/trainers visited which are – National Bank for Agriculture and Rural Development (NABARD) and Madhya Pradesh Gramin Bank. The participants learned the latest developments in the Banking, Financial Services and Insurance Sector for implementing their course curriculum in their respective states. The meeting programme was coordinated by Dr. P. Veeraiah, Professor and Head, Department of Business and Commerce, PSSCIVE, Bhopal.



## 10. Vocational Teachers Training Programme for the Job Roles under Travel, Tourism and Hospitality Sector

Vocational Teachers Training, for the **Job Roles under Travel, Tourism and Hospitality Sector**, was organised by PSS Central Institute of Vocational Education from 20<sup>th</sup> to 24<sup>th</sup> November, 2023 at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. The Department of Business and Commerce at the PSS Central Institute of Vocational Education (PSSCIVE) in Bhopal recently wrapped up an engaging 5 Days from 20<sup>th</sup> to 24<sup>th</sup> November 2023, Vocational Teachers Training for the Job Roles under Travel, Tourism and Hospitality Sector. Vocational teachers from nine different states (Goa, Gujarat, Delhi, Haryana, Jammu and Kashmir, Kerala, Nagaland, Uttarakhand and West Bengal) were participated in the training. The program was inaugurated by Prof. Deepak Paliwal, Joint Director, PSSCIVE and officials from Madhya Pradesh State Tourism Corporation. The training program was led under the adept coordination of Prof & Head Dr. Punnam Veeraiah, DBC, and the valuable support of Dr. Prakash Chandra. Rout, Dr. Sangamesh Hugar, Dr. Breeze Tripathi, Ms. Deeksha Chaurasia, Ms. Sunita Koli, and Mr. Pankaj Raikwar.

The program was inaugurated by Prof. Deepak Paliwal, Joint Director, PSSCIVE and officials from Madhya Pradesh State Tourism Corporation. The training successfully blended the theoretical



insights with practical industry expertise. Esteemed professionals from Travel India Tourism Pvt. Ltd., IHM Bhopal, Madhya Pradesh State Tourism Corporation, Airport Authority of India-Bhopal, and the Archaeological Survey of India-Bhopal Circle enriched the program with their knowledge. In addition to classroom learning, the training incorporated enriching field visits to iconic sites like the Sanchi Stupa (a UNESCO World Heritage Site), Van Vihar National Park, and the Madhya Pradesh Tribal Museum. A memorable cultural showcase on November 23<sup>rd</sup> 2023, featured vibrant performances by participants from different states, contributing to the diverse and dynamic learning environment. The meeting programme was coordinated by Prof. Dr. P. Veeraiah, Professor and Head, Department of Business and Commerce, PSSCIVE, Bhopal.



## 11. Vocational Teacher's Training Programme for Job Role under Healthcare Sector and Training Programme on Vocational Pedagogy



The Vocational Teachers Training Programme, for Vocational the Job Role under Healthcare Sector in General Duty Assistant, was organised by PSS Central Institute of Vocational Education from 30<sup>th</sup> October to 3<sup>rd</sup> November, 2023 at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. Twenty two (22) teachers from the State of Himachal Pradesh, Goa and Telangana participated in this programme. Three external resource persons and five internal faculty members took different sessions of the job role on General Duty Assistant in Healthcare Sector. The technical sessions were delivered by faculty of PSSCIVE as per the schedule. The training methodology included lecture-cum-presentations, role plays, group discussion, assignments, demonstrations and field visits, which were supported by videos and presentations. On the first day after the inaugural session, a session on National Education policy was taken by the coordinator followed by a brief session of functioning of PSSCIVE and virtual tour of PSSCIVE.

In the post noon session, topics like Nutritional aspects and role of GDA were discussed. Next day session began with on the topic of Sanitation and Hygiene along with main focus towards Nutritional hygiene was discussed. Likewise sessions relevant to pedagogy and subject content were deliberated upon also discussed. Demonstration and skill based activities were undertaken in the healthcare laboratory by teachers of GDA job role.

A field visit to the hospital in Bhopal was organised for first-hand exposure of the vocational teachers. They were taken to a hospital under field visit so that a first hand experience could be shared with them. Two eminent experts from Ministry of Health and Family welfare, Mumbai undertook the areas relevant to GDA like inpatient care, out patient care, First aid care, Biomedical waste, Hospital Emergencies. Various videos motivating GDA were also shown in between the session. The programme was coordinated by Dr. Abhijit Nayak, Professor and





## 12. Vocational Teachers Training for the Job Roles under Food Processing Sector

Vocational Teachers Training, for the Job Roles under Food Processing Sector, was organised by PSS Central Institute of Vocational Education from 4<sup>th</sup> to 8<sup>th</sup> December, 2023 at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. The programme aimed to provide both theoretical knowledge and substantial practical exposure, equipping teachers to effectively impart up-to-date skills in this dynamic field. The programme drew in 21 participants hailing from diverse states such as Andhra Pradesh, Delhi, Gujarat, Punjab, and Rajasthan. This eclectic mix fostered a vibrant learning environment, facilitating cross-learning opportunities. Engaged in group discussions and hands-on practical exercises, participants actively immersed themselves in the training sessions. Participants gained hands-on experience by crafting a range of food and dairy items including fermented and other dairy products like Dahi, Yoghurt, Lassi, Chakka and Shrikhand innovative beverages such as Whey Mango and Whey Jaljerra drinks along with Paneer, Kulfi, Jam, Jelly, Ketchup, Egg Pickles, Osmotic dehydrated Candies, Cakes, Muffins, Buns etc. and also learnt how to do some basic test at laboratory to assess the quality or component of



food samples. This practical immersion enabled immediate application of newly acquired techniques, facilitating a profound assimilation of learned skills. The training programme equipped vocational teachers with specialized knowledge and teaching methodologies, tailored for the Food Processing Sector, resulting in enhanced instructional skills, updated industry insights and adeptness in fostering practical learning environments thereby empowering them to efficiently train students for successful careers in food processing job roles. The programme was coordinated by Dr. R. Ravichandran, Professor and Head, Department of Engineering and Technology, PSSCIVE, Bhopal.

