

Curriculum Vitae

डॉ.भीष्म सिंह खाती



Dr.Bhishm Singh Khati

Assistant Professor and Head of the Department

Department of Civil Engineering

G. B. Pant Institute of Engineering and Technology

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07579164401

Date of Birth : 30th June 1986
Permanent Address : 4/33, Lane No. 3, Post Office Road,
Near Clement Town Police Station,
District-Dehradun, Uttarakhand, India-248002
Father's Name : Sri.Bishan Singh Khati
Mother's Name : Smt.Bhageerathi Khati
Gender (M/F/T) : Male
Marital Status : Married
Nationality : Indian
Fax No. : +91-01368-228262

Area of Interest:

- Soil Mechanics and Foundation Engineering,
- Advance Foundation Engineering,
- Soil Dynamics and Earthquake Engineering,
- Laterally Loaded Piles near Sloping Ground,
- Ground Improvement Techniques,
- Machine Foundations.

Academic Qualifications: (Undergraduate Onwards)

S. No.	Exam	Board/ University	Year of Passing	Specialized Subject	Division/ Grade
1.	B. Tech.	UPTU	2003-2007	Civil Engineering	I st
2.	M. Tech.	IIT Roorkee	2007-2009	Earthquake Engineering (Soil Dynamics)	I st
3.	Ph. D.	IIT Roorkee (Under QIP Scheme)	2015-2019	Civil Engineering (Geotechnical Engineering)	I st

Work Experience: Total Academic, Administrative and Research Experiences: 14 Years

S. No.	Name of the Institute	Designation	Pay Scale	Job Profile	Duration	
					From	To
1.	GBPIET, Pauri	Associate Professor	37400-67000 with AGP 9000 (Level-13A)	Academic and Administrative	Due from 03.02.2023	--
2.	GBPIET, Pauri	Assistant Professor	15600-39100 with AGP 8000 (Level-12)	Academic and Administrative	03.02.2020	02.02.2023
3.	GBPIET, Pauri	Assistant Professor	15600-39100 with AGP 7000 (Level-11)	Academic and Administrative	03.02.2016	02.02.2020
4.	GBPEC, Pauri	Assistant Professor	15600-39100 with AGP 6000 (Level-10)	Academic and Administrative	03.02.2011	02.02.2016
5.	GBPEC, Pauri	Assistant Professor (Temporary)	15600-39100 with AGP 6000	Academic and Administrative	22.10.2010	02.02.2011
6.	CSIR-CBRI, Roorkee	Project Assistant III (Temporary)	14000 + HRA (Consolidated)	Research Related	22.12.2009	13.09.2010

Administrative/Other Institute Responsibility:

- **Head**, Department of Civil Engineering (12th September 2023 to till continue)
- **Office in Charge, Civil Maintenance** GBPIET (December 05, 2023 to till continue)
- **Office in Charge, Water Supply** GBPIET (November 08, 2021 to till continue)
- **Head**, Department of Civil Engineering (17th June 2021 to 06th September 2021)
- **Office in Charge, Security** GBPIET (05th March 2019 to 06th September 2021)
- **Estate Officer, GBPIET** (12th September 2018 to 06th September 2021)
- **Expert Member, Board of Studies**, B.Tech (Civil) and M.Tech (Civil), Uttarakhand Technical University August 2022
- **Convenor**
 1. Internal stock verification committee at Institute level for verify the all procured (TEQIP-III) items 2019-2020
 2. Field Preparation Committee Annual Sports Josh 2018-19
- **Warden**
 1. Bhageerathi Hostel 2018-2019
 2. Neelkanth Hostel 2014-2015
- **Assistant warden**
 1. Kailash Hostel 2013-2014
 2. Badri Hostel 2011-2012 & 2012-2013
- **Member**
 1. Plantation in the campus GBPIET July 2022
 2. Central Purchase Committee (CPC) Feb 2020
 3. Internal stock verification committee at Institute level for verify the all procured (TEQIP-III) items financial year 2018-2019
 4. Annual Sports Committee Josh 2019-20
 5. Medical Staff in the campus Sep 2019
 6. Central Purchase Committee (CPC) Sep 2018
 7. Start-up and Innovation Cell Oct 2018
 8. Different constituted for opening and evaluation of tenders in Department of Civil Engineering and college level 2012 & 2013
 9. Physical verification of various labs of the Department of Civil Engineering 2012-2013
 10. Expert Member of committee, which is constituted to conducted the walk-in-interview for the post of Assistant Professor, purely on contractual basis 2011 & 2022

Departmental Responsibility:

