Report...

विद्ययाऽमृतमश्नुते

एन सी ई आर टी
NCERT

INTERNATIONAL CONFERENCE

Emerging Trends in TVET : Vision 2025

(18-20 February, 2015)

Organised by

PSS Central Institute of Vocational Education (PSSCIVE), NCERT, Bhopal

(Under Ministry of Human Resource Development, Government of India)

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INTERNATIONAL CONFERENCE
on
Emerging Trends in TVET : Vision 2025
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Prof. (Dr.) Asfa M. Yasin

Organizing Secretary &

Head, Centre for International Relationship

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Shyamla Hills, Bhopal - 462013, Madhya Pradesh, India

International Conference on Emerging Trends In TVET : Vision 2025

REPORT

June, 2015

Publication No. : 263-1-51-3H

No. of Copies : 300

National Council of Educational Research and Training (NCERT)

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Published by: PSS Central Institute of Vocational Education, NCERT, Shyamla Hills, Bhopal, Madhya Pradesh, India.
Printed by : Box Corugators and Offset Printers, Govindpura, Bhopal (M.P.) Phone: 0755-2587551, 2587651

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INTRODUCTION

India is marching forward with its young and energetic people to take on 'Leadership in Technology'. Therefore, the buzz word is “Skill Development for Skilling India” with a mission to skill 500 million people by 2022. It is in this context, Technical and Vocational Education in school education is very important for foundation of skills. In furtherance to this, the Govt. of India has launched NSQF in the country for carving niche for vocational skills in students starting from secondary level of school education up to higher education in particular vocation.

The present system of vocational education is giving emphasis on gearing up economic development of the country by preparing skilled human resource for various sectors of economy. There is need to consider following emerging avenues and features of the economy (Dr. A.P.J. Kalam) to plan the skill development program:

- Continually expanding domestic market
- Expansion of the wage economy
- Growing tendency towards self-employment
- Expanding informal economy despite growth of formal sector
- Simultaneous growth of both production and service sector.
- Modernised agriculture – qualitative transition in the rural economy
- Emergence of non-cropping economic activities on a large scale
- Substantial increase in small and medium entrepreneurship with technocrats/ professionals leading entrepreneurship
- An era of financial revolution
- Technological upsurge in manufacturing, finance, Research & Development integrated
- India leading the world in certain sectors eg., mineral-based industries (steel, aluminium, special alloys, cement), automobile, electronics, industries based on human knowledge and skills (software, media, financial services), food processing, drugs and pharmaceuticals etc.

The Govt. of India, under Skill Development Mission has projected that up to the year 2022, India's GDP growth would be 8 percent. The NSQF will make considerable impact on the vocational education system to contribute to the economy of the country resulting in increase in our GDP. The present vocational education under NSQF has attracted corporate sector thus industry driven demand for skill development is being fulfilled. Pass outs under NSQF, with special mention of Haryana state, are being provided with employment according to the industry needs/ job market. It is pertinent to mention that vocational education in Public Private Partnership (PPP) mode with industry participation will surely bring about increase in the productivity and development of the country.

The Skill Development Mission of India has aimed to train 500 million people by 2022. This gigantic target is difficult to achieve. This difficulty leads to envision a revolutionary step to integrate vocational education to general education by launching NSQF. This vocational qualification framework has many issues and

dimensions related to its implementation, delivery system, funding, standardisation of competencies etc. To deliberate upon these issues and taking stock of the parameters responsible for success and effectiveness of Vocational education has been roped in a qualification framework, it is important to look at vocational qualification framework of TVET programme of the country. It is with this view; the institute has taken the initiative to organize international conference for providing platform to discuss various issues related to vocational education and sharing experiences with other countries.

Objectives of the Conference

The objectives of International Conference are to:

- Share TVET systems of different countries
- Appreciate the significance of TVET in the changing global context
- Understand different models of TVET
- Emulate good practices in TVET
- Develop a vision for TVET in 2025

About PSSCIVE

Pandit Sunderlal Sharma Central Institute of Vocational Education (PSSCIVE), National Council of Educational Research and Training (NCERT), Govt. of India was established in 1993 at Bhopal. It is a national apex research and development organization in the field of Vocational Education to advise and assist the central and state governments and UTs on the implementation of vocational education and training programmes. The Institute is a constituent unit of NCERT under MHRD, Govt. of India.

The PSS Central Institute of Vocational Education (PSSCIVE), is a premier institute provides research and development inputs in vocational education and training sector; with a mandate to plan, develop and promote vocationalisation of education in schools. The Institute is also a UNESCO-UNEVOC Centre in India thus play key role in dissemination of information about vocational education across the globe.

A strong foundation of work culture and values go a long way in creating such institutions with world class fervour. With an experience of 21 years, the Institute faculty and staff members have worked diligently with great passion, commitment and dedication to develop a landscape for skill development and to provide vocational learning opportunities to one and all. Our faculty is specialized in agriculture, fisheries, horticulture, food processing, agriculture engineering, automobile engineering, information technology, textile designing and garment making, business and commerce, entrepreneurship, etc.

In view of above, the MHRD has assigned central role as nodal agency in the implementation of National Skills Qualifications Framework (NSQF) in the Country. The PSSCIVE is thus leading institution in the country in the field of TVET and dream to become World Class Institution.

Conference Themes

Theme 1 : Challenges to TVET

Sub-themes
- Global Scenario of TVET
- Policy Planning and Management
- Inclusive TVET System

Theme 2 : Funding to TVET

Sub -theme
- TVET Programmes and Projects

Theme 3 : National Skills Qualifications Framework (NSQF)

Sub-themes
- TVET in School Education
- TVET in Higher Education
- Lessons Learnt from implementation of TVET programmes including NSQF in India
- International Recognition of Skills Qualifications

Theme 4 : Quality Concerns in TVET

Sub-themes
- Industry Engagement in Training and Assessment
- Competency and Skill Development: Curriculum, Teacher Preparation, Assessment and Certification
- Recognition and Accreditation of Courses, Programmes and Institutions.

Theme 5 : Delivery Systems in TVET

Sub-themes
- Industry Needs and Relevance
- Outcome Based Teaching-Learning
- Vocational Teacher Preparation and Professional Development
- Curriculum and Courseware

Theme 6 : Research in TVET

Sub-themes
- Innovations
- Best Practices
- Tracer Studies

Theme 7 : Open Vocational Education System and Delivery

Sub-themes
- Recognition of Prior Learning (RPL)
- Integration of Academic Education and Vocational Education

INAUGURAL FUNCTION

- Assessment and Certification

Welcome Address by the Joint Director

Prof. R. B. Shivagunde after floral welcome of guests and delegates on the dais expressed gratitude and thankfulness to Shri Depak Joshi ji, Hon'ble Minister of School and Higher Education, Govt. of Madhya Pradesh and Shri Alok Sanjar, Hon'ble Member of Parliament, Bhopal, Madhya Pradesh for their gracious presence and inaugurating the Conference. In his welcome address he briefed the dignitaries about the role and functions of PSSCIVE and its pivotal role in the implementation of NSQF across the country as a nodal agency announced by the MHRD, Govt. of India for curricula development, training of teachers and capacity building of state key functionaries. He placed on record, thanks to MHRD for giving this responsibility. He informed the house that the PSSCIVE is currently engaged in the above mentioned tasks in 17 sectors under NSQF viz., (1) Information Technology - IT Enabled Services, (2) Private Security, (3) Automotive and Automobile Components, (4) Retail, (5) Healthcare, (6) Physical Education and Sports, (7) Beauty and Wellness, (8) Telecommunication, (9) Media and Entertainment, (10) Rubber Technology, (11) Agriculture, (12) Banking, Financial Services and Insurance, (13) Travel, Tourism and Hospitality, (14) Apparels, Made-ups and Home Furnishing, (15) Electronics, (16) Manufacturing, and (17) Construction. Prof. R. B. Shivagunde, also shared achievements and contributions of PSSCIVE in the area of Vocational Education.

He mentioned that the Institute has developed about 200 of curricula including occupation based curricula primarily in six sectors for 2 years vocational courses offered in states since 2 decades. To transact the curriculum, he informed that hundreds of text books, instructional manual, question banks, teacher guide, implementation guidelines, pre-vocational modules etc. have also been developed by the Institute. He requested all the dignitaries and delegates to have a look of these publications, kept in the exhibition of PSSCIVE publications outside the auditorium.

He informed the august gathering that as UNESCO – UNEVOC centre, the PSSCIVE is active on international portal of TVET to disseminate information and sharing experiences about vocational education in India.

He assured all the foreign delegates that the Institute will be happy to join hands and provide support to interested countries for furtherance of vocational education and training.

In the end, he once again extended warm welcome and thanks to delegates and dignitaries for gracing the occasion.

About the Conference

Prof. Asfa M. Yasin, after extending welcome to all the guests and delegates, she gave a brief about the schedule and activities of 3 days Conference.

Address by the Chairperson

Prof. B. K. Tripathi, Director, NCERT, chaired the inaugural session. He welcomed the chief guest Shri Deepak Joshi, Hon'ble Minister of School and Higher Education, Govt. of Madhya Pradesh, and Shri Alok Sanjar, the Guest of Honour and other invited guests including keynote speakers from India and abroad and all the delegates. He appreciated efforts of the PSSCIVE for timely organization of the International conference when India has launched the qualification framework like other countries. He made special mention of skilled manpower requirement of the country because of huge demand and opportunities available in various sectors of economy. To prepare skilled work force is a challenge as there is paucity of experts. He stressed on the need of preparing trainers for effective vocational programme in the country.

Prof. Tripathi appreciated the participation of various countries and hoped to have quality deliberations during the conference which will go a long way in the endeavor of providing quality TEVT to all. He assured that NCERT will look forward to recommendations emerge from the conference and institutionalization of suitable ones in the TVET of our country to meet the challenges of providing quality TVET and human resource development. He congratulated the PSSCIVE for organizing the conference and good participation from across the world. Prof. Tripathi wished grand success for the conference.

Address by the Guest of Honour

Shri Alok Sanjar, Hon'ble Member of Parliament from Bhopal graced the function as Guest of Honor, extended warm welcome to all the delegates especially international delegates to Bhopal 'The Heart of India'. He informed the house about the development of new education policy for India, which is in process. Shri Sanjar requested all eminent educationists present in the conference for advocacy to make space in the policy for inculcating inquisitiveness in students. He said that our Prime Minister desire to have provision for skill based education for all students of the country by 2025.

Shri Sanjar requested the Director, NCERT, to come forward in this endeavor. He said that this is the need of the hour to make school education as employment oriented and students be given market oriented training, as at present youth do not require only degree linked education, it should make them employable. He owned the responsibility of students who are unable to become employable even after acquiring degrees & educational qualifications. He said that it is the responsibility of education system as a whole. In the end, he congratulated and appreciated the initiative of the PSSCIVE to organize the International Conference for fruitful discussions and carving strategies for effective TVET system across the globe. Shri Sanjar thanked the PSSCIVE for providing the opportunity to him to be present in this conference. He wished grand success of the conference.

