

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.



FDP 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 interdepartmental with Prof C Ramakrishna (CSE Department).



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



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

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Support to other departments/organizations by Faculty

- 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 October 7-11, 2024 for engineering colleges and polytechnic teachers, organized by EMGT Department. (Coordinated by Ms Rama Chhabra) on October 9 and 11, 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 November 18-22, 2024 for engineering colleges and polytechnic teachers, organized by Media Engineering Department. (Coordinated by Dr Rakesh Wats) on November 20, 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. (Coordinated by Dr Harsh Vardhan Samalia) on November 28, 2024.
- Prof. PK Singla engaged a session on the theme ‘Assessment and Evaluation’ during ‘Faculty Induction Programme’ from November 29 to December 26, 2024, organized by UGC-Malaviya Mission Teacher Training Centre, Panjab University, Chandigarh on November 28, 2024.
- Prof. PK Singla engaged a session on the theme ‘Assessment and Evaluation’ during ‘Faculty Induction Programme’ from November 29 to December 26, 2024, organized by UGC-Malaviya Mission Teacher Training Centre, Panjab University, Chandigarh on November 28, 2024.
- Prof. PK Singla engaged a session on the theme ‘Assessment and Evaluation’ during ‘Faculty Induction Programme’ from November 29 to December 26, 2024, organized by UGC-Malaviya Mission Teacher Training Centre, Panjab University, Chandigarh on December 11, 2024.
- Prof. PK Singla engaged a session on the theme ‘Positive Thinking’ during the workshop from December 9-13, 2024, organized by Assistant Director, (O.L), PGIMER, Chandigarh on December 13, 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 December 16-20, 2024, organized by NEP and Skill Enhancement Faculty, Department of Academic Affairs, Chandigarh University on December 17, 2024.
- 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 Curriculum Workshops for PSBTE, Punjab.

- Workshop to design of curricula for PSBTE - Chemical Engineering (Plastic and Polymer) conducted on November 13, 2024.
- Workshop to design of curricula for PSBTE - ECE (Industry Integrated) conducted on November 14, 2024.
- Workshop to design of curricula for PSBTE - Mechanical Engineering (RAC) conducted on November 19, 2024.
- Workshop to Design of Curricula for PSBTE - Mechatronics conducted on November 21, 2024.
- Workshop to Design of curricula for PSBTE - Mechanical Engineering (Tool and Die) conducted on November 22, 2024.
- Workshop to Design of curricula for PSBTE - Textile Design conducted on December 03, 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

No of M.E Thesis	3
No of Ph.D Thesis	1

4. Extension & Consultancy Services:

A. CONSULTANCY PROJECTS:

- NSQF compliant curriculum of 2 diploma courses for HSBTE, Haryana worth Rs. 8,26,000/- in progress.
- NSQF compliant curriculum of 6 diploma courses for PSBTE, Punjab worth Rs. 17,70,000/- in progress.
- 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.

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5. 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 November 21, 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. Submitted a Detailed Report to IMEE.
- 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.