

Resume of Deepesh Singh

(Updated Sept 23)



Name : Deepesh Singh
Nationality : Indian
Date of Birth : 16.11.1977
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Harcourt Butler Technical University, Kanpur- 208002
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Present Designation : Professor

Professional Experience:

February 2018	Professor
February 2015- February 2018	Associate Professor
January 2006- February 2015	Assistant Professor
February 2003-December 2005	Lecturer
July 2001-June 2002	Guest Lecturer

Academic Background:

Examination	University	Year	% of marks	Division
Ph.D.	Indian Institute of Technology, Kanpur	2008	-	-
M.Tech	Indian Institute of Technology, Delhi	2000	CPI 8.0/10	I
B.Tech	H.B.T.I. Kanpur	1999	79.63%	I (hons)
Intermediate	Mahanagar Boys' Inter College, Lucknow	1994	77.67% (U.P. Board)	I (hons)
High School	Pt. Deen Dayal Upadhyay Sanatan Dharm Vidyalay, Kanpur	1992	81.67% (U.P. Board)	I (hons)

Ph.D. Thesis: *“Optimal monitoring network design for contamination detection sequential cauterization of contaminant plumes with feedback information using simulated annealing and linked kriging”*

M.Tech. Thesis: *“Forecasting of subdivision-wise monsoon rainfall using Artificial Neural Networks for Indian summer monsoon”*.

Research Interest:

- Groundwater monitoring network design
- Non classical optimization technique
- Artificial neural networks
- Monsoon forecasting models
- Solid Waste Management
- Groundwater flow modelling
- Groundwater transport modelling
- Traffic survey modelling
- Air Pollution modelling
- Noise Pollution Modelling
- Water Purification
- Concrete Technology
- Geosynthetic Clay Liner

Professional Membership:

1. Life member of Indian Society for Technical Education (ISTE) [LM- 39043]
2. Member of Institution of Engineers (MIE) [M-143814-4]
3. Indian Water Resource Society (IWRS). [LM- 2017-7703]

Publications:

International Journal – 15

1. Dixit, A., Singh, D., Shukla, S.K. (2023). “Assessment of Human Health Risk Due to Contaminated Groundwater Nearby Municipal Solid Waste Disposal Site: A Case Study in Kanpur City”. International conference on Trends and Recent Developments in Energy and Environmental Engineering (TRACE 2022), Lecture Notes in Civil Engineering, vol 333. Springer, Singapore (online ISBN: 978-981-99-1388-6) published 20 June 2023, pp 315-325.
[https://doi.org/10.1007/978-981-99-1388-6_24]
2. Maurya, S.D., Dixit, A., Singh, D. (2023). “Application of peanut shell ash in geosynthetic clay liners to reduce the zinc contamination in leachate”, *Materials Today: Proceedings*, Elsevier, Published online 3 June 2023.
[<https://doi.org/10.1016/j.matpr.2023.05.536>]
3. Yadav, A., Dixit, A., Singh, D. (2023). “Estimation of air pollution tolerance index of plants in selected locations in Kanpur city, India”, *Materials Today: Proceedings*, Elsevier, Published online 5 May 2023.
[<https://doi.org/10.1016/j.matpr.2023.04.222>]
4. Dixit, A., Singh, D., Shukla, S.K. (2023). “Assessment of human health risk due to leachate contaminated soil at solid waste dumpsite, Kanpur (India)”, *J of Environmental Science and Technology*, Springer, Published online on 8th March 2023.
[<https://doi.org/10.1007/s13762-023-04868-y>]
5. Dixit, A., Singh, D., Shukla, S.K. (2023). “Effect of expansive soils on swelling behavior of encapsulated sodium bentonite of geosynthetic clay liner (GCL)”, *Materials Today: Proceedings*, Elsevier, Published online 2 March 2023.
[<https://doi.org/10.1016/j.matpr.2023.02.220>]
6. Singh, D., Shende, V., Agrahari, S.K., Devnani, G.L., Jaiswal, Y., Pal, S.L. (2022). “Modeling and optimization of electrocoagulation process for removal of Cr(VI) and total suspended solids from tannery effluent”, *J of Desalination and Water Treatment*, Vol. 278, Dec 2022, pg. 93-101, (ISSN: 19443994).
[<https://doi.org/10.5004/dwt.2022.29010>]
7. Bhadauria, S., Dixit, A., Singh, D. (2022). “Estimation of air pollution tolerance and anticipated performance index of roadside plants along the national highway in a tropical urban city”, *J of Environmental Monitoring and Assessment*, Springer Nature, 194, Article no. 808, September 2022.
[<http://dx.doi.org/10.1007/s10661-022-10483-0>]

8. Dixit, A., **Singh, D.**, Shukla, S.K. (2022). “Changing scenario of municipal solid waste management in Kanpur city, India”, *J Mater Cycles Waste Management*, Springer Nature, Published online 14 May 2022.
[<https://doi.org/10.1007/s10163-022-01427-4>]
9. Agnihotri, Kriti, **Singh, D.** (2022). “Ambient Air Quality Monitoring and Modelling in Kanpur City During Covid-19 Pandemic”, *Int. Journal of Engineering Research and Management*, ISSN 2349-2058, Vol. 09, Issue 02, February, 2022, pp 6-12.
10. Dixit, Abhishek, Patel, S., Abhay, **Singh, D.** (2022). “Effect of different supplementary cementitious materials on compressive strength of concrete with varying size of aggregates”, *Materials Today: Proceedings*, Elsevier, January 2022.
[<https://doi.org/10.1016/j.matpr.2022.01.177>]
11. Mishra, A., Das, S., **Singh, D. et al.** (2021). “Effect of COVID-19 lockdown on noise pollution levels in an Indian city: a case study of Kanpur”, *J Environ Science and Pollution Research*, Springer, April 2021 pp 1-13.
[<https://doi.org/10.1007/s11356-021-13872-z>]
12. Singh, B. P., Srivastava, P., Trivedi, A., **Singh, D.** (2021). “Application of Geospatial Techniques for Hydrological Modelling”, *International Journal of Multidisciplinary research and Analysis*, Vol. 04, issue 02, Feb 2021, pp. 181-192.
[ISSN(online): 2643-9875, DOI: 10.47191/ijmra/v4-i2-12]
13. Singh, K.P., **Singh, D.** (2019). “Experimental Study of Fluoride Removal from Drinking Water through the Use of Sand as Adsorbent by Solar Distillation”, *International Research Journal of Engineering and Technology*, Vol. 06, Issue 07, July 2019, pp. 1595-1598.
14. **Singh, D.**, Datta, B. (2014). “Optimal Groundwater Monitoring Network Design for Pollution Plume Estimation with Active Sources”, *International Journal of GEOMATE*, Vol. 6, No. 2 (Sl. No. 12), pp. 864-869, Japan.
[Scopus – Elsevier: DOI: [10.21660/2014.12.3258a](https://doi.org/10.21660/2014.12.3258a), EID: 2-s2.0-84905682497]
15. **Singh, D.**, Singh, R. K. (2013). “Non-Biodegradable Contaminants Transport Modeling with Varying Transmissivity for Aquifer at West Campus HBTI Kanpur”, *International Journal of Innovative Research in Science, Engineering and Technology*, Vol. 2, Issue 10, pp. 5731-5740, October 2013

National Journal – 06

1. Dixit, A., Singh, D., (2023). “Technical Enhancement of Municipal Solid Waste Management in A Tropical City in North India”, Jr of Water and Energy International, Vol. 66/RNI, no. 5, ISSN: 0974-4711, August 2023, pp 14-18. [Scopus indexed]
2. Dixit, A., Singh, D., (2022). “Significance of Landfills on Climate Change: Challenges and Opportunities”, Jr of Water and Energy International, Vol. 65/RNI, no. 9, ISSN: 0974-4711, December 2022, pp 15-21. [Scopus indexed]
3. Jadon, S., Singh, D., Kumar, S., (2022). “Economy in construction with realistic uniformly distributed imposed loads”, The Indian Concrete Journal, vol. 96, no. 12, December 2022, pp 14-21. [Scopus indexed, Q3]
4. Patel, S.K., Singh, D., Kumar, P., Singh, D., (2020). “Physicochemical Parametric Water Quality Index (WQI) Analysis of Gomti River, Lucknow using MDSSS”, Journal of Indian Chemical Society, Vol 97, October (A) 2020, pp 1725-1730.
[<https://doi.org/10.5281/zenodo.5957127>]
5. Nidhi, V., Singh, D., Devnani, G.L., (2020). “Fly ash mediated epoxy composites: A Review”, Journal of Indian Chemical Society, Vol 97, July 2020, pp 1038-1042.
[Scopus – Elsevier: EID: 2-s2.0-85096984282]
6. Chandra, P., Bajpai, R., Singh, D., (2019). “Long Term Management Plan for Pollutant Mass Reduction by Variable Withdrawal Rates in a Confined Aquifer”, National Journal of Geographical Committee of IWRA (India), Vol. 8, No. 2, pp. 39-43, July 2019, ISSN: 2277-1301.