Address by the Chief Guest

Shri Deepak Joshi, Hon'ble Minister of School and Higher Education Govt. of Madhya Pradesh as Chief Guest of the inaugural function extended welcome to delegates specially international delegates to Bhopal 'The City of Lakes'. He appreciated the organizers to include the 'Bhopal Darshan' in the conference schedule. Shri Joshi started his address by highlighting the history of Indian Education where there was great importance of vocational education and skill development as an integral part of education. But after freedom, the education system we made in haste has harmed us. We have to review, re-think and re-define our education system as today, we see that qualification and degree based education is not able to provide and equip students to use this education during their job because of gap between demand & supply of employment based requirements and educational inputs. A student feel helpless even after having professional/ technical education when he is at work place, this is because of lack of development of skills & competencies required for the particular job through education system. Shri Joshi mentioned that education is not to be seen for a package. He said that due attention should be given to include cultural and social attributes in the new education policy which is under way. Education should be such which may prepare our youth to be able to give happiness and health to the entire world as a family.

Hon'ble Shri Joshi, congratulated Prof. R.B. Shivagunde, Joint Director PSSCIVE and praised the Institute for its active participation in the furtherance of vocational education in the country. He appreciated the presence of Prof. B. K. Tripathi, Director, NCERT, New Delhi, who came especially for this conference. He ended his address with his blessings and best wishes for the success of the conference.

Participation

A total of about 250 participants attended the Conference including International delegates from countries viz., Germany, Nigeria, Nepal, Philippines, Namibia, Fiji, Bangladesh, Indonesia, Sri Lanka, Newzealand, South Africa, and USA.

Welcome of Experts Invited for Keynote Address

Warm floral welcome was extended to the invited eminent TVET specialists from various national and international organisations for delivering keynote address on themes of the conference.

TECHNICAL SESSIONS

Eminent vocational education experts and practitioners from all over the country and abroad were invited for delivering keynote address and invited lectures on various themes and sub-themes of the conference. Besides officials from MHRD, the invited experts were from various national organisations which include National Skill Development Agency (NSDA), National Skill Development Council (NSDC), Sector Skill Councils, National Council for Educational Research and Training (NCERT), National Institute of Technical Teachers Training and Research (NITTTR), National University of Educational Planning and Administration (NUEPA), National Institute of Open Schooling (NIOS), Indira Gandhi National Open University (IGNOU), Manipal City & Guild, EduSport and Directorates of various states implementing NSQF, The experts from International organisations included UNESCO-UNEVOC, International Labour Organisation (ILO), Commonwealth Educational Media Centre for Asia (CEMCA), University of Cologne, Germany , National Skill Development Council (NSDC), Bangladesh, etc.

In the technical sessions, there were 7 keynote addresses, 11 invited lectures and 72 international delegates and national delegates presented their papers and posters in the conference. The paper and poster presentations were organised in parallel sessions. After the synthesis of all technical sessions, recommendations were drawn out to carve the Vision 2025 for TVET.

KEYNOTE ADDRESSES

Prof. Mathias Pilz

Director, German Research Center for Comparative Vocational Education and Training, Cologne, Germany

Title : Global Scenario of TVET : The Role of Pre-Vocational Education

The technical sessions of the conference began with the keynote address titled "Global Scenario of TVET : The Role of Pre-Vocational Education" based on the theme 1 of the conference presented by Prof. Mathias Pilz, Director, German Research Center for Comparative Vocational Education and Training, Cologne, Germany. Prof. Pilz referred to the purpose of vocational education and training as smooth school to work transition. A student at the pre-vocational level is introduced to work and vocations which prepare them for the entry to the world of work. This paper further analysed and compared the curriculum of India, US, China and Germany on content and skills of Vocational Education and found that status of training in Germany was found to be superior as it incorporated country specific job role to prepare the student for future livelihood.

Countries like India, US, China gave more stress on academic education and qualification whereas in Germany, vocational training is considered to be of foremost importance while gaining education.

Prof. Santosh Mehrotra

Professor, Centre for Informal Sector & Labour Studies School of Social Sciences, Jawaharlal Nehru University, New Delhi

Prof. Santosh Mehrotra provided insights of the conditions existing on Vocational Education (VE) in India. The address focussed on the myths existing about the number of workforce in India as based on a skewed population which has followed a wrong estimate. According to Prof. Mehrotra, economy of countries where VE is successful is based on private sector market whereas India still depend on Government institutions as provider of Jobs and hence India has 93% workforce in Informal sector with only 7% in formal sector. He emphasized the importance of the concept of VE which goes along the current "Make in India" campaign.

He appreciated the efforts of PSSCIVE in its contributions to NSQF. He said we need to focus on skill development to realize the dream of PM – Make in India. In non-agriculture sector, we are creating over 7 million jobs. He also said that we don't have to worry about the demographic dividend as we are creating jobs.

He emphasized some of the worrying trends are as follow:

1. We are still very far away from the target set for 2022, even if we consider that 200 million are to be trained by 2022.
2. Quality of education needs attention. Research studies have shown that training achievements are very low.
3. No. of private institutions have grown considerably and there are more than 10,000 govt. and private ITIs.
4. Quality of training imparted in these institutions need attention.
5. Assessment/Evaluation of the quality of training being imparted by skill development institutions should be done by the Industry.
6. Recognition of Prior Learning needs greater attention and an adequately planned and systematic system should be in place.
7. Training of girls should be imparted in the workplace.

Mr. Paul Comyn

Specialist on Vocational Training & Skills Development, ILO, DWT for South Asia and Country Office for India (DWT/CO-New Delhi), New Delhi, India

Title : Measuring Quality and Relevance in Skills Systems

Dr. Comyn highlighted the importance of quality of services/products and their measures, and relevance in skills systems. His address covered aspects related to TVET with respect to an overview of quality in skills systems, identification of key quality issues in India and international approach to measuring quality and relevance in skill systems. He discussed about outcome indicators used to measure quality in skills systems at both the levels of training providers and the systems as a whole. These are enrolment, participation, completion, attainment, progression, employment, satisfaction of students and employees. The international indicators

developed the Inter-Agency Working Group on TVET. Comprised of ILO, UNESCO, OECD, World Bank and Asian Development Bank include financing, access, quality and innovation and relevance.

Dr. Comyn flagged quality assurance measures being practiced in India as:

- Provide an overview of quality in skill systems;
- Identify key quality issues in India; and
- Present an international approach to measuring quality and relevance in skill systems.

Dr. Madhu Singh

Senior Programme Specialist, UNESCO Institute of Lifelong Learning, Hamburg, Germany

Title : How can Research in TVET Serve as a Tool and an Agent of Change?

Dr. Madhu Singh at the outset put forth the key issues related to TVET research, considering this dimension of TVET of great significance and as a tool for policy planning and to suggest strategies for effective implementation of TVET. She pointed out that research essentially collects and analyses information to increase our understanding of a topic or an issue. TVET research usually applied strategic or action-based and is rarely pure in nature.

Dr. Singh discussed research approaches and tendencies in current national strategies/priorities for TVET research. She stressed on the need to re-visit research priorities for the future, also making continuing vocational education and training, the fourth pillar of our education and training system. She said that it is important to know that how setting standards and pathways to certification under qualification are contributing to reforms in TVET.

According to her TVET researches should be regarded as an academic discipline in Universities to enable them and other TVET and CVET institutions to cooperate in a process of regional cooperation. She summarised her talk by saying that there is a need for systemic development of TVET, closer cooperation between industry, schools and universities, generate research data on labour market and employment outcomes and extent to which different TVET programmes are meeting needs of the society, economy and individuals. She ended her talk by saying that currency of qualifications in society, economy and education and training will be important dimension of TVET.

Ms. Belinda Smith

Senior QA Specialist, India EU Skills for Inclusive Growth, New Delhi, India

Title: Quality Assusrance for Building Robust Qualifications

Ms. Belinda Smith focussed her address on aspects of Quality Assurance approach, improving the status of TVET, aims of TVET Quality Assurance Framework and National Quality Assurance System (NQAS) with reference to India under India-EU Skills Development Project. On the issue of improving the status of TVET in India, she emphasized the need of legislation to protect and stop the erosion on the qualifications framework.

She further stressed on skilling of workforce as a guarantee of what a person can do. She discussed TVET quality assurance framework aims, which included:

- improve the consistency and industry relevance of TVET graduates;
- protect learners from inferior and non-relevant TVET;
- provide a structure for continuous improvement of TVET ;
- lift the quality of all TVET training providers no matter how limited are the resources, as an inclusive rather than exclusive framework, to assist training providers to work within a quality framework rather than setting benchmarks that will exclude training providers; and
- provide greater transparency and consistency across the TVET ecosystem as it provides a common framework and tools for the ecosystem as a whole to improve, monitor and evaluate management, provision and outcomes.

Dr. Kuldeep Agarwal

Director (Academic), National Institute of Open Schooling (NIOS), Noida, Uttar Pradesh, India

Title : Open Vocational Education

In order to understand this sub-theme, we need to comprehend three different terms: ***'Education'***, ***'Vocational Education'*** and ***'Open Education (Learning)'***.

Education (in a holistic, broad sense) is a multi-leveled experiential journey of discovery, expression and mastery where all students (and teachers) learn and grow together. It is a quest for understanding and meaning. Its aim is to nurture healthy, whole, curious persons who can learn whatever they need to know in any new context. It is concerned with the growth of every person's intellectual, emotional, social, physical, artistic, creative and spiritual potentials and aims at integrating/creating balance between knowledge, skills and values.

The Delor's Commission Report, UNESCO, "Education in the 21st Century - Learning: The Treasure Within" has mentioned four Pillars of Education:

- Learning to Know
- Learning to Do
- Learning to Live Together
- Learning to Be

Education should prepare all for life as well as for livelihood. Developmental tasks of adolescent stage (which become characteristics of adult stage) should be the goals of life, and of education. The principal ones are:

- Cognitive Autonomy (Thinking Skills)
- Emotional Autonomy (Development of Affective Domain)
- Moral Autonomy (Value Inculcation)
- Economic Autonomy (Livelihood)

The economic autonomy leads us to **Vocational Education**, which aims at Skill Development needed for earning one's livelihood or attaining economic autonomy. Holistic Education includes both academic as well as vocational education. Why should we conceptualize vocational education separately. In fact, ideally, all education should have the component of vocational education/ skill development. Mere academic education renders individuals incapable of earning their livelihood; pure vocational education will not prepare individuals for life; for leading a good life.

Gandhiji's philosophy of **Basic Education** was based on this principle of integration of vocational and academic education. UNESCO's four pillars point towards the same

idea. The NSQF (National Skills Qualification Framework) also accepts this principle, particularly at school level (Levels 1 to 4).

'Open Education' is usually coupled with **'Distance Education'**. Both these need to be understood as distinct concepts. In Distance Education the teacher and the taught are at a distance; the key for open education is **'flexibility'**.

Open Vocational Education (OVE) refers to flexible skill development, where inter alia eligibility conditions and assessment procedures, etc. can be flexible. OVE has a crucial role to play in the context of the country's requirement of millions of skilled personnel in the coming years, particularly in lower and middle level Job Roles. **RPL (Recognition of Prior Learning)** is also an important aspect of flexibility. OVE does and should make optimum use of ICT for reaching out to large number of learners. OVE has been recognized by NSQF as an accepted mode of skill development by making NIOS an important partner in the mission of skill development.

