



Ms. Surabhi
Assistant Professor

Contact Detail

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Date of Joining: 15/02/2016

Nature of association: Regular

EDUCATION:

- ✓ B. Tech in Civil Engineering, JUIT Waknaghat
- ✓ M. Tech in Structural Engineering, JUIT Waknaghat
- ✓ Pursuing Ph.D

AREA OF EXPERTISE:

- ✓ Design of RCC and Steel structures
- ✓ Earthquake Resistant Design
- ✓ Analysis of Structures
- ✓ Concrete Properties
- ✓ Software based applications

EXPERIENCE

- ✓ **Academic/Teaching:** 10 years
- ✓ **Industry:** 2 years

List of research Publications in Conferences:

1. Comparison of Design of tension members as per IS 800:2007, Eurocode 3, AISC 360-10, ES/P/45, National Conference on Engineering, Pharmaceutical, Legal and Management Science, Bahra University, May 2014.

List of Short-Term courses/Workshops/Conferences organized:

1. Member of committees constituted for organising National Conference on “INNOVATION WITHOUT LIMITS IN CIVIL ENGINEERING” from 18th – 19th March 2016.
2. Organizing Secretary for Workshop on “Advances in Sustainable Infrastructure Planning and Development” on 14th September 2016 organised by Dept. of Civil Engineering, JNGEC Sundernagar.
3. Member of committees constituted for organising workshop on “Urban Infrastructure Development” on 15th February 2017
4. Organised Expert lecture on “Earthquake Resistant Design and Retrofitting of structures” by Prof SK Bansal, Vice Chancellor, Bahra University on 07/03/2017

5. Organised expert lecture on Introduction to Trenchless Technologies” and “A guide to higher studies in the US” by Mr. Vinayak Kaushal, Research Fellow, University of Texas at Arlington USA on 08/01/18
6. Member of committees constituted for organising Workshop on Latest Trends in Civil Engineering organised by Dept. of Civil Engineering on 7th Sep 2019
7. Organised Expert Lecture on “Engineering Transformation using Lean Six Sigma Technology” by Mr. Pankaj Guleria, Global Ambassadors, Engineering Transformation Technical Lead Arriva, UK on 17/04/2019
8. Arranged Expert lecture at JNGEC Sundernagar on Emerging Research Areas in the field of Civil Engineering by Dr. Rajneesh Sharma, Assistant Professor, IIT Mandi on 31st August 2019.
9. Organised Webinar on “Durability of Concrete” by Mr. Vikas Malhotra, GM-Technical, JK Cement on 29/08/2020
10. Organised Webinar on “Solar Energy Initiative” by Dr. Vikrant Sharma, Deputy Director, National Institute of Solar Energy on 6/10/2020
11. Organised Webinar on Mental Health and Effective Stress Management by CRC Sundernagar on 7-8/10/2020.
12. Organised Webinar on “National Education Policy (NEP 2020) - a road map for its implementation” by Prof. SP Bansal, VC, HPTU and Prof. Kulbhushan Chandel, Dean Academics, HPTU on 13/10/2020
13. Organised Webinar on Emerging Construction systems by Prof. Naveen Kwatra, Professor, Department of Civil Engineering, Thapar University Patiala on 20/10/2020
14. Organised Webinar on Webinar on Maintaining career stress in times of COVID-19 by Dr. Pawnish Kumar, District Programme Officer Zonal Hospital Mandi on 21/10/2020
15. Organised Webinar on Bentley's STUDENT SERVER by Mr. Rominder Singh Bedi, Business Manager Innovative Systel and Mr. Lalit Negi, Implementation Engineer, Bentley Systems on 23/10/2020
16. Organised Seminar on : National Education Policy (NEP 2020)- Effective Governance and Leadership for Higher Education” by Prof. Shyam L. Kaushal, Professor, HPUBS Shimla on 26/02/2021
17. Organised Webinar on National Education Policy (NEP 2020) by Prof. SP Bansal, VC, HPTU and Prof. Kulbhushan Chandel, Dean Academics, HPTU on 03/03/2021
18. Arranged Expert lecture on Sustainable Construction and Infrastructure Engineering by Dr. Vinayak Kaushal, Assistant Professor of Instruction, University of Texas, Arlington, USA on 10/12/2021
19. Arranged Expert lecture on Construction and Infrastructure Engineering and Management by Dr. Mohammad Najafi, Associate Professor Dept. of Civil Engineering and Director of Center for Underground Infrastructure Research and Education (CUIRE), at the University of Texas at Arlington, USA. on 18/12/2021
20. Arranged Expert lecture at JNGEC Sundernagar on Mathematical Modelling of Biological Transportation Phenomenon by Dr. Dharmendra Tripathi, Assistant Professor and Associate Dean (Faculty welfare and student welfare), NIT Uttarakhand on 12/4/2022
21. Arranged Expert lecture at JNGEC Sundernagar on Processing of natural fibres in Reinforced Composites by Dr. Pawan Kumar Rakesh, Assistant Professor and Associate Dean (Research & Consultancy), NIT Uttarakhand on 12/4/2022
22. Arranged Expert lecture at JNGEC Sundernagar on Awareness of Fire Safety and prevention and evacuation by Mr. Dinesh Sagar, Fire officer, BBMB colony Sundernagar on 4/5/2022
23. Arranged Expert lecture at JNGEC Sundernagar on An insight on the Higher Education in US by Dr. Vinayak Kaushal, Assistant Professor of Instruction, University of Texas, Arlington, USA on 12th October 2022
24. Organised Webinar on Webinar on Awareness Session on MOOC by Ms. Ankit Thakur, Training Manager, Spoken Tutorial, IIT Bombay on 28/02/2023