International Conference – 35

1. Maurya, S.D., Dixit, A., Singh D., (2022). “Application of Peanut Shell Ash in Geosynthetic Clay Liners (GCLs) to reduce the Zinc contamination in Leachate”, in International Conference on Advances in Smart Materials, Chemical and Biochemical Engineering (CHEMSMART- 22) organized by Department of Chemical Engineering, NIT Raurkela, during 16-18 December 2022, pp22.
2. Yadav, A., Dixit, A., Singh D. (2022). “Estimation of Air Pollution Tolerance Index of Plants in selected location in Kanpur city, India”, in International Conference on Advances in Smart Materials, Chemical and Biochemical Engineering (CHEMSMART- 22) organized by Department of Chemical Engineering, NIT Raurkela, during 16-18 December 2022, pp98.

3. Dixit, A., **Singh D.**, Shukla, S.K. (2022). "Effect of Expansive soils on swelling behavior of encapsulated sodium bentonite of geosynthetic clay liner (GCL)", in International Conference on Advances in Smart Materials, Chemical and Biochemical Engineering (CHEMSMART- 22) organized by Department of Chemical Engineering, NIT Raurkela, during 16-18 December 2022, pp26.
4. Maurya, S.D., Dixit, A., **Singh, D.** (2022). "Removal Efficiency of Chromium Contamination using Peanut Shell Ash in Geosynthetic Clay Liner", in International Conference on Science Engineering & Technology (ICSET 2022) organized by School of Engineering, R.K. University, Rajkot, Gujrat during 18-19 November 2022, pp 84-89 [ISBN: 978-81-959326-0-3]
5. Yadav, A., Dixit, A., **Singh, D.** (2022). "Assessment of Air Pollution Tolerance Index of Plants in different zones of Kanpur city, Uttar Pradesh", in International Conference on Science Engineering & Technology (ICSET 2022) organized by School of Engineering, R.K. University, Rajkot, Gujrat during 18-19 November 2022, pp 180-188[ISBN: 978-81-959326-0-3]
6. Patel, S., Devnani, G.L., **Singh, D.** (2021). "Effect of additives and treatment on fly ash based polymer composites", in International Conference on Advancement in Materials, Manufacturing and Energy Engineering (ICAMME- 2021) during 18th -20th February, 2021, organized by Department of Materials and Metallurgical Engineering in association with Department of Mechanical Engineering & Energy Centre Maulana Azad National Institute of Technology, Bhopal. [https://doi.org/10.1007/978-981-16-8341-1_12]
7. Mishra, A., **Singh, D.** (2020). "Assessment of Traffic Noise Pollution Indices in Kanpur City", published in book of abstract in International Conference on Energy and Environmental Technologies for Sustainable Development (CHEM-CONFLUX20) organized MNNIT Allahabad, pp 139, 14-16 February 2020.
8. Bhadauria, S., **Singh, D.** (2020). "Air Pollution Tolerance Index of Plants along GT Road in Kanpur City, Uttar Pradesh", published in book of abstract in second ASCE International Conference in India on Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies (CRSIDE2020), organized at Kolkata, pp 158, 02-04 March 2020.
9. Kumar, P., **Singh, D.** (2019). "An Experimental Investigation of Open Channel Parameters with Rigid Vegetation", Keynote paper published in proceedings of 8th International Groundwater (IGWC 2019) on Sustainable Management of Soil Water Resources, organized at IIT Roorkee, October 21-24, 2019, pp 215- 216, TS8.
10. Mishra, S., **Singh, D.**, Shukla, A. (2019). "Neural Network Modeling of River Ganga along Rishikesh and Kanpur", published in book of abstract in International Conference on Environment and Society (ICES 2019), organized at HBTU Kanpur, pp 347, 22-23 December 2019.
11. Gupta, R., **Singh, D.**, Prasad, H.J.S. (2019). "Assessment of Groundwater Quality at Pantnagar", published in book of abstract in International Conference on Environment and Society (ICES 2019), organized at HBTU Kanpur, pp 321, 22-23 December 2019.
12. Mishra, A., **Singh, D.** (2019). "Effect of Heterogeneous Traffic Conditions on Noise Pollution in Kanpur City", published in book of abstract in International Conference on Environment and Society (ICES 2019), organized at HBTU Kanpur, pp 210, 22-23 December 2019.

13. Nidhi, V., **Singh, D.** (2019). "Adsorptive Removal of Arsenic and Fluoride from Water by using Electrospun Nanofiber", published in book of abstract in International Conference on Environment and Society (ICES 2019), organized at HBTU Kanpur, pp 190, 22-23 December 2019.
14. Bhadauria, S., **Singh, D.** (2019). "Air Pollution Tolerance Index of Plants along National Highway in Kanpur City, Uttar Pradesh", published in book of abstract in International Conference on Environment and Society (ICES 2019), organized at HBTU Kanpur, pp182, 22-23 December 2019.
15. Singh, K., **Singh, D.** (2019). "Analysis and Mapping of Air Quality in Kanpur City", International Conference on Emerging Trends in Science, Engineering and Management (ICETSEM 2019), Maharashtra Chamber of Commerce Industries & Agriculture, Senapati Bapat Road, Pune India, pp 19-26, 21st July, 2019.
16. Mishra, S., **Singh, D.** (2019). "Pollution Analysis of River Ganga in Kanpur" International Conference on Emerging Trends in Science, Engineering and Management (ICETSEM 2019), Maharashtra Chamber of Commerce Industries & Agriculture, Senapati Bapat Road, Pune India, pp 27-29, 21st July, 2019.
17. Bajpai, R., **Singh, D.** (2019). "Utilization of Industrial Wastes GGBS in Regular Concrete by Material Replacement Technique", Proceedings of International Conference on Innovative Trends in Civil Engineering for Sustainable Development (ITCSD- 2019), pp. 11-13, 13-15 September 2019, Organised under TEQIP III, National Institute of Technology, Warangal, Telengana.
18. Singh, K., **Singh, D.** (2019). "Application of Geo-spatial Method for Mapping of Air Pollutant", Proceedings of International Conference on Innovative Trends in Civil Engineering for Sustainable Development (ITCSD- 2019), pp. 333-335, 13-15 September 2019, Organised under TEQIP III, National Institute of Technology, Warangal, Telengana.
19. Mishra, S., **Singh, D.** (2019). "Surface Water Quality Assessment of Ganga River with Reference to Water Quality Indices", Proceedings of International Conference on Innovative Trends in Civil Engineering for Sustainable Development (ITCSD- 2019), pp. 336-337, 13-15 September 2019, Organised under TEQIP III, National Institute of Technology, Warangal, Telengana.
20. Chandra, P., Bajpai, R., **Singh, D.** (2019). "Optimal Scheduling of Pumping Well Discharge to Minimize Contaminant Mass in Confined Aquifer", Abstract published in proceedings of International Conference on Engineering Science & Advance Research, ESAR -19 organised by Faculty of Engineering & Technology and IEEE- UP Section, Published by Int Jr of Engineering Science & Advance Research (ISSN No. 2395-0730), pp 48, Vol 5, Issue 1, March 13-15, 2019.
21. Gangwar, S., **Singh, D.** (2019). "Bio Concrete used as Self-Healing Concrete", Abstract published in proceedings of International Conference on Engineering Science & Advance Research, ESAR -19 organised by Faculty of Engineering & Technology and IEEE- UP Section, Published by Int Jr of Engineering Science & Advance Research (ISSN No. 2395-0730), pp 61, Vol 5, Issue 1, March 13-15, 2019.
22. Gangwar, S., Praveen, S., **Singh, D.** (2018). "A Concise Review of Adverse Effect of Industrial Discharge on Environmental Health", proceedings of International Conference on Engineering Science & Advance Research, ESAR -18 organised by Faculty of

