

CURRICULUM DEVELOPMENT CENTRE

October to December, 2024



1. Training Programme:

Short Term Courses:

1. Development of Employable Skills from 07-11 October, 2024; Coordinated by Dr. Rajesh Mehra.
2. Preparing Students for Placements and Higher Studies from 04-08 November, 2024; Coordinated by PK Singla.
3. Curriculum Design and Implementation from 18-22 November, 2024; Coordinated by Dr. S.K. Gupta.
4. Outcome based Education and Accreditation Process from 25-29 November, 2024; Coordinated by Dr. Meenakshi Sood.
5. Developing Healthy Work Culture at Work Place from 2-6 December, 2024; Coordinated by Dr. S.K. Gupta.
6. Curriculum development Challenges National Credit Framework, NEP and OBE from 09-13 December, 2024; Coordinated by Dr. Meenakshi Sood.



STC on Curriculum development Challenges National Credit Framework, NEP and OBE from 09-13 December, 2024

7. Outcome Based Education for Program Accreditation from 7 – 11 October, 2024; Coordinated by Dr. Meenakshi Sood with CSE Department.

Faculty Academic Contribution outside the Department

- Prof. PK Singla engaged an expert sessions on ‘Developing Placement Skills’ and ‘Ethics and Values’ during short-term course ‘Preparing Students for Job Interviews’ from 7-11 October, 2024 for engineering colleges and polytechnic teachers, organized by EMGT Department on 9-11 October, 2024.
- Prof. PK Singla engaged an expert session on ‘Significance & Methodology of Curriculum Audit’ during short-term course on ‘Academic Audit and Leadership for Improving Institutional Ranking’ from 18-22 November, 2024 for engineering colleges and polytechnic teachers, organized by Media Engineering Department on 20 November, 2024.
- Prof. PK Singla engaged an expert sessions on ‘Ethics and Values’ during short-term course ‘Managing Business Start-ups for Making Self-reliant India’ from November 25-29, 2024 for engineering colleges and polytechnic teachers, organized by EMGT Department on 28 November, 2024.
- Prof. PK Singla engaged a session on the theme ‘Assessment and Evaluation’ during ‘Faculty Induction Programme’ from 29 November to 26 December, 2024, organized by UGC-Malaviya Mission Teacher Training Centre, Panjab University, Chandigarh on 28 November, 2024.
- Prof. PK Singla engaged a session on the theme ‘Positive Thinking’ during the workshop from 9-13 December, 2024, organized by Assistant Director, (O.L), PGIMER, Chandigarh on 13 December, 2024.
- Prof. PK Singla engaged a session on the theme ‘Preparing Tables of Specification for Student Evaluation’ during 5-Days Faculty Development Program (FDP) on ‘Futuristic Academics and Teaching Excellence’ from 16-20 December, 2024, organized by NEP and Skill Enhancement Faculty, Department of Academic Affairs, Chandigarh University on 17 December, 2024.



Faculty Development Program from December 16-20, 2024, at Chandigarh University

- Dr. Meenakshi Sood engaged session on “Deep Learning and Convolutional Neural Networks” in STC on “Artificial Intelligence and Optimisation Techniques using MATLAB” from 7 - 11 October, 2024 for Electrical Engineering Department.
- Dr. Meenakshi Sood engaged keynote session on "STEM Integration in Higher Education in light of NEP-2020” in two-day Contact mode National Conference (NC-1) on “Indian Mathematics in NEP – 2020” from 13 – 14 November, 2024 for Applied Science Department.
- Dr. Meenakshi Sood delivered lecture on “Fundamentals of Deep Learning” in STC on Applications of AI in Electronics System Design from 2 – 6 December, 2024 for IMEE Department.

2. Curriculum Development:

Conducted 6 Curricula Workshops for PSBTE, Punjab.

- Workshop to design of Curriculum for PSBTE - Chemical Engineering (Plastic and Polymer) conducted on 13 November, 2024.
- Workshop to design of Curriculum for PSBTE - ECE (Industry Integrated) conducted on 14 November, 2024.
- Workshop to design of Curriculum for PSBTE - Mechanical Engineering (RAC) conducted on 19 November, 2024.

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- Workshop to Design of Curricula for PSBTE - Mechatronics conducted on 21 November, 2024.
- Workshop to Design of Curriculum for PSBTE - Mechanical Engineering (Tool and Die) conducted on 22 November, 2024.
- Workshop to Design of Curriculum for PSBTE - Textile Design conducted on 03 December, 2024.

3. Research & Development:

A. PUBLICATIONS

- Kislaye Sharma, Meenakshi Sood, “Monitoring, classification and analysis of waste disposal sites using Machine Learning”, Procedia Computer Science, Volume 235, 2024, Pages 1558-1567, ISSN 1877-0509.

B. Ph.D and M.E. Thesis

Research	No.	Supervisor(s)
No of M.E Thesis Completed	1	Dr. Meenakshi Sood
No of M.E Thesis being Guided	1	Prof. (Dr.) Rajesh Mehra
No of Ph.D Thesis being Guided	1	Dr. Meenakshi Sood

4. Instructional Material Development:

- **HSBTE, Haryana State:**
Draft of Curriculum Document for 1st Year of 2 Diploma Programmes along with Instructional Strategies.
- **PSBTE, Punjab State:**
Draft and Finalization of Curriculum Document for 2nd Semester of 6 Diploma Programmes along with Instructional Strategies.

5. Extension & Consultancy Services:

CONSULTANCY PROJECTS:

- NSQF compliant curriculum of 2 diploma courses for HSBTE, Haryana worth Rs. 8,26,000/-.
- NSQF compliant curriculum of 6 diploma courses for PSBTE, Punjab worth Rs. 17,70,000/-.
- FDP on Outcome based Education from 04-08 November 2024 was conducted at Teerthankar Mahaveer University, U.P. Participants attended this FDP. A fees of Rs. 1,18,000/- was received by the institute.



FDP on Outcome based Education from 04-08 November 2024 was conducted at Teerthankar Mahaveer University, Moradabad, U.P.

6. Other Activities:

- Dr. Meenakshi Sood attended “National Discussion-cum-Workshop for Creditisation of Skill-based Programmes & Apprenticeship Training” on 19 November 2024 at NITTTR Bhopal.
- Prof. PK Singla attended the meeting on 21 November, 2024 with Independent External Monitors (IEMs) at NITTTR Chandigarh.
- An invited offline talk by Prof. PK Singla on ‘Significance of Ancient Indian Architecture and Construction Practices: it’s Relevance in Modern Times’ at NITTTR, Chandigarh on 27 November, 2024. Coordinated and organized the Session by Ar. Manmohan Khanna, under IKS, NEP 2020.
- Dr. Meenakshi Sood organised residential training programme on “Education Policy for Higher Education Institutes” from 14 -18 October 2024 at Gujarat Technical University Ahmedabad.
- Dr. Meenakshi Sood organised residential training programme on “Outcome Based Education (OBE) for higher education institutes” from 21–25 October, 2024 at Vignans (Deemed to be University), Guntur, Andhra Pradesh.

- Expert talk "Formulating Course Outcomes and their Mapping with POs and PEOs" in Five Day Faculty Development Program (FDP) on 'Outcome Based Education (OBE 2024) (Evaluation, Implementation and Faculty Development) from 21 - 25 October 2024 at Department of Mechanical Engineering, SLIET, Longowal by Dr. Meenakshi Sood.