

PSS Central Institute of Vocational Education, Bhopal

Minutes of the 37th Meeting of the Institute Advisory Board (IAB) of PSSCIVE held on 03 February, 2025

The 37th meeting of the Institute Advisory Board (IAB) of PSS Central Institute of Vocational Education (PSSCIVE) was held on 03 February, 2025 at PSSCIVE, Bhopal. The meeting was chaired by Dr. Deepak Paliwal, Joint Director, PSSCIVE, IAB. The following esteemed members and officers attended the meeting:

1. Dr. Deepak Paliwal, Joint Director, PSSCIVE and Chairperson, IAB
2. Prof. Amarendra Behera, Joint Director, CIET, NCERT, New Delhi (connected Online)
3. Prof. Ashutosh Kedarnath Wazalwar, Head, PMD, NCERT, New Delhi (connected Online)
4. Dr. Ashita Raveendran, Associate Professor, PMD, NCERT, New Delhi (connected Online)
5. Prof. Deepak Raut, Director, Medical Superintendent and Professor of Community Medicine, MGM Medical College Hospital and Research Centre, Mumbai and Member, IAB
6. Shri Rajendra Kumar Austin, Head of the Department, Central Academy for Police Training and Deputy Director, Madhya Pradesh State Skill Development and Employment Generation Board, Bhopal and Member, IAB
7. Dr. Prem Bharti, Technical Officer, Skill Council for Green Jobs (represented on behalf of Dr. Praveen Saxena, CEO, Skill Council for Green Jobs, Bhopal and Member, IAB)
8. Dr. R.K. Pathak, Professor & Head, DAAH, PSSCIVE, Bhopal and Member, IAB
9. Dr. Vinay Swarup Mehrotra, Professor & Head, CDEC and Member, IAB
10. Dr. Saurabh Prakash, Professor & Head, DET, PSSCIVE, Bhopal and Member, IAB
11. Dr. A. Nayak, Professor & Head, DHPS, PSSCIVE, Bhopal and Member, IAB
12. Dr. Pinki Khanna, Professor & Head, DHSHM, PSSCIVE, Bhopal and IAB Coordinator
13. Dr. Punnam Veeraiah, Professor & Head, DBC, PSSCIVE, Bhopal and Member, IAB
14. Dr. Deepak Shudhalwar, Professor, DET, PSSCIVE, Bhopal
15. Dr. Muneesh Chandra, Professor, DET, PSSCIVE, Bhopal
16. Dr. V.K. Jain, Associate Professor & Head, DHSER, PSSCIVE, Bhopal and Member, IAB
17. Dr. R. Ravichandran, Associate Professor, DHSER, PSSCIVE, Bhopal
18. Dr. Prakash Rout, Assistant Professor, DBC, PSSCIVE, Bhopal
19. Dr. Rakesh Kumar Raman, Assistant Professor, DHSER, PSSCIVE, Bhopal
20. Dr. Sonam Singh, Assistant Professor, DHSER, PSSCIVE, Bhopal

The following administrative officials and staff also attended the meeting:

21. Sh. Vijay Kumar, Under Secretary, PSSCIVE, Bhopal
22. Sh. Shyamlal Meena, Sr. Accounts Officer, PSSCIVE, Bhopal
23. Sh. Praveen Katolkar, PS/APC, PSSCIVE, Bhopal
24. Sh. Vinod Kr. Soni, Computer Operator Gr. II., ICTC, PSSCIVE, Bhopal
25. Ms. Manisha Katolkar, Personal Assistant, PPMC, PSSCIVE, Bhopal

The following members could not attend the meeting:

- 26.** Dr. Neelam Patel, Senior Advisor, Niti Aayog, New Delhi and Member, IAB
- 27.** Dr. Praveen Saxena, C.E.O., Skill Council for Green Jobs, Bhopal and Member, IAB
- 28.** Col. Santosh Kumar, Director, National Council for Vocational Education and Training, New Delhi and Member, IAB

The 37th meeting of the Institute Advisory Board of PSS Central Institute of Vocational Education, Bhopal was organized in blended mode at PSSCIVE, Bhopal on 03 February, 2025. Dr. Pinki Khanna, Coordinator, IAB welcomed all the members, dignitaries, guests and faculty of the institute. Dr. Deepak Paliwal, Joint Director, PSSCIVE and Chairman, IAB, inaugurated the meeting and lighted the lamp alongwith the external members. He welcomed the honorable members of IAB Dr. Deepak Raut and Shri Rajendra Austin by presenting the saplings. He also welcomed Dr. Amarendra Behera, Joint Director, CIET, NCERT, New Delhi, Prof. Ashutosh Kedarnath Wazalwar, Head, PPMD, NCERT and Dr. Ashita Raveendran, Associate Professor, PMD, NCERT, who attended the meeting in virtual mode. Dr. Paliwal introduced the external members of IAB to the house. He then presented a brief of the programmes and achievements of the Institute during 2024-25.