23. Singh, Tarushi, **Singh, D.** (2017). "Air Quality Modeling of PM10, NO2 and SO2 using Soft Computing Techniques for Kanpur City", proceedings of International Conference on Recent Trends in Civil Engineering and Water Resources Engineering, RTCWRE-2017 at H.M. Institute of Technology & Science, Hyderabad, 10-11 August, 2017, pp165-169.
24. Zahra, Tahzeeb, **Singh, D.** (2017). "A Multivariate Statistical Approach for Groundwater Quality Assessment of Rae Bareli District, U.P., India", proceedings of International Conference on Recent Trends in Civil Engineering and Water Resources Engineering, RTCWRE-2017 at H.M. Institute of Technology & Science, Hyderabad, 10-11 August, 2017, pp170-174.
25. Srivastava, Toshi, **Singh, D.** (2017). "Artificial Intelligence Based Prediction Models for Solid Waste Generation in Kanpur City, Uttar Pradesh", proceedings of International Conference on Recent Trends in Civil Engineering and Water Resources Engineering, RTCWRE-2017 at H.M. Institute of Technology & Science, Hyderabad, 10-11 August, 2017, pp175-177.
26. Gangwar, Sumit, **Singh, D.** (2017). "Dynamic Groundwater Monitoring Network Design for Aquifers with Varying Thickness", proceedings of International Conference on Recent Trends in Civil Engineering and Water Resources Engineering, RTCWRE-2017 at H.M. Institute of Technology & Science, Hyderabad, 10-11 August, 2017, pp178-181.
27. Tyagi, M., **Singh, D.** (2017). "Study of Biodegradable Contaminants Transport in Groundwater", abstract in proceedings of International Conference on Modelling of Environmental and Water Resources Systems ICMEWRS 2017, at HBTU Kanpur, March 24-26, 2017.
28. Kumar, D., **Singh, D.** (2017). "Contingent Valuation to Find Environment Cost at Highway Section, Kanpur", abstract in proceedings of International Conference on Modelling of Environmental and Water Resources Systems ICMEWRS 2017, at HBTU Kanpur, March 24-26, 2017.
29. Agrahari, S.K., **Singh, D.** (2017). "Modelling and Optimization of Electro-coagulation Process for Removal of Cr (VI) and TSS from Tannery Effluent", abstract in proceedings of International Conference on Modelling of Environmental and Water Resources Systems ICMEWRS 2017, at HBTU Kanpur, March 24-26, 2017.
30. Gautam, K., A., **Singh, D.** (2016). "Optimal Design of Air Quality Monitoring Network for Multiple Pollutants", in proceedings of International Conference on Emerging Trends in Civil Engineering, KNIT Sultanpur, October 21-22, 2016, pp 248-253.
31. Agarwal, N., Kumar, P., Sachan, G., Abhishek, Das, S., **Singh, D.**, Maurya, A.K. (2014). "Analysis of Vehicular Headway Distribution in Urban Area", in proceedings of International Conference on Recent Trends and Challenges in Civil Engineering, MNNIT Allahabad, India, December 12-14, 2014.
32. Awasthi, P., Sharma, N., Sahu, K., Mirza, M.A., Dey, S., **Singh, D.**, Maurya, A.K. (2014). "Study of Vehicular Speed Distribution under Mixed Traffic Conditions", in proceedings of International Conference on Recent Trends and Challenges in Civil Engineering, MNNIT Allahabad, India, December 12-14, 2014.
33. **Singh, D.**, Srivastava, A. (2012). "Groundwater Flow and Transport Modeling of Allen Forest, Kanpur", in proceedings of International conference "IC-BEST 2012: International

Conference on Benchmark in Engineering, Science & Technology” B.D. College of Engineering, Sevagram, Wardha, India, 7-8 Sptember, 2012 (in CD).

34. **Singh, D., Datta B.** (2012). “Linked Optimization Model for Groundwater Monitoring Network Design”, in proceedings of International conference "ENSURE 2012: Environmentally Sustainable Urban Ecosystems" IIT Guwahati, Assam, India February 24-26, 2012 (in CD).
35. **Singh, D., Datta, B.** (2010). “Sequential Characterization of Contaminant Plumes using Designed Monitoring Network”, in proceedings of International conference on IAHR-APD 2010 held at Auckland, New Zealand 21-24 February 2010 (in CD).

National Conference – 15

1. Dixit Abhishek, **Singh, D.** (2021). “Effect of Different Supplementary Cementitious Materials on Compressive Strength of Concrete with Varying Size of Aggregates”, in online national conference on Documenting Innovation and Creativity in Engineering (DICE- 2021) sponsored by AICT, organized by PSIT College of Engineering, Kanpur, 25-26 September, 2021.
2. Nidhi,V., **Singh, D.** and Devnani, G.L. (2020). “Fly ash mediated epoxy composites: A Review”, Proceedings of National Conference on Nanotechnology & Environment (NCNE- 2020) organized by Department of Chemical Engineering, NIT Raipur during 13-14 February, 2020, pp. 25.
3. Tyagi, M., **Singh, D.** (2020). “Effect of Microorganisms on Biodegradable Contaminant Transport in Groundwater”, Book of Abstract for National Conference on ‘Issues & Challenges in Water Treatment and Allied Research for Sustainable Environment – WATER 2020’, organized by IIT Guwahati during 23-25 January 2020, pp. 38.
4. Singh, K.P., **Singh, D.** (2019). “Experimental Study of Fluoride Removal from Drinking Water through the Use of Activated Charcoal in Modified Solar Still”, Proceedings of Abstract for National Conference on Sustainable and Recent Innovation in Science and Engineering (SUNRISE- 2019), ISBN No. 978-93-5391-715-9 pp. 33, 28-29 November 2019, Organised by Motihari College of Engineering, Motihari, Bihar.
5. Bajpai, R., **Singh, D.** (2019). “Use of Blast Furnace Slag in Partial Replacement as a Cementitious Binders for Concrete”, Proceedings of Abstract for National Conference on Sustainable and Recent Innovation in Science and Engineering (SUNRISE- 2019), ISBN No. 978-93-5391-715-9 pp. 31, 28-29 November 2019, Organised by Motihari College of Engineering, Motihari, Bihar.
6. Mishra, S., **Singh, D.** (2019). “Neural Network Modeling of River Ganga along Rishikesh and Kanpur”, Proceedings of Abstract for National Conference on Sustainable and Recent Innovation in Science and Engineering (SUNRISE- 2019), ISBN No. 978-93-5391-715-9 pp. 32, 28-29 November 2019, Organised by Motihari College of Engineering, Motihari, Bihar.
7. Chandra, P., Bajpai, R., **Singh, D.** (2019). “Long Term Management Plan for Pollutant Mass Reduction by Variable Withdrawl Rates in a Confined Aquifer”, in proceedings of National Conference on Water Resources Management, WRM 2019 organised by Dept. of Civil Engineering, Aligarh Muslim University (AMU), 15-16 March, 2019

8. **Singh, D.**, Vishwakarma, R.D. (2017). “Modelling of Heat and Solute Transport in Groundwater”, published in 33rd National Convention of Environmental Engineers on Status of Technological Advancement to meet the Environmental Norms for Indian Mining and Allied Industries, organized by The Institution of Engineers (India), IIT (ISM) Dhanbad, 24-25 August, 2017, pp 111-123.
9. Zahra, T., **Singh, D.** (2017). “A Multivariate Statistical Approach for Groundwater Quality Assessment of Rae Bareli District, UP, India”, published in 33rd National Convention of Environmental Engineers on Status of Technological Advancement to meet the Environmental Norms for Indian Mining and Allied Industries, organized by The Institution of Engineers (India), IIT (ISM) Dhanbad, 24-25 August, 2017, pp 124-129.
10. Singh, T., **Singh, D.** (2017). “Statistical Modeling Approach for PM10 Concentration at Kanpur City, Uttar Pradesh”, published in 33rd National Convention of Environmental Engineers on Status of Technological Advancement to meet the Environmental Norms for Indian Mining and Allied Industries, organized by The Institution of Engineers (India), IIT (ISM) Dhanbad, 24-25 August, 2017, pp 124-129.
11. **Singh, D.**, Maurya, A.K., Sarda, S.K., Budhkar A.K. (2014). “Review of Technologies Used for Green Road Design and Construction”, National Conference on GEO-Environmental Issues and Sustainable Urban Development (GEN-2014), October 11-12, 2014 held at MNNIT Allahabad, India.
12. **Singh, D.**, Maurya, A.K. (2004). “Application of cellular automata in hydrology”, in proceeding of National Conference on HYDRO-2004, pg. 319-323.
13. **Singh, D.**, Parmar, D.L., Anupama and Singh, S. (2003). “Financial viability of BOT project”, In proceeding of National Conference on Advances in Civil Engineering: Perspective of Developing Countries, Vol. 2, Pg. 669-676.
14. **Singh, D.**, Khosa, R. (2003). “Forecasting of subdivision – wise monsoon rainfall modeling using artificial neural networks”, in proceeding of National Conference on Advances in Civil Engineering: Perspective of Developing Countries, Vol. 2, Pg. 458-467.
15. **Singh, D.**, Parmar, D.L., and Kumar, N., (2003). “Challenges for sustainable development in the next millennium”, accepted for poster presentation, in International conference on Energy and Environment Technologies for Sustainable Development, Oct. 8-10, 2003, MNNIT, Jaipur, India.

Research Collaborations: 04

Outside University:

1. Research Collaborations with Geotechnical and Geoenvironmental Engineering Research Group, School of Engineering, **Edith Cowan University, Australia**, Jan 2021

Within University:

1. Research Collaborations for one project work of M.Tech. with Department of Chemical Engineering, HBTU Kanpur, 2020-21.
2. Research Collaborations for one project work of M.Tech. with Department of Chemical Engineering, HBTU Kanpur, 2019-20.

3. Research Collaborations for two project works of M.Tech. with Department of Biochemical Engineering, HBTU Kanpur, 2014-15.

Patents: 04

1. Published patent for “*A SYSTEM AND METHOD FOR MODIFIED GEOSYNTHETIC CLAY LINER (GCL) USING PEANUT SHELL ASH (PSA)*” as inventors Ms. Sharmila Devi Maurya, Mr. Abhishek Dixit and Dr. Deepesh Singh with application number 202211064524 dated 2.12.2022.
2. Published patent for “*MODIFIED GEOSYNTHETIC CLAY LINER USING THE BLACK COTTON SOIL*” as inventors Mr. Abhishek Dixit, Dr. Deepesh Singh and Dr. Sanjay Kumar Shukla with application number 202211066620 dated 9.12.2022.
3. Published Patent for “*LIGHT TRANSMITTING GEOPOLYMER CONCRETE USING INDUSTRIAL WASTE*” as inventors Mr. Ramansh Bajpai & Dr. Deepesh Singh with application no. 202111000641 dated 07.01.2021.
4. Published Patent for “*AN IMPROVED SINGLE SLOPED SOLAR STILL FOR DESALINATION & DEFLUORIDATION*” as inventors Mr. Krishn Pratap Singh & Dr. Deepesh Singh with application no. 202111006012 dated 12.02.2021.