## 13. Vocational Teachers Training Programme for Vocational Job Role in IT-ITeS Sector

Vocational Teachers Training Programme, for the Job Roles under IT-ITeS Sector, was organised by PSS Central Institute of Vocational Education from 8<sup>th</sup> to 12<sup>th</sup> January, 2024 at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. Forty two teachers from the State of Himachal Pradesh, Maharashtra and Goa participated in this programme. Three external resource persons and two internal faculty members took different sessions of the job role on Junior Software Developer in IT-ITeS. The technical sessions were delivered by faculty of





PSSCIVE as per the schedule. The participants performed practical of Python programming and MySQL. In the valedictory session, the programme coordinator presented the brief report of the programme. Dr. Deepak Paliwal, Joint Director, PSSCIVE addressed the participants and asked to take benefits of the programme to train the students as well as their fellow teachers. Feedback of the participants were record through Google form. The programme was coordinated by Dr. Deepak Shudhalwar, Professor, Department of Engineering and Technology, PSSCIVE, Bhopal.

#### **14. Orientation Programme of Key functionaries for Improving the Quality of Vocational Education and Training in Andaman and Nicobar Islands (Online and Offline Mode)**



PSS Central Institute of Vocational Education organised a training programme for Teachers and Key Functionaries for Vocational Education and Training in Andaman and Nicobar Islands at Portblair, Andaman and Nicobar Islands. The programme was organized from 11<sup>th</sup> to 20<sup>th</sup> October, 2023 in blended mode. The programme was organized with the objective to orient the officials on NEP 2020 and vocationalisation of school education; to develop various pedagogical skills among vocational teachers for implementation of learning outcome-based vocational curriculum; to train vocational teachers on employability skills and to advance vocational teachers knowledge and skills for effective implementation of various job roles. The first part was orientation of key functionaries of Andaman and Nicobar Islands consisted of classroom sessions and workshops. The participants were provided an overview of the National Education Policy 2020, the NSQF and the Samagra Shiksha initiative. They were also given hands-on training on curriculum development, assessment and evaluation. The participants included state and

district-level officials working in the area of vocational education, p rincipals of schools where vocational education has been implemented, vocational education trainers and instructors. The second part was dedicated to vocational teachers training in the area of IT, Tourism, Beauty and Wellness and Agriculture sector. The programme was divided into two modules and each module focused on a specific aspect of the IT, Tourism, Beauty and Wellness and Agriculture sectors. Practical sessions were also conducted where the participants actively took part and applied the knowledge and skills they acquired in their respective sectors. Field visits were organized for acquainting the participant teachers in the above sectors. Open discussion was also held during the programme to discuss issues and challenges in vocational education programme in schools and districts in the Andaman and Nicobar Islands. The programme was coordinated by Dr. R. Ravichandran, Associate Professor and Head, Department of Humanities, Science, Education and Research, PSSCIVE, Bhopal.

## 15. Awareness Building on Innovation, Incubation, and Entrepreneurship amongst Vocational Teachers and Students

A boot camp on Drone Technology, under the PAC programme titled "Awareness Building on Innovation, Incubation, and Entrepreneurship amongst Vocational Teachers and Students", was organised under the guidance of Dr. Deepak Paliwal, Joint Director, PSSCIVE, and was coordinated by Dr. R. Ravichandran, and conducted by Jarvis Labs Pvt. Ltd., Bhopal from 1<sup>st</sup> to 4<sup>th</sup> February, 2024 at PSS Central Institute of Vocational Education, Bhopal. The boot camp commenced on 1<sup>st</sup> February, 2024, with an inauguration graced by Shri Inder Singh Parmar, the Hon'ble Minister of Higher Education, AYUSH, Technical Education, Government of Madhya Pradesh. Shri Parmar encouraged students to actively participate in such training and innovative activities.

The prize distribution ceremony was held on 2<sup>nd</sup> February, 2024, which was presided over by Shri Gautam Tetwal, the Hon'ble Minister of Skill Development and Employment, Government of Madhya Pradesh. The boot camp featured a range of activities aimed at providing hands-on experience and knowledge about drones. Day 1 included theoretical introduction to drones, simulated drone piloting sessions, and a drone maintenance workshop. Day 2 featured a drone building challenge, a thrilling drone racing competition, and



concluded with certification and prize distribution. Invitations were extended to students and teachers from various schools, resulting in an enthusiastic participation of 86 students and 7 teachers from five schools in Bhopal: Demonstration Multipurpose School, CM RISE – Govt. HS School Mahatma Gandhi BHEL, Govt. Naveen HSc. School, Arera Colony, Jawahar Navodaya Vidyalaya, Ratibad, Saraswati Vidya Mandir, Sharada Vihar School. Similar boot camps were also held in Shajapur and Rajgarh district of Madhya Pradesh. The diverse participation underscored the inclusive nature of the program, engaging both students and teachers in the exploration of drone technology. The boot camp served as a platform for skill enhancement, fostering innovation, and promoting entrepreneurship among vocational students and educators.



Shri. Gautam Tetwal, The Hon'able Minister of Skill Development and Employment



## EXTENSION PROGRAMMES

### 01. Vocational Education through Indian languages with reference to NEP 2020

PSS Central Institute of Vocational Education, Bhopal, under its extension lecture series programme, held a lecture on the topic "Vocational Education through Indian languages with reference to NEP 2020" on 19<sup>th</sup> October, 2023. The distinguished speaker of the programme was Dr. Shashi Ranjan Akela, a renowned figure from Rajeev Gandhi Prodyogiki Vishwavidyalaya, Bhopal.

The programme commenced with a video presentation that underscored the pivotal role of vocational education in equipping students with practical know-how and enhancing their readiness towards the workforce. The video showcased institute's developed digital resources, along with its digital library, e-learning platforms, and other online resources that are tailored to support students in their academic journey. It was highlighted how these resources are tailored to support students in their academic journey and benefit them in their enhanced learning and research.