To sum up, the following recommendations can be made for this conference aimed at developing a future vision for vocational education:

- Education is ideally holistic where both academic as well as skill development find prominence.
- Education should prepare all children (and adults) for Life as well as Livelihood.
- Flexible Open Vocational Education is crucial for skilling the large number of personnel required by our beloved country.
- Recognition of Prior Learning is an important aspect of flexibility that should be brought in a big way under the umbrella of OVE.
- Optimum use of ICT is imperative in OVE for skilling large numbers.

OVE needs to be explored and utilized extensively in the mission of skilling millions of personnel.

INVITED LECTURES

1. **Mr. Alisher Umarov**, Chief of Education, UNESCO Office, New Delhi, India

   Title : *Emerging Trends in TVET: Vision 2025*

2. **Dr. I. C. Awasthi**, Professor of Economics, Giri Institute of Development Studies, Lucknow, Uttar Pradesh

   Title : *The Development Programmes: A Disconnect for Evaluation Framework*

3. **Mr. Jaikant Singh**, Head - Program Development, National Skill Development Corporation (NSDC), New Delhi

   Title : *Emerging Trends in TVET - Vision 2025*

4. **Prof. M Sen Gupta**, Director, KIIT College of Education, Gurgaon, Haryana

   Title : *Acquiring Skills for Enhanced Employability*

5. **Prof. A. P. Verma**, Professor (Retd., PSSCIVE, NCERT), New Delhi

   Title : *Concept of Basic Competencies - An Emerging Aspect*

6. **Prof. C. B. Singh**, Former Dean, College of Agriculture, Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur, Madhya Pradesh

   Tille : Strategies to Transform Unorganized Sector to an Organized Sector through Vocational Education and Training

7. **Prof. Poonam Agrawal**, Head, Department of International Relations, NCERT, New Delhi

   Title : TVET Research: Some Issues and Suggestions

8. **Dr. Ankuran Dutta**, Programme Officer (L & H), Commonwealth Educational Media Centre for Asia (CEMCA), New Delhi

   Title : Technical Vocational Skill Development through Open and Distance Learning in India

9. **Mr. Deepak Mehrotra**, Marketing Manager (India), Labtech International, Noida, Uttar Pradesh

   Title : Best Practices for Setting-up an Internationally Benchmarked TVET Programme

10. **Ms. Klaudia and Mr. Avinash Kashyap**, Symbiosis, Indore, Madhya Pradesh

    Title : German Dual Education System – at the grass root level

11. **Shri. K.K. Agnihotri**, Additional Director, National Skills Qualifications Framework (NSQF) Cell, Directorate of Secondary Education, Panchkula, Haryana

    Title : Implementation of CSSVE (NVEQF) in Haryana

PAPER PRESENTATIONS

1. **Prof. Matthias Pilz**, Director of the German Research Center for Comparative Vocational Education and Training Cologne, Germany

   Title : Training like at Home or like the Domestic Competitors? A Study of German and Indian Companies in India

2. **Ms. Rumi Sikdar**, Chief Executive Officer, Ants Consulting & Services Pvt. Ltd., Bangalore, Karnataka, India

   Title : Developing an Alternate Vocational Education Model catering to the Skill Building Needs of the Country (Specifically for Low-income Groups)

3. **Dr. Suniti Sanwal**, Professor & Head, Department of Humanities, Science & Education Research, PSSCIVE, Bhopal, Madhya Pradesh, India

   Title : A Study of Early Childhood Workforce in Bhopal and Indore Cities

4. **Mr. Y.P. Chawla**, Advisor, Joint Electricity Regulatory Commission and Research Scholar, New Delhi

   Title : India's TVET Skills Landscape 2025

5. **Mr. Hari Pada Das**, Programme Officer, Bangladesh Skills for Employment and Productivity Project, International Labour Organisation Dhaka, Bangladesh

   Title : Case Study on Innovative Practices in Skills Development: A Unique Model of Public-private Partnership in Skills Development for the Underprivileged in Bangladesh

6. **Dr. M. K. Salooja**, Professor, School of Agriculture, Indira Gandhi National Open University (IGNOU), New Delhi, India

   Title : Issues and Challenges in Implementation of Recognition of Prior Learning in Agriculture Sector (presented by: Dr. Saurabh Prakash, Professor and Head, Department of Engineering & Technology, PSSCIVE, Bhopal)

7. **Mr. Ali Idris**, Lecturer, Department of Science and Technology Education, Faculty of Education, Bayero University Kano, Kano State. Nigeria

   Title : Achieving Nigeria's Vision 2020: The Role of Technical and Vocational Education in Competency and Skill Development in Nigeria

8. **Ms. Tina Nweze**, Senior Lecturer, Department of Educational Foundations, Faculty of Education, Ebonyi State University, Abakaliki, Ebonyi State, Nigeria

   Title : Technical and Vocational Education Training in Higher Education in Nigeria: Implications for Guidance and Counselling

9. **Dr. Anita Dubey**, Assistant Professor, Department of Chemistry, Govt. M.L.B. Girls P.G. College, Bhopal, Madhya Pradesh, India

   Title : Technical and Vocational Education and Training Status in India

10. **Dr. P. Veeraiah**, Assistant Professor, Department of Business & Commerce, PSS Central Institute of Vocational Education, Bhopal, Madhya Pradesh, India

    Title : Vocationalisation of Secondary and Higher Secondary Education – A Study on Policy Perspectives

11. **Ms. Winda Lestari**, KADIN Indonesia - Business Support Desk (KADIN BSD), Indonesian Chamber of Commerce and Industry, Jakarta, Indonesia

    Title : Chance of People with Disability in Labour Market

12. **Dr. Deepa S. Kumar**, Assistant Professor (English), Institute for Excellence in Higher Education, Bhopal

    Title : Productive Employment and Empowerment of Rural Women through Technical and Vocational Education and Training

13. **Mr. Suresh Mane and Mr. Anand Sapkal**, Full Time Teachers, Bahrati Vidyapeeth Sangli, Maharashtra, India

    Title : Integrated Modelling of Technical and Vocational Education and Training (TVET) with Formal Education

15. **Ms. Sumedha Tyagi**, Research Scholar, Department Of Management, Vardhaman Mahaveer Open University, Kota, Rajasthan, India

    Title : An Overview of the TVET Scenario and Challenges of the SAARC Nations with a Reality Check of the Indian Situation

16. **Mr. Isimeli Tagicakiverata**, PATVET Coordinator, Fiji National University, Nasinu Campus, Nasinu, FIJI ISLANDS

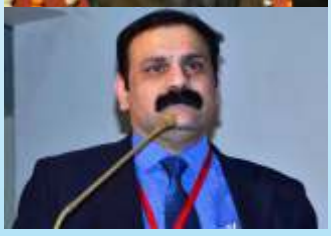
    Title : International Networking and Collaboration in the Pacific Region

17. **Mr. Mahesh Assudani**, PSS Central Institute of Vocational Education, Bhopal

    Title : Role of Vocational Educational Institutions in Skill Development and Capacity Building

18. **Mr. Vivek Nagpal**, Senior Consultant, RUSA Resource Center, Department of Higher Education, Ministry of Human Resource Development, GoI, New Delhi

    Title : Vocationalisation of Higher Education under Rashtriya Uchaatar Shiksha Abhiyan



19. **Prof. Vinay Swarup Mehrotra**, Professor & Head, Curriculum Development & Evaluation Centre & National Skills Qualifications Framework Cell, PSS Central Institute of Vocational Education, Bhopal, Madhya Pradesh, India

    Title : Attitude of Principals of Higher Secondary Schools of Haryana towards Learning Outcome Based Vocational Education under National Skills Qualifications Framework

20. **Dr. Anita Puri Singh**, Professor and Head, Department of Psychology, Govt. M.L.B. Girls P.G. Autonomous College, Bhopal, Madhya Pradesh, India

    Title : The Scenario of Skill Development Programme in Higher Education under the STAR Scheme

21. **Dr. P. Veeraiah**, Assistant Professor, Department of Business & Commerce, PSS Central Institute of Vocational Education, Bhopal

    Title : Outcomes Based Teaching and Learning in Vocational Education - Special Reference to National Skills Qualifications Framework

22. **Dr. Abhijit Nayak**, Associate Professor, PSS Central Institute of Vocational Education, Bhopal, Madhya Pradesh, India

    Title : Vocationalisation So Far and Road Ahead of Post National Skills Qualifications Framework - Future Challenges

23. **Mr. Ravindra Chandrashekhar Balapure**, Deputy Director in Vocational Education and Training, Education & Training Officer, Aurangabad, Maharashtra

    Title : Role of NSQF to Enhance the Quality of Vocational Education at +2 Level in Maharashtra

24. **Mr. S. L. Balmike**, Director, S. L. Balmike Productions, Goregaon (west), Mumbai, Maharashtra, India

    Title : Importance of Video Films (Educational Media) in Vocational Education

25. **Dr. Saurabh Prakash**, Professor and Head, Department of Engineering &Technology, PSSCIVE, Bhopal, Madhya Pradesh

    Title : Skill Development Training in Informal Sector of Two Wheeler Automobile Industry in India: Present Practices and Future Prospects

26. **Dr. Tara Sabapathy**, Associate Professor and Head, P.G. Department of Education, Vijaya Teachers College, Jayanagar, Bengaluru, Karnatka, India

    Title : Reforms in Technical Education through Quality Improvement Programmes

27. **Dr. Kshama Pandey**, Assistant Professor, Faculty of Education, Dayalbagh Educational Institute, Agra, Uttar Pradesh, India

    Title : Harnessing Entrepreneurial Skills to Reconceptualization of Teaching Competencies

28. **Dr. Catherine U. Osuji**, Lecturer, Dept. of Educational Foundations, Faculty of Science & Technical Education, Rivers State University of Science & Technology, Nkpolu, Port Harcourt, Nigeria.