Books/ Monograph /Chapter: 06

1. Published a chapter titled “Effects of Additives and Treatment on Fly Ash-Based Polymer Composites” in Book “Advancement in Materials, Manufacturing and Energy Engineering, Vol. II”. Published by: Lecture Notes in Mechanical Engineering. Springer, Singapore, ISSN 2195-4364, online ISBN 978-981-16-8341-1. January 2022, pp. 147-153.
[DOI: [10.1007/978-981-16-8341-1_12](https://doi.org/10.1007/978-981-16-8341-1_12)]
2. Published a chapter titled “Evaluation of Groundwater Quality Using Multivariate Analysis: Rae Bareli District, Ganga Basin, Uttar Pradesh” in Book “The Ganga River Basin: A Hydrometeorological Approach”. Published by: *Society of Earth Scientists Series, Springer Nature Switzerland AG*, ISSN 2194-9212, ISBN 978-3-030-60869-9. January 2021, pp. 37-52.
[DOI: [10.1007/978-3-030-60869-9_3](https://doi.org/10.1007/978-3-030-60869-9_3)]
3. Published a chapter titled “Sequential Characterization of Contaminant Plumes Using Feedback Information” in Book “The Ganga River Basin: A Hydrometeorological

Approach”. Published by: *Society of Earth Scientists Series, Springer Nature Switzerland AG*, ISSN 2194-9212, ISBN 978-3-030-60869-9. January 2021, pp. 21-36.

[DOI: [10.1007/978-3-030-60869-9_2](https://doi.org/10.1007/978-3-030-60869-9_2)]

4. Published a chapter titled “A Supervising Grid Model for Identification of Groundwater Pollute” in Book “The Ganga River Basin: A Hydrometeorological Approach”. Published by: *Society of Earth Scientists Series, Springer Nature Switzerland AG*, ISSN 2194-9212, ISBN 978-3-030-60869-9. January 2021, pp. 53-66.

[DOI: [10.1007/978-3-030-60869-9_4](https://doi.org/10.1007/978-3-030-60869-9_4)]

5. Published a chapter titled “Linked Optimization Model for Groundwater Monitoring Network Design” in Book “Urban Hydrology, Watershed Management and Socio-Economic Aspects”. Published by: *Springer International Publishing*, ISBN 978-3-319-40194-2. 2016.

[https://doi.org/10.1007/978-3-319-40195-9_9]

6. Published book in 2015 titled “Groundwater Monitoring Network Design: An Optimal Approach”, Published by Lambert Academic Publishing, Deutschland, Germany, ISBN no. 978-3-659-78092-9.

Reviewed Papers/ Books/ Chapters: 12

1. Reviewed one research paper for Journal of Environmental Monitoring, Springer Nature, January 2023.
2. Reviewed ten research papers for the 27th International conference HYDRO 2022 on Hydraulics, Water Resources and Coastal Engineering (ICHWEC 2022).
3. Reviewed a chapter titled “An approach of ranking of hospitals based on Waste Management Practices by Analytical Hierarchy Process (AHP) Methodology” Proceedings of the National Academy of Sciences, India Section A: Physical Sciences, published by *Springer Nature*, December 2020.
4. Reviewed two chapters of a book on ‘Fluid Mechanics & Hydraulic Machines’ to be published by *Pearson India Education Services Pvt. Ltd*, Noida, April 2019.
5. Reviewed chapter titled “Assessment of Morphometric Change of the River Ganga at Varanasi” for book “Advances in Water Resource Engineering” published by *Springer*, 2018.
6. Reviewed chapter titled “Utilizing SWAT for Surface water discharge Modeling: a case study of a watershed in Ganga basin” for Book “Advances in Water Resources Engineering”, published by *Springer Earth Scientists Series* 2018.
7. Reviewed chapter titled “Effect of Pilot Channel on 3D Dam Breach” for Book “Advances in Water Resources Engineering”, published by *Springer Earth Scientists Series*, 2018.
8. Reviewed book chapter titled “study of suction vs water content of soil of Turamdih area mixed with bentonite and its implication on the liner property of tailing dam: a case study from east Singhbhum Jharkhand, eastern India” for International Conference on Water,

Environment, Energy and Society is being organized jointly by the *Texas A & M University, Texas, USA* and AISECT University, Bhopal, India from March 15 – 18, 2016 in Bhopal, M.P., India March 15-18, 2016.

9. Reviewed book chapter titled “Groundwater Management using Coupled Analytic Element based Transient Groundwater Flow and Optimization Model” for *Springer* book series titled Water Science and Technology Library: Urban Hydrology, Watershed Management & Socio-Economic Aspects January 2016.
10. Reviewed book chapter titled “Uses of dielectric constant reflection coefficients for determination of groundwater using ground-penetrating radar” for World Applied Sciences Journal Published by *International Digital Organization* for Scientific Information IDOSI, 2009.
11. Reviewed book chapter titled “Rubber Dam, An Alternate to Gravity Dams to Mitigate Rehabilitation issues-A case Study” for Book “Advances in Water Resources Engineering “, published by *Springer* Earth Scientists Series.
12. Reviewed book chapter titled “An Approach to Identify Stormwater Harvesting Hotspots for Dehradun, Uttarakhand” for Book “Advances in Water Resources Engineering “, published by *Springer* Earth Scientists Series.

Ph.D. Supervision: 03

S.N	YEAR	AREA OF RESEARCH	STUDENTS	STATUS
1.	2019	Groundwater Modeling	Ms. Rachna Gupta	Pursuing
2.	2020	Geosynthetic Clay Liner	Mr. Abhishek Dixit	Pursuing
3.	2020	Concrete Technology	Ms. Shreya Jadon	Pursuing

M.Tech thesis supervised – 28

S.N	YEAR	TITLE OF PROJECT	STUDENTS
1.	2022	Performance Evaluation of Modified GCL for Reduction of Chromium and Zinc in Leachate using Peanut Shell Ash	Sharmila Devi Maurya
2.	2022	Evaluation of Air Pollution tolerance Index (APTI) and Anticipated Performance Index (API) of Road Side Plant Species in Kanpur City	Anuam Yadav
3.	2021	Assessment of Air Quality in Kanpur city during COVID-19	Kriti Agnihotri
4.	2021	Effect of additives and treatment on fly ash based polymer composites	Sushant Patel
5.	2020	Assessment and Analysis of Noise Pollution Indices due to Heterogeneous Traffic in Kanpur City	Anirudh Mishra

6.	2020	Air Pollution Tolerance Index of Plants Along G.T. Road (National Highway -2), Kanpur City, Uttar Pradesh	Shobhit Bhadauria
7.	2020	Fly Ash Mediated Epoxy Composites	Vigyan Nidhi
8.	2019	GIS based Mapping and ANN Based Modeling of Air Quality Parameters in Kanpur City	Karan Singh
9.	2019	Experimental Analysis of Performance Enhancement of Solar Still and its Application in De- Fluoridation	Krishna Pratap Singh
10.	2019	Partial Replacement of Blast Furnace Slag as Cementitious Binder for Development of Light Transmitting Geopolymer Concrete	Ramansh Bajpai
11.	2019	Analysis and Modeling of Surface Water Quality in Ganga River Basin	Shivam Mishra
12.	2018	An Experimental Investigation of Open Channel Parameters with Rigid Vegetation	Pramendra Kumar
13.	2018	Optimal Scheduling of Pumping Well Discharge to Minimize Contaminant Mass in a Confined Aquifer	Preetu Chandra
14.	2018	Design of Sanitation System for Hospital Waste	Satyendra Kumar
15.	2017	Multivariate statistical analysis for ground water quality assessment of district Raibareli, U.P.	Tahzeeb Zahra
16.	2017	Air quality modeling of pollutant using Regression & Neural network	Trushi Singh
17.	2017	Dynamic ground water monitoring network design for aquifer with varying thickness	Sumit Gnagwar
18.	2016	Modeling of energy content of municipal solid waste at old Kanpur	Peeyush Bansal
19.	2016	Contingent valuation to find environment cost at highway section in Kanpur	Dinesh Kumar
20.	2016	Artificial Intelligence based prediction model for solid waste generation in Kanpur ,U.P.	Toshi Srivastava
21.	2015	Biodiesel production from used vegetable oil & It's characterization	Prashant Kumar Verma
22.	2015	Modeling & optimization of electrocoagulation process for removal of Cr(VI) & TSS from tannery effluent	Sushil Kumar Agrahari
23.	2015	Biodiesel production from fresh & waste Neem oil & it's characterization	Vikas Kumar
24.	2015	Optimal design of air quality monitoring network for multiple pollutants	Abhinav Kumar Gautam
25.	2014	Biodiesel production from neem oil & It's characterization	Vikas Kumar
26.	2013	Study of biodegradable contaminant transport in ground water	Manu Tyagi
27.	2013	Study of non-biodegradable contaminants in aquifer	Ravi Kumar Singh
28.	2013	Groundwater Flow and Transport Modeling of Non-Biodegradable Contaminants with Variable Pumping Rates	Kaushlendra Singh