Dr. Pinki Khanna then requested Dr. Amrendra Behera to address the house. Dr. Behera appreciated the Joint Director and faculty of PSSCIVE for the work done by the Institute in the area of vocational education. He said that CIVE plays a vital role in India's vocational education system. He emphasized that the vocational courses developed by the PSSCIVE should be translated in Indian languages with the help of machine learning and AI embedded tools i.e., *Bhashini* and *Anuvadini* learning tools developed by Ministry of Electronics and IT and AICTE respectively, to implement the policy vision of NEP 2020 of providing Vocational Education in the mother tongue and local languages. Dr. Behera congratulated CIVE for launching a dedicated TV channel for vocational education. He emphasized that with the help of CIET more TV channels may be used by the institute for showcasing its digital content in various sectors so that children may be skilled in these areas. He also emphasized that a Vidya Samiksha Kendra for vocational education may be set up in PSSCIVE to gather data on the status of vocational education which would be utilized by the policy makers and stakeholders in deriving need based vocational courses at local levels. Dr. Behera also suggested that CIVE can also go for Radio channels for a PAN India geographical coverage on vocational education.

Dr. Ashutosh Kedarnath Wazalwar, Head, Planning and Monitoring Division of NCERT expressed his pleasure to join the advisory board meeting for the first time. He said that the institute plays an important role in skill development and said that the researches taken up by the institute should result in the development of new vocational courses and for which teachers would be trained. He also emphasized that in the light of NEP 2020 and NCFSE 2023 different activities should be performed under various categories i.e., research, development, training and extension for strengthening of vocational education.

Dr. Deepak Raut, honorable member of the Advisory Board appreciated the work of the institute. He suggested that the institute should have a vision document for setting the goal of the institute for another 5 to 7 years focusing on various activities especially the training of all the teachers of the country in vocational education. As a result, we may have a dedicated cadre of vocational teachers alike other streams in each and every school in the country. CIVE can play an important role in this area with the support of NCERT and Ministry of Education. He said that the researches taken up by the institute should have some valuable interventions so that some development programme may be derived out of them. Regarding training of teachers, he emphasized that institute should take up some more training programme for teachers in Health sector.

Dr. Paliwal informed the house that as suggested by the Dr. Raut, the institute is working on preparing a vision document on strengthening of PSSCIVE in the area of vocational education. He also said that regarding training of teachers, the institute is in the process of developing digital content for covering more and more teachers in the training programmes on vocational education.

Dr. Rajendra Austin, eminent member of the board thanked for inviting him as member of the advisory board. He said that he has been associated with the technical and vocational education and training programmes and emphasized on the concept of Gyan par Dhyan laid by our Honourable Prime Minister and informed that a Swami Vivekananda Yuva Shakti Mission has also been launched for the skilling the youth. He suggested that PSSCIVE should also take action in this direction.

Dr. PremBharti , represented on behalf of Dr. Praveen Saxena, board member. He expressed his gratitude for inviting in the meeting. He said that their organization would like to collaborate with the institute in developing some green energy related courses mainly in the solar domain and on green hydrogen. He said that to decarbonize India by 2070 in making the country net zero we need to focus on Green Hydrogen courses. He informed about the courses developed by their institute in this area and said that these courses will have a great impact on many sectors of vocational education. He emphasized that there is currently a manpower shortage in this sector making it crucial to include training in these fields in the vocational courses.

Dr. Ashita Ravindran, Associate Professor, NCERT presented her views on the programmes proposed by the institute. She said that the institute should consider the aspect of green skills in their programmes so that the students may be equipped with green skills, keeping in mind India's goal of achieving zero emissions by 2070. She said that attention should also be given to students' behavior and the challenges they perceive in the existing system of vocational education. Special emphasis should be placed on their skills and the employment opportunities arising from vocational education.