- **Coordinator**
 1. **Placement** 2021-2022 & 2022-2023
 2. **PhD** 2023-24 & 2024-2025
 2. **Faculty Affairs** 2021-2022 & 2022-2023
 3. **M.Tech** Geotechnical Engineering 2020-21
 4. **B.Tech** 2018-2019, 2019-2020 and 2020-2021
 5. **B.Tech Project** 2023-24
 6. **M.Tech Dissertation (GT and IF)** 2023-24
 7. **Students activity co-coordinator** 2011-2015
- **Lab in Incharge**
 1. **Plaxis 3D Research Lab** 2019-2020, 2020-2021, 2021-22, 2022-23, 2023-24 and 2024-25
 2. **Geotechnical Lab** 2018-2019, 2019-2020, 2020-2021, 2023-24and 2024-25
- **Course Counsellor**
 1. **M.Tech First Year Geotechnical** 2021-2022, 2022-2023, 2023-24 and 2024-25
 2. **B.Tech** 2011-2015
 3. **B.Tech Second Year** 2020-2021
 4. **B.Tech First Year** 2019-2020

B.Tech Project:2006-2007

- **Study of Ambient Air Quality in Delhi** (January to June 2007)
To Understand Effects of Air Quality in Delhi

M. Tech. Thesis:2008-2009

- **Effect of Embedment and Geo-Grid Reinforcement on Dynamic Elastic Properties of Silty Sand** (October 2008 to June 2009)
- **Computer Aided Analysis of Turbo Generator Foundation** (01st June to 18th September 2008) Computer Aided Analysis of Turbo Generator Foundation Using Programming in MATLAB

Doctoral Details:2015-2019

- Received Ph.D. for work on **Experimental Studies on Laterally Loaded Piles near Sloping Ground** (03rd September 2015 to 12th September 2019)

Membership of Professional Bodies:

S.No	Name of the Society	Details of Membership
1.	Indian Geotechnical Society (IGS)	LM 4042 Lifetime Membership (14842)
2.	Institution of Engineers (India)	Lifetime Membership (M-1597587)
3.	American Society of Civil Engineers (ASCE)	Associate Member (11931542)

Award/ Fellowship

AICTE fellowship during Ph.D. programme under Q.I.P scheme 2015-2018

Research Guidance: Ph.D.-01 (Pursuing)

M.Tech-05 (Completed) and M.Tech-03 (Pursuing)

B.Tech-18 (Completed) B.Tech-01 (Pursuing)

Patent work:

1. Influence of Ground-Granulated Blast-furnace Slag on the Structural Performance of Self-Compacting Concrete
2. An Analyzing Method for Use of Recycled Aggregates in Concrete
3. A Method for Study on Analysis of Cross Drainage Work
4. A Methodology of Condouring for Analysis Grid Condour survey
5. A Methodology for Testing of Waste material for Using it as Road Pavement in Place of Bitumen and Aggregate
6. M20 Concrete Cantaining Steel Fibre as Reinforcement Material

Papers Published in Referred International/ National Journals: 13

S.No	Name of Authors	Title	Name of the Journal	Year/ISSN/Vol
1.	Gupta, A., Khati, B. S., Kumar, D.	“Effect of Random Inclusion of Aluminium Strands on Strength Behaviour of Soil”	<i>International Journal of Civil Engineering & Technology</i> (IJCIET)	2018, Vol 9, Issue 4, pp. 175-180, ISSN Print: 0976-6308 and ISSN Online: 0976-6316. Paper Id: IJCIET_09_04_019. (Scopus Indexed Q3)
2.	Khati, B. S. and Sawant, V. A.	“Variation in Lateral Load Capacity of Pile Embedded Near Slope with Ground Inclination and Edge Distance”	<i>International Journal Geotechnical Engineering</i> (IJGE)	2018, Vol 14, No.7, pp. 740-751, ISSN :1938-6362 (P), ISSN :1939-7879 (O). DOI: 10.1080/19386362.2018.1541149. (Scopus Indexed Q2)
3.	Khati, B. S. and Sawant, V.	“Comparison of Lateral Response of	<i>International Journal Geotechnical</i>	2019, Vol 14, No.6, pp. 686-695, ISSN :1938-6362 (P), ISSN :1939-7879 (O) DOI: 10.1080/19386362.2019.1617478.