    Title : Poverty Reduction through Effective Vocational Guidance

29. **Dr. P. Veeraiah**, Assistant Professor, Department of Business & Commerce, PSSCIVE, Bhopal, Madhya Pradesh

    Title : Quality Concerns for Vocational Teachers Preparation – A Study

30. **Ms. Nabila Rehman**, Research Scholar Department of Home Science, Banasthali University, Banasthali, Rajasthan, India

    Title : Emerging Trend of Ergonomics in Training and Skill Development Process

31. **Mr. I. Y. Umar**, Department of Industrial and Technology Education, Federal University of Technology, Minna, Nigeria

    Title : Competency Needs of Metalwork Technology Teachers for Effective Teaching in Technical Vocational Education and Training Institutions in Nigeria

32. **Mr. Kadiri Shamusideen**, Consultant, Technical and Vocational Education, Zub Chord Technical Ventures, Lagos, Nigeria

    Title : Repositioning Vocational and Technical Education in Nigeria: Skills Training of Vocational Teachers in Competency Based Assessment in Lagos State, Nigeria

33. **Dr. Nalini Srivastava**, Associate Professor (Vocational Education), Faculty of Education, M.J.P. Rohilkhand University, Bareilly, Uttar Pradesh

    Title : Best Practices in Vocational Teacher Preparation in India

34. **Mr. Jitendra Sharma**, Assistant Professor, Institute of Professional Education and Research, Bhopal, Madhya Pradesh, India

    Title : Industry Needs and Relevance

35. **Mr. Alpheas Chipapa Shindi**, Consultant, Technical and Vocational Education and Training, Namibia

    Title : Vocational Teacher Preparation and Professional Development

36. **Dr. Deepa Cherukunnath**, Consultant, Department of Health & Paramedical Sciences, PSSCIVE, Shyamla Hills, Bhopal

    Title : Training Students as Community Health Facilitators to Provide Additional Resources in Speech, Language and Hearing

37. **Mr. Christopher Coley**, Research Analyst, AMMACHI Labs, Amrita University, Kollam, Kerala, India

    Title : Ensuring training-transfer and personal performance after TVET: A strategy within the rural, Indian context for post-training engagement of TVET students for long-term success

38. **Ms. Suhasini R. Mahajan**, Ms. Savita A. Rane and Ms. Yogeshwari V. Ladhe, Dr. A.G.D. Bendale Mahila Mahavidyalya, Jalgaon, India

Title : Recent Aspects on Tools, Techniques and Skills applied in Teaching-Learning Vocational and Technical Education

39. **Mr. Shaji B.**, Research Scholar in Human Resource Management Bharathiar University, Tamil Nadu and Vocational Teacher in MRDA, Republican VHSS, Konni, Pathanamthitta, Kerala, India

Title : Analysis of Entrepreneurship Education in Vocational Education and Training

40. **Mr. Hari Prasad**, Ph.D. Scholar, School of Education, Kathmandu University, Nepal

Title : Exploring the Gap between Content and Learning Outcomes in Nepalese Technical Education

41. **Dr. Asfa M. Yasin**, Professor and Head, Centre for International Relationship, PSSCIVE, Bhopal, Madhya Pradesh, India

Title : Practices for Ensuring Quality in Technical and Vocational Education and Training in India: Success and Problems

42. **Mr. Yogesh Kulkarni**, Director, Vigyan Ashram, Post-Pabal Dist. Pune, Maharashtra, India

Title : Vocational Education and Training in School Education: Vigyan Ashram Experience on Multi-skill Training and Community Services

44. **Dr. Seema Dhawan**, Associate Professor, HNB Garhwal University, Srinagar, Uttarakhand, India

Title : Vocational Pedagogy requires Cooperative Learning and Action research for Success

45. **Mr. Alexander Gbenga Ogundele**, Lecturer, School of Technical Education, Kwara State College of Education (Technical), Ilorin, Kwara State, Nigeria

Title : Female Students' Enrollment Trend into Technical Education Programmes in Nigeria: A Case of College of Education (Technical), Lafiagi

46. **Mr. Nazrul Haque**, Azim Premji University, Bangalore, Karnataka, India

Title : Skilling for a Better Life

47. **Mr. Raymond, Emmanuel,** Department of Industrial & Technology Education, Federal University of Technology, Minna, Niger State, Nigeria

    Title : Needed Improvement in Work-Based Learning Programme for Quality Occupational Training In Minna Metropolis

48. **Mr. D. M. Lomte**, Craft Instructor, Government Industrial Training Institute, Mulund, Mumbai, Maharashtra, India

    Title : Gastronomic Tourism and Local Cuisine: Role of Vocational Training in Promoting Local Cuisine in Mumbai City of Republic of India

49. **Ugochukwu Chinonso Okolie**, Research Scholar, Department of Technology and Vocational Education, Ebonyi State University, Nigeria
    (Presented By: Ms. Tina Nweze, Senior Lecturer, Department of Educational Foundations, Faculty of Education, Ebonyi State University, Abakaliki, Ebonyi State, Nigeria)

    Title : Vocational Education and Training in the Informal Sector for Effective Regional Integration: Lessons from Southeast Nigeria

50. **Mr. D.K. Parmar**, Research Scholar, B.B.I.T, V.V. Nagar, Gujarat

    Title : Impact Analysis of Vocational Training Programmes imparted by Polytechnics under the Scheme of Community Development through Polytechnics on Employability of Youth in Gujarat State

51. **Mr. Ranajeet Shanbhag**, Deputy Director, Vigyan Ashram, Pabal, Maharashtra

    Title : Open Education Resources for Improving Quality of Skills Training

52. **Mr. Sanjay Kumar Pandagale**, Assistant Professor, Regional Institute of Education, Bhopal
    (Presented by: **Dr. Pravini Pandagale**, Assistant Professor, Regional Institute of Education, Bhopal)

    Title : Teacher's Need for Professional Development in Vocational Education

53. **Dr. Hemlata Baghel**, Assistant Professor, Barkatullah University, Bhopal

    Title : A Study of Vocational Interest Towards Personality and Economic Level of Elementary School Students

54. **Mr. Hari Pada Das**, Programme Officer, Bangladesh Skills for Employment and Productivity Project, International Labour Organisation, Dhaka, Bangladesh

    Title : Case Study on RPL System Development in Bangladesh: Moving towards Recognition of Skills Developed Informally through Recognition of Prior Learning

55. **Mr. Tutan Ahmed**, Research Scholar, IIM, Bangalore

Title : Reasons for Recent Skill Demand in India – Institution, Market and Vocational Education and Training (VET) in India

56. **Mr. Rajiv Krishna**, Bridgewater, New Jersey, USA

57. **Mr. N. B. Saxena**, Joint General Manager, Construction Skills Trg. Dept., Larsen & Toubro Construction, Delhi

Title : The Need and Understanding of Recognition of Prior Learning versus Mapping of Prior Competence in Construction Sector: A Study based on Project Outcomes

58. **Dr. Manu Pratap Singh**, Associate Professor, Department of Computer Science, Dr. B. R. Ambedkar University, Khandari, Agra, Uttar Pradesh
(Presented by: **Mr. Deepak Shudhalwar**, Faculty in VE (CSE), Department of Engineering & Technology, PSSCIVE, NCERT, Bhopal, Madhya Pradesh, India

Title : Machine Intelligence for E- Learning Process

59. **Ms. Shobhna Shrivastav**, Assistant Professor, Sathya Sai College for Women, Habibganj, Bhopal, Madhya Pradesh and
Ms. Rekha Bhatt, Assistant Professor, Sathya Sai College for Women, Habibganj, Bhopal, Madhya Pradesh, India

Title : Measurement of Attitude of Teachers towards the Integration of Academic and Vocational Education

60. **Mr. Rahul Chandra Kushwaha**, DST- Centre for Interdisciplinary Mathematical Sciences, Banaras Hindu University, Varanasi, Uttar Pradesh

Title : Planning and Implementation of Massive Open Online Courses for Technical and Vocational Education

61. **Mr. Tribodh Tripathi**, Consultant, Dept. of Engineering & Technology, PSS Central Institute of Vocational Education (PSSCIVE), Bhopal

Title : Electronic Portfolio – A Reliable Skill Assessment Technique in Vocational Education

62. **Mr. Nilkanth B. Bagujar**, Department of Higher Secondary Vocational Education, K. R. Kotkar Jr. College, Chalisgaon, Jalgaon, Maharashtra and
Mr. Deepak S. Shukla, Department of Higher Secondary Vocational Education, K. R. Kotkar Jr. College, Chalisgaon, Jalgaon, Maharashtra

Title : Effective Teaching with Technology in Vocational Education

63. **Mrs. R. Pushpa Namdeo**, Assistant Professor, Barkatullah University, Bhopal

    Title : Role of TVET in Empowering Women of Self Help Group

64. **Mr. G. Krishnaraj**, Research Scholar, NITTTR, Chennai, India

    Title : Integration of Team Work Skill in Evaluation Criteria: Need of the Hour in Textile Technical Education

65. **Mr. Kunjesh Shrivastava**, Manager and HOD, Multimedia Department, CRISP, Shyamla Hills, Bhopal

    Title : Technical and Vocational Education for Hearing Impaired People using Communication Media Elements

66. **Prof. Praveen Tamot**, Professor, Post-Graduate Department of Zoology, Government Motilal Vigyan Mahavidyalaya, Bhopal

    Title : Role of Technical and Vocational Education & Training (TVET) in Fisheries for Upliftment of Socio-Economic Status and Livelihood

67. **Dr. Sunildatta Panjabrao Akhare**, Full Time Teacher (Poultry Production), HOD of H. S. C. Vocational, Mungsaji Maharaj Mahavidyalaya, Darwha, Yavatmal, Maharashtra, India

    Title : Study of Different Models for Integration of Academic and Vocational Education

68. **Dr. Usha Ajithkumar M.K.**, Assistant Professor, Hansraj Jivandas College of Education, University of Mumbai

    Title : 21st Century Knowledge and Skills in Teacher Preparation: An Exploratory Study

POSTER PRESENTATIONS

Case studies and various TVET practices are some times better presented through posters which become attractive spot of the conference. Many national and International delegates put posters to make presentations of their studies and practices. Five posters were presented under the following topics:

1. **Ms. Miriam J. Carter**, Director, OP Jindal Community College, Knowledge Park, Gharghoda Road, Punjipathra, Raigarh, Chhattisgarh, India

   Title : Funding to Technical and Vocational Education and Training

2. **Ms. Miriam J. Carter**, Director, OP Jindal Community College, Knowledge Park, Gharghoda Road, Punjipathra, Raigarh, Chhattisgarh, India

   Title : Quality Concerns in Technical and Vocational Education and Training - Industry Engagement in Training and Assessment

3. **Mr. Javed Azad Khan**, Product Manager, SV EduSports Pvt. Ltd., Bangalore, Karnatka

   Title : Physical Education and Sports

4. **Dr. Pinki Khanna**, Associate Professor, Department of Home Science and Hospitality Management, PSSCIVE, Bhopal

   Title : Gender Issues in Home Science Vocational Education in India

5. **Dr. M. Yasin**, Principal Scientist, Department of Plant Breeding & Genetics, RAK College of Agriculture, Sehore, Madhya Pradesh

   Title : Skilled Manpower for Seed Industry: Skilling India Initiative

EXHIBITION OF PSSCIVE PUBLICATIONS

The PSSCIVE being a premier institute in India, has the pride of developing various types of material for the furtherance of vocational education in the country. A total of about 300-400 publications including curricula, books, guidelines, pre-vocational modules, Question banks, etc. on vocational education have been published by the Institute. The materials include guidelines which help in the implementation of vocational programme, curricula and teaching-learning material helpful in education and in imparting quality teaching for skill development throughout the Country. The exhibition of all these publications helps in the dissemination of the information to the stakeholders, if they wish to seek support from the PSSCIVE. Many of these publications were appreciated and demanded by the delegates.

The exhibition included following material:

1. Competency based curricula of 2 years Vocational Courses and Instructional material in six areas viz., Agriculture and Animal Husbandry, Business & Commerce, Engineering & Technology, Health and Paramedical, Home Science and Hospitality Management, Humanities Science and Others.
2. Competency based modular curricula in different vocational area
3. Pre-vocational modules
4. Guidelines for Vocational Survey, On-the-Job Training (OJT), Production-cum-Training Centre (PTC), School-Industry Linkages (SIL), Apprenticeship Training (AT), etc.
5. Question Banks for various Vocational Courses.
6. Compendium of occupation based vocational modules for persons with mental retardation.
7. Compendium of projects for setting up enterprises in agriculture.
8. Curricula and Instructional Material on various sector and courses under NSQF viz. IT&ITes, Automobile Service Technician, Retail Marketing Management, Private Security Services, Health Care, Agriculture, Horticulture, Apperel Made-ups and Home Furnishing, Tourism and Travel, Banking and Financial Services, etc.