B. Tech- Project Supervised: 23

<i>S.N</i>	<i>YEAR</i>	<i>TITLE OF PROJECT</i>	<i>STUDENTS</i>
1.	2022	Statistical Analysis and Determination of Water Quality Index	Saloni Mishra Jigyasa Sharma Rhythm Dubey Harsh Verma
2.	2021	Design and Analysis Of (G+26) Building Using Is Code and Staad Pro Inculcating Green Building Concept	Abhinav Tripathi Abhinav Rathore Pranay Mishra Rajat Kumar
3.	2020	Stabilization of Black Cotton Soil using Marble Dust	Shivshankar Maurya Jayant Kumar Beeru Yadav Prince Sharma
4.	2020	Design of Primary School Building	Mayur Mishra Shweta Upadhyay Deepankar Pandey Tanu Prakash
5.	2019	Design of Sewerage System in HBTU Kanpur- East Campus	Ashish Shikhar Sinha Fazal Ali Habib Sandeep Kumar Maurya
6.	2019	Design of Storm Water Drainage System of HBTU- East Campus	Jitendra Mishra Diwas Sharma Sumit Singh Rajat Kumar
7.	2018	Stabilization of Black Cotton Soil using Flyash	Mohd. Shariq Habib Shubham Kumar Agarwal Shivam Patel
8.	2018	Subgrade Soil Stabilization using Waste Material	Devendra Kumar Divyansh Agarwal Vivek Kumar
9.	2017	Modeling of heat & solute transport in ground water	Alok Kumar Singh BhaskarChaoudhary Pratiksha Rajput
10.	2016	Design of tannery effluent treatment plant	Amir Suhail Noor Mohammad Krishna Kumar
11.	2016	Stabilization of black cotton soil with lime	Akansha Seema Singh Amit singh
12.	2015	Study of vehicular speed distribution under mixed traffic condition	Pooja Awasthi Nootan Sharma KuldeepSahu

13.	2015	Analysis of vehicle headway distribution in urban area	Md.Abbas Mirza Abhishek GrimaSachan Naman Agrawal Praveen
14.	2014	Prediction of onset of flood using neural network	BhanuParatap Yadav VishwajeetSouryan Stuti Prakash
15.	2014	Ground water estimation using kriging technique	Saddam Hussain Abhishek Tripathi Jitendra Pradhan
16.	2013	Ground water flow and transport of biodegradable contaminants	Akshat Agrawal Dharmendra Kumar Rajjan Singh Subham Gupta
17.	2012	Ground water flow contaminants transporting modelling	AbhinavSrivastava Kalpna Devi YashodharaBistha Mahesh Pradhan
18.	2011	Augmentation of water supply scheme of Mathura-Vrindavan	Anuj Kumar Mishra Chandrabhanu Singh PrsoonUttam Saunak Bhandari
19.	2011	Design of gates of Ganga barrage	Ankit Agrawal Ankur Dubey Amit Gupta
20.	2010	Design of flyover bridge between Jajmau and Ramadevi	SangeetSachan Rudrapratap Singh Anju Shammi
21.	2010	Ground water flow of contaminants transport modelling of east campus HBTI	Atul Singh Nikash Pradhan PiyushSrivastav
22.	2007	Computer based analysis of water distribution system: A case study	Ajay Sharma Rohan Sonkar Amit Pandey Santosh Vajpayee KashitzPratap Shantanu Dewedi
23.	2008	Safe disposal of sludge (CETP, Jajmau) by landfill technique	Ajay Pal Anand Kumar Deepak Jaisal Prakash Chandr Gupta Vinod Verma

Plenary/Invited Speaker: (22)

1. Delivered a lecture on topic “Basic Scientia of Modern Optimization Techniques” in Faculty Development Program (FDP) ‘Optimization Techniques in Engineering’ organized by Department of Mechanical Engineering, HBTU Kanpur on 04-08 October, 2021.
2. Delivered a lecture on topic “Valuing Water: A Blue gold for Future” at Institution of Engineers, Kanpur center on World Water Day on 22.03.2021.
3. Delivered a lecture on topic "Practical Aspects of Optimization and Non Classical Optimization Techniques" at Faculty Development Programme on "Practical Aspects of Optimization" at Department of Mechanical Engg. , KNIT, Sultanpur on 2nd August 2019.
4. Delivered a Lecture on “Hydrology: Status and Application” as a Guest Lecture at Department of Civil Engineering, Rama University, Kanpur on 20.10.2018.
5. Delivered a Lecture on “Modelling of Groundwater Systems” in Faculty Development Program on “Recent Trends in Civil and Environmental Engineering for Sustainable Development” organized by PSIT, Kanpur, sponsored by Dr. A.P.J. Abdul Kalam Technical University, Lucknow (UP) under TEQIP-III on 8th June 2018.
6. Delivered a Lecture on “Soil: A Natural Construction Material and its Exploration” in All India seminar on Innovations and Challenges in Materials and Construction’ organized by Institution of Engineers (I) Kanpur Local Chapter and Department of Civil Engineering, HBTU Kanpur on 28-29 October, 2017.
7. Delivered a lecture on topic “Landfill Techniques” at a workshop organized by Civil Dept., HBTU, Kanpur on March 30, 2017.
8. Delivered a lecture on “Groundwater Management” at Ashoka Institute of Technology and Management, Varanasi on 21.10.2016.
9. Delivered a lecture on topic "Non Traditional Optimization Techniques: Simulated Annealing" at faculty development programme on "Recent Advances in Numerical and Optimization Techniques" at Department of Civil Engg. , KNIT, Sultanpur on 2nd March 2016.
10. Invited as a guest speaker for delivering a lecture on “CC Road Repair & Maintenance” in the training program on “Construction & Maintenance of CC Roads for Rural Roads” organized by RED & Dept of Civil Engineering, Kanpur on October 28, 2014.
11. Invited as a guest speaker for delivering a lecture on “Soil Stabilization” in the training program on “Construction & Maintenance of CC Roads for Rural Roads” organized by RED & Dept of Civil Engineering, Kanpur on October 29, 2014.
12. Presented a lecture on “Optimization Modeling and Interpolation Techniques” at Prof. P.N. Tandon Memorial week-ends Lecture Series on ‘Modeling and Computing’ organized by Mathematics Dept., HBTI, Kanpur on March 17, 2012.
13. Delivered a lecture on “Groundwater Treatment System: Domestic & Industrial Hazards” at Institute of Research Development & Training, Kanpur on 9.9.2009
14. Delivered a lecture on topic “Groundwater: Face to face with facts” at CED, HBTI Kanpur on June 10, 2009.
15. Delivered a lecture on “Non-traditional optimization techniques” in STTP on ‘Optimization Techniques for Engineers’ organized by Chemical Engg. Dept., HBTI Kanpur on March 25, 2009.

16. Delivered a lecture on topic “Rain water harvesting: A practical option for drought mitigation” at CED, HBTI, Kanpur on March 11, 2009.
17. Invited as a guest speaker for delivering a lecture on “Groundwater: Awareness facts related to agriculture” at CSA, Kanpur on December 18, 2008.
18. Presented a lecture on “Kanpur: Groundwater facts” at Chemistry deptt., HBTI, Kanpur on November 14, 2008.
19. Delivered a lecture on topic “Groundwater facts and monitoring” at IRDT, Kanpur on September 24, 2008.
20. Presented a lecture on “Bhujal Sanrakshan” at an event organized by Soil Conservation dept., CSA Kanpur on June 10, 2008.
21. Delivered a lecture on “Sequential cauterization of contaminant plume” at CED, HBTI Kanpur on April 25, 2008.
22. Delivered a lecture on topic “Groundwater monitoring with optimization techniques” at Institutes of Engineers, Kanpur on April 23, 2008.

Workshop/Conference/STC/ FDP/ Seminar/ Webinar attended: 65

1. Participated in International conference on “Sustainability in chemical processes through Digitalization, Artificial Intelligence and Green Chemistry” held during 27-30 December, 2023 organized by HBTU Kanpur.
2. Participated in one week Faculty Development Program (FDP) “Microbes’ Potential to Bail Out the Energy Crisis” organized by Department of Biochemical Engineering, School of Chemical Technology, HBTU Kanpur during 15-20 December, 2022.
3. Paper presented by M.Tech. scholar Ms. Sharmila Devi Maurya titled “Removal Efficiency of Chromium Contamination using Peanut Shell Ash in Geosynthetic Clay Liner” in International conference on Science, Engineering and Technology (ICSET 2022) organized by R.K. university, India during 18-19 November 2022.
4. Paper presented by M.Tech. scholar Anupam Yadav titled “Assessment of Air Pollution Tolerance Index of Plants in different zones of Kanpur City, Uttar Pradesh” in International conference on Science, Engineering and Technology (ICSET 2022) organized by R.K. university, India during 18-19 November 2022.
5. Paper presented by Ph.D. scholar Abhishek Dixit titled “Effect of expansive soils on swelling behavior of encapsulated sodium bentonite of geosynthetic clay liner (GCL)”, in International Conference on Advances in Smart Materials, Chemical and Biochemical Engineering (CHEMSMART- 22) organized by Department of Chemical Engineering, NIT Raurkela, during 16-18 December 2022.
6. Paper presented by M.Tech. scholar Ms. Sharmila Devi Maurya titled “ Application of peanut shell ash in geosynthetic clay liners (GCLs) to reduce the zinc contamination in leachate ”, in International Conference on Advances in Smart Materials, Chemical and Biochemical Engineering (CHEMSMART- 22) organized by Department of Chemical Engineering, NIT Raurkela, during 16-18 December 2022.
7. Paper presented by M.Tech. scholar Anupam Yadav titled “ Estimation of Air Pollution Tolerance Index of plants in selected location in Kanpur city, India ”, in International Conference on Advances in Smart Materials, Chemical and Biochemical Engineering (CHEMSMART- 22) organized by Department of Chemical Engineering, NIT Raurkela, during 16-18 December 2022.
8. Paper presented by research scholar Ms. Rachana Gupta titled “Quantification of Groundwater Recharge and Pumping from Different Land Uses in Kanpur District (Uttar