	A.	Pile Group in Series and Parallel Arrangement near Sloping Ground”	<i>Engineering (IJGE)</i>	(Scopus Indexed Q2)
4.	Khati, B. S. and Sawant, V. A.	“Effect of Slope Angle and Edge Distance on Laterally Loaded Flexible Pile Embedded in Sandy Ground.”	<i>Advances in Sustainable Construction Materials and Geotechnical Engineering, Lecture Notes in Civil Engineering, Springer</i>	2019, Vol 35 (ISSN: 2366-2557; ISSN: 2366-2565 (electronic), pp. 195-204, https://doi.org/10.1007/978-981-13-7480-7 . (Scopus Indexed Q4)
5.	Khati, B. S. , Sawant, V. A. and Gupta, A.	“Development of <i>p-y</i> Curves from Experimental Studies on Piles near Sloping Ground”	Geo-Congress-2020 (ASCE) US, <i>Foundations, Soil Improvement and Erosion</i> , Geotechnical special publication	2020, Vol No-GSP 315, pp. 64-72, DOI: 10.1061/9780784482780.007, (ISSN: 0895-0563) ISBN (PDF): 978-078-44-8278-0, (Published Online February 21, 2020). (Scopus Indexed)
6.	Gupta, A., Khati, B. S. and Kumar, D.	“Utilization of Stone Dust and Fly Ash to Enhance the Engineering Properties of Black Cotton Soil.”	<i>International Journal of Advanced Science and Technology (IJAST)</i>	2020, Vol.29 No.04 (2020) pp.8753-8760, ISSN: 2207-6360. (April 2020) (Scopus Indexed Q3)
7.	Gupta, A., Sawant, V. A. and Khati, B. S.	“Effect of Soil Amplification on the Seismic Stability of Reinforced-soil Wall for Cohesive Backfill with Uniform Surcharge.”	<i>Lecture Notes in Civil Engineering</i> , Springer, (Proceedings of the Indian Geotechnical Conference 2019 IGC 2019).	(ISBN 978-981-33-6563-6; ISBN 978-981-33-6564-3 (eBook)). Lecture Notes in Civil Engineering, Springer , (ISSN: 2366-2557; ISSN: 2366-2565 (electronic)), pp. 255 – 264. (Ist Online May 06, 2021) https://doi.org/10.1007/978-981-33-6564-3 . (Scopus Indexed Q4)
8.	Khati, B.	“Experimental	<i>International</i>	2021, 21 (2), 1911, pp-04020257-1-10 DOI:

	S. and Sawant, V. A.	Study of Laterally Loaded Pile Group in Square Arrangement near Sloping Ground”	<i>Journal of Geomechanics</i> (American Society of Civil Engineers)	10.1061/(ASCE) GM.1943-5622.0001911, impact factor-3.819 (2020) (ISSN: 1532-3641). (SCI Indexed Q1)
9.	Gupta, A., Kumar, B. and Khati, B. S.	“A Comparative Study of the California Bearing Ratio Value of Subgrade Made by Stone Dust and Natural Sand with Coarse Aggregate”	<i>SAMRIDDHI – A Journal of Physical Sciences, Engineering & Technology</i> (SAMRIDDHI – JPSET)	2022, Volume 14 (3), ISSN:2454-5767, DOI:10.18090/samriddhi.v14i03.04. (UGC Approved)
2023				
10.	Khati, B. S., Sawant, V. A. and Gupta, A.,	Influence of Edge Distance on Experimental p-y Curves for Piles near Slope	Geomechanics and Geoenvironment: An International Journal	2023, Received 11 Jan 2022, Accepted 21 Jul 2023, Published online: 25 Jul 2023 https://doi.org/10.1080/17486025.2023.2240735 (Scopus Indexed Q2)
11.	Kuldeep Singh Rautela, Dilip Kumar, Bandaru Goutham Rajeev Gandhi, Ajay Kumar, Amit Kumar Dubey and Bhisim Singh Khati	Evaluating hydroelectric potential in Alaknanda basin, Uttarakhand using the snowmelt runoff model (SRM)	Journal of Water and Climate Change	https://doi.org/10.2166/wcc.2023.341 (SCI Indexed Q2)
12.	Rautela, K. S., Kumar, D., Khati, B. S.,	Multivariate Statistical Analysis to assess the	Water science and technology	https://doi.org/10.2166/wst.2023.349 (SCI Indexed Q2)

	Rawat. A. and Dubey. A.K.	surface water quality of a snow and glacier-fed river: a case from Alaknanda river basin		
13.	Rawat.A, Kumar, D., and Khati, B. S.	A Review on Climate Change Impact, Models and its Consequences on different Sectors: A Systematic Approach.	Journal of Water and Climate Change	https://doi.org/10.2166/wcc.2023.536 (SCI Indexed Q2)