CULTURAL EVENING

Entertainment is considered to be an important part of the conferences to feel fresh after heavy sessions of academic discourses. Hence, a cultural evening was organized in which family members of PSSCIVE, RIE and DPS students show cased their talent. The event included solo dance, songs and group dances of old and new Bollywood movies depicting Indian Culture. Events and name of participants included:

- ***Saraswati Vandana*** : Ms. Nandana and ***Devi Stuti*** : Ms. Ananya Sorte, Students of Regional Institute of Education, Shyamla Hills, Bhopal
- ***Group Dance*** : Students of Regional Institute of Education, Shyamla Hills, Bhopal
- **Solo Songs:** Mrs. Manisha Katolkar, Mr. Akshay Dwivedi (President Awardee for Hindustani Classical Vocal Music 2014), Mr. Chirag Wallace, and Ms. Saipriya Iyer.
- ***Stage Management and Anchoring*** : Ms. Sumaira Yasin and Mr. Aditya Shahri, DPS, Bhopal

BHOPAL DARSHAN

To give a glimpse of Bhopal, delegates were taken for Bhopal Darshan (Site seeing) to Lake View, Raja Bhoj Statue at VIP Road, and Tribal Museum, Govt. of Madhya Pradesh. Delegates also visited the PSSCIVE Campus at Shyamla Hills.

VALEDICTORY FUNCTION

The Joint Director, Prof. R. B. Shivagunde, in his presidential address extended warm welcome to the Chief Guest Prof. P. K. Verma, Director General, M.P. Council of Science & Technology, Govt. of M.P. He appreciated kind gesture of Prof. Verma to support the organization of the conference at MPCST. Prof. Shivagunde shared his experiences of the conference. He said that it was remarkable to see that during all three days all delegates were present during the technical sessions. This enthusiasm led to rich academic output of the conference, enabling us to achieve one of the chief objectives of organizing the conference. The eminent speakers and experts also contributed to the best of their time and effort during the conference. He said that the recommendations of different sessions and themes will be suitably used for strengthening VET in our country as vision 2025. Prof. Shivagunde hoped for similar guidance and cooperation by the experts and the delegates in future. In the end he extended thanks to all the experts, delegates and MPCST in special for making the conference so successful.

The organising secretary Prof. Asfa M. Yasin, Head Centre for International Relationship, gave detailed report of three days activities during the conference. In her presentation, she apprised the house with the recommendations emerged during different technical sessions and hoped that recommendations will give new direction to TVET specially in enhancing its access to large and varied sections of the society,

not only in India but will benefit in chalking out plans for strengthening TVET in participating countries.

She made special mention of Poster presentations in which very interesting vocational education practices were show cased.

Prof. Asfa Yasin felt over whelmed over the praise of publications of PSSCIVE displayed in the exhibition. She made a special mention of curricula developed by the Institute for various economic sectors under NSQF mandated by MHRD, Govt. of India as nodal organization. She extended gratefulness to all the delegates for their appreciation and active participation in the conference.

A total of 72 presentations were made under seven themes of the conference. The national delegates, who presented papers and participated in the conference from Karnataka, New Delhi, Madhya Pradesh, Maharashtra, Rajasthan, Uttar Pradesh, Uttarakhand, Kerala, Gujarat, Tamilnadu, Chhattisgarh, Telangana, West Bengal, and Haryana states and the international delegates were from 12 countries viz., Germany, Nigeria, Nepal, Philippines, Namibia, Fiji, Bangladesh, Indonesia, Sri Lanka, Newzealand, South Africa, and USA.

As per schedule, delegates were taken for 'Bhopal Darshan' to selected spots in view of time constraint. The spots included PSSCIVE Campus, Raja Bhoj Statue on VIP Road, Tribal Museum and Lake view (Boat Club). Prof. Asfa expressed her thankfulness to delegates for their praise for the PSSCIVE building, Tribal Museum and opportunities provided of site seeing. Delegates enjoyed the moments and they captured memories of these spots for ever in their cameras to keep these moments green and fresh.

Prof. Asfa gave a brief account of technical sessions comprised of keynote addresses and invited lectures and oral presentations made by distinguished delegates. In reference to technical sessions, she highlighted important issues and themes covered in the deliberations viz., (i) Challenges to TVET; (ii) Funding to TVET; (iii) National Skills Qualifications Framework (NSQF); (iv) Quality Concerns in TVET; (v) Delivery Systems in TVET; (vi) Research in TVET; and (vii) Open Vocational Education System and Delivery.

She also made a mention of cultural evening which was organized by PSSCIVE family members and RIE students. The events included dance, and solo songs, and very much appreciated by the delegates. She ended her presentation with a note of satisfaction about the success of the conference.

RECOMMENDATIONS

1. Pre-vocational education which plays a significant role at the secondary stage should be an integral part of the education system. It will broadly equip children to tackle life challenges and make a career choice.
2. TVET research needs to identify and evaluate the impacts of training, assessment and outcomes in terms of access, equity, social cohesion and social inclusion.
3. Research needs to take more dynamic view of the qualitative aspects of TVET.
4. The National Skills Qualification Framework (NSQF) requires coordinated linkages across educational sectors to ensure that all qualifications in the country are valued and consistent.
5. One of the emerging trends in skill development is the steps taken to align courses with the skill needs of employers and individual learning needs.
6. TVET's role in promoting education for sustainable development is being

recognized worldwide and therefore, it should serve as a tool for imparting training in green technology.

7. Curriculum reforms are being undertaken to develop generic and vocational competencies attuned to the needs of the labour market and to provide seamless transition from school-to-work. We need to ensure that the higher education needs are also being served and the courses offered at school level are aligned with those offered in higher education institutions.
8. The enrolment trend in TVET in the past few years indicates that students have realized the importance of skill development and the social status of TVET is elevated. Efforts are needed to ensure greater enrolment of girls/women and disadvantage or marginalized groups especially persons with different abilities.
9. Open education resources/ massive open online courses are gaining ground in skill development landscape but needs to be supplemented with hands-on-training.
10. Science, Technology and Innovation is driving the TVET system, therefore, institutions which could provide innovative ideas though research and development should be promoted by countries.
11. Higher institutions of learning are engaging themselves in skill development activities, but a systematic and structured approached is needed to realize the objectives of skilling people at higher education levels.
12. Laboratories and workshop in TVET institutions should be equipped with modern equipment and technology to provide training state-of-the-art technology.
13. Research in TVET should be conducted under a National Research Framework and it should focus on identified priority in TVET.
14. A National Research Network on TVET in India which should liason with National Network of other countries such as Australia, Germany, France and also with International Network such as VETNET.
15. Lead Research Institutions should be identified which should facilitate Research being done by Research Scholars and Teachers at the State and District Level.

CONFERENCE HIGHLIGHTS IN THE WORDS OF DELEGATES

1. **Dr. Madhu Singh, Germany**

   Dr. Madhu Singh said about conference as very good organisational efforts and very relaxing. It was very comprehensive, enriching and everyone benefitted from it. Things were discussed at the policy level, institutional level and at the level of teaching-learning. She suggested that one way of carrying forward this efforts made here is to make a community of practitioners, i.e. set-up groups on themes and carry forward these themes into activities and action areas.

   Recognizing the country's enormous talent she said it is only possible through skill development through TVET and enhancing the quality of teacher education. While emphasizing the research, Dr. Madhu Singh said TVET is becoming a major area of research and we should work towards strengthening this, i.e. identifying priority area and encourage different institutions to do joint research at the level of stakeholders, regional and sub-regional level. We should take TVET out of its status of stigmatisation. She ended with a note of happiness of attending the conference.

2. **Ms. Miriam J. Carter, Chhattishgarh, India**

   Ms. Miriam J. Carter very enthusiastically shared her experience of attending the

conference. She said that she got a chance to meet TVET practitioners from across the globe, this enabled her to get rich experiences. She said, "We will carry forward the relationship and the research". She said that with presence of so many delegates from different countries has led to have international focus on TVET. It is amazing initiative which has put India on the map as being the engine of development. She said, "We need a voice for the same in developing countries and this conference has provided that voice. TVET is an urgency in Africa and an urgency globally". She said, "Too much was done in 3 days here but we need to take our own individual initiative. We got to witness a variable kind of research and PSSCIVE can play the role of articulating the research standards and teaching those particularly to young researchers. We need to extend ourselves from stakeholders to local leaders and *Mukhiyas* until we promote a comprehensive approach". In reference to the furtherance and linking TVET to higher level, she said, "Higher education must be respected".

3. **Shri K. K. Agnihotri, Haryana, India**

Shri Agnihotri began his praise with a remarkable statement "Its GOOD MORNING, because the synthesis between east with west has happened". He said a lot of awakening has happened and a new beginning has dawned because of which the entire hall reverberated. The afternoons were never calm but the mornings still managed to be fresh and zealous. All this builds the best memories of this extraordinaire conference. These memories have transformed into a fragrance that we shall carry with us just like the manifestations of the unseen supreme power calling Prof. Shivagunde, the architect. He further appreciated the unconditional support and tireless efforts of every single faculty and staff, which shall be unforgettable. He went on to praise Prof. Asfa for her excellent administration skills and management knack. He talked about the thought process that was continuously ON during the conference and so many new strategies for learning came up.

4. **Dr. Tina Nweze, Nigeria**

Dr. Tina Nweze from Nigeria while expressing happiness by locomotive applaud involving the house, remarked that she visited India for the first time. She said that she is taking positive image of India. She loved its hospitality and warmth. In the context of conference, she mentioned that it was very well organized, however time for presentations was little less, but everyone got the opportunity for presentation. It was wonderful!

5. **A B M Khorshed Alam, Bangladesh**

Honorable Chair of the session, respected panel and learned audience, Good afternoon. We, the Bangladesh TVET team are very much delighted to be here, in the lake city of Bhopal, the capital of MadhyaPradesh. I became very much nostalgic when I got the invitation because it is the land of my forefathers who used to live in this soil. When I landed here I felt that I have come to home. I don't know whether the village where my forefathers lived still exists or not but my feeling is that I discover my origin. Thanks the organizer to give me the opportunity to come here.

We always remember the help and assistance of Indian people during our war of liberation. We are working together not only for our mutual benefit but at the

same time we are contributing on world peace and prosperity. This international conference makes another avenue of cooperation, co-operation in the field of technical and vocational education and training.

TVET is an important area for skilling our people. In this respect India is clearly ahead of us and we are amazed to see the research initiatives of Indian TVET thinker, their research finding will help us a lot.

I am dreaming, a day will come when Indian people will visit Bangladesh by wearing Bangladeshi cloths and we will visit India by riding a car Make in India. Our mutual co-operation will help our people to live with dignity and prosperity.

Finally, I like to thank the organizer for their warm hospitality. Special thanks to Prof. Shivagunde and Prof. Asfa Yasin for their excellent work and the whole team who worked behind.

6. Mr. Alexander Gbenga Ogundele, Ilorin, Kwara State, Nigeria

I want to appreciate the wonderful reception accorded to those of us from abroad. Indian people are very wonderful and kind. I noticed this right from the airport to the conference/accommodation venues inclusion the taxi in the town. Secondly, the conference was timely with respect to the present challenges of TVET across the globe. Thirdly, from my research point of view presented at the conference, more women should be encouraged in picking a career in TVET programs here in India and other countries including Nigeria.