Dr. Deepak Paliwal, Joint Director, PSSCIVE, Bhopal, addressed the august gathering on the institution's role in shaping and implementing futuristic job roles. He highlighted that one of the primary tasks of PSSCIVE is to select and prepare students for futuristic job roles. Dr. Shashiranjan, in his speech, emphasized the pivotal role of education in national development, with a specific focus towards technical and skill education. He highlighted the need to dispel myths regarding vocational education, which is often perceived as different from mainstream education. Dr. Shashiranjan pointed out the remarkable success of the ISRO's Chandrayaan mission, India's historic achievements in supercomputer technology, and our vision of



"Vasudev Kutumbakam" – one nation, one family. The lecture highlighted India's rich heritage in education, spanning centuries of knowledge and wisdom. Dr. Shashiranjan underscored that India has been a cradle of profound learning and that its educational system has always been deeply connected to the development of values. He invoked the teachings of Swami Vivekananda, who emphasized the completeness of all nations and the concept of the world as one family. Dr. Shashiranjan's lecture was a remarkable insight into the multifaceted nature of education's role in the development of both individuals and nations. His perspective encouraged students to think beyond traditional boundaries, fostering a more comprehensive understanding of the interconnectedness of education, culture, and national growth. In his speech, Dr. Shashiranjan encouraged the audience to embrace a more holistic approach towards education and development. The programme concluded with a vote of thanks proposed by Dr. Jaydeep Mandal, Principal, RIE, Bhopal. Dr. Mandal extended his warm wishes to all the newly inducted students, acknowledging their pivotal role in shaping the future of the institution.

He then warmly extended his gratitude to the esteemed chief guest, Dr. Shashiranjana Akela, the distinguished faculties, and the brilliant young minds who have chosen RIE as their academic home.

The meeting was coordinated by Dr. Vipin Kumar Jain, Associate Professor, Department of Humanities, Science, Education and Research, PSS Central Institute of Vocational Education, Bhopal.

## 02. Innovations for High-Quality Learning

PSS Central Institute of Vocational Education, Bhopal, under its extension lecture series programme, held a lecture on the topic "Innovations for High-Quality Learning" on 13<sup>th</sup> March, 2023. The distinguished speaker of the programme was Mrs. Karishma Sanghvi, Founder and Director of Shikha Academy International.

The event, commenced with a ceremonial inauguration, was attended by 50 participants from Bhubaneswar, including teachers participating in a Capacity-Building Program for Vocational Education at the Middle Stage (Classes VI To VIII). Dr. Vipin Kumar Jain, the program coordinator, initiated the session, introducing Mrs. Sanghvi, whose credentials underscored her eminence in education sector. Mrs. Sanghvi emphasized the need for a paradigm shift in the approach to Indian education and engaged participants in an interactive dialogue on prevalent challenges. She introduced Shikha Academy which aims at



*Mrs. Karishma Sanghvi*

revolutionizing Indian education by preparing students for real-world success through its transformative pedagogical practices. Following the session, participants were encouraged to provide feedback on the curriculum, pedagogy, and assessment methods. Dr. Vipin Kumar Jain extended gratitude to Mrs. Sanghvi for her insightful keynote address and expressed commitment to implementing innovative practices in education. The meeting was coordinated by Dr. Vipin Kumar Jain, Associate Professor, DHSE, PSSCIVE, Bhopal.



## 03. Experience Sharing on Achieving Excellence

PSS Central Institute of Vocational Education, Bhopal, under its extension lecture series programme, held a lecture on the topic "Experience Sharing on Achieving Excellence" on 15<sup>th</sup> March, 2023. The distinguished speaker of the programme was Mr. H.N. Shrinivas, Ex- Sr. Vice President – Total Quality and Business Excellence (Corporate Quality Head) and Ex - Sr. Vice President – Human Resources, The Taj Group of Hotels and Director – HR, HP Global Delivery India Centres.

The event, commenced with a ceremonial inauguration, was attended by 50 participants from Bhubaneswar, including teachers participating in a Capacity-Building Program for Vocational Education at the Middle Stage (Classes VI To VIII). Dr. Vipin Kumar Jain, programme coordinator, warmly welcomed Mr. Shrinivas,





highlighting his extensive career journey spanning leadership roles at The Taj Group and HP Global Delivery India Centers. Dr. Deepak Paliwal, Joint Director, PSSCIVE, Bhopal delivered a gracious welcome speech, emphasizing the event's importance in shaping the future of vocational training.

Mr. Shrinivas began his address by sharing insights into Ratan Tata's visionary efforts in education and skill development, emphasizing the transformative power of education in societal progress. Quoting A.P.J. Abdul Kalam, Mr. Shrinivas underscored education's role in fostering individual and societal advancement. The lecture concluded with Dr. Abhijit Nayak expressing his sincere gratitude to Mr. Shrinivas for his insightful speech, followed by the distribution of certificates to participants from Bhubaneswar.



## 04. National Conference on “Perspectives and Practices in Vocational Education and Training”

PSS Central Institute of Vocational Education (PSSCIVE), Bhopal organised a two day National Conference on "Perspectives and Practices in Vocational Education and Training" on 1<sup>st</sup> and 2<sup>nd</sup> February, 2024. The conference attracted more than 100 participants from all over India, including experts, representatives from various organizations and institutions, researchers, and students from different vocational sectors.

The distinguished personalities that were present inaugural august gathering of the conference were Shri Inder Singh Parmar, Hon'ble Cabinet Minister-Higher Education, Technical Education and AYUSH Department, Government of Madhya Pradesh, Dr. Deepak Paliwal, Joint Director, PSSCIVE, Bhopal, Prof. Jaideep Mandal, Principal, Regional Institute of Education, Bhopal, Dr. Sandeep Nair, Registrar, Chanakya University, Bengaluru, Dr. Manas Kumar Mishra, Director, GL Bajaj Institute of Technology and Management, Greater Noida, and Programme Coordinator, Prof. Saurabh Prakash.

Hon'ble Cabinet Minister, Shri Inder Singh Parmar, in his speech emphasized the need to integrate technology into the traditional skills of village artisans through vocational training in his inaugural speech. He urged a shift from theoretical knowledge to practical skills that enhance livelihood opportunities. He highlighted the significance of guiding the youth towards progress and success in various fields through vocational education.