- Pradesh), India” in International conference on Advances in Civil Engineering (ICACE 2022) organized by Technology Research and Innovation Centre, India and hosted by LSKBJ College of Engineering, Chanwad, Nashik, India during 20-22 December 2022.
9. Paper presented by research scholar Ms. Rachana Gupta titled “Impact of Urbanization on Groundwater Level in Kanpur City, Uttar Pradesh, India” in International conference on Advances in Civil Engineering (ICACE 2022) organized by Technology Research and Innovation Centre, India and hosted by LSKBJ College of Engineering, Chanwad, Nashik, India during 20-22 December 2022.
 10. Presented a paper “Assessment of Groundwater Quality in the Gangetic Aquifers of Kanpur City” in 18th Annual Session on Chemical Engineering Students Congress- Sustainable Technological Advancements in Chemical Industries (STAC 2022) at NIT Warangal, Sept 23-24, 2022.
 11. Participated in one week online **Short Term Course** on “Recent Advances in Environmental Engineering towards Sustainability” organized by Department of Civil Engineering, NIT Patna, 10th – 14th October, 2022.
 12. Participated and attended in 10 days online **Faculty Development Program (FDP)** on ‘Ground Motion Modeling and Response Computations in Earthquake Engineering’ organized by Department of Civil Engineering, NIT Warangal and Electronics and ICT Academy, sponsored by Ministry of Electronics and Information Technology (MeitY), GOI, 04-13 August, 2022.
 13. Participated in online **Short Term Course** on “Advanced Material for Environmental Sensors” organized by Department of Metallurgy Engineering and Materials Science, IIT Indore, 7th – 12th March, 2022.
 14. Participated and attended in one week **Faculty Development Program (FDP)** on ‘Sustainable Product Design and Manufacturing’ organized by Faculty Development Centre (FDC)- SMVDU under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching of MOE,GOI, Shri Mata Vaishno Devi University, Katra, Jammu, 10-14 January, 2022.
 15. Participated in one day **Webinar** on “Utilization of Agro-Forestry Residue for Production of Biofuels” organized by Department of Biochemical Engineering, HBTU Kanpur on November 20, 2021.
 16. Participated and attended in one week **Faculty Development Program (FDP)** on ‘Frontiers in Bioprocess Technology’ organized by Department of Biochemical Engineering, HBTU Kanpur, 20-24 September, 2021.
 17. Participated in One Week online **Faculty Development Programme (FDP)** on ‘Intelligent Control and its Applications’ organized by Electrical Engineering Department, HBTU Kanpur, 16-20 August 2021.
 18. Participated and presented a paper in online **International Conference** on ‘Computing for Sustainable Development in Civil Engineering’ (ICCSDC- 2021) during 24th -25th June, 2021, organized by Department of Civil Engineering, St. Martin’s Engineering College, Dhulapally, Secunderabad, T.S., India
 19. Participated and presented a paper in online **International Conference** on Advancement in Materials, Manufacturing and Energy Engineering (ICAMME- 2021) during 18th -20th February, 2021, organized by Department of Materials and Metallurgical Engineering in association with Department of Mechanical Engineering & Energy Centre Maulana Azad National Institute of Technology, Bhopal.
 20. Attended online **Webinar** on “Urban Hydrology” by Dr. Vinay Nikam, organized by IWWA Aurangabad Center in association with MIT Aurangabad and DIEMS Aurangabad July 8th, 2020.
 21. Attended and participated IGEN Innovation Consortium Inauguration with **Innovation Talk** on “Innovation in Informal Economy and Institutional Mechanism to Build as

- Inclusive National Innovation System” by Mr. Dipan Kumar Sahu, Assistant Innovation Director, National coordinator- IIC, ARIIA, NISP, MHRD’s innovation cell, June 28, 2020.
22. Attended and participated one week online FDP on “Recent Advances in Civil Engineering” sponsored by TEQIP III organized by Department of Civil & Environmental Engineering, VJTI Mumbai under twinning activity with Engineering College Ajmer, Rajasthan during June 02-07, 2020.
 23. Attended and participated in Webinar on “Introduction to HEC-RAS Software” organized by Department of Civil Engineering, Maharashtra Institute of Technology, Aurangabad (M.S.) on May 31, 2020.
 24. Participated in Webinar on “Integrated Development Environment for IOT Applications” organized by Department of Computer Science and Engineering, Harcourt Butler Technical University, Kanpur on May 26, 2020.
 25. Participated in one day Workshop on “Problem Based and Project Based Learning” organized by State Project Implementation Unit- UP at Lucknow on 22.02.2020.
 26. Participated in one day Workshop on “Gender Sensitization and Women Empowerment” organized by State Project Implementation Unit- UP at Lucknow on 22 Feb 2020.
 27. Attended three days National Conference on “Issues & Challenges in Water Treatment and Allied Research for Sustainable Environment – WATER 2020’, organized by IIT Guwahati during 23-25 January 2020
 28. Attended One Week Faculty Development Program (FDP) on “Applied Groundwater Flow and Contamination Transport Modelling” organized by Dept. of Hydrology, IIT Roorkee, under TEQIP III on 24-28 June 2019.
 29. Attended and Participated Faculty Development Program (FDP) on “Material Synthesis and Advanced Characterization Techniques” organized by Dept. of Chemistry, School of Chemical Technology, HBTU Kanpur, under TEQIP III on 1-4 December 2018.
 30. Attended One Week Faculty Development Program (FDP) on “Methods and Techniques for Enhanced Teaching and Learning in Technical Education” organized by Dept. of Chemical Engineering, School of Chemical Technology, HBTU Kanpur, under TEQIP III on 15-20 October 2018.
 31. Attended five days Faculty Development Program (FDP) on “Mathematical Modeling & Research Methodology” organized by Dept. of Mathematics, School of Basic Sciences, HBTU Kanpur, under TEQIP III on 8-12 October 2018.
 32. Attended two days’ Workshop on “NBA Accreditation Criteria, Process & Execution” organized by SPIU –UP under TEQIP III on 11-12 September 2018.
 33. Attended 5 days’ Workshop “Summer Training Program on Active Learning for Senior Faculty” organized by Knowledge Incubation for TEQIP at IIT Kanpur during 11th June to 15th June 2018.
 34. Organized 2 days’ Workshop on “Outcome Based Accreditation- for Undergraduate Engineering Programs” sponsored by TEQIP III at HBTU organized by HBTU Kanpur and UPTTI Kanpur on 22-23 March, 2018. (Coordinator Prof. P K Kamani)
 35. Attended 2 days’ Workshop on “Outcome Based Accreditation- for Undergraduate Engineering Programs” sponsored by TEQIP III at HBTU organized by HBTU Kanpur and UPTTI Kanpur on 22-23 March, 2018. (Coordinator Prof. P K Kamani)
 36. Attended 5 days’ Workshop on “Academic Process for the Implementation of Outcome Based Education and (OBE)” organized by HBTU, Kanpur & Thiagrajar College of Engineering, Madurai (Mentor Institute) under Twinning Arrangement of TEQIP III, Feb 19-23, 2018, under Dr. Rachna Asthana, Coordinator TEQIP III.
 37. Attended 2 days’ Workshop on “Outcome Based Education and NBA-SAR Preparations” organized by HBTU, Kanpur & Thiagrajar College of Engineering, Madurai (Mentor Institute) under twinning arrangement of TEQIP III, Jan 31st –Feb 1st 2018, for all faculty members of HBTU under Dr. Rachna Asthana, Coordinator TEQIP III.