Papers Published in International/ National Conferences: 09

1. **Khati, B. S.**, Kumar, D., Swami, S. (2011), “Dynamic Analysis of Nailed Open Cuts-A Case Study” National Conference on Recent Advances in Civil Engineering (RACE-2011), IIT-BHU, Varanasi, 14th to 16th October 2011, 472-479, ISBN: 978-81-921121-0-7.
2. Kumar, D., **Khati, B. S.**, Yadav, H. L. (2011), “Water Quality Modeling for EIA Study” 4th International Congress of Environmental Research, Organized By Journal of Environmental Research and Development, Bhopal (India) and SVNIT Surat, India, S.No. 323, 15th to 17th December 2011.
3. **Khati, B. S.**, Swami, S., Mukerjee, S., (2012), “Computer Aided Analysis of Turbogenerator Foundation” 2nd International Science Congress Association (ISC-2012) Vrindavan, India, ISCA-ISC-2012-5CITS-06, 08th-09th December 2012.
4. **Khati, B. S.** and Sawant, V. A. (2017), “A Review on Effect of Slope on Load Carrying Capacity of Laterally Loaded Pile” National Conference on Numerical Modeling in Geomechanics (CoNMiG-2017) organized by Indian Geotechnical Society, Roorkee Chapter at IIT Roorkee, India, 03rd-04th March 2017, 295-302.
5. **Khati, B. S.** and Sawant, V. A. (2017), “Response of Single Model Pile Subjected to Lateral Load near Sloping Ground” 6th International Conference on Quality Up-gradation in Engineering, Science & Technology (ICQUEST-2017) organized by Bapurao Deshmukh College of Engineering, Sevagram, Wardha, Maharashtra, 28th September 2017, Track 6 CIVIL Papers C-21, ISBN: 978-81-923623-1-1, Pages-04.
6. **Khati, B. S.** and Sawant, V. A. (2017), “Effect of Steep Slope on Single Model Pile Subjected to Lateral Load near Sloping Ground” National Conference on Infrastructure Sustainability in Hilly Regions (CISHR-2017) organized by National Institute of Technology, Srinagar, Uttarakhand, pp-41 to 46, 21st to 23rd December 2017.

7. Gupta, A., **Khati, B. S.** and Sawant, V. A. (2018), “Seismic Active Earth Pressure Behind the Inclined Retaining Wall for Inclined $c-\phi$ Soil Backfill using Pseudo-Dynamic Approach” *16SEE-2018*, 16th Symposium on Earthquake Engineering organized by Department of Earthquake Engineering, IIT Roorkee, 20th to 22nd December 2018 Paper Id: 20.
8. **Khati, B. S.**, Sawant, V. A. and Gupta, A. (2019), “Comparison of $p-y$ Curves of Pile Group in Parallel Arrangement near Sloping Ground” Indian Geotechnical Conference IGC 2019 (GeoINDUS) organized by Indian Geotechnical Society at SVNIT Surat, Gujrat, India, 19th to 21st December 2019. Paper Id: Th2-30.
9. Gupta, A., Sawant, V. A. and **Khati, B. S.** (2020), “A Simplified Pseudo-Dynamic Analysis of Reinforced Soil Walls for $c-\phi$ Soil Backfill with Uniform Surcharge.” Proceedings of Peer-Reviewed Abstracts in CRSIDE-2020 (2nd ASCE India Conference 2020) Kolkata, India, organized by ASCE India Section, 02nd to 04th March 2020, ISBN: 978-93-5396-500-6.

STC / FDP/ Conferences Programmes Organized: 07

1. One week TEQIP-II short term course on “Eco-Technology for Sustainable Development” (ETSD-2013) organized by G. B. Pant Engineering College, Pauri-Garhwal, Uttarakhand during 21st to 25th October 2013 as a member.
2. Two days National Conference on “Numerical Modeling in Geomechanics CoNMiG-2017” organized by Department of Civil Engineering, in association with Indian Geotechnical Society Roorkee Chapter at IIT Roorkee during 03rd to 04th March 2017 as an ‘Organizing Committee Member’.
3. One week TEQIP-III short term course on “Emerging Technologies and Soft Computing Techniques for Combating Climate Change and Sustainable Development” organized by Department of Civil Engineering, G. B. Pant Institute of Engineering and Technology, Pauri-Garhwal, Uttarakhand during 11th to 15th Nov 2019 as a Coordinator.
4. Two week online TEQIP-III Faculty Development Program on “Soil Structure Interactions and Its Applications” (SSIA-2020) organized by Department of Civil Engineering, G. B. Pant Institute of Engineering and Technology, Pauri-Garhwal, Uttarakhand during 31st Aug to 11th Sep 2020 as a Coordinator.
5. Two week online TEQIP-III Industry-Academia Interaction on “Latest Trends in Civil Engineering (IAI-2020)” and “Hands on Python Programming” organized by Department of Civil Engineering, G. B. Pant Institute of Engineering and Technology, Pauri-Garhwal, Uttarakhand during 31st Aug to 11th Sep 2020 as a Co-coordinator.
6. Two week online TEQIP-III Faculty Development Program on “Recent Advances and Innovations in Design of Structures (RAIDS-2020)” organized by Department of Civil Engineering, G. B. Pant Institute of Engineering and Technology, Pauri-Garhwal, Uttarakhand during 07th to 18th Dec 2020 as a Co-coordinator.
7. Two week online TEQIP-III Faculty Development Program on “Geoinformatics for Extreme Events 2020 (GEE-2020)” organized by Department of Civil Engineering, G. B. Pant Institute of Engineering and Technology, Pauri-Garhwal, Uttarakhand during 23rd Nov to 04th Dec 2020 as a Co-coordinator.