In the inauguration session, Dr. Deepak Paliwal, Joint Director, PSSCIVE, Bhopal in his speech showcased the work and achievements made by the institution in the field of Vocational Education and Training. Prof. Jaideep Mandal, Principal, Regional Education Institute (RIE), Bhopal, emphasized aligning with the objectives of NEP 2020 to eliminate differentiation between 'profession' and 'vocation.' Dr. Sandeep Nair, Registrar, Chanakya University, Bengaluru,



stressed the need to bridge the gap between school education, vocational education, technical education, and industry requirements. Dr. Manas Kumar Mishra, Director, GL Bajaj Institute of Technology and Management, Greater Noida, proposed the inclusion of Augmented Reality and Virtual Reality courses in professional education.

Prof. Saurabh Prakash, Conference Coordinator, highlighted that more than 100 research papers are being presented during the two days conference, covering various themes, such as integration of emerging technologies in vocational education, entrepreneurship development, and competency-based assessment. He also expressed gratitude to the experts, researchers, and attendees for their participation.

Throughout the two day conference, participants were engaged in 14 sessions, exploring into a range





of topics surrounding vocational education and training. Research papers were presented, showcasing the latest insights and innovations in the field. The conference provided a platform for fruitful discussions, knowledge sharing, and networking among stakeholders committed to advancing vocational education.

On the second day of the conference, Keynote Speaker, Dr. Madhuri Dubey, Founder of National Skill Network, Hyderabad presented her views on how networking and connecting with people brings out a big change. She said that with our today's global digital connectivity, we now need to promote vocational education and work-integrated education, which would be helpful in the world of work and also helps in employment generation. Another Keynote Speaker, Dr. Anil Kumar Dubey, Director, SPREI, Anand, while addressing the students, said that special attention should be given to renewable energy in vocational education. The renewable energy sector is growing rapidly in the world and renewable energy is being considered the best alternative to conventional energy in the future.

The distinguished personalities that were present in the valedictory august gathering of the conference were Shri Gautam Tetwal, Hon'ble Minister of State (Independent Charge) for Skill Development and Employment of the Government of Madhya Pradesh, Dr. Deepak Paliwal, Joint Director, PSSCIVE, Bhopal, Prof. Vinay Swarup Mehrotra, Head, Curriculum Development and Evaluation Centre and Centre for International Relations, PSSCIVE, Bhopal, Ms. Garima Jhamb, (Sr. Head – NEP Implementation and HR), ASDC, Dr. Ajay Kumar Bhushan, Vice Chancellor, Scope Global Skills University, Bhopal and Prof. Saurabh Prakash, Programme Coordinator.

Hon'ble Minister of State, Shri Gautam Tetwal, inaugurated the Selfie Point and an IoT-based Irrigation Monitoring and Control System, both initiatives aimed at promoting skill development within the institute. He emphasized the commitment in making Madhya Pradesh a hub for skilled professionals, fostering self-reliance and

addressing unemployment challenges. He underscored the importance of collaboration among government, educational institutions, and professionals to achieve the shared goal of empowering youth with relevant skills for the workforce.

Ms. Garima Jhamb, (Sr. Head – NEP Implementation and HR), ASDC shared their views on the implementation of vocational education. She emphasized the industry support will always be there towards implementing of vocational courses. Dr. Ajay Kumar Bhushan, Vice Chancellor, Scope Global Skills University mentioned the Importance of skills in Education System in India. Prof. Vinay Swarup Mehrotra emphasized the significance of vocational education in our daily life.



At the end, Prof. Saurabh Prakash, Programme Coordinator presented the brief report of the conference. Dr. Deepak Paliwal, Joint Director, PSSCIVE, Bhopal presented his views over the conference and thanked everyone for making this conference a success. The participants express their gratitude to PSSCIVE, Bhopal for hosting the outstanding National Conference. The conference concluded with insightful conclusions drawn from the presented research, reaffirming the collective commitment to advancing Vocational Education and Training in India.



## PAB (DEVELOPMENT) PROGRAMMES

### 01. Workshop for Curriculum and Development of Textbook for Job Role – Land Transport Associate for Class IX in Logistics Sector.

A five days Working Group Meeting of experts was organized by Department of Business and Commerce at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal from 09<sup>th</sup> to 13<sup>th</sup> October 2023 for review and finalization of the curriculum and development of the textbook for the Job Role “Land Transport Associate” for Class IX in Logistics Sector. The experts, who attended the meeting, were Dr I. Shivanagasreenu and Mr. Jitendra Sharma. There were one non-local expert and one local expert too in the meeting. The meeting began with the review and finalization of curriculum developed by the PSSCIVE, Bhopal with the support of Logistics Sector Skill Council, Chennai. The discussion, during the meeting, was made over finalized curriculum, structuring of student textbook units and sessions, experts developing assigned units according to edited



theory and practical content, plagiarism removal, and textbook finalization. At last feedback was collected from experts and closing session of the WGM and valedictory session was organized. The meeting was coordinated by Dr. P. Veeraiah, Professor and Head, Department of Business and

### 02. Workshop for Development/ Review of Textbooks for 2 Job Roles - Jute Product Artisan and Finisher and Packer

A five days Working Group Meeting of experts was organized by Department of Home Science and Hospitality Management at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal from 09<sup>th</sup> to 13<sup>th</sup> October 2023, in hybrid mode, for development/review and finalization of the textbook for the Job Role “Jute Product Artisan” and “Finisher and Packer”. 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, review and finalize the text books for Job Roles of Jute Product Artisan and Finisher and Packer. The textbooks underwent a comprehensive review process, and all insights and details offered by the assembled experts have been meticulously



considered as part of the ongoing efforts to refine and enhance the educational materials associated with these specific job roles. The text books were reviewed and are under process with all details and



inputs discussed by the experts during the meeting. Textbooks for 2 Job Roles i.e., Jute Product Artisan and Finisher and Packer, are finalized. The meeting

was coordinated by Dr. Pinki Khanna, Professor and Head, Department of Home Science and Hospitality Management, PSS Central Institute of Vocational

### 03. Working Group Meeting for Development of Textbook for Job Role - Electric Vehicle Service Assistant for Class XI

A three days Working Group Meeting of experts was organized by Department of Engineering and Technology at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal from 25<sup>th</sup> to 27<sup>th</sup> October 2023 for review and finalization of the curriculum and development of the textbook for the Job Role "Electric Vehicle Service Assistant" for Class XI. The programme was inaugurated by Incharge Joint Director, PSSCIVE, Bhopal and Prof. Saurabh Prakash, Programme Coordinator.

