

CURRICULUM DEVELOPMENT CENTRE

April to June, 2024



1. Training Programme:

Short Term Courses:

1. Effective Curriculum Implementation from 13-17 May 2024; Coordinated by Dr. S.K. Gupta
2. Curriculum Design for Outcome Based Education from 3-7 June 2024; Coordinated by Dr. Meenakshi Sood
3. Presentation Skills for Effective Curriculum Implementation from 10-14 June 2024; Coordinated by PK Singla.
4. NEP-2020: Science and Technology from 13-17 May 2024; Coordinated by Dr. Meenakshi Sood with Applied Science.

Faculty Academic Contribution outside the Department

- Prof. PK Singla engaged an expert session on 'Basic Philosophy of Yoga' during Short-Term Course on 'Yoga and Meditation' from April 22-26, 2024 for engineering colleges and polytechnic teachers, organized by Civil Department.
- Prof. PK Singla engaged an expert session on 'Professional Ethics' during Short-Term Course on 'Leadership Management Strategy and Professional Ethics' from May 6-10, 2024, organized by Media Engineering Department on May 9, 2024.
- Prof. PK Singla engaged an expert session on 'Writing Learning Outcomes' during Short-Term Course on 'Faculty Induction training programme for Newly Recruited Teachers' from June 3-14, 2024 for engineering colleges and polytechnic teachers, organized by EMGT Department on June 3, 2024.
- Prof. PK Singla delivered an expert lecture and keynote address on 'Curriculum Development' during a Faculty Development Program (FDP) on 'Enhancing the Research Capabilities and Knowledge of Faculty Members in the Field of Allied Health Sciences.' on June 25, 2024 at Chandigarh University.
- Prof. PK Singla delivered an expert lecture and keynote address on 'Accreditation and NEP 2020' during Faculty Development Program (FDP) on 'Pedagogies for Excellence: Curriculum Design, Assessment and Sustainability' on June 25, 2024 at Chandigarh University.

2. Curriculum Development:

- Conducted 20 Curricula Workshops for HSBTE, Haryana.
 - Workshop to design of Curriculum for HSBTE – Textile Technology conducted on April 04, 2024.
 - Workshop to design of Curriculum for HSBTE – Artificial Intelligence & Machine Learning conducted on April 05, 2024.
 - Workshop to design of Curriculum for HSBTE – Textile Processing conducted on April 05, 2024.
 - Workshop to design of Curriculum for HSBTE – Textile Design conducted on April 02, 2024.
 - Workshop to design of Curriculum for HSBTE – Plastic Technology conducted on April 02, 2024.
 - Workshop to design of Curriculum for HSBTE – Medical Electronics conducted on April 09, 2024.
 - Workshop to design of Curriculum for HSBTE – Advance Diploma in Tool and Die Making conducted on April 18, 2024.
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 - Workshop to design of Curriculum for HSBTE – Automobile Engineering conducted on April 10, 2024.
 - Workshop to design of Curriculum for HSBTE – Hotel Management and Catering Technology conducted on April 10, 2024.
 - Workshop to design of Curriculum for HSBTE – Agriculture Engineering conducted on April 03, 2024.
 - Workshop to design of Curriculum for HSBTE – Ceramic Engineering conducted on April 15, 2024.
 - Workshop to design of Curriculum for HSBTE – Instrumentation and Control Engineering conducted on April 08, 2024.
 - Workshop to design of Curriculum for HSBTE – Chemical Engineering conducted on April 04, 2024.
 - Workshop to design of curricula for HSBTE – Food Technology conducted on April 08, 2024.
 - Workshop to design of Curriculum for HSBTE –Civil Engineering conducted on April 12, 2024.
 - Workshop to design of Curriculum for HSBTE –Architectural Assistantship conducted on April 15, 2024.
 - Workshop to design of Curriculum for HSBTE –Medical Laboratory Technology conducted on April 16, 2024.
 - Workshop to design of Curriculum for HSBTE – Instrumentation and Control Engineering conducted on April 08, 2024.
 - Workshop to design of Curriculum for HSBTE –Business Management conducted on April 16, 2024.

