

CURRICULUM DEVELOPMENT CENTRE

October to December, 2023



1. Training Programme:

Short Term Courses:

1. CAD for Outcome based Education from 10-14 October, 2023; Coordinated by Dr. Rajesh Mehra
2. Curriculum Design and Evaluation from 17-21 October, 2023; Coordinated by Dr. A.B. Gupta
3. NSQF Aligned Skill Development from 31 October – 04 November, 2023; Coordinated by Dr. Rajesh Mehra
4. Effective Curriculum Implementation from 20-24 November, 2023; Coordinated by Dr. A.B. Gupta
5. Curriculum Design for Developing Job related Competencies from 04-08 December, 2023; coordinated by Dr. Meenakshi Sood.

The screenshot shows a Zoom meeting interface. The main content is a presentation slide titled "QUALITIES OF AN EFFECTIVE TEACHER". The slide contains a table with three columns: TASK, RELATION, and VALUES. The content of the table is as follows:

<u>TASK</u>	<u>RELATION</u>	<u>VALUES</u>
Relating knowledge to present. Open to new ideas <u>Communication Skills</u>	Interacting Humane Patient Accessible Appreciative Understanding	Good moral character Humble Strict Regular Spiritual Straight forward

On the right side of the screen, there is a grid of participant video thumbnails. The participants shown are: Seema Singh, Dr. Shanmugam R, Dr. M. Laavanya, Surajit Mukherjee, Dr. V. Vijayaraghavan, Saira Banoo Warsia, Vidhu Mohan, and 40 others. The presenter, Vidhu Mohan, is also visible in a small thumbnail at the bottom right.

STC on Curriculum Design for Developing Job related Competencies from 04-08 Dec 2023

6. NSQF Aligned Curriculum Design and Implementation from 11-15 December, 2023; Coordinated by Dr. S.K. Gupta

Faculty Academic Contribution outside the Department

- Prof. PK Singla delivered lecture during STC on ‘OBE for NEP 2020 Implementation’ Coordinated by Mechanical Department from 9-13 October. Engaged an Expert Session on ‘Curriculum Development Aspects in OBE’ on 10 October, 2023.
- Prof. PK Singla engaged an online expert session during STC on Management Skills for Professional Teacher Excellence held from 16-20 October, 2023 in the Media Centre Department on Human Values/Ethics, Health and Happiness, Media Engineering Department on 18 October, 2023.
- Prof. PK Singla as Guest of Honour during the Valedictory Ceremony of ‘11th International Conference on Advancements in Engineering and Technology’ organized by Bhai Gurdas Institute of Engineering and Technology BGIET, Sangrur.
- Dr. Meenakshi Sood engaged session on “Institute Preparedness for NEP2020 Implementation” in STC on OBE for NEP 2020 Implementation on 13 October, 2023 for Mechanical Engg department.
- Dr. Meenakshi Sood engaged session on “Education 4.0 in line with I4.0” in short term course on “Employability Skills for Industry 4.0” from 16 to 20 October 2023 for EDIC department.
- Dr. Meenakshi Sood engaged session on “Implementation of NEP-2020 in Higher Education” in Faculty induction training programme for newly recruited teachers" from 20 November -1 December 2023 for EMGT Department.
- Dr. Meenakshi Sood engaged session on Curriculum Design for Education 4.0 in STC on ‘NSQF Aligned Curriculum Design and Implementation’ from 11-15 December, 2023 for CDC Department.

2. Curriculum Development:

- Conducted 4 Curricula development workshops for PSBTE, Punjab as following.
 - Workshop to design of Curriculum for PSBTE – Electrical Engineering conducted on October 11, 2023.
 - Workshop to design of Curriculum for PSBTE – Mechanical Engineering (Part Time) conducted on November 6, 2023.
 - Workshop to design of Curriculum for PSBTE – Electrical Engineering (Part Time) conducted on November 23, 2023.
 - Workshop to design of Curriculum for PSBTE – Civil Engineering (Part Time) conducted on November 23, 2023.

October – December 2023

3. Research & Development:

A. PUBLICATIONS

- Divya Sharma, Rajesh Mehra, Balwinder Raj, Enhancement in Efficiency of Methyl Ammonium Tin Iodide-Based Perovskite Solar Cell Using SCAPS-1D, NANO: Brief Reports and Reviews, Vol. 18, No. 14, 2350109, December 2023. DOI: <https://doi.org/10.1142/S1793292023501096>.
- Sitaram Meena Amod Kumar, Meenakshi Sood, Rajesh Kumar Meena, Lung Cancer Detection and Classification Model Using Inception V3 Algorithm” Proceedings of Data Analytics and Management ICDAM 2023, Volume 3, November 2023 DOI: 10.1007/978-981-99-6550-2_32.

B. Ph.D and M.E. Thesis

Research	No.	Supervisor(s)
No of M.E Thesis being Guided	4	Prof. (Dr.) Rajesh Mehra and Dr. Meenakshi Sood
No of M.E Thesis completed	2	Prof. (Dr.) Rajesh Mehra
No of Ph.D Thesis being Guided	2	Prof. (Dr.) Rajesh Mehra and Dr. Meenakshi Sood

4. Instructional Material Development:

- **HSBTE, Haryana State:**
Submission of second year Curriculum Document of 30 Diploma Programmes along with Instructional Strategies.
- **PSBTE, Punjab State:**
Submission of Curriculum Document of 24 Diploma Programmes along with Instructional Strategies.

5. Extension & Consultancy Services:

A. CONSULTANCY PROJECTS:

- NSQF compliant curriculum of 30 diploma courses for HSBTE, Haryana worth Rs. 91.45 lacs.
- NSQF compliant curriculum of 24 diploma courses for PSBTE, Punjab worth Rs. 57.23 lacs.

6. Other Activities:

- Dr. SK Gupta attended FDP “Pedagogical Practices” on 31 Oct and 2-3 Nov 2023 at NITTTR, Chandigarh.
- Dr. Meenakshi Sood attended FDP “Pedagogical Practices” on 31 Oct and 2-3 Nov 2023 at NITTTR, Chandigarh.
- Dr. Meenakshi Sood organized and attended one-day Awareness Workshop on National Credit Framework on 3 Oct. 2023.
- Dr. Meenakshi Sood engaged an expert session on “Institute Preparedness for NEP 2020” at Dr. B. R. Ambedkar National Institute of Technology (NIT) Jalandhar, to celebrate National Education Day (November 11, 2023) to commemorate the birth anniversary of Maulana Abul Kalam Azad.