38. Worked as member program committee in 'All India seminar on Innovations and Challenges in Materials and Construction' organized by Institution of Engineers (I) Kanpur Local Chapter and Department of Civil Engineering, HBTU Kanpur on 28-29 October, 2017.
39. Attended TEQIP II sponsored **Workshop** on "Management Capacity Enhancement Programme Incompliance with NBA and NAAC Accreditation" organized by Department of Electrical Engineering, HBTU Kanpur during 29-31 March, 2017.
40. Attended TEQIP II sponsored **Workshop** on "Effective Pedagogy for Engineering Faculties" organized by Department of Electrical Engineering, HBTU Kanpur during 26-28 March, 2017.
41. Member organizing committee for International Conference on "Modelling of Environmental and Water Resources Systems- ICMEWRS 2017" organized by Department of Civil Engineering, HBTU Kanpur during March 24-26, 2017.
42. Attended TEQIP II sponsored **Workshop** on "Energy Conservation and Energy Audit in Academic Institutions" organized by Department of Chemical Engineering, HBTU Kanpur during 7-9 March, 2017.
43. Attended **TEQIP School** on "Mechanics of Reinforced Polymer Composites" at Knowledge Incubation Centre, Indian Institute of Technology, Kanpur during 22-25 January, 2017.
44. Attended an **International conference ICETCE-16** on "Optimal Design of Air Quality Monitoring Network for multiple pollutant" organized by KNIT, Sultanpur during October 21-22, 2016.
45. Attended 3 days' **workshop** on "Occupational Health and Safety Management Practices" organized by HBTU and Engg. Staff College of India, Hyderabad during October 3-5, 2016.
46. Attended 3 days' **Workshop** on "Intellectual Property Rights (IPR) and Patenting" Organized by HBTI and Engg. Staff College of India, Hyderabad during August 27-29, 2016.
47. Attended International **Wummer Wourse** under GIAN Programme on "Land Use/Land Cover Change Modelling and Prediction" at MNIT –Jaipur, during July 04-08, 2016.
48. Attended **Faculty Development Program (FDP)** on "Quality Management in Engineering Materials" at UP Textile Institute, Kanpur, June 20-25, 2016
49. Attended State Level **Faculty Interaction Seminar**, under the aegis of Department of Technical Education, Government of Uttar Pradesh, sponsored by World Bank TEQIP – II, organized by HBTI Kanpur on 8-9 June 2015.
50. Attended **QIP workshop** on "Statistical Analysis for Engineers -2015" during May 04-08, 2015 organized by Centre for Development of Technical Education & Dept. of mathematics and statistics, IIT Kanpur.
51. Participated in **Faculty Development Programme (FDP)** on "Engineering Education- Opportunities, Challenges & Future Direction" organized by Mechanical Department, 7-12 March, 2014.
52. Participated in **Training Programme** on "Construction & Maintenance of CC Roads for Rural Roads" organized by RED and Civil Engineering Department, 25-29 October, 2014.
53. Participated in **Faculty Development Programme (FDP)** on "Modelling & Simulation & Analysis of Engineering system" organized by CS department, HBTI, Kanpur, 2013
54. Attended a two days **TEQIP Conclave** of Educators on "Quality of Delivered Academics in Mathematical Sciences" jointly organized by NPIU and IIT Kanpur, 23-24 December 2012.
55. Attended a **Lecture** on "Modelling & Computing" organized by department of mathematics, HBTI, 2012.
56. Attended a **Workshop** on "U.P. Groundwater Conservation, Protection and Development Bill 2010" on 19.08.2010 at Tilak Hall, GautamBudh Technical University, Lucknow.

57. Attended a **Course** on “Road maintenance & Safety” held at IIT, Guhawati in 2010.
58. Organized a **Workshop** as co-conveners of Disaster Management & Mitigation workshop, 2009.
59. Attended **STTP** on “optimization technique for engineering” organized by HBTI, Kanpur, 2009.
60. Attended a **Short Term Course** under QIP named “Modern Construction Project Management” Organized by Civil Department, IIT, Kanpur, 2008.
61. Attended a **Workshop** on “Modern Analytical Techniques for Research & Industry” organized by HBTI, Kanpur, 2008.
62. Attended a **Short Term Course** on “GPS & GIS technology” in IIT, Roorkee July 2008.
63. Participated in **National Conference** on “Hydraulics & Water Resources” held at Visvesvaraya NIT, Nagpur, 2004.
64. Attended a **Short Term Training Programme** on “Intellectual Property Rights and Patent Information” organized by National Institute of Technical Teachers’ Training and Research, 27 September 2010 to 01 October 2010. At HBTI Kanpur
65. Organized **National Conference** on “Advances in Civil Engineering: Perspective of developing countries” in HBTI, 2003.

Academic & Administrative Responsibilities: (126)

1. Appointed as member for document verification of M.Tech. admissions, 04.09.2023
2. Appointed as member in Deeksotsav committee for Fifth convocation on 29th September 2023, 23.8.2023
3. Appointed as member secretary in discipline and student management committee for Fifth convocation on 29th September 2023, 23.8.2023
4. Appointed as member in Uttariy , Safa, Sadri, Maan Patra, Folder and Award/ Medal purchase committee for Fifth convocation on 29th September 2023, 23.8.2023
5. Appointed as member for identification of programs for Reformative/ Counselling/ Membership, 27.7.2023
6. Appointed as member for document verification and interview for PhD admissions, 25.7.2023
7. Appointed as member for document verification of M.Tech. admissions, 20.7.2023
8. Appointed as member for estimation of capacity of electrical lines for air conditioners load 206.2023.
9. Appointed as convener Physical Verification committee for Oil and Paint technology departments, 4.3.2023.
10. Appointed as Vice Chancellor nominee for Departmental Purchase Committee for central workshop, 09.02.2023
11. Appointed as member Cyber Health Awareness committee, 12.12.2022.
12. Appointed as member in Deekshotsav committee in 4th Convocation of HBTU, 3.10.2022
13. Appointed as member in Discipline committee in 4th Convocation of HBTU, 3.10.2022
14. Appointed as member in Uttariy, Safa committee in 4th Convocation of HBTU, 3.10.2022
15. Appointed as member anti ragging committee of university. 28.10.2022.
16. Appointed as member for Document Verification for Ist year BTech counselling 2022-23 by Academic Section. 01.10.2022

17. Member in the Interview committee for PhD admission in Civil Engineering Department held on 22.8.2022, 17.8.2022
18. Appointed Coordinator, RUSA (funded by central government), 14.6.22
19. Nominated as Member- Secretary for the committee of hostel allotment during summer vacation 27.5.2022
20. Member in the interview committee for Ph.D. students of winter session Department of Civil Engineering, 2.2.2022.
21. Member in the committee for the promotion of Class II staff of the university, 17.12.2021
22. Special invitee for the Admission Committee meeting on 13.12.2021, 9.12.2021
23. Worked as coordinator for Induction Program for I year student in the session 2021-22, 06.12.2021
24. Appointed as member in Document Verification committee for I M.Tech. (Non-Gate) new admission 2021-22, 25/26.10.2021
25. Appointed as *Associate Dean Student Welfare*, 23.10.2021
26. Appointed as member for purchase committee for procurement of necessary items of the maintenance related works, 16.9.2021
27. Nominated to open the Technical Bid of E Tenders for various renovation works in the University, 01.09.2021
28. Appointed as member of Intellectual Property Rights Cell of HBTU, 19.08.2021
29. Appointed as member of construction committee for photography, videography & gate banner/ backdrop in centenary year, 16.7.2021
30. Appointed as member of planning committee for East-West campus corridor in centenary year, 16.7.2021
31. Appointed as member of construction committee for Centenary Gate and Centenary Pillar, 16.7.2021
32. Appointed as member of construction committee for Centenary Gate and Centenary Pillar, 16.7.2021
33. Appointed as convener of the stock verification committee of OT/PT department, 16.7.2021
34. Successfully organized 2nd Convocation 2021 at HBTU Kanpur.
35. **Nodal Officer** for PMSSS admission through AICTE.
36. Member, committee for Internal Sliding & Offline Counselling against vacant seats in B.Tech. program, 17.12.2020.
37. Member, admission committee for Govt. nominee candidates by MHRD, 16.12.2020
38. Appointed as university Coordinator, AISHE 'All India Survey on Higher Education', New Delhi, 15.07.2020
39. Member, committee for uniformity in degrees of Chemical Technology Departments, 22.06.2020.
40. Member, committee for class room management, time table, online course completion for even semester 2019-20 during Covid- 19 pandemic condition. 19.05.2020
41. Appointed as *Associate Dean, Academic Affairs*, 14.01.2020
42. Member, committee for opening Technical & Financial Bid for the tender 'Sanitation & Horticulture Services', 03.12.2019
43. Member, Scholarship recommendation committee for other backward class students, 04.10.2019
44. Member, Committee for electrical items to be auctioned in Electrical Maintenance Store.
45. Member Secretary, Photography, Videography, Gate Banner, Backdrop Committee, Convocation- 2019, 01.10.2019