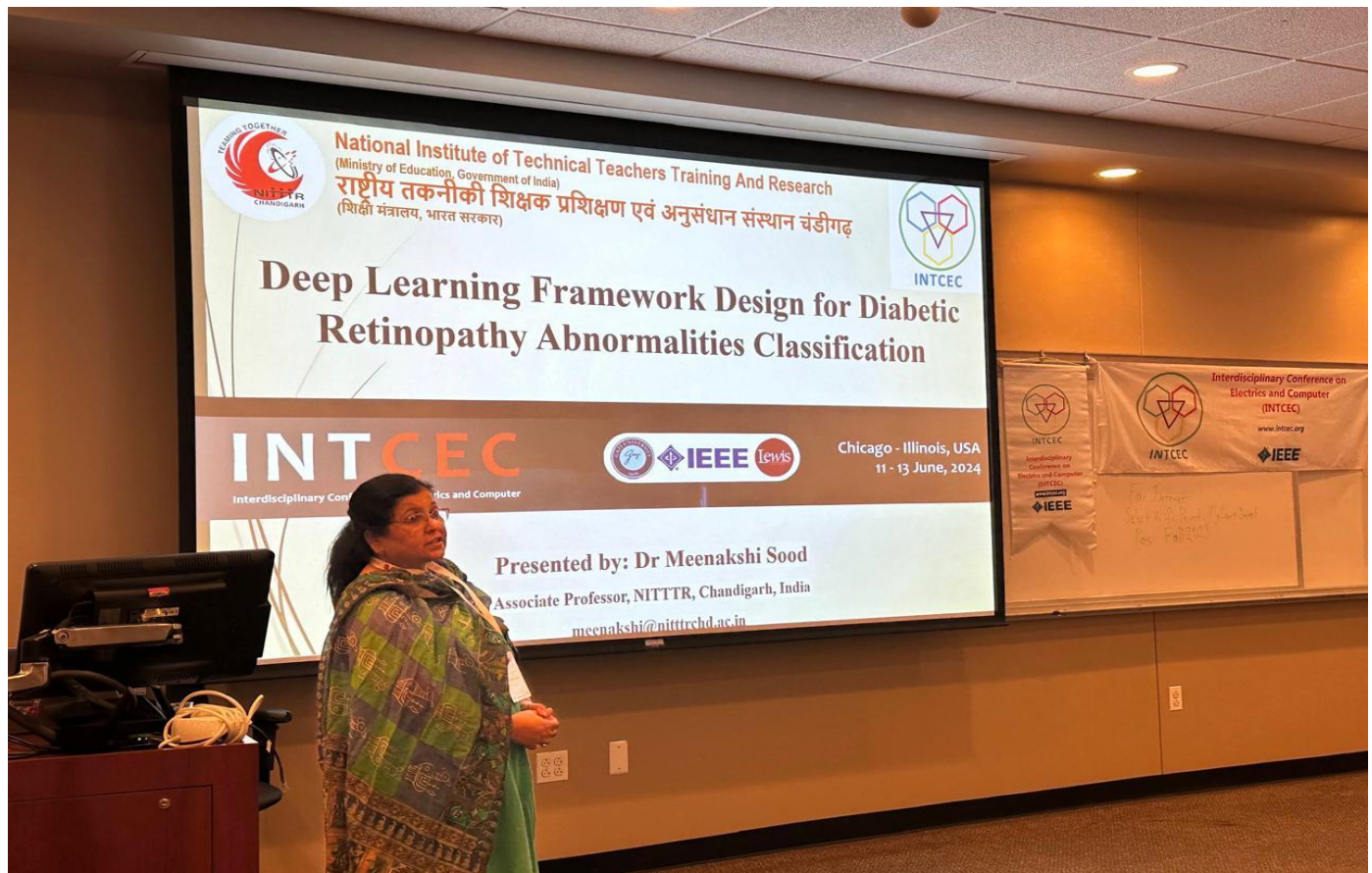
3. Research & Development:

A. PUBLICATIONS

- Neha Bhardwaj, Meenakshi Sood and Sandeep Singh Gill, “3D- Bioprinting and AI-empowered Anatomical Structure Designing: A Review”, Current Medical Imaging, Article ID: e15734056259274 vol 20 Published on: 08 April, 2024.
- Neha Bhardwaj, Meenakshi Sood and SS Gill, “Design of Transfer Learning based Deep CNN Paradigm for Brain Tumor Classification”. WSEAS Transactions on Biology and Biomedicine, vol. 21, pp. 162-169, April 2024.

B. PAPER PRESENTED

“Deep Learning Framework Design for Diabetic Retinopathy Abnormalities Classification,” 2024 4th Interdisciplinary Conference on Electrics and Computer (INTCEC), Chicago, IL, USA, 2024, pp. 1-6, doi: 10.1109/INTCEC61833.2024.10603094.



Paper Presented in Chicago, USA Conference from 11-13 June, 2024

C. 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 Ph.D Thesis being Guided	2	Prof. (Dr.) Rajesh Mehra and Dr. Meenakshi Sood

4. Instructional Material Development:

- **HSBTE, Haryana State:**

Finalization and submission of complete Curriculum Document of 30 Diploma Programmes along with Instructional Strategies.

5. Extension & Consultancy Services:**CONSULTANCY PROJECTS:**

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

6. Other Activities:

- Dr. Meenakshi Sood attended “Capacity building training programme for the preparation of Qualification by the experts of NCVET” on 19 April 2024 at New Delhi.
- Prof. P.K. Singla organized and attended training programmes “Universal Human Values (UHV)” on 15-17 May 2024 at NITTTR, Chandigarh.
- Dr. S.K. Gupta attended training programmes “Universal Human Values (UHV)” on 15-17 May 2024 at NITTTR, Chandigarh.
- Dr. S.K. Gupta attended training programmes “Capacity Building for Promoting Positive Mental Health, Resilience and wellbeing in HEIs” on 19 April 2024 at NITTTR, Chandigarh.
- Prof. PK Singla assisted and edited the proposal for NCVET Qualification by CSE Department and Curriculum Development Centre on May 29, 2024.
- Dr. Meenakshi Sood attended residential training programme on Outcome Based Education (OBE) for Higher Education Institutes” from 20 - 24 May 2024.
- Dr. Meenakshi Sood as keynote speaker “Implementation of OBE” in FDP at Maharana Pratap Engineering College Kanpur affiliated with Dr. A.P.J. Abdul Kalam Technical University, Lucknow on 3 April, 2024.