Prof. Saurabh Prakash welcomed all the participants and informed them the aim of the meeting. During his inaugural address, he said there is need to modernize and review the curriculum and text book as per new emerging technology. During the meeting, representative from industry and academic areas shared their view on the importance of Electric Vehicle. A list of tools and equipment was also prepared. During the meeting, representative of



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XT Mobility Energy Pvt Ltd. Greater Noida, Abhishank Technologies Pvt. Ltd. Noida, Uttar Pradesh, India, Scope Global University, Bhopal and faculties of Department of Engineering and Technology, PSSCIVE, Bhopal interacted and reviewed the curriculum and text book on Electric Vehicle Service Assistant. The meeting was coordinated by Dr. Saurabh Prakash, Professor and Head, Department of Engineering and Technology,

### 04. Working Group Meeting for Development of Textbook for Job Role - Drone Service Technician for Class XI

A three days Working Group Meeting of experts was organized by Department of Engineering and Technology at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal from 25<sup>th</sup> to 27<sup>th</sup> October 2023 for review and finalization of the curriculum and development of the textbook for the Job Role "Drone Service Technician" for Class XI. The programme was inaugurated by I/c Joint Director, PSSCIVE, Bhopal and Prof. Saurabh

Prakash, Programme Coordinator. Prof. Saurabh Prakash welcomed all the participants and informed them the aim of the meeting. During his inaugural address, he said there is need to modernize and



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review the curriculum and text book as per new emerging technology. During the meeting, representative from industry and academic areas

shared their view on the importance of drone technology. A list of tools and equipment was also prepared. During the meeting, representative of LLOYD Skill Centre (Authorised Exclusive Drone Service Centre of Garuda Aerospace), Greater Noida, MANIT, Bhopal and Jarvis Labs, Bhopal and faculties of PSSCIVE Department of Engineering and

Technology interacted and reviewed the curriculum and text book on Drone Service Technician Book for Class XI. The textbook on Job Role - Drone Service Technician for Class XI has been finalized. The meeting was coordinated by Dr. Saurabh Prakash, Professor and Head, Department of Engineering and Technology, PSS Central Institute of Vocational

## 05. Working Group Meeting for Development of Textbook for Job Role - Solar Panel Installation Technician for Class XI

A three days Working Group Meeting of experts was organized by Department of Engineering and Technology at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal from 1<sup>st</sup> to 3<sup>rd</sup> November 2023 for review and finalization of the curriculum and development of the textbook for the Job Role "Solar Panel Installation Technician" for Class XI. The programme was inaugurated by the Joint Director, PSSCIVE and Programme Coordinator Prof. Saurabh Prakash. Prof. Saurabh Prakash welcomed all the experts and informed the aim of the meeting. During his inaugural address he said there is need to modernize and review the curriculum and textbook as per new emerging technology. During the meeting, representative from industry and academic areas shared their view on the importance of solar panel installation. A list of



tools and equipment was also prepared. During the meeting, the experts and faculties of Department of Engineering and Technology, PSSCIVE, Bhopal interacted and reviewed the curriculum and text book on Solar Panel Installation Technician for Class XI. The meeting was coordinated by Prof. Saurabh Prakash, Professor and Head, Department of

## 06. Working Group Meeting for Finalization of Curriculum and Development of Textbook for Job Role -Travel Advisor for Classes X and XII

A five days Working Group Meeting of experts was organized by Department of Business and Commerce at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal from 4<sup>th</sup> to 8<sup>th</sup> December 2023 for review and finalization of the curriculum and development of the textbook for the Job Role "Travel Advisor" for Class X and XII. Four experts from the Tourism and Hospitality sector contributed to the development of the curriculum and textbooks. The meeting began with a thorough review of existing



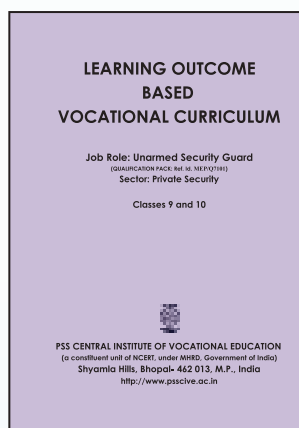


educational standards to ensure alignment with national and international benchmarks. This was followed by discussions on curriculum framework, identification of key learning outcomes, and textbook development strategy. The development process involved breaking down the curriculum framework into cohesive units to ensure a logical and progressive flow of information. The textbooks

were designed to incorporate diverse elements such as different learning styles, interactive features, and assessment tools to cater to the varied needs of students. The meeting was coordinated by Dr. Prakash Chandra Rout, Assistant Professor, Department of Business and Commerce, PSS Central Institute of Vocational Education, Bhopal.

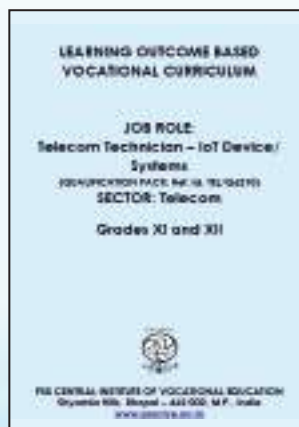
## 07. Working Group Meeting for Finalization of Curriculum and Development of Textbook for Job role – Secretary

A five days Working Group Meeting of experts was organized by Department of Business and Commerce at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal from 11<sup>th</sup> to 15<sup>th</sup> December 2023 for review and finalization of the curriculum and development of the textbook for the Job Role "Secretary". Five experts contributed in the development of curriculum and textbook. The development process involved breaking down the curriculum framework into cohesive units, ensuring a logical and progressive flow of information. The textbook incorporated diverse elements like learning styles, interactive elements and assessment tools to cater to the varied needs of the students. The meeting was coordinated by Dr. P. Veeraiah, Professor and Head, Department of Business and Commerce, PSSCIVE, Bhopal.