List of Short Term courses/Workshops/Conferences attended:

1. IUCEE (Indo US Collaboration for Engineering Education) Workshop on Project Management and Heavy Construction Equipment organised by Dept. of Civil Engg., JUIT Waknaghat from 8th to 12th August 2012.
2. Workshop on Critical Soil Mechanics (CSSM Shimla 2012) organised by Dept. of Civil Engg., JUIT Waknaghat from 30th-31st May 2012
3. National Conference on “INNOVATION WITHOUT LIMITS IN CIVIL ENGINEERING” from 18th – 19th March 2016 organised by Dept. of Civil Engineering, JNGEC Sundernagar.
4. Workshop on OFFICE PROCEDURE, CONDUCT & CCA RULES on 1st July 2016 organised by JNEGC Sundernagar.
5. Workshop on “Advances in Sustainable Infrastructure Planning and Development” on 14th September 2016 organised by Dept. of Civil Engineering, JNGEC Sundernagar.
6. WORKSHOP ON “URBAN INFRASTRUCTURE DEVELOPMENT” on 15th February 2017 organised by Dept. of Civil Engineering, JNGEC Sundernagar.
7. FDP on TEACHING LEARNING PRACTICES FOR QUALITY EDUCATION organised by Jawaharlal Nehru Govt. Engineering College, Sundernagar, from 17th to 18th march 2017.
8. National Workshop on “NON-CONVENTIONAL MACHINING AND CHARACTERIZATION TECHNIQUES FOR MATERIALS” on 25th march 2017 organised by Dept. of Mechanical Engineering, JNGEC Sundernagar.
9. Workshop on Landslides-Issues and Remedial Measures on 24th Feb, 2018 at JNGEC (TEQIP III)
10. One week STC on Statistical Methods in Research Methodology, 4th- 8th June, 2018, at JNGEC by PEC & JNGEC (TEQIP III)
11. Workshop on Latest Trends in Civil Engineering organised by Dept. of Civil Engineering on 7th Sep 2019 sponsored by TEQIP-III, JNEGC Sundernagar
12. Workshop for the Master Trainers on “Earthquake Resistance Constructions in H.P.” organized by HIPA and CBRI Roorkee at HIPA, Shimla from: 28th-29th March 2019
13. Training of Master Trainers Programme on ‘Earthquake resistant Construction Practices’ at CSIR-CBRI, Roorkee, from 10th to 14th June, 2019 Organised by State Council on Climate Change, Shimla, HP & CBRI, Roorkee.
14. Two-weeks Faculty Development Programme on “Life Skill Development” from 02-01-2020 to 11-01-2020 at JNGEC Sundernagar, sponsored by TEQIP-III
15. Webinar on “Leveraging Digital Initiatives Of NMEICT, MHRD and Online Examination During COVID-19(webinar)” from 23rd to 24th May 2020 organised by HPTU Hamirpur, NPIU NEW Delhi, Dr. Babasaheb Ambedkar Technological University, Maharashtra
16. Webinar on Advances in Building Technology organised by CBRI Roorkee from 1st to 5th June 2020
17. One-week AICTE Sponsored Online Short Term Training Program on DISASTER MANAGEMENT AND MITIGATION (Phase -I) organized by Department of Civil Engineering, Dr. N.G.P. Institute of Technology, during August 03 - 08, 2020.
18. Webinar Series "RECENT ADVANCEMENTS IN CIVIL ENGINEERING" from 21st to 25th Sep 2020 organised by Dept. of Civil Engineering, RGGEC Kangra.
19. 3-days Online Training Programme on "Hill Area Environment and Development with Focus on Earthquakes, Landslides and Floods", 21st – 23rd October 2020, organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Himachal Pradesh State Disaster Management Authority, Govt. of Himachal Pradesh.
20. Faculty Development Program on "Thrust Areas of Research in Civil Engineering" May 31 - June 04, 2021 by Department of Civil Engineering, Dr. N.G.P Institute of Technology, Coimbatore (online).
21. FDP on Computer Diligence in Civil Engineering & Applications for Sustainable Development from 11th to 15th July, 2022 organised by JUIT Waknaghat
22. Short Term Training Programme on Advanced Pedagogy from 25th July to 5th August 2022 organised by NITTTR Bhopal (online)
23. Short Term Training Programme on Analysis and Design of Structures using Software from 8th August to 12th August 2022, organised by NITTTR Bhopal (online)

