

Golden Jubilee National Seminar  
On  
**Promotion of Skills and Technologies for Sustainable  
Rural Development in India**  
(31st August -1st September, 2017)

Seminar Report:

Golden Jubilee National Seminar on “**Promotion of Skills and Technologies for Sustainable Rural Development in India**” was organized from 31st August to 1st September, 2017 at NITTTTR, Chandigarh. The major objective of the seminar was to highlight the issues of Skill Development and Transfer of Technology for the sustainable rural development in India. In this national seminar, about 250 participants from various parts of the country participated. The experts and research scholars belong to polytechnics and engineering college system, universities, management institutes and from IITs. The Chief Guest of the seminar was Dr. HS Dhaliwal, Vice-Chancellor, Eternal University, Baru Sahib, Sirmour (HP). The Guest of Honour of the seminar was Sh. Hriday Nath Singh, Chief Patron, Unnat Bharat Abhiyan, GOI. The Key Note speaker during the inaugural session was Professor Raj Nehru, Vice-Chancellor, Haryana Vishwakarma Skill University, Gurugram (Haryana). Dr. HS Dhaliwal inaugurated the seminar and focused on Agriculture Development, Skill Development and development of various technologies required for the development of Indian villages. Dr. SS Pattnaik, Director of the institute welcomed the delegates and presented a viewpoint on India to adopt modern technologies in agriculture and various infrastructure development just like Israel. Dr. UN Roy, Seminar Convener, presented the basic theme for organization of seminar along with the various activities undertaken by the Department of Rural Development of NITTTTR, Chandigarh. Professor Raj Nehru highlighted the importance of vocational and skill training for the youths of rural India so that they can be given chance to go employment for self or wage-employment. Sh. Hriday Nath Singh who is looking after the Unnat Bharat Abhiyan in the country emphasized on the basic development of rural areas by organic farming and livestock rearing. He emphasized that in order to sustain the agriculture, we need to adopt natural and organic methods so that the adverse impact of the chemical based agriculture is reduced.



Welcome Address by Dr S S Pattnaik, the Director of the Institute



Seminar Theme Presentation by Seminar Convener, Dr U N Roy, Head, Department of Rural Development



Key Note Address by Dr Raj Nehru, VC Vishwakarma Skill University, Gurugram, Haryana



Address by the Chief Guest Dr H S Dhaliwal, VC Eternal University, Baru Saheb, Sirmaur, HP



Address by Guest of Honour, Shri Hriday Nath Singh. Patron, Unnat Bharat Abhiyan, New Delhi



Inauguration of Exhibition of Rural Artisans, Organic Farmers and CDTP Scheme by Polytechnics

After the inaugural session of two days Exhibition of the polytechnics running CDTP Schemes and products exhibition by self-help groups and organic farmer were also organized. About 100 rural artisans, CDTP functionaries and farmers organized two days Exhibition-cum-Rural Artisan Mela.



Participants of the Seminar



Students and Teachers from IIHS HP University, Shimla



Exhibition of CDTP running Polytechnic, Feroze Gandhi Polytechnic, Rae Bareli



Exhibition of CDTP Wing Govt Polytechnic, Nainital



Exhibition of CDTP Wing of GND Polytechnic Ludhiana with various agricultural technologies



Exhibition of the Rural Artisans by NABARD, Haryana



Organic Apple Grower from Rohru, HP



Organic Farmer from Punjab

Professor PK Sen and Professor Padma Vasuvevan from IIT, Delhi presented models of development by adopting advance technologies and important rural technologies for the development of rural areas. They emphasized on integrated and holistic models of development using renewable sources of energy, re-cycling of waste and treatment of waste water/brackish water through multi-effect distillation, utilization of renewable energy for rural industrialization.

On the second Plenary Session of 1st of September, Professor AK Jain highlighted the achievements of CDTP Schemes in the western region of the country. Professor PK Bhattacharya from NITTTR Kolkata highlighted the importance of sanitation- based technology promoted by the polytechnics system in the region of West Bengal. Professor JS Saini from NITTTR, Chandigarh highlighted the problems of economic growth in the country. Using the various data of economic growth and rate of unemployment, he tried to emphasize that we need to focus on basic of the economic development like manufacturing sector, agro-processing industries, service oriented activities and various new vocations for the creation of new job opportunities in the country.

56 papers were presented in this technical session by the delegates on various sub-themes:

- Review of Development Stremms (Strengths and Weakness)
- Agriculture and Farming
- Natural Resource Management for Sustainable Development
- National Skill Development Mission
- Renewable Energy System (Prospects and Challenges): Technologies for Sustainable Development
- Changing Land Use Pattern and Infrastructure Development.



Technical Session on Agriculture and Farming in ETV Studio



Technical Session of Skills Development Mission



Session on Organic Farming



Technical Session on Technologies of Sustainable Development

There was a special session organized on 31st September evening in the ETV Studio in which some pioneer entrepreneurs and farmers presented their success stories. Ms. Ankita Kumawat from Ajmer described that how successfully she has started dairy farming and organic farming activities in her village near Ajmer. She described the challenges taken by her after completing her MBA from IIM, Kolkata. She also highlighted that there is an increasing demand of A2 quality milk in the market and she is trying to produce A2 milk by rearing local breeds of cows from India.

Sh. Joginder Singh, young entrepreneur from Rohroo (HP) presented his success story of producing organic apple and selling it to big market in Delhi and Bangluru. Sh. Joginder Singh, at present, is able to produce about 2500 kilos of Apple in one acre using gala variety of apple from Italy. He has also used all organic methods for fertilization as well as controls of various stages on apple crops. Dr. Smriti Saraswat from IIT, Roorkee who is the young teacher working in the field of architecture highlighted how the traditional arts and creativity for exterior and interior design in housing by villagers and tribal people have become a creative and cultural industry. Ms. Subha Srishti from Livelihood Mission (Ajeevika Mission), Patna (Bihar) presented her success story related to Ajeevika Mission and its implementation in the state of Bihar. Sh. Jagat Singh Jangli who is the green Ambassador of the state of Uttarakhand presented his viewpoint for the protection of Himalayas and strategy for combating for climate change which is likely to affect everybody. He suggested that model of mixed forests may be developed in whole Himalayan states so that it can work as natural protection system for managing and controlling the temperature and adverse impact of climate change like melting of glaciers, cloud burst and flash floods

and other natural hazards. Dr. UN Roy highlighted how such initiatives can help in achieving targets towards sustainable rural development.



Special Session of Entrepreneurs and Development Agents in ETV Studio

Dr. Daria Singh Yadav was a Chief Guest of Valedictory Session and Sh. AK Bhatt was the Guest of Honour from IIHS, HP University, Shimla. Dr. UN Roy presented the report of the National Seminar and recommendations emerging from National Seminar for the development of rural India by promoting Skill Development as well as Transfer of Technology. Sh. Daria Singh Yadav, Director, Technical Education, DTE, Rajasthan highlighted the role of polytechnics and engineering colleges under the promotion of skills as well as various technologies needed further develop the rural India.



Guest of Honour of Valedictory Function, Dr A K Bhatt,  
Director IIHS, HP University, Shimla

Valedictory Address by the Chief Guest of Valedictory  
Function Dr Daria Singh, Director DTE Rajasthan

In the valedictory session, Dr. Daria Singh recommended for better skills development and transfer of technologies strategies. In the concluding remarks, Dr. PK Tuli also re-emphasized the role of skills development, and transfer of technologies for contribution in missions of national development like Digital India Mission, Startup Mission, Clean India Mission and Unnat Bharat Mission.

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