Paper Presented: 11

1. Presented a paper (Oral) on topic “A Review on Effect of Slope on Load Carrying Capacity of Laterally Loaded Pile” In Conference on Numerical Modeling in Geomechanics (*CoNMIg-2017*) organized by Indian Geotechnical Society Roorkee Chapter at IIT Roorkee, India during 03rd-04th March 2017.
2. Presented a paper (Oral) entitled “Response of Single Model Pile Subjected to Lateral Load near Sloping ground” in 6th International Conference on Quality Up-Gradition in Engineering, Science & Technology (*ICQUEST-2K17*) organized by Bapurao Deshmukh College of Engineering, Sevagram, Wardha, Maharashtra on 28th September 2017.
3. Presented a paper (Oral) entitled “Lateral Resistance of Short Single Pile Located near Slopes” in 12th Uttarakhand State Science and Technology Congress (*USSTC-2K18*) organized by Uttarakhand State Council for Science and Technology, Vigyan Dham, Dehradun during 07th to 09th March 2018.
4. Presented a paper (Oral) entitled “Influence of Stone Dust and Fly Ash on Engineering Properties of Black Cotton Soil” in International Conference on Materials, Applied Physics and Engineering (*ICMAE-2018*), Madhya Pradesh, India during 03rd-04th June 2018.
5. Presented a paper (Oral) entitled “Effect of Slope and Edge Distance on Laterally Loaded Flexible Pile in Sandy Soil” International Conference on Trends and Recent Advances in Civil Engineering (*TRACE-2018*), organized by Department of Civil Engineering, ASET, Amity University, Uttar Pradesh, Noida, UP, India during 23rd-24th August 2018.
6. Presented a paper (Oral) entitled “Behaviour of Laterally Loaded Pile Located at the Crest of Slope” Conference on *Next Frontiers in Civil Engineering: Sustainable and Resilient Infrastructure (NFICE2018)*, organized by Department of Civil Engineering, IIT Bombay, during 30th November - 01st December 2018.
7. Presented a paper (Oral) entitled “Seismic Active Earth Pressure Behind the Inclined Retaining Wall for Inclined $c-\phi$ Soil Backfill using Pseudo-Dynamic Approach.” *16SEE-2018*, 16th Symposium on Earthquake Engineering organized by Department of Earthquake Engineering, IIT Roorkee during 20th to 22nd December 2018.
8. Presented a paper (Oral) entitled “Ultimate Resistance of Laterally Loaded Pile Located near Sloping Ground” at the International Conference on Construction, Mechanical and Industrial Engineering (*ICCMIE*) 02nd-03rd June, 2019, Port Blair, Andaman and Nicobar Islands, India.
9. Presented a paper (Oral) entitled “Comparison of $p-y$ Curves of Pile Group in Parallel Arrangement near Sloping Ground” Indian Geotechnical Conference IGC-2019, 19th to 21st December 2019, SVNIT Surat, India.
10. Presented a paper (Oral) entitled “Effect of Soil Amplification on the Seismic Stability of Reinforced Soil Wall for Cohesive Backfill with Uniform Surcharge.” Indian Geotechnical Conference IGC-2019, 19th to 21st December 2019, SVNIT Surat, India.
11. Presented a paper (Oral) entitled “CBR Value of Subgrade Made by Stone Dust Blended with Coarse Aggregate” at the International Conference, *ICMEECS (IE-EECS-GOA-270120-606A)*, Goa, India, 27th-28th January 2020.

Invited Lecturers:

Topic	Area	Delivered at	Year / Date
'Soil Mechanics and Foundation Engineering'	Geotechnical Engineering	Bhagirathi Institute of Technology and Management Polytechnic college, Devidhar, Lohaghat, Chamapwat, Uttarakhand	01 st October 2014.

Webinar /Short Term Training /Faculty Development Programmes Attended (One/Two week):28