Finally, I also want to acknowledge and appreciate the wonderful input of Prof. Asfa Yasin toward the conference. She is a wonderful woman who has been able to pull us down to India and toward the great success of the TVET conference. I Hope that all our contributions will go a long way. Looking forward towards another good time like this. Thank you all

RELEASE OF PSSCIVE PUBLICATIONS

The PSSCIVE is an apex Research & Development organization in the country, in furtherance to this a large number of curricula have been developed for classes IX to XII (under NSQF Level 1-4) in various sectors of economy. The occasion of International Conference was considered as appropriate occasion for release of new curricula for NSQF. The Chief Guest Prof. P. K. Verma released these curricula in the presence of Prof. R. B. Shivagunde and concerned Coordinators of the curricula. The curricula released were; Retail Marketing Management, Health Care, Horticulture, Apperel Made-ups and Home Furnishing, Tourism and Travel, Banking and Financial Services, Private Security Services, and Automobile Service Technician. Congratulation were showered upon by the delegates and guests present.

ADDRESS BY THE CHIEF GUEST

After the report of the conference and feedbacks given by the delegates, Prof. P. K. Verma, DG, MPCST as chief guest of the valedictory function addressed the august gathering. He congratulated the PSSCIVE for organizing the International Conference with grand success and good participation. Prof. Verma mentioned that India is rich in its diversity for languages, cultural and multi dimensional attributes and areas of

economy from traditional to modern occupations and job markets. It is therefore necessary that model of education should also be indigenous to supply matching skills. He further linked this aspect to PM's 'Make in India' concept. In this reference, Prof. P. K. Verma, said that there is need for comprehensive understanding of this concept, as it is not only a slogan, but it envisages core developmental activities in it. He pointed out that this is the right time for development of India and establishing itself on the world portal. We can become number one country but there is a need that we should all become the part of 'Make in India' campaigne announced by our Hon'ble Prime Minister.

He said that we have senior citizens as wealth of rich experiences, we must make use of these. We must make innovations in the area of technical and vocational education for carving out our vision 2025, so that we don't have to follow others and avoid mismatches.

THANKS GIVING

Prof. Asfa M. Yasin, Orgnising secretary of the Conference placed on record gratitude to all the invited guests for gracing the occasion of inaugural and valedictory function as chief guests, guests of honor and experts for chairing and presiding over the sessions. She extended sincere thanks to Hon'ble Minister of School and Higher Education, Govt. of Madhya Pradesh Shri Deepak Joshi, for joining the conference as chief guest, Shri Alok Sanjar, Member of Parliament from Madhya Pradesh, for his presence as guest of Honor and blessings for the conference. Prof. B. K. Tripathi, Director, NCERT for his valuable support and chairing the inaugural session and Prof. R. B. Shivagunde for his continuous guidance and support, who presided over both the functions. Prof. Yasin, with great appreciation for the kind support, thanked Prof. P. K. Verma, Director General, MPCST, during his gracious presence as Chief Guest in the valedictory function for providing venue and all possible support for the conference.

Presence of eminent experts of TVET from India and abroad was gratefully acknowledged, thanks and appreciation for their valuable contribution as keynote and invited speakers was placed on record by Prof. Yasin.

Thanks were extended for the keynote addresses to Prof. Mathias Pilz, Director, German Research Center for Comparative Vocational Education and Training Cologne, Germany; Prof. Santosh Mehrotra, Professor, Centre for Informal Sector & Labour Studies School of Social Sciences, Jawaharlal Nehru University, New Delhi; Mr. Paul Comyn, Specialist on Vocational Training & Skills Development, ILO DWT for South Asia and Country Office for India (DWT/CO-New Delhi), New Delhi, India; Dr. Madhu Singh, Senior Programme Specialist, UNESCO Institute of Lifelong Learning, Hamburg, Germany; Ms. Belinda Smith, Senior QA Specialist, India EU Skills for Inclusive Growth, New Delhi, India; and Dr. Kuldeep Agarwal, Director (Academic), National Institute of Open Schooling (NIOS), Noida, Uttar Pradesh, India

Prof. Yasin also acknowledged the contribution of experts from different international and national organizations,for sharing rich experiences through invited lectures. She thanked Mr. Alisher Umarov, Chief of Education, UNESCO Office, New Delhi, India; Dr. I. C. Awasthi, Professor of Economics, Giri Institute of Development Studies, Lucknow, Uttar Pradesh; Mr. Jaikant Singh, Head – Program Development, National Skill Development Corporation (NSDC), New Delhi; Prof. M Sen Gupta, Director, KIIT College of Education, Gurgaon, Haryana; Prof. A. P. Verma, Retired former Professor, PSSCIVE from New Delhi; Prof. C. B. Singh, Former Dean, College of

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The over whelming support and active participation of delegates was the key for the success of the conference. The pain taken by them to come from across the world and different States of India, for this gesture, Prof. Yasin said that she is at a loss for words to express her gratitude and thanks to all the lovely delegates.

She thanked other organizations which extended their kind support in the successful organization of conference, these included MPCST, UNESCO, NITTTR, RIE Bhopal.

She thanked all the members of Advisory Board and Academic committee of the conference for review of abstracts and guidance. Efforts of PSSCIVE team were also appreciated and acknowledged, who undertook various tasks and responsibilities of different committees formed for making various arrangements during the conference. Prof. Yasin acknowledged the academic support extended by the Joint Director, Prof. R. B. Shivagunde as chairperson and all faculty members of PSSCIVE for conducting technical sessions as co-chairpersons and rapporteurs. She expressed thanks to Prof. H. K. Senapaty for providing accommodation and support in the organization of cultural evening by RIE students under guidance of Dr. Chitra Singh, Associate Professor, RIE, Bhopal.

Support of media such as Akashwani, Bhopal, ETV, Zee TV, Pradesh Today for coverage of proceedings of the International Conference was also acknowledged by the organizing secretary. All the participants of the cultural evening were also appreciated for entertaining the delegates.

She also expressed thanks and acknowledged the cooperation and patience of Gupta Graphics, Logix System and Aditya Printers, Bhopal for printing of abstract book, programme book and other materials of the conference.

In the end, she acknowledged contribution and help of the staff of MPCST and the PSSCIVE for their hard work and their active role from behind the curtain.

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178	Mr. Siddharth Chaturvedi AISECT, Bhopal

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ACKNOWLEDGEMENT

Annexure-2

The credit goes to all those who made this Conference, a gala event. With gratitude, their names are given below :

- **Prof. B. K. Tripathi**, Director, NCERT, New Delhi for valuable guidance and support.
- **Prof. P. K. Verma**, Director General, MPCST, Govt. of Madhya Pradesh for collaboration in the organization of the conference
- **Mr. Shigeru Aoyagi, Director**, UNESCO, Delhi office, New Delhi for providing technical support
- **Prof. R. B. Shivagunde**, Joint Director, PSSCIVE, Bhopal, for valuable guidance and all time support.
- **Prof. H. K. Senapathy**, Principal, Regional Institute of Education, Bhopal, for providing accommodation facility.

Acknowledgement for providing support for venue facility and other on spot arrangements:

- **Prof. Tasneem Habib**, Principal Scientist, MPCST, Govt. of Madhya Pradesh, Bhopal
- **Dr. P. Tamot, Professor**, MVM College, Bhopal
- **Prof. M. Yasin**, Principal Scientist, R.A.K. College of Agriculture, Sehore

Thanks is extended to speakers of the conference: Keynote addresses & Invited lectures:

Keynote Addresses:

- **Prof. Matthias Pilz**, Director, German Research Center for Comparative Vocational Education and Training Cologne, Germany
- **Prof. Santosh Mehrotra**, Professor, Centre for Informal Sector & Labour Studies School of Social Sciences, Jawaharlal Nehru University, New Delhi, India
- **Mr. Paul Comyn**, Specialist on Vocational Training & Skills Development, ILO DWT for South Asia and Country Office for India (DWT/CO-New Delhi), New Delhi, India
- **Mrs. Belinda Smith,** Senior QA Specialist, India EU Skills For Inclusive Growth, New Delhi, India
- **Dr. Madhu Singh**, Senior Programme Specialist, UNESCO Institute of Lifelong Learning, Hamburg, Germany
- **Dr. Kuldeep Agarwal**, Director (Academic), National Institute of Open Schooling (NIOS), Noida, Uttar Pradesh, India

Chairpersons :

- **Prof. S. Z. Haider**, Former Joint Director, PSSCIVE, Bhopal
- **Shri G. Guru**, Former Faculty Member, PSSCIVE, Bhopal

Invited Lectures :

- **Mr. Alisher Umarov**, Chief of Education, UNESCO Office, New Delhi, India
- **Dr. I. C. Awasthi**, Professor of Economics, Giri Institute of Development Studies, Lucknow
- **Prof. M Sen Gupta**, Director, KIIT College of Education, Gurgaon, Haryana, India
- **Prof. A. P. Verma**, New Delhi, Former Professor, PSSCIVE
- **Prof. C. B. Singh**, Former Dean, College of Agriculture, Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur, Madha Pradesh, India
- **Prof. Poonam Agrawal**, Head, Department of International Relations, NCERT, New Delhi, India
- **Dr. Ankuran Dutta**, Programme Officer (L&H), Commonwealth Educational Media Centre for Asia (CEMCA), New Delhi, India
- **Mr. Deepak Mehrotra**, Marketing Manager (India), Labtech International, Noida, Uttar Pradesh
- **Ms. Klaudia Kashyap and Mr. Avinash Kashyap**, Symbiosis, Indore, Madhya Pradesh.
- **Shri K.K. Agnihotri,** Addditional Director, National Skills Qualifications Framework (NSQF) Cell, Directorate Secondary Education, Panchkula, Haryana, India.

Genuine appreciation and thanks to all the National and International delegates for their active participation in the conference.

Thanks to **Prof. Mridula Saxena**, Head, Dept. of Home Science & Hospitality Management, and **Prof. V. S. Mehrotra**, Head, CDEC & NSQF Cell, PSSCIVE, Bhopal, for conducting the programme and technical sessions in a very systematic manner.

