

# CURRICULUM DEVELOPMENT CENTRE

October to December, 2021



## 1. Training Programme:

### Long & Short Term Programmes:

- ME Classes of ECE/CSE students by Dr. Meenakshi Sood

## 2. Curriculum Development:

- Conducted 30 Curriculum development workshops for HSBTE, Haryana



- Submitted final NSQF Compliant Curriculum for 10 Programmes to Aarav Educational & Employment Research Organization (AEERO), Delhi.



- Conducted One Curriculum development workshops for Punjab State Board of Technical Education, Punjab.

### 3. Research & Development:

- Ph.D. guidance by Dr. Rajesh Mehra and Dr. Meenakshi Sood.

#### PUBLICATIONS

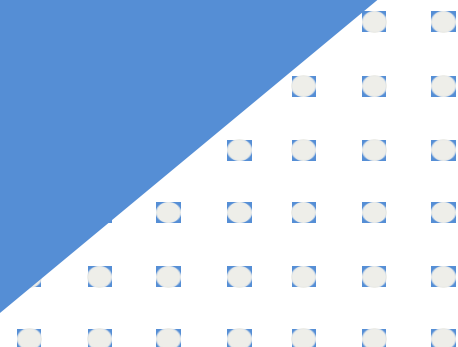
- K. Shiwani, R. Mehra, S. Malhotra and M. Sood, "Optimized Perovskite Solar Cell Design using Suitable Defects in Layers for Enhanced Efficiency," 2021 6th International Conference on Signal Processing, Computing and Control (ISPCC), PP. 550-555, October 2021, Doi: 10.1109/ISPCC53510.2021.9609485.
- Simran Malhotra, Rajesh Mehra, KM Shiwani and Meenakshi Sood, "A Comparison of several HTMs and ETMs to enhance efficiency using MASnI3 as an absorber layer", accepted in IEEE international conference ICIP-2021 (Dated November 26-28, 2021) (Scopus indexed) with paper ID 1570766485.
- Srishtee Chaudhary, Rajesh Mehra, "Perovskite solar cell using HTLs copper iodide and spiro-OMeTAD comparative analysis in terms of efficiency and resource utilization", SCI Journal of Applied Optics, Volume 61, No 1, December 2021, <https://doi.org/10.1364/AO.437702>.

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## 4. Extension & Consultancy Services:

### A. CONSULTANCY PROJECTS:

- NSQF compliant curriculum of 10 courses for Aarav Educational & Employment Research Organization (AEERO), Delhi in progress.
- NSQF compliant curriculum of 28 diploma courses for HSBTE, Haryana in progress.
- Undertaken Project of Rs. 49,04,000/- to design and development of NSQF compliant curriculum of 24 diploma level programmes from Punjab State Board of Technical Education, Punjab.

## 5. Other Activities:

### TRAINING PROGRAMMES ATTENDED BY THE DEPARTMENT FACULTY/STAFF

- Attended Programme on Quality Ecosystem through NEP-2020 on 26.10.2021 at NITTTR, Chandigarh by Dr. SK Gupta.
- Attended National Workshop Online on Curriculum Design organized by ASSOCHAM Education Council (Tamil Nadu & Kerala Chapter) and KCLAS from 29-21 October, 2021 organized by Facilitator: Dr. Shitanshu Mishra, Information Technology Officer, MGIEP, UNESCO & Former Research Scientist, IIT Bombay by Dr. Meenakshi Sood.
- Attended workshop on 'Effective Office Management and Office Procedures for Executive Secretaries, PA/PS, Stenographers & Office Staff' from 25-27 November, 2021 at Goa organized by Systematic Institute of Economic Research & Development by Ms. Ramesh Gupta, SSA.

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