24. Faculty Updation Programme from 29th August to 3rd September 2022 organised by IIT Mandi

Information related to Consultancy:

1. Testing of concrete cubes of civil work of ESIC Medical College and Hospital Work at Ner Chowk Mandi (H.P.) given by National Building Construction Corporation Ltd.
2. Testing of materials for substation of HPPTCL Dobhi
3. Testing of materials for HPMC Jarol Construction

Any other achievements:

1. Held different responsibilities in Department of Civil Engineering i.e. NBA Coordinator, Attendance Incharge, Incharge of Concrete Lab, Dept. of CE, GATE Coordinator, Spoken Tutorial Coordinator, Training Placement Coordinator, Project Coordinator etc.
2. Member of various committees at Institute level like Civil Works Committee, Time Table Committee, NIRF, Disaster Awareness Committee, Library Committee etc.
3. Video lectures uploaded on You-Tube channel for Technical Subjects/ softwares (https://www.youtube.com/channel/UCV_yI995iPjL3ydcGVzCEdQ)
4. Delivered lecture in “Training of Masons, Carpenters and Bar Binders at Disaster Management Authority Bilaspur”, held on 4th Dec 2019 on the topic “Hazard Risk Resistant Construction”
5. Delivered lecture on “Various Applications of STAAD Pro. In Civil Engineering”, held on 22nd May 2021 to students and faculty of Govt. Polytechnic College, Talwar through online mode.
6. Delivered lecture on two-days online “Hands on Workshop on Basics of STAAD Pro.”, held from: 12th to 13th June 2021 to students and faculty of Sri Sai College of Engineering and Technology Badhani-Pathankot.
7. Delivered lecture under Disaster Awareness Programme on “Seismic vulnerability of Himachal Pradesh and earthquake-resistant features in buildings”, held on 8th-9th Feb 2022 to students of B.Tech 1st year, JNGEC Sundernagar
8. Delivered lecture on “Earthquake resistant features in buildings”, held on 19th October 2022 to students and faculty of Gulzar Group of Institutes
9. Delivered lecture in “Training to JEs/Masons/Carpenters” for Earthquake Resistant Construction in events organized by Appropriate Technology Centre, Sundernagar.