Thanks for systematic conduct of **technical sessions** and undertaking responsibilities of different **committees** as:

Co-Chairperson and Co-Ordinators :

Prof. P. V. P. Rao
Prof. R. K. Shukla
Prof. Asfa M. Yasin
Prof. V. S. Mehrotra
Prof. Mridula Saxena
Prof. Suniti Sanwal
Prof. R. K. Pathak
Prof. Saurabh Prakash

Rapporteurs :

Dr. Kuldeep Singh
Dr. Pinki Khanna
Dr. P. Veeraiah
Dr. Udal Singh
Dr. V. A. Joshi
Dr. Deepa C.
Shri Tribodh Tripathi
Ms. Geeta Tomar
Dr. V. K. Jain
Dr. Abhijit Nayak
Shri Deepak Shudhalwar
Col. Mahendra Singh
Dr. K. C. Bhardwaj
Dr. Ashish Ghosh
Ms. Vaishnavi Tiwari

Computer Assistance during technical sessions :

Shri Vinod Soni
Shri Durgesh Satankar
Shri Akhilesh Kashiv
Mrs. Sangita Sorte
Mrs. Manisha Katolkar
Mr. Sourabh Kulpariya
Shri J. M. Wallace
Shri Jeevan Koli
Shri Ganesh Iyer
Mrs. Sunita Koli
Ms Tina Panthi

Acknowledgement for undertaking responsibilities of different committees :

Dr. D. C. Patnaik
Shri Vijay Kumar
Shri Anil Hirao
Shri Vijay Vyas
Shri S.M. Chaturvedi
Shri Vinod Kumar
Mrs. Mamta Shrivastava
Shri Bhola Prasad
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Shri Amit Sahu
Ms. Kirti
Shri Meet
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Shri Rajesh
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Shri Praveen Katolkar
Shri Chalapati Rao
Mrs. Rajni Balwani
Mrs. Mamta Varshney
Ms. Aparna Vyas
Mr. Shyam Basu
Shri Jagdish P. Gautam
Shri Gaur Sunder Nath
Shri Piyush Singh
Shri Upwan Shrivastava
Shri Vinod Namdeo
Shri Subhodh
Shri Kamlesh

Acknowledgement for providing accommodation in the guest houses:

- Madhya Pradesh Council of Science and Technology, Bhopal
- Regional Institute of Education, Bhopal
- NITTTR, Bhopal

Thanks for the organization of cultural evening

Cultural programme Advisor & Direction : Dr. Chitra Singh, Assistant Professor, Regional Institute of Education (RIE), Bhopal

Cultural Event Management and Anchoring : Ms. Sumaira Yasin and Mr. Aditya Shahri, DPS, Bhopal.

Saraswati Vandana - Ms. Nandana, RIE, Bhopal

Devi Stuti - Ms. Ananya Sorte

Group Dances - RIE, Students

Solo Songs:
- Mrs. Manisha Katolkar
- Mr. Akshay Dwivedi (President Awardee for Hindustani Classical Vocal Music 2014)
- Mr. Chirag Wallace
- Ms. Saipriya Iyer

Thanks is extended for writing of certificates:

- Mrs. Manisha Katolkar, PSSCIVE
- Ms. Soobi Mirza, Broadcasting Academy, Bhopal
- Dr. Priyanka Joshi, RAK, College of Agriculture, Sehore

Acknowledgement for providing support in arrangement of venue and other on spot arrangements:

All volunteers from MVM College, Bhopal
Auditorium and Conference Hall management, Staff of MPCST, Bhopal

Thanks for Music, photography and media coverage :

- Shri. Kishan Ji, Shri Manish Jhavak, ETV, Zee TV and Akashwani Bhopal,

COMMITTEES FOR INTERNATIONAL CONFERENCE

Annexure-3

1. Reception & Registration, Committee:

1. Prof. Suniti Sanwal : Coordinator
2. Prof. P. V. Rao
3. Dr. Udal Singh
4. Dr. Deepa C
5. Shri Vijay Kumar
6. Shri Akhilesh Kashiv
7. Shri Thaman Singh
8. Mrs. Manisha Katolkar
9. Shri Saurabh Kulpariya

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1. Prof. R. K. Pathak: Coordinator
2. Dr. P. Veeraiah
3. Shri Jeevan Koli
4. Shri J M Wallace
5. Shri Upwan Shrivastava
6. Shri Jagdish P. Gautam
7. Shri Gaur Sunder Nath

3. Venue Arrangement Committee:

1. Prof. Mridula Saxena : Coordinator
2. Dr. A. Nayak
3. Shri Ganesh Iyer
4. Shri Durgesh Satankar
5. Smt. Sangeeta Sortey
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7. Ms. Geeta

4. Publicity and Printing Committee:

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2. Prof. Asfa M. Yasin
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4. Shri Mahesh Assudani
5. Shri A.M. Vinod Kumar
6. Shri Vijay Vyas
7. Smt. Sunita Koli
8. Ku. Tina Panthi
9. Shri Piyush Singh

5. Transport Committee:

1. Dr. Kuldeep Singh : Coordinator
2. Shri Anil Hirayo
3. Shri Bhola Prasad
4. Shri Tribodh

5. Shri Meet
6. Shri Vijay Katole
7. Shri Babu Lal

6. Refreshment Committee:

1. Shri Deepak Shudhalwar: Coordinator
2. Shri K. C. Bhardwaj
3. Shri Mahesh Assudani
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6. Ms. Vaishnavi

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2. Prof. Suniti Sanwal
3. Prof. Asfa M. Yasin
4. Prof. Saurabh Prakash
5. Dr. V. K. Jain
6. Col. Dr. Mahindra Singh
7. Shri Vinod K. Soni
8. Ku. Tina Panthi

10. Purchase Committee:

I. Shri Mahesh Assudani: Coordinator
II. Prof. Asfa M. Yasin
III. Dr. D. C. Patnaik
IV. Shri Vijay Vyas
V. Shri Praveen Katolkar
VI. Shri Chalapati Rao
VII. Shri Bhola Prasad

11. **Tent Arrangement Committee:**

1. Dr. P. Veeraiah: Coordinator
2. Shri A M Vinod Kumar
3. Shri Vinod K. Soni
4. Shri Subhodh Kumar

PROGRAMME SCHEDULE

Annexure-4

PSS CENTRAL INSTITUTE OF VOCATIONAL EDUCATION
Shyamla Hills, Bhopal, Madhya Pradesh, India

International Conference on "Emerging Trends in TVET - Vision 2025"
18-20 February, 2015

PROGRAMME SCHEDULE

Wednesday, 18 February, 2015

09:00 - 10:00 **Registration (Venue : Registration Desk, MPCST Auditorium)**

Inaugural Session **Venue: MPCST Auditorium**

10:00 - 10:05	Lighting of Lamp & Floral Welcome
10:05 - 10:10	*Saraswati Vandana*
10:10 - 10:25	Welcome Address by Prof. R. B. Shivagunde, Joint Director, PSSCIVE, Bhopal
10:25 - 10:35	About the Conference by Prof. Asfa M. Yasin, Organizing Secretary
10:35 - 10:50	Chairperson Address by Prof. B. K. Tripathi, Director, NCERT, New Delhi
10:50 - 11:00	Guest of Honour Address by Shri Alok Sanjar, Hon'ble Member of Parliament,
11:00 - 11.15	Chief Guest Address by Hon'ble Shri Deepak K. Joshi, Minister of State for School and Higher Education, Govt. of M. P.
11:15 - 11:20	Presentation of Mementos
11:20 - 11.30	Vote of Thanks by Prof. Asfa M. Yasin, Organizing Secretary

11:30 - 12:00 High Tea

Wednesday, 18 February, 2015
Technical Session : TVET Dimensions - Global Scenario
Keynote Addresses and Invited Lectures

12:00 to 12:15	**Prof. Matthias Pilz**, Director, German Research Center for Comparative Vocational Education and Training Cologne, Germany	Keynote Address on Theme 1. Title: Global Scenario of TVET: the Role of Pre-Vocational Education
12:15 to 12:30	**Mr. Alisher Umarov**, Chief of Education, UNESCO Office, New Delhi, India	Invited Lecture on Theme 1. Title: Emerging Trends in TVET: Vision 2025
12:30 to 12:45	**Mr. Dilip Chenoy**, Chief Executive Officer, National Skill Development Corporation (NSDC), New Delhi, India	Keynote Address on Theme 2. Title: Funding to TVET.
12:45 to 13:00	**Dr. I. C. Awasthi**, Professor of Economics, Giri Institute of Development Studies, Lucknow	Invited Lecture on Theme 2. Title: The Development Programmes: A Disconnect for Evaluation Framework
13:00 to 13:15	**Ms. Meghali Prabhakar**, Consultant - Standards and QA, National Skill Development Corporation (NSDC), New Delhi, India	Invited Lecture on Theme 2.

Rapporteurs : *Dr. Abhijit Nayak and Dr. Deepa C.*
Computer Assistance : *Mrs. Manisha Katolkar*

13:15 - 14:00 Lunch Break

14:00 to 14:15	**Prof. Santosh Mehrotra**, Professor, Centre for Informal Sector & Labour Studies School of Social Sciences, Jawaharlal Nehru University, New Delhi, India	Keynote Address on Theme 3. National Skills Qualifications Framework
14:15 to 14:30	**Dr. Rajat Khawas,** Head of Services Business, Manipal City & Guilds Pvt. Ltd., New Delhi, India	Invited Lecture on Theme 3. Title: Portability of Skills and Equivalence of Qualification Framework
14:30 to 14:45	**Mr. Paul Comyn**, Specialist on Vocational Training & Skills Development, ILO DWT for South Asia and Country Office for India (DWT/CO-New Delhi), New Delhi, India	Keynote Address on Theme 4. Quality Concerns in TVET Title: Measuring Quality and Relevance in Skills Systems
14:45 to 15:00	**Prof. M Sen Gupta**, Director, KIIT College of Education, Gurgaon, Haryana, India	Invited Lecture on Theme 4. Title: Acquiring Skills for Enhanced Employability.
15:00 to 15:15	**Mrs. Belinda Smith**, Senior QA Specialist, India EU Skills for Inclusive Growth, New Delhi	Keynote Address on Theme 5. Title: Quality Assurance for Building Robust Qualifications.
15:15 to 15:30	**Prof. A. P. Verma,** Professor (Retd.), B-2/13, Vasant Vihar, Ground Floor, New Delhi	Invited Lecture on Theme 5. Title: Concept of Basic Competencies - An Emerging Aspect
15:30 to 15:45	**Prof. C. B. Singh**, Former Dean, College of Agriculture, Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur, Madha Pradesh, India	Invited Lecture on Theme 5. Title: Strategies to Transform Unorganized Sector to as Organized Sector through Vocational Education and Training.
Rapporteurs : *Dr. P. Veeraiah and Dr. V. A. Joshi* Computer Assistance: *Mr. Ganesh Iyer*		

15:45 - 16:15 Tea Break & Poster Presentations

16:15 to 16:30	**Dr. Madhu Singh**, Senior Programme Specialist, UNESCO Institute of Lifelong Learning, Hamburg, Germany	Keynote Address on Theme 6. Title: How can Research in TVET Serve as a Tool and an Agent of Change?
16:30 to 16:45	**Prof. Poonam Agrawal**, Head, Department of International Relations, NCERT, New Delhi, India	Invited Lecture on Theme 6. Title: TVET Research: Some Issues and Suggestions
16:45 to 17:00	**Dr. Gopal Krishna,** *Dean, Central Institute of Fisheries Education (CIFE), Versova, Mumbai India*	Invited Lecture on Theme 6. Title: TVET for Skilled Manpower required for Fisheries Sector
17:00 to 17:15	**Dr. Kuldeep Agarwal**, Director (Academic), National Institute of Open Schooling (NIOS), Noida, Uttar Pradesh, India	Keynote Address on Theme 7. Open Vocational Education System and Delivery
17:15 to 17:30	**Dr. Ankuran Dutta**, Programme Officer (L&H), Commonwealth Educational Media Centre for Asia (CEMCA), New Delhi, India	Invited Lecture on Theme 7. Title: Technical Vocational Skill Development through Open and Distance Learning in India.
17:30 to 17:45	**Mr. Deepak Mehrotra**, Marketing Manager (India), Labtech International, Noida, Uttar Pradesh	Invited Lecture on Theme 7. Title: Best Practices for Setting-up an Internationally Benchmarked TVET Programme
17:45 to 18:00	**Ms. Klaudia** and **Mr. Avinash** Symbiosis, Indore, Madhya Pradesh	Invited Lecture on Theme 7. Title: German Dual System of VET.
Rapporteurs : *Dr. Kuldeep Singh and Col. Dr. Mahindra Singh* Computer Assistance: *Mr. Vinod K. Soni*		

18:15 to 20:00 Cultural Programme

Saraswati Vandana : Ms. Nandana, RIE, Student, ***Devi Stuti*** : Ms. Ananya Sorte
Group Dance : RIE, Students, **Solo Songs:** Mrs. Manisha Katolkar, Mr. Akshay Dwivedi (President Awardee for Hindustani Classical Vocal Music 2014), Mr. Chirag Wallace, and Ms. Saipriya Iyer.
Stage Management and Anchoring : Ms. Sumaira Yasin and Mr. Aditya Shahri, DPS, Bhopal.