1. One week short term course on Efficient Water Management : Challenges and Opportunities “India Water Week 2013” organized by Ministry of Water Resources, Government of India at New Delhi during 08 to 12 April 2013.
2. One week TEQIP-II short term course on Information Technology and Its Impact on Society “A New Horizon of Energy Efficiency and E-Waste Management” (ITIS-2013) organized by G. B. Pant Engineering College, Pauri-Garhwal, Uttarakhand during 26th to 30th August 2013.
3. One week TEQIP-II short term course for Faculty Development Programme on “Application of Matlab in Engineering” organized by Malaviya National Institute of Technology, Jaipur during 16th to 20th September 2013.
4. One week TEQIP-II short term course on “Eco-Technology for Sustainable Development” (ETSD-2013) organized by G. B. Pant Engineering College, Pauri-Garhwal, Uttarakhand during 21st to 25th October 2013.
5. One week short term course on “Seismic Design of Reinforced and Confined Masonry Buildings” organized by IIT Gandhinagar during 17th to 21st February 2014.
6. One week TEQIP-II short term course on “Advancements in Cloud Computing” organized by G. B. Pant Engineering College, Pauri-Garhwal, Uttarakhand during 27th to 31st May 2014.
7. One week off-campus training programme on “Pedagogical Training for Engineering Faculties” organized by G. B. Pant Engineering College, Pauri-Garhwal, Uttarakhand during 04 to 08 August 2014.
8. One week short term training programme on “Geotechnical and Landslide Investigations for Highway Projects” organized by CSIR-CRRI, New Delhi during 25th to 29th August 2014.
9. One week CEP Course on “Finite Element Methods & Applications in Civil Engineering” organized by IIT Bombay at Mumbai during 27th April to 01st May 2015.
10. One week TEQIP-III short term course on “Advances in Structural Engineering” organized by Department of Civil Engineering, IIT Roorkee at Roorkee during 20th to 24th February 2017.

11. One week TEQIP-III short term course on “Structural Elements Subjected to Extreme Loadings” organized by Department of Civil Engineering, IIT Roorkee at Roorkee during 20th to 24th March 2017.
12. One week TEQIP-III short term course on “Sustainable Environmental Management” organized by Department of Civil Engineering, IIT Roorkee during 27th to 31st March 2017.
13. Two week AICTE sponsored QIP short term course on “Quality Management: Issues, Tools and Techniques” organized by QIP centre and MIE Department, IIT Roorkee during 29th May to 09th June 2017.
14. One week AICTE sponsored QIP short term course on “Recent Advances in Fracture and Fatigue” organized by QIP centre and Department of Civil Engineering, IIT Roorkee during 10th to 14th July 2017.
15. One week TEQIP-III short term course on “Emerging Trends and Technology in Internet of Things (IOT) and Cloud Computing” organized by G. B. Pant Institute of Engineering and Technology, Pauri-Garhwal, Uttarakhand during 10th to 14th September 2018.
16. One week AICTE recognized short term course on “Entrepreneurship and Business Incubation Through ICT” conducted by Entrepreneurship Development and Industrial Coordination Department at G. B. Pant Institute of Engineering and Technology, Pauri-Garhwal, Uttarakhand during 08th to 12th October 2018.
17. One week AICTE recognized short term course on “Digital Marketing and E-Commerce through ICT” organized by G. B. Pant Institute of Engineering and Technology, Pauri-Garhwal, Uttarakhand during 29th Oct to 02nd Nov 2018.
18. One week QIP short term course on “Recent Advancement in Earthquake Geotechnical Engineering” organized by Department of Civil Engineering, IIT Kanpur during 18th to 22nd February 2019.
19. One week MHRD sponsored TEQIP faculty Development Programme on “Research Ethics, IPR Training, Plagiarism & Entrepreneurship” organized by Department of Management Studies, IIT Roorkee 29th April to 03rd May 2019.
20. One week DST short term course on “Computational Modelling: Application in Structural and Geomechanics Problems” organized by Department of Civil Engineering in Association with Department of Science and Technology (DST), NIT Jalandhar during 09th to 13th July 2019.
21. One week TEQIP-III short term course on “Emerging Technologies and Soft Computing Techniques for Combating Climate Change and Sustainable Development” organized by Department of Civil Engineering, G. B. Pant Institute of Engineering and Technology, Pauri-Garhwal, Uttarakhand during 11th to 15th November 2019.
22. Two week online TEQIP-III FDP on “Experimental and Numerical Methods for Mechanical Engineers (ENMME-2020)” organized by Department of Mechanical Engineering, G. B. Pant Institute of Engineering and Technology, Pauri-Garhwal, Uttarakhand during 17th to 28th Aug 2020.
23. Two week online TEQIP-III Faculty Development Program on “Soil Structure Interactions and Its Applications” (SSIA-2020) organized by Department of Civil Engineering, G. B. Pant Institute of Engineering and Technology, Pauri-Garhwal, Uttarakhand during 31st Aug to 11th Sep 2020.