## 08. Review of the Draft Textbook for Job Role - Telecom Technician – IoT Device Systems for Class XI

The first workshop for review the textbook for the job role on Telecom Technician – IoT Device Systems (QP Code TEL/6210) was conducted from 18<sup>th</sup> to 21<sup>st</sup> December, 2023. Two local experts and two internal faculty of the institute attended the workshop. The draft textbook of the Class XI was reviewed by the experts. The experts suggested the corrections to be incorporated and figures to be included in the textbook. The experts suggested that certain contents has to be rewritten and some more contents are required to be added with practical activities. After incorporating these suggestions, the next workshop will be conducted to finalise the textbook of Class XI as well as some more workshops will be organised to draft and review the contents of textbook of Class XII of this job role. The meeting was coordinated by Dr. Deepak Shudhalwar, Professor, Department of Engineering and Technology, PSSCIVE, Bhopal.



## 09. Working Group Meeting for Finalization of Curriculum and Development of Textbook for Job role - Land Transportation Associate for Class X in Logistics Sector

A five days Working Group Meeting of experts was organized by Department of Business and Commerce at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal from 18<sup>th</sup> to 22<sup>nd</sup> December 2023 for review and finalization of the curriculum and development of the textbook for the Job Role "Land Transportation Associate" for Class X in Logistics Sector. Three experts from the Logistics sector contributed in the development of curriculum and textbook. The curriculum was reviewed and finalized with the support of Logistics Sector Skill Council, Chennai. Discussion was held on theory content and practical activities to be included in the textbook. Units, session and practical activities were drafted for the



textbook. Pictures were added in between practical activities in the units by the experts. The meeting was coordinated by Prof. P. Veeraiah, Professor and Head, Department of Business and Commerce, PSS Central Institute of Vocational Education,

## 10. Working Group Meeting for Development of Curriculum and Textbook for Job Role - Hydroponics Technician and Plant Tissue Culture Technician

A three days Working Group Meeting of experts was organized by Department of Agriculture and Animal Husbandry at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal from 27<sup>th</sup> to 29<sup>th</sup> December 2023 for development of curriculums and textbooks for the Job Role - "Hydroponics Technician" and "Plant Tissue Culture Technician". 7 experts joined the WGM, out of which 4 experts worked on Hydroponics Technician Job Role and 3 experts worked on Plant Tissue Culture Technician Job Role. Draft curricula were finalized and chapters of the textbooks were distributed among the experts for



SB (Student Textbook) development. The meeting was coordinated by Dr. R. K. Pathak, Professor and Head, Department of Agriculture and Animal

## 11. Working Group Meeting for Development of Curriculum and Textbook for Job Role - Hydroponics Technician and Plant Tissue Culture Technician

A three days Working Group Meeting of experts was organized by Curriculum Development and Evaluation Centre at PSS Central Institute of

Vocational Education (PSSCIVE), Bhopal from 15<sup>th</sup> to 17<sup>th</sup> January 2024 for the review of the draft textbook for the vocational subject of Character Designer





(MES/Q0502) for Class XI. The meeting aimed to review and revise the content of the textbook, ensuring alignment with the National Occupation Standards (NOSs) for the job role of Character Designer. The meeting was attended by six external experts and two faculty members from PSSCIVE, Bhopal. The meeting commenced with an introduction to the objectives of the textbook, emphasizing its role in preparing students for the practical aspects of character design. Each unit of the draft textbook was systematically reviewed. Technical aspects such as fundamentals of character

design, elements, and processes of 2D and 3D character designing were thoroughly discussed and revised wherever necessary. The experts provided constructive feedback on the clarity, relevance, and practicality of the content. The textbook was cross-referenced with industry standards to ensure that the content remained current and reflected the latest advancements in character design. The meeting was coordinated by Dr. Vinay Swarup Mehrotra, Professor and Head, Curriculum Development and Evaluation Centre, PSSCIVE, Bhopal.

## 12. Working Group Meeting to Review and Finalise Draft Textbook for Job Role - Drone Operator - Multirotor for Class XI

A two days Working Group Meeting of experts was organized by Curriculum Development and Evaluation Centre at PSS Central Institute of Vocational Education (PSSCIVE) on 17<sup>th</sup> and 18<sup>th</sup> January 2024 to review the draft textbook for the vocational subject of "Drone Operator – Multirotor" (AAS/Q6301) for Class XI. The meeting was attended by four external experts and two faculty members from PSSCIVE, Bhopal. The primary agenda of the meeting was to review the technical content of the draft textbook, which is structured into five units. These units were reviewed and revised to correspond with the specific National Occupation Standards (NOSs) given in the Qualification File for the job role and the responsibilities of a Multirotor Drone Operator. The



meeting commenced with an introduction to the objectives of the textbook, emphasizing its role in preparing students for the practical aspects of learning about the operation of multi-rotor drones. Technical aspects, such as drone technology, flight operations, safety protocols, and data analysis were

thoroughly discussed and modified where necessary. The content of the textbook was cross-referenced with industry standards to ensure that the content remained current and reflected the latest advancements in drone technology. The meeting was coordinated by Dr. Vinay Swarup Mehrotra, Professor and Head, Curriculum Development and Evaluation Centre,



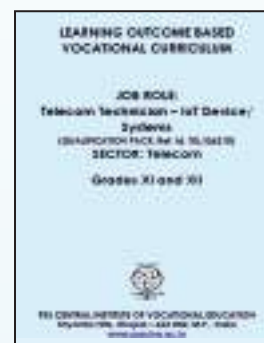
### 13. Development of the Draft Textbook for Job Role - Telecom Technician – IoT Device System for Class XI

Second workshop for review of the draft textbook on Telecom Technician – IoT Device systems was organised from 16<sup>th</sup> to 25<sup>th</sup> January, 2024. One local expert and two internal faculty of the institute attended the workshop. In the workshop, the corrections suggested in the last workshop were incorporated and the textbook was rearranged. It

was once again reviewed and the contents of the Class XI was finalised by the expert. The next workshop will be conducted to develop and review the textbook of Class XII of this job role. The meeting was coordinated by Dr. Deepak Shudhalwar, Professor, Department of Engineering and Technology, PSSCIVE, Bhopal.