Dr. Deepak Paliwal thanked all the members for addressing the house and for their valuable suggestions. He also expressed his gratitude to the external members for sparing time to attend the IAB meeting.

Dr. Pinki Khanna also thanked Joint Director and all the members for their expert views. She then presented the agenda items with the permission of the Chair. The agenda items discussed were as follows:

Agenda Item No. 1: To confirm the Minutes of the 36th IAB meeting held on 15 January, 2024

The minutes were confirmed.

Agenda Item No. 2: To report the Action Taken on the Minutes of the 36th IAB meeting held on 15 January, 2024

The action taken on the suggestions and recommendations given by IAB members in 36th meeting of IAB was reported by Dr. Pinki Khanna to the IAB members.

Agenda Item No.3: To consider and recommend the Programme Proposals of PSSCIVE for the year 2025-26

Dr. Pinki Khanna started presentation of the programmes of the Institute proposed for the year 2025-26. At the outset, she presented the composite statement of all the programmes proposed. She explained in detail the programmes proposed in various categories viz., Research, Development, Training, Extension and Others. She then category-wise started the presentation of programmes. A brainstorming discussion was held on all the programmes and the IAB members gave their suggestions and recommendations for finalizing the programmes. The programme-wise details of the recommendations of the IAB is given below:

PAC	Title of the Programme & Name of the Programme Coordinator	Recommendations of IAB
21.01	A Study on Mapping Local Skills with Job Roles Based on ODOP Across Uttar Pradesh and Uttarakhand- Dr. Vinod Kumar Yadav	<ul style="list-style-type: none"> - Recommended with the observation that - Educational implication may be relooked and rephrased in terms of local skills, local demands and skill gaps etc. - Methodology may be re-written matching with the objectives - Migration aspect of the students may also be considered - Abstract of the project may be written in the prescribed format
21.02	Assessing the Teacher/ Trainers Attitude Towards Teaching and Implementation of Vocational	<ul style="list-style-type: none"> - Recommended with the observation that - Sampling may be specified

	Education in Maharashtra and Rajasthan – Dr. Pravin Mahamuni	<ul style="list-style-type: none"> - Review of literature may be revisited and Indian researches about vocational teachers may also be mentioned - Factors affecting teachers' attitude may be considered - Interventions may be planned - Qualifications and salary structure of the teachers may be reflected in the proposal - Students may also be included in the project - Haryana and Delhi may also be added for comparative study. - Educational implications may be mentioned in the proposal - Abstract of the project may be written in the prescribed format
21.03	A Study of Mechanisms and Opportunities for Industry-Academia Collaboration in the Tourism and Hospitality Sector across Diverse Geographical Contexts in Madhya Pradesh and Odisha- Dr. Prakash Raut	<ul style="list-style-type: none"> - Recommended with the observation that - Number of objectives and research questions may be reduced - Research questions may be redrafted to clear the purpose of the project - Courses which are already running in the state may be identified and accordingly objectives may be revised. - Educational implications may be mentioned in the proposal. - Abstract of the project may be written in the prescribed format
21.04	A Study on Skill Gap Analysis in Banking, Financial Services and Insurance (BFSI) sector in Southern Region of India-Dr.Sangmesh Hugar	<ul style="list-style-type: none"> Recommended with the observation that - Skills to be assessed may be specified in the proposal - Identification of Skill gaps may be included. - Vocational subjects may be mentioned for which skill gap analysis is to be studied. - Educational implications may be mentioned in the proposal. - Abstract of the project may be written in the prescribed format
21.05	Study of Professional Competency and Challenges in Integrating	<ul style="list-style-type: none"> - Recommended with the observation that