24. One week online TEQIP-III sponsored Webinar on “Recent Developments in Geotechnical Engineering (RDGE-2020)” organized by Department of Civil Engineering, National Institute of Technology, Rourkela during 14th to 18th Sep 2020.
25. Two week online TEQIP-III Faculty Development Program on “Recent Advances and Innovations in Design of Structures (RAIDS-2020)” organized by Department of Civil Engineering, G. B. Pant Institute of Engineering and Technology, Pauri-Garhwal, Uttarakhand during 07th to 18th Dec 2020.
26. Two week online TEQIP-III Faculty Development Program on “Geoinformatics for Extreme Events 2020 (GEE-2020)” organized by Department of Civil Engineering, G. B. Pant Institute of Engineering and Technology, Pauri-Garhwal, Uttarakhand during 23rd Nov to 04th Dec 2020.
27. One week TEQIP-III Faculty Development Program on “Strategies for Learning and development Post Covid-19” organized by G. B. Pant Institute of Engineering and Technology, Pauri-Garhwal, Uttarakhand In association with SLOG Solutions Pvt.Ltd. Dehradun during 04th Feb to 08th Feb 2021.
28. One week TEQIP-III Short Term Course on “Classical and Metaheuristic Optimization Methods for Engineering Planning and Design” organized by Department of Civil Engineering, IIT Guwahati sponsored by the MHRD during 22 to 26th Feb 2021.

Industrial Training (Four /Two Week) :02

1. **Four week industrial training** on “Strengthening work by DBM & BC from Fatehpur-Khedi-Shikohpur-Belki-Masahi-Haddiwala Motor Road and Construction of Bridge from 06 to 100km at distt-Haridwar” organized by BRIDCUL, Uttarakhand during 04th Jan to 31st Jan 2021.
2. **Two week industrial training** on “Khela to Garguwa Motor Road and 30m Span Steel Truss Bridge in Km 1 of Kalika to Bajani m/r” organized by PMGSY Division PWD Dharchula, Pithoragarh, Uttarakhand during 04th-16th July 2022.

Workshops/ Conferences/ Seminar/ Webinar /Short Course Attended: 31

Sl.No.	Title	Period	Place
1.	Four days training course on “Web Based Hydrological Tools”	12 th to 15 th March, 2013	National Institute of Hydrology, Roorkee (Ministry of Water Resources, Government of India) at Roorkee
2.	Two days training programme on “Effective Leadership and Teamwork”	23 rd -24 th May, 2013	IT Kharagpur at its Kolkata campus
3.	Two days off campus training programme on “Academic Management for Achieving Excellence in Engineering Education”	05 th -06 th May, 2014	G. B. Pant Engineering College, Pauri-Garhwal

4.	Two days national workshop on “Assessment & Mitigation in Liquefaction Hazards for Seismic Microzonation”	27 th -28 th November, 2015.	The Indian Society of Earthquake Technology, in association with Department of Earthquake Engineering & Centre of Excellence in Disaster Mitigation and Management, IIT Roorkee
5.	Two days national conference on “Numerical Modeling in Geomechanics” (CoNMiG-2017)	03 rd -04 th March, 2017	Department of Civil Engineering, in Association with Indian Geotechnical Society Roorkee Chapter at IIT Roorkee
6.	Half-day training course on “Workshop on Research Paper Writing”	09 th September, 2017	Mahatma Gandhi Central Library, IIT Roorkee
7.	One day 6 th international conference on “Quality Up-gradation in Engineering, Science & Technology (ICQUEST 2K17)”	28 th September, 2017	Bapurao Deshmukh College of Engineering, Sevagram, Wardha, Maharashtra
8.	Two days all India workshop on “Mass Housing & Rapid Construction (MH & RC)”	14 th -15 th November, 2017	The Institution of Engineers (India) Roorkee local centre
9.	Three days conference on “12 th Uttarakhand State Science and Technology Congress (USSTC 2K18)”	07 th to 09 th March, 2018	Uttarakhand State Council for Science and Technology, Vigyan Dham, Dehradun
10.	Two days an International Conference on “Geomatics in Civil Engineering” (ICGCE-2018)	05 th -06 th April, 2018	Department of Civil Engineering, IIT Roorkee
11.	Two days 2 nd International Conference on “Trends and Recent Advances in Civil Engineering” (TRACE 2018)	23 rd -24 th August, 2018	ASET, India at Amity University
12.	Two days National Conference on “Next Frontiers in Civil Engineering: Sustainable and Resilient Infrastructure” (NFICE-2018)	30 th November - 01 st December, 2018	Department of Civil Engineering, IIT Bombay
13.	One day Seminar on “Landslide Analysis and Mitigation” (LAM-2018)	07 th December, 2018	Department of Civil Engineering, IIT Roorkee
14.	One day workshop on “Recent Advances in Soil-Structure Interactions and Retaining Walls”	12 th December, 2018	International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) & Indian Geotechnical Society (IGS)