### 14. Development of the Draft Textbook on for Job Role - Telecom Technician – IoT Device Systems (QP Code TEL/6210) for Class XII

The workshop for development of the textbook for the job role on Telecom Technician – IoT Device Systems (QP Code TEL/6210) was conducted from 4<sup>th</sup> to 15<sup>th</sup> March, 2024 at PSSCIVE, Bhopal. One local expert and two internal faculty of the institute attended the workshop. They drafted the contents of the Class XII textbook for Job Role - Telecom Technician – IoT Device Systems. The contents already written were also reviewed. At the end of the workshop, the draft textbook is ready, which will be reviewed by external experts in the next workshop. The meeting was coordinated by Dr. Deepak



### 15. Working Group Meeting for Review and Finalization of Textbooks of Two Job Roles Finisher and Packer and Jute Product Artisan

A three days Working Group Meeting of experts was organized by Department of Home Science and Hospitality Management at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal from 11<sup>th</sup> to 15<sup>th</sup> March 2024 for development of curriculums and textbooks for the Job Role - "Finisher and Packer" and "Jute Product Artisan". Various experts including subject and technical experts participated in the meeting in online and offline mode to shared their

knowledge and expertise. The agenda of the meeting was to review and finalize textbooks of two Job Roles - Finisher and Packer and Jute Product Artisan. The meeting went well, and the goal was accomplished. The meeting was coordinated by Dr. Pinki Khanna, Professor and Head, Department of Home Science and Hospitality Management, PSS Central Institute of Vocational Education, Bhopal.



## 16. Working Group Meeting WGM for Development and Finalization of Textbook for Job Role - Solar Panel Installation Technician Book and Drone Service Technician Book

A five days Working Group Meeting of experts was organized by Department of Engineering and Technology at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal from 11<sup>th</sup> to 15<sup>th</sup> March 2024 for development and finalization of textbooks for the Job Role - "Solar Panel Installation Technician" and "Drone Service Technician". In this meeting, about 8 experts from the academic institutions and industry contributed in finalization of the books. The programme coordinator discussed curriculum and textbook developed in these areas. The meeting was



coordinated by Prof. Saurabh Prakash, Professor and Head, Department of Engineering and Technology,

## 17. Workshop for Development of Textbook for Job Role - Web Developer for Class XI and XII

A workshop was organised for development of textbook on Web Developer for Class XI and Class XII. The workshop was organized from 11<sup>th</sup> to 15<sup>th</sup> March, 2024 at PSSCIVE, Bhopal. During the workshop, the textbook, developed on the Job Role – Web Developer, was being reviewed over the developed book content. The textbook aims to provide comprehensive guidance to aspiring web developers, covering essential topics in the web development field. The book encompasses a range of chapters crucial for mastering web development skills like HTML, CSS, JavaScript, Frameworks, DBMS and PHP. Each chapter includes practical

examples and visual aids to enhance understanding and engagement. The review of curriculum for the Job role - Web Developer was done by Prof. K.V. Arya, ABV-IIITM, Gwalior. After that textbook was developed and the content was reviewed by Mr. Vijay Goswami, Founder and Director of Attrix Technologies from 11<sup>th</sup> to 16<sup>th</sup> March, 2024. Both the experts contributed significantly to refining the curriculum and content for accuracy and relevance. The meeting was coordinated by Dr. Muneesh Chandra, Professor, Department of Engineering and Technology, PSS Central Institute of Vocational Education, Bhopal.

## 18. Working Group Meeting for Review and Finalization of Curriculum and Development of Textbooks for Job Role - Warehouse Claims Coordinator for Classes XI and XII

A five days Working Group Meeting of experts was organized by Department of Business and Commerce at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal from 11<sup>th</sup> to 15<sup>th</sup> March 2024 for review and finalization of the curriculum and development of the textbook for the Job Role -

Warehouse Claims Coordinator (QP Code: LSC/Q2117) for Classes XI and XII in Logistics Sector. In this meeting, four external local experts and four internal experts were involved to develop the two textbooks. The meeting began with the review and finalization of curriculum developed by the

PSSCIVE, Bhopal with the support of Logistics Sector Skill Council, Chennai. The discussion, during the meeting, were made over finalized curriculum, structuring of student textbook units and sessions, experts developing assigned units according to edited theory and practical content, plagiarism removal, and textbook finalization. At last feedback

was collected from experts and closing session of the WGM and valedictory session was organized. The meeting was coordinated by Dr. P. Veeraiah, Professor and Head, Department of Business and Commerce (DBC), PSS Central Institute of Vocational Education, Bhopal.

## **19. Development of textbook for Job Role - Junior Field Technician Home Appliances (QP Code ELE/3117) in Electronics Sector**

The first workshop for development of textbook for Job Role - Junior Field Technician Home Appliances (QP Code ELE/3117) for Class IX in Electronics Sector was conducted from 18<sup>th</sup> to 22<sup>nd</sup> March, 2024 at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. One local expert and two internal faculty of the institute attended the workshop. In this workshop, the contents of the textbook of Class IX

was drafted. Some of the contents were reviewed and some new contents were identified which would be written further in the book. The textbook will be finalised in the next workshop. The meeting was coordinated by Dr. Deepak Shudhalwar, Professor, Department of Engineering and Technology, PSS Central Institute of Vocational Education, Bhopal.



## OTHER PROGRAMMES

### 01. Vigilance Awareness Week सतर्कता जागरूकता सप्ताह



श्री शिशिरकांत चौबे

सतर्कता जागरूकता सप्ताह के तहत पंडित सुंदरलाल शर्मा केंद्रीय व्यावसायिक शिक्षा संस्थान, भोपाल में संस्थान के अधिकारी-कर्मचारियों को जागरूक करने के उद्देश्य से 02/11/2023 को एक व्याख्यान का आयोजन किया गया। कार्यक्रम की अध्यक्षता, संस्थान के संयुक्त निदेशक डॉ. दीपक पालीवाल जी ने की। अतिथियों का स्वागत करते हुए उन्होंने अपने उद्बोधन में संस्थान की विभिन्न गतिविधियों की जानकारी दी। वरिष्ठ संकाय सदस्य, डॉ. आर के पाठक, द्वारा प्रतिभागियों को अतिथियों के बारे में जानकारी प्रदान की गयी तथा सतर्कता जागरूकता सप्ताह के बारे में संस्थान की गतिविधियों के बारे में बताया गया।