	Vocational Pedagogy and Digital Tools in Schools of Chhattisgarh and Bihar- Dr. Sonam Singh	<ul style="list-style-type: none"> - Haryana and Kerala State may be included in the study - Schools may be selected population-wise from urban and rural areas - Sample size should be specific - Digital tools may be mentioned in the proposal - Better performing states in the area of vocational education may be selected - The attitudinal aspect may be taken in this study and accordingly objectives may be changed. - Abstract of the project may be written in the prescribed format
21.06	Efficacy of Implementing Vocational Education (VE) under Samagra Shiksha and in STAR States- Dr. Munesh Chandra	<ul style="list-style-type: none"> - Recommended
21.07	Identifying District Specific Job Roles on Pilot Basis in 10 Districts with Large Migration of Labour in India- Dr. Anoop Rathore	<ul style="list-style-type: none"> - Recommended
21.08	<p>Development of Certificate Course in Selected Vocational Areas</p> <p>(i) Professional French for Tourism and Hospitality (Dr. Prakash Raut)</p> <p>(ii) Emergency Response and Crisis Management (Dr. Sonam Singh)</p> <p>(iii) Installation of Solar PV System and Maintenance: Growing Demand for Solar Energy Professionals (Dr. Vinod Yadav)</p> <p>(iv) Augmented Reality Welding (Dr. Saurabh Prakash)</p> <p>(v) Landscape Designer (Dr. Anoop Rathore)</p>	<p>Recommended with the observation that</p> <ul style="list-style-type: none"> - The component of Green Skills may be included in all the Certificate courses - The total budget for working group meetings to be organized under the programmes may be mentioned in the Abstract.
21.09	Development of a Compendium on Technological Processing of Minor Forest Produce (MFP)- Dr. Rakesh Raman	<p>Recommended with the observation that</p> <ul style="list-style-type: none"> - Objectives may be mentioned in detail. - Budget may be raised for one more Working Group Meeting to finalize the compendium.

		<ul style="list-style-type: none"> - Minor Forest Produce to be introduced as an activity for the students in Middle Stage may also be explored. - As a follow-up short term training may be taken up
21.10	Development of Module for Assessment of Vocational Skills- Dr. A. Nayak	<p>Recommended with the observation that</p> <ul style="list-style-type: none"> - A Resource book may be developed instead of Assessment Module. - A Pilot activity of a small group may also be planned under the programme for assessment of vocational skills. - The Holistic Progress Card may be considered while developing the document
21.11	Development of a Road Map for Implementation of Bagless Days and Hub & Spoke Model in Schools- Dr. R. Ravichandran	<p>Recommended with the observation that</p> <ul style="list-style-type: none"> - In the Methodology, WGM with State officials of Northern and Southern States may be specified instead of all States/UTs. - Inputs from RIE, Mysore may be taken as they are working in this area.
21.12	Development and Implementation of Automation and Digital Document Management System (DDMS) for PSSCIVE Library – Dr. Rajneesh	<p>Recommended with the observation that</p> <ul style="list-style-type: none"> - All the functions of a Library may be included for automation of library. - In Key Performance Indicators, specific time duration may be mentioned in the expected duration of the programme and ‘parallel’ word may be deleted. - Collaboration with the Council’s Library may be mentioned in the proposal. - Procurement of physical and digital resources may be done from the Capital fund of the Institute/ Library and not from PAC fund.
21.13	Development and Finalization of Textbooks for Different Job Roles -Dr. Pinki Khanna	Recommended.
21.14	Development of Laboratory Manual and Updation of Vocational Laboratories of PSSCIVE – All Sector Coordinators	Recommended.

21.15	Development of Digital Resources and MOOCs on Vocational Education -Dr.Deepak Shudhalwar Activity Coordinators: A. Health Sector – Dr.A.Nayak B. Retail Sector – Dr. P.Veeraiah C. Entrepreneurship and Soft Skills – Dr. V.K Jain D. BFSI Sector – Dr. Sangamesh Hugar E. Agriculture Sector – Dr. Anoop Rathore	Recommended with the observation that - The MOOCs may be developed in the same format prescribed for SWAYAM and DIKSHA platforms. - Collaboration with CIET may be mentioned in the programme proposal.
21.16	Design, Development and Maintenance of Web Applications, Social Media and Network Infrastructure of PSSCIVE - Dr.Deepak Shudhalwar	- Recommended.
21.17	Development of Repository on Traditional Textiles of India - Dr. Pinki Khanna	- Recommended
21.18	Development of Green Technology Park involving Future Skills. - Dr. Saurabh Prakash	- Recommended
21.19	Training Teachers on Artificial Intelligence Tools for Enhanced Teaching and Learning -Dr. R. Ravichandran	Recommended with the observation that - Resources may be developed before organizing the training programme. - A pilot training may be taken up and then scale up the programme
21.20	Training on Careers in Vocational Education and Entrepreneurship for School Counsellors. - Dr.V.K.Jain	Recommended with the observation that - The list of School Counsellors may be shared with the Department of DEPFE and Prof. P.K. Mishra, Head, DEPFE may be consulted.
21.21	Training of teachers on Implementation and Evaluation of Bagless Days Activities in Middle Stage in Uttarakhand, Sikkim, Odisha and Madhya Pradesh. - Dr Anoop Rathore	Recommended with the observation that - The programme may be taken up as a separate activity under the programme no. 21.11.
21.22	Post Graduate Diploma in Vocational Education & Training (PGDVET) - Dr. Pravin Mahamuni	Recommended
21.23	Training of Teachers for Implementation of Vocational	Recommended