20:00 - 22:00 Director's Dinner at Shan-E-Bhopal, Hotel Lake View Ashok, Bhopal

Thursday, 19 February, 2015 **09:00 to 11:00 Hrs**

THEMATIC PARALLEL SESSIONS

Theme 1: Challenges to TVET

Venue : MPCST Auditorium
Chairperson : *Prof. R. B. Shivagunde*
Co-Chairperson: *Prof. Asfa M. Yasin*
Rapporteurs : *Dr. P. Veeraiah and Col. Dr. Mahindra Singh*
Computer Assistance : *Mr. Vinod K. Soni*

Presenters
1. Prof. Matthias Pilz
2. Ms. Rumi Sikdar
3. Dr. Suniti Sanwal
4. Mr. Y.P. Chawla
5. Mr. Hari Pada Das
6. Dr. M. K. Salooja (Prof. Saurabh Prakash)
7. Mr. Ali Idris
8. Ms. Tina Nweze
9. Dr. Anita Dubey

Theme 4: Quality Concerns in TVET

Venue : MPCST Conference Hall - 1
Chairperson : *Mr. Paul Comyn*
Co-Chairperson: *Prof. P.V.P. Rao*
Rapporteurs : *Dr. Uadal Singh and Dr. K. C. Bhardwaj*
Computer Assistance : *Mr. Jeevan B. Koli*

Presenters
1. Dr. S. K. Mandal
2. Mr. S. L. Balmike
3. Dr. Saurabh Prakash
4. Dr. Tara Sabapathy
5. Dr. Kshama Pandey
6. Dr. Catherine U. Osuji
7. Dr. P. Veeraiah

11:00 to 11:30 Tea Break & Poster Presentations

Thursday, 19 February, 2015 **11:30 to 13:30 Hrs**

THEMATIC PARALLEL SESSIONS

Theme 1: Challenges to TVET and
Theme 2: Funding to TVET

Venue : MPCST Auditorium
Chairperson : *Prof. S. Z. Haider*
Co-Chairperson: *Prof. Suniti Sanwal*
Rapporteurs : *Dr. Pinki Khana and Dr. V. A. Joshi*
Computer Assistance : *Mrs. Sunita Koli*

Presenters
1. Dr. P. Veeraiah
2. Ms. Winda Lestari
3. Dr. Deepa S. Kumar
4. Mr. Suresh Mane
5. Mr. Ugochukwu Chinonso Okolie
6. Ms. Sumedha Tyagi
7. Mr. Isimeli Tagicakiverata
8. Mr. Mahesh Assudani

Theme 4: Quality Concerns in TVET and
Theme 5: Delivery Systems in TVET

Venue : MPCST Conference Hall - 1
Chairperson : *Shri G. Guru*
Co-Chairperson: *Prof. R. K. Shukla*
Rapporteurs : *Dr. Ashish Ghosh and Ms. Geeta Tomar*
Computer Assistance : *Mr. J. M. Wallace*

Presenters
1. Ms. Nabila Rehman
2. Mr. I. Y. Umar
3. Mr. Kadiri Shamusideen
4. Dr. Nalini Srivastava
5. Mr. Jitendra Sharma
6. Mr. Rajat Kumar Panigrahy
7. Mr. Alpheas Chipapa Shindi
8. Dr. Deepa C.

13:30 to 14:00 Lunch Break

Thursday, 19 February, 2015 **14:00 to 16:00 Hrs**

THEMATIC PARALLEL SESSIONS

Theme 3: National Skills Qualifications Framework

Venue : MPCST Auditorium
Chairperson : *Prof. R. B. Shivagunde*
Co-Chairperson: *Prof. V. S. Mehrotra*
Rapporteurs : Shri D. Shudhalwar and Ms. Vaishnavi
Computer Assistance : *Mr. Sourabh Kulpariya*

Presenters

1. Shri K. K. Agnihotri (Invited Lecture)
2. Mr. Vivek Nagpal
3. Mr. Elwood L. Prias
4. Prof. Vinay Swarup Mehrotra
5. Dr. Anita Puri Singh
6. Dr. P. Veeraiah
7. Dr. Abhijit Nayak
8. Mr. Ravindra Chandrashekhar Balapure

Theme 5: Delivery Systems in TVET

Venue : MPCST Conference Hall - 1
Chairperson : *Dr. Madhu Singh*
Co-Chairperson: *Prof. Mridula Saxena*
Rapporteurs: *Dr. Pinki Khanna and Shri V. A. Joshi*
Computer Assistance : *Mrs. Sangita Sortey*

Presenters

1. Mr. Christopher Coley
2. Ms. Srividya Sheshadri
3. Ms. Suhasini R. Mahajan
4. Mr. Shaji B.
5. Mr. Hari Prasad
6. Ms. Prerana Gautam
7. Dr. Asfa M. Yasin

16:00 to 16:15 Tea Break & Poster Presentations

16:15 to 19:30 Bhopal Darshan/Site Seeing

1. PSSCIVE Campus Visit
2. Lake View
3. Raja Bhoj Statue - VIP Road
4. Tribal Museum

Team-1 for PSSCIVE Bus

Dr. P. Veeraiah (Coordinator), Mr. Vijay Vyas, Mr. Praveen Katolkar, Mrs. Manisha Katolkar

Team-2 for Hired Bus

Dr. Uadal Singh (Coordinator), Mr. Mahesh Assudani, Mrs. Mamta Varshney, Mrs. Mamta Shrivastava

20:00 - 22:00 Dinner at Hotel Palash Residency, T T Nagar, Bhopal, Madhya Pradesh

Note: Authors of Poster Presentations are requested to be available during Tea Break.

Friday, 20 February, 2015	09:00 to 11:00 Hrs
THEMATIC PARALLEL SESSIONS	
Theme 6: Research in TVET **Venue : MPCST Auditorium** Chairperson : *Prof. I. C. Awasthi* Co-Chairperson: *Prof. Asfa M. Yasin* Rapporteurs : *Dr. V. K. Jain and Dr. Deepa C.* Computer Assistance : *Mr. Vinod K. Soni* ***Presenters*** 1. Mr. Yogesh Kulkarni 2. Dr. Shehu Abdullahi Ma'aji 3. Dr. Seema Dhawan 4. Mr. Alexander Gbenga Ogundele 5. Mr. S. J. Agbejoye 6. Mr. Nazrul Haque 7. Mr. Raymond, Emmanuel 8. Mr. D. M. Lomte	**Theme 7: Open Vocational Education System and Delivery** **Venue : MPCST Conference Hall - 1** Chairperson : *Prof. Kuldeep Agrawal* Co-Chairperson: *Prof. R. K. Pathak* Rapporteurs : *Dr. Uadal Singh and Mr. Tribodh Tripathi* Computer Assistance : *Mr. Durgesh Satankar* ***Presenters*** 1. Mr. N. B. Saxena 2. Mr. Ravi Limaye 3. Dr. Manu Pratap Singh 4. Ms. Shobhna Shrivastav 5. Dr. Rachna Agarwal 6. Mr. Rahul Chandra Kushwaha 7. Mr. Tribodh Tripathi 8. Mr. Nilkanth B. Bagujar

11:00 to 11:15 Tea Break

Friday, 20 February, 2015	11:15 to 13:00 Hrs
THEMATIC PARALLEL SESSIONS	
Theme 6: Research in TVET and Theme 7: Open Vocational Education System and Delivery **Venue : MPCST Auditorium** Chairperson: *Prof. Poonam Agrawal* Co-Chairperson: *Prof. Saurabh Prakash* Rapporteurs : *Dr. Ashish Ghosh and Mr. Tribodh Tripathi* Computer Assistance : *Mr. Akhilesh Kashiv* ***Presenters*** 1. Ugochukwu Chinonso Okolie 2. Mr. D.K. Parmar 3. Mr. Ranajeet Shanbhag 4. Mr Sanjay Kumar Pandagale 5. Dr. Hemlata Baghel 6. Mr. Hari Pada Das 7. Mr. Tutan Ahmed 8. Mr. Rajeev Krishna	**Theme 7: Open Vocational Education System and Delivery** **Venue : MPCST Conference Hall - 1** Chairperson: *Prof. A. P. Verma* Co-Chairperson: *Prof. V. S. Mehrotra* Rapporteurs : *Dr. Abhijit Nayak and Dr. Deepa C.* Computer Assistance : *Mr. Sourabh Kulpariya* ***Presenters*** 1. Ms. Bushra Hussain 2. Mrs. R. Pushpa Namdeo 3. Mr. G. Krishnaraj 4. Mr. Kunjesh Shrivastava 5. Prof. Praveen Tamot 6. Dr. Sunildatta Panjabrao Akhare 7. Dr. Usha Ajithkumar M.K.

13:00 to 14:00 Lunch Break

Valedictory Function	Venue: MPCST Auditorium
14:00 - 14:15	Floral welcome of Guests
14:15 - 14:30	Welcome Address by Prof. R. B. Shivagunde, Joint Director, PSSCIVE, Bhopal
14:30 - 15:00	Report of the Conference by Prof. Asfa M. Yasin, Organizing Secretary
15:00 - 15:15	Address by Guest of Honour - Prof. P. K. Verma, Director-General, MPCST, Bhopal
15:15 - 15:30	Address by the Chief Guest - Prof. D. P. Singh, Vice Chancellor, DAVV, Indore
15:30 - 15:45	Vote of Thanks by Prof. Asfa M. Yasin, Organizing Secretary
15:45	National Anthem

Stay Arrangements for International and National Delegates:

1. Guest House, PSS Central Institute of Vocational Education (PSSCIVE), Shyamla Hills, Bhopal
   Tel: +91-755-2704161
2. Gulmohar Guest House, Regional Institute of Education (RIE), Shyamla Hills, Bhopal
   Tel: +91-755-2522312
3. Guest House, Madhya Pradesh Council of Science & Technology (MPCST), Nehru Nagar, Bhopal
   Tel: +91-755-2433194, 08458983546, 07747823119 (M)
4. Guest House, National Institute of Technical Teachers' Training & Research (NITTTR), Shyamla Hills, Bhopal
   Tel: +91-755-2661283

CHIEF PATRON
Prof. B. K. Tripathi, Director, NCERT, New Delhi

PATRON
Prof. R. B. Shivagunde, Joint Director, PSSCIVE, Bhopal

ORGANIZING SECRETARY
Prof. Asfa M. Yasin, Head, Centre for International Relationship, PSSCIVE, Bhopal

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NCERT

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NCERT

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