			Bangalore Chapter held at Indian Institute of Science (IISc), Bangalore
15.	Three days Indian Geotechnical Conference, IGC-2018	13 th to 15 th December, 2018	organized by Indian Geotechnical Society (IGS) Bangalore Chapter and Department of Civil Engineering, Indian Institute of Science (IISc), Bangalore
16.	Three days 16SEE-2018, 16 th Symposium on Earthquake Engineering	20 th to 22 th December, 2018	Department of Earthquake Engineering, IIT Roorkee
17.	One day Workshop on “Research Papers & Thesis Writing Skills”	18 th March, 2019	Uttarakhand Technical University held at COER, Roorkee
18.	Two day TEQIP-III sponsored Workshop on “Outcome Based Educational (OBE) System”	02 nd -03 rd September, 2019	State Project Implementation Unit (SPIU), Dehradun, Uttarakhand
19.	Three days TEQIP-III sponsored Workshop on “Executive Leadership Program offered by the Art of Living”	25 th to 27 th November, 2019	organized by State Project Implementation Unit (SPIU), Uttarakhand at Art of Living center, Bangalore
20.	One day TEQIP-III sponsored Workshop on “2 nd Uttarakhand Educators Summit-2019”	10 th December, 2019	TEQIP-III Dehradun, Uttarakhand
21.	One day 3 rd Indo-Korea Joint Geotechnical Engineering Workshop on “Geotechnical Issues for Urbanisation”	18 th December, 2019	Department of Civil Engineering, SVNIT Surat, India
22.	Three days “Indian Geotechnical Conference, IGC-2019 - GeoINDUS”	19 th to 21 th December, 2019	Indian Geotechnical Society, Surat Chapter and Department of Civil Engineering, SVNIT Surat, India
23.	One day Webinar on “Earthquake Engineering and Technology”	09 th May, 2020	Indian Society of Earthquake Technology (ISET), Department of Earthquake Engineering, IIT Roorkee
24.	One day Webinar (online) on “Analysis and Design of Deep Foundations under Uplift Loads: A Geotechnical Perspective”	11 th Feb, 2022	SC7 of IGS Student Chapter Activities and Continuing Education
25.	One day Webinar (online) on “QA/QC Methods of Deep foundation Testing”	12 th Feb, 2022	SC7 of IGS Student Chapter Activities and Continuing Education

26.	One day Webinar (online) on “Stone columns”	25 th Feb, 2022	SC7 of IGS Student Chapter Activities and Continuing Education
27.	One day Seminar on “Software Application in Civil Engineering”	23 rd April, 2022	Department of Civil Engineering, G.B.Pant University of Agril. and Technology, Pantnagar, Uttarakhand
28.	One day Webinar (online) on “Landslide Susceptibility Mapping Through Machine Learning Techniques”	10 September, 2022	Organized by Indian Geotechnology Society Subcommittee-7
29.	One day Webinar (online) on “Landslide Mitigation Techniques”	16 September, 2022	Organized by Indian Geotechnology Society Subcommittee-7
30.	One day Webinar (online) on “Investigation of Rock Slopes and Stability Assessment”	17 September, 2022	Organized by Indian Geotechnology Society Subcommittee-7
2023-2024			
31.	One day Webinar (online) on “Non Destructive Evaluation of Reinforced Concrete Structures”	05 August, 2023	Organized by NCCBM and UltraTech Cement

Consultancy Projects: 57

At GBPIET Pauri, I am working in a various lab testing/field testing work, third party quality inspection, vetting of buildings and bridges for various major projects in all over India.

Research Projects: 02

S.No.	Research Project Title/ Details of Project	Amount Sanctioned	Responsibility as PI/Co-PI	Sponsoring Agency	Status or Year
1.	Parametric studies for selecting solid waste disposal site and designing in hilly areas	Rs-3.00 Lakh	PI	Collaborative Research Proposal under TEQIP-III (Uttarakhand Technical University)	Submitted on March 16, 2021
2.	Assessment of flood vulnerability in the upstream catchment of Himalayan river	Rs-17.64 Lakh	Co-PI	ISRO (Space Applications Centre-SAC), Ahmedabad	01/11/2020 to 31/10/2023

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Extra-Curricular Activities:

- Gyan Jyoti 2k5, HCST (2005) – Sub Co-ordinator
- Creative Thinking (2006), HCST –"A" Grade
- Gyan Jyoti 06, HCST (2006) – Event Manager
- Cognizance 08, IIT Roorkee – Volunteer for Flaws
- Cricket Championship, 2008 IIT Roorkee – Winning Member of Cautley Cricket Team, IIT Roorkee
- Cautley Sports Week, 2009 IIT Roorkee – Winning Member of Cautley Cricket Team, IIT Roorkee
- Cautley Sports Week, 2009 IIT Roorkee – Winner Volley Ball, IIT Roorkee
- Cautley Bhawan Day, 2009 IIT Roorkee – Best Dressed Student Award, IIT Roorkee
- Cautley Sports Week, 2009 IIT Roorkee – In Door Games Head Organizing Member, IIT Roorkee

References:

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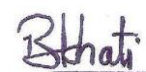
Mobile: +91-9760316224

Declaration:

I hereby declare that the above information mentioned is true to the best of my knowledge and belief.

Place: GBPIET, Pauri

Date: 24-10-2024



Dr.Bhishm Singh Khati