	Education at the Middle Stage Stage as per the National Curriculum Framework for School Education 2023 (14 Activities)- All faculty	
21.24	Awareness Programme for Key Functionaries on Implementation of Vocational Education as per National Education Policy 2020 and National Curriculum Framework for School Education 2023 - (06 Activities)- All Faculty	Recommended
21.25	Training of Teachers of Secondary Stage (Grades 11 & 12) on Domain Specific Skills (14 Activities) – All Faculty	Recommended
21.26	International Training Programme for Vocational Teachers and Trainers of Nepal, Bhutan, Myanmar and Sri Lanka.- Dr. V.S. Mehrotra	Recommended with the observation that <ul style="list-style-type: none"> - Prior Approval from concerned Department of Ministry of External Affairs may be explored. - IRD, NCERT may also be consulted. - UNESCO-UNEVOC and World Bank may be involved for local hospitality and sponsorships, etc. - The programme may be submitted under PAB.
21.27	Internship of Vocational Students in Various Vocational Areas - Dr. Munesh Chandra	Recommended
21.28	International Study on Skill Education System-Dr. V.S.Mehrotra	Recommended with the observation that <ul style="list-style-type: none"> - The programme may be submitted under PAB.
21.29	Launching of Certificate Courses in Selected Vocational Areas <ol style="list-style-type: none"> i. Zari, Zardozi and Bead Work (Dr. Pinki Khanna) ii. Artificial Intelligence (Dr. Munesh Chandra) iii. Digital Marketing (Dr. Pravin Mahamuni) iv. Electrical Vehicle (Dr. Vinod Yadav) 	Recommended with the observation that <ul style="list-style-type: none"> - Considering the nature of the course and its content, the certificate courses may be launched for 3-6 months.

	v. Food Science & Technology (Dr. Rakesh Raman) vi. Banking & Financial Services (Dr. Sangamesh Hugar) vii. Microirrigation (Dr. V.S. Mehrotra) viii. Vocational Pedagogy (Dr. V.S. Mehrotra)	
21.30	National Conference on Transforming Vocational Education: Aligning with NEP 2020 and NCFSC 2023 for a New Era - Dr. P. Veeraiah	Recommended
21.31	Awareness Building on Innovation, Incubation and Entrepreneurship amongst Vocational Teachers and Students – Dr. Vinod Yadav	Recommended
21.32	Publication of Indian Journal of Vocational Education and Bulletin on Vocational Education and Training – Dr. A. Nayak	Recommended with the observation that - Bulletin may be printed quarterly.
21.33	Extension Lecture Series - Dr. V.K. Jain	Recommended with the observation that - Lectures on Futuristic skills may be organized
21.34	Summer camp on Entrepreneurial Adventure for Vocational Students (Class 11 and 12)-Dr. V.K. Jain	Recommended with the observation to - Ensure that the teachers trained in the programme further conduct trainings in their respective states for larger number of teachers.

General Suggestions:

- More reach of students may be explored through digital programmes
- Content of the training programme may be reviewed in view of latest developments.
- Training programmes should be need-based and should cover more and more teachers.
- Key performance indicators may be specific with respect to the dates/ months and mentioned in the proposal accordingly.

Dr. Pinki Khanna thanked Joint Director, CIET; Head, PMD, NCERT, Dr. Ashita Ravindran and the external members and faculty members for their valuable suggestions and guidance in finalizing the programme proposals.

The IAB members appreciated the work of the faculty members in bringing out the exhaustive programme proposals covering different categories of Research, Development, Training and Extension. Dr. Deepak Paliwal, Joint Director, PSSCIVE thanked Joint Director, CIET; Head, PMD, NCERT; Dr. Ashita Ravindran, PMD and the external members of the IAB.

The meeting ended with a Vote of thanks to the Chair.