कार्यक्रम के मुख्य अतिथि मध्यप्रदेश विधानसभा के सचिव एवं पूर्व प्रधान जिला सत्र न्यायाधीश भोपाल श्री शिशिरकांत चौबे जी ने अपने उद्बोधन द्वारा यह संदेश दिया कि आपकी मेहनत से आपका स्वाभिमान होना अच्छी बात है, लेकिन एक बात हमेशा का ध्यान रखना चाहिए कि अपने स्वाभिमान को अहंकार में मत बदलने देना। यह बात हमें अग्रजों ने समझाई है। श्री चौबे ने कहा कि आपकी कथनी और करनी एक होनी चाहिए। आप जो बोलते हैं आपको वही करना

भी चाहिए। यदि आप ऐसे नहीं करते हैं तो जिस तरह ईश्वर आपको ज्ञान और शक्ति प्रदान करते हैं, यदि आप उसका सही उपयोग नहीं करते हैं तो वह धीरे-धीरे कम होने लगता है।

संस्थान के अधिकारी-कर्मचारियों को जागरूक करते हुए महात्मा गांधी जी का एक उदाहरण देते हुए श्री चौबे जी ने बताया कि यदि आपको कहीं आपके कार्यालय से किसी गलती के नाम पर नोटिस जारी किया जाता है तो आप उसे पहले पढ़िए कि कहीं कोई आपकी गलती तो नहीं है, यदि आपकी गलती है तो मान लेनी चाहिए और नहीं है तो आपको अंत तक अपनी लड़ाई जारी रखनी चाहिए।

विशिष्ट अतिथि के तौर पर मप्र विधानसभा के अपर सचिव एवं आईपीएस अधिकारी श्री उमेश कुमार शर्मा जी ने कहा कि कार्यालयीन कामकाज में यदि किसी को किसी तरह का भ्रष्टाचार होता दिखाई दे तो उसके लिए आपको इसकी खुलकर शिकायत करनी चाहिए। इस मीटिंग को श्री ललित कुमार, अंडर सचिव, पीएसएससीआईवीई, भोपाल द्वारा समन्वित किया गया था।

## 02. Organisation of Swacha Dipawali

From 10th November 2023

In line with the festive mood of the nations under “Swachh Bharat” mission “Swachh Diwali-Shubh Diwali” campaign was held from 6<sup>th</sup> to 12<sup>th</sup> November 2023 in the institute invoking the cultural significance of and pledge was taken by the staff to imbibe the same.





### 03. Meeting of the Curricular Area Group on Vocational Education (CAG-VE)

A meeting of the Curricular Area Group on Vocational Education (CAG-VE) was held from 8th to 12<sup>th</sup> January 2024 at the Central Institute of Educational Technology (CIET), New Delhi to develop the guidelines and syllabus for implementation of vocational education in the Middle stage (Grades 6 to 8) and Secondary Stage (Grades 9 to 12). The Chairperson and members of the CAG-VE engaged in brainstorming sessions to generate ideas on how to structure and implement vocational education in Grades 6 to 12. The primary agenda of the meeting was to discuss the draft

guidelines and syllabus as per the curricular goals outlined in the National Curriculum Framework for School Education (NCFSE) 2023 for the Middle (Grades 6 to 8) and Secondary Stages – Phase-I (Grades 9 and 10) of the education system. The meeting was attended by 18 external experts and 2 faculty members from PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. The meeting was coordinated by Dr. Vinay Swarup Mehrotra, Professor and Head, Curriculum Development and Evaluation Centre, PSSCIVE, Bhopal.

### 04. 36<sup>th</sup> Institute Advisory Board Meeting (IAB Meeting)



The 36<sup>th</sup> meeting of the Institute Advisory Board was conducted on 15<sup>th</sup> January, 2024 at PSSCIVE, Bhopal under the chairmanship of Dr. Deepak Paliwal, Joint Director, PSSCIVE, Bhopal. The meeting was attended by honourable members of IAB Prof. Deepak Raut, Director, National Institute of Public Health Training & Research, Mumbai; Shri Rajendra Kumar Austin, Head of the Department, Central Academy for Police Training, Bhopal and all the faculty members of the Institute. The meeting was started by the inaugural address guidance of Prof. Dinesh Prasad Saklani, Director, NCERT, New Delhi virtually. The meeting was also attended by Prof. Amarendra Behera, Joint Director, CIET, New Delhi, Prof. Dinesh Kumar,

Head, PMD, NCERT, New Delhi and Prof. Anjum Sibia, Dean, Academic, NCERT, New Delhi in online mode. Thorough discussions were held on programmes proposed by the faculty members of the institute for the year 2024-25 in four categories viz., Research, Development, Training and Extension. Recommendations and observations were noted for modifications and changes in the programme proposals for onward transmission to Academic Committee and Programme Advisory Committee of NCERT, New Delhi for final approval. The meeting was coordinated by Prof. Pinki Khanna, Head, Programme Planning and Monitoring Centre, PSSCIVE, Bhopal.

## 05. Development of Modules under Viksit Bharat Abhiyaan

Under Viksit Bharat Abhiyaan, the Institute had developed modules entitled : Biodiesel : A Futuristic Driving Source of Energy, Electric Vehicle: Changing the Future of Automotive, Green Hydrogen: Changing the Air for Future Generation, Nuclear Energy: Generating Power for Saving Lives, Solar Power: Transiting to Future Source of Energy, Wind Energy: Generating Power for Generations, National Education Policy 2020: Addressing Future

Skill Development Opportunities through Vocational Education and a module in Hindi entitled - स्टार्ट अप : अमृतकाल में विकास का इंजन, सतत विकास के लिए अमृतकाल. The meeting was coordinated by Dr. R. Ravichandran, Associate Professor and Head, Department of Humanities, Science, Education and Research, PSSCIVE, Bhopal.

## 06. Meeting of the Curricular Area Group on Vocational Education (CAG-VE)

A meeting of the Curricular Area Group on Vocational Education (CAG-VE) was held from 19<sup>th</sup> to 21<sup>st</sup> March 2024 at the Central Institute of Educational Technology (CIET), New Delhi for drafting the guidelines and syllabus for vocational education at the Middle stage (Grades 6 to 8), as

per the National Curriculum Framework for School Education (NCF-SE). The meeting was coordinated by Dr. Vinay Swarup Mehrotra, Professor and Head, Curriculum Development and Evaluation Centre, PSSCIVE, Bhopal.







### **BOOK POST**

To, \_\_\_\_\_  
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