46. Member Secretary, Pandal Arrangement Committee, Convocation- 2019, 01.10.2019
47. Appointed as *Associate Dean, Continuing Education & Quality Assurance*, 01.10.2019
48. Member, Estimation/ Quality/ OK report committee for rental items for forthcoming convocation 2019, 01.10.2019
49. Member, enquiry committee for central workshop store, 26.8.2019
50. Worked as member, Spot Counselling Ist year BTech MCA on 5th August, 2019, 03.08.2019
51. Worked as departmental faculty representative for registration of First Year students for session 2019-20, 27.7.2019
52. Appointed as Member, Green Club/ Sustainability Cell of the University, 17th July, 2019
53. Worked as Convener Physical Verification Committee for Oil Techn. & Paint Technology Department for the session 2019-20. 19.6.2019
54. Appointed as *Dy. Coordinator for NBA Accreditation* on 19.6.2019
55. Appointed as *Dy.Coordinator for UGC* experts visit to consider proposal for 12-B status on 9.5.2019
56. Appointed as *Dy. Coordinator for NBA -2019* HBTU on 18.6.2019
57. Member, Pandal arrangement and services for Uththaan a Startup Nirmaan on 16.11.2018
58. Member, supervision committee for Adhyaay 2018 on 26.10.2018
59. Invited member for RDC for PhD students on 13.9.2018.
60. Member, Bhoomi Poojan arrangement committee on 01.09.2018.
61. Member, Document Verification committee for Spot Counselling 2018-19, on 08.08.2018.
62. Member, Document Verification committee for BTech/ MCA Spot Counselling 2018-19, on 02.08.2018.
63. Faculty Incharge, Registration BTech & MCA Students on 28.07.2018.
64. Member Anti Ragging committee for zone-2 on 28.07.2018
65. Member, third round counselling 2018-19 on 26.7.2018.
66. Member, Selection committee for Ph.D. scholars on 14.7.2018.
67. Member, Selection committee for M.Tech. (PT/FT) students on 14.7.2018.
68. Member, Selection committee for M.Tech. (Gate) students on 6.7.2018.
69. Member, Justification committee for revised estimate of 400 seated hostel on 5.7.2018.
70. Member, Physical Verification committee for common items and for TEQIP cell on 9.6.2018
71. Member, Induction Training Program on 19.9.2017
72. Appointed as subject expert for interview of Research Scholars in Dept. of Civil Engineering on 16.09.2017.
73. Faculty Incharge, Registration HBTU MTech Civil Engineering Students on 08.08.2017.
74. Member Anti Ragging committee for zone-2 on 05.08.2017
75. Member, Departmental Purchase Committee on 03.08.2017
76. Appointed as member quality inspection for the furniture purchased for Govt. Engineering College, Mainpuri and Kannauj on 18.2.2017
77. Appointed as member for furniture requirement committee at institute level on 31.1.2017.
78. Member as subject expert in Civil Engineering Department by Controller of Examination on 19.01.2017
79. Appointed as department Faculty Incharge Placement-CED on 11.1.2017

80. Member, committee Pamphlet for the school of Engineering on 07.01.2017
81. Appointed as a member of Accommodation & Transportation Committee for International Alumni meet-2017.
82. Appointed as member Other Backward Class scholarship recommendation committee for Govt. Engineering College, Mainpuri and Kannauj on 29.9.2016
83. Faculty Incharge, Registration HBTU MTech Civil Engineering Students on 09.08.2016.
84. Faculty Incharge, Registration HBTU Civil Engineering Students on 06.08.2016
85. Appointed as Convener, Personality Development Club of Student Activity Centre on 01.08.2016.
86. Appointed as member secretary for Information Broucher printing for session 2015-16
87. Worked as Nodal officer scholarship 2015-16
88. Member, Promotion committee for class III (Technical group) on 22.12.2015
89. Appointed as Dy. Nodal Officer Govt. Engineering College, Kannauj on 13.7.2015
90. Appointed as warden WCH III hostel on 11.6.2015
91. Member, Salary increment committee for contractual employee on 23.3.2015
92. Worked as Assistant Dean of Academic Affairs 2015-16 on 09.09.2014.
93. **Faculty Incharge**, Registration Civil Engineering Students **DR. BRAECIT, Bijnore** on 13.08.2013
94. Faculty Incharge, Registration HBTU Civil Engineering Students on 06.08.2013
95. Member Anti Ragging committee for zone-2 on 29.07.2013
96. Appointed as a deputy warden & warden of boys hostel 2012-13.
97. Member, Accommodation and Transportation Committee for International Alumni Meet on 25.11.2012
98. Faculty Incharge, Registration HBTU M.Tech. Students on 05.10.2012
99. Member, Monitoring committee for quality of maintenance work on 6.6.2012
100. Warden of WCH-III hostel on 24.5.2012
101. Faculty Incharge, Registration HBTU Civil Engineering Students on 19.08.2011
102. Member, damaged doors evaluation committee on 16.3.2011
103. Member, Accomodation and Transportation Committee for International Alumni Meet on 28.11.2010
104. Member, Disciplinary committee for Convocation on 25.11.2010
105. Member, Degree distribution committee for Convocation on 16.3.2010
106. Appointed for Counselling duty in UPTU SEE-2010
107. Member, Quality Inspection Committee for Foundations of Generator Sets at Hostels, 03.10.2009
108. Appointed as **Member, Proctorial Board** on 3.7.2009
109. Appointed for Counselling duty in UPTU SEE-2009
110. Appointed as a member of Accommodation & Transportation Committee for International Alumni meet-2009.
111. Faculty Incharge, Registration for Hostel Allotment on 12.9.2008
112. Member Orientation Committee for First Year Students on 7.8.2008
113. Appointed for Counselling duty in UPTU SEE-2008
114. Appointed as a deputy warden & warden of boys hostel in 2007-08.
115. Member of Tender Evaluation committee on 9.8.2007
116. Warden of WCH-II hostel on 21.7.2007
117. Appointed as Coordinator for 2ndHarcourtian's meet -2006
118. Appointed as Nodal Officer, for State Entrance Examination- 2005
119. Member of Quality Inspection Committee for many ongoing works under Civil Maintenance.

120. Incharge Departmental Time Table committee for HBTU
121. Incharge Departmental Time Table committee for Dr. BRAECIT
122. Assistant superintendent of examinations, HBTI Kanpur
123. **Assistant Centre Superintendent** of examinations, UPTU Lucknow
124. Worked as **Convener, Counsel of Student Activities.**
125. Worked as **Deputy Chief Proctor.**
126. Working as Departmental Coordinator for TEQIP III.

Honours/Awards/ Recognitions: (58)

1. Appointed as member of the Interview Selection Committee for Guest Faculty in Department of Civil Engineering at KNIT Sultanpur, 10.8.23.
2. Appointed as a member of enquiry committee for II MBA student Mr. Prakhar Gupta, 7.7.2023
3. Appointed as member No Dues fixation committee of Late Shri R P Singh, 26.11.2022.
4. Appointed as member Document Verification committee in Spot Counselling 2022, 26.11.2022.
5. Appointed as External Examiner for MTech Viva Voce examination at Department of Civil Engineering, KNIT Sultanpur, 26.11.2022.
6. Appointed as External expert for purchase of lab equipment and furniture for REC Sonbhadra under DMF fund. 2.11.2022
7. Appointed as Expert/ Member for selection of Guest Faculty for College of Agricultural Engineering & Technology, Etawah on 30th July 2022 at CSA Kanpur.
8. Worked as **Reviewer (Civil Engineering)** in the online National Conference on 'Documenting Innovation and Creativity in Engineering (DICE- 2021)', organized by PSIT College of Engineering, Kanpur, Sponsored by AICTE, 25-26 September 2021
9. Appointed as member for document verification and interview committee for PhD admission in Civil Engineering Department, 8.9.2021
10. Appointed as an External Examiner for second year BTech laboratory online exam at IET Lucknow 28.08.2021.
11. Appointed as an online External Examiner for Final year BTech project at BIET Jhansi, 14.08.2021
12. Worked as a **Reviewer** in conference "Documenting Innovation and creativity in Engineering (DICE)", organized by Department of Civil Engineering, PSIT College of Engineering, Kanpur, 25-26 September 2021.
13. Published a **blog** on career opportunities for engineering graduates on website of www.ixambee.com
14. Special invitee in meeting of ERP system upgradation on 30.03.2021.
15. External Examiner for MTech viva- voce at KNIT Sultanpur, 08.12.2020
16. Invited as Special Invitee for meeting of Board of Examination 14.09.2020.
17. Invited as Special Invitee for meeting of Admission Committee 2020-21 on 14.09.2020.
18. Honoured as **Keynote speaker** in a National E- Conference "Recent Trends in Concrete Construction" (NECRAST 2020) organized by Dr. Akhilesh Das Gupta Institute of Technology & Management, New Delhi, held on 27-28 July, 2020.
19. Honoured as **Session Chair** in a National E- Conference "Recent Trends in Concrete Construction" (NECRAST 2020) organized by Dr. Akhilesh Das Gupta Institute of Technology & Management, New Delhi, held on 27-28 July, 2020.
20. Secured **2nd position in Oral Presentation** at National Conference on 'Issues & Challenges in Water Treatment and Allied Research for Sustainable Environment – WATER 2020', organized by Centre for the Environment, IIT Guwahati during 23-25 January 2020'

21. Organised a lecture of Prof. S. G. Dhande, Chief Guest, Convocation -2019, on 6.12.2019
22. Appointed as Member, Induction Programme session 2019-20, date 11.07.2019
23. Worked as paper setter for BTech in Civil Engineering for Rama University, Kanpur 2019
24. Honoured as Subject Expert for interview panel of faculty selection committee at Maharana Pratap Engineering College, Kanpur January 2019.
25. Honoured as **Guest of Honour** in National Seminar on Environmental Impact of Sustainable Development organized by Dept. of Civil Engineering at Dr. VirendraSwarup Group of Institutions, Unnao on 8th September, 2018.
26. External Examiner for M.Tech. Viva-Voce Examination at KNIT Sultanpur on 29.08.2018.
27. Appointed **Deputy Convener RUSA (Government of India) and Pt. Deen Dayal Upadhyay Scheme (AKTU)** at HBTU Kanpur 2018 on 25.5.2018.
28. External Examiner for B.Tech. Examination at KNIT Sultanpur on 10.05.2018.
29. Special Invitee for HBTU Academic Council meeting on 4.4.2018.
30. Dy. Coordinator for TEQIP III sponsored workshop on “Outcome Based Accreditation- for Undergraduate Engineering Programs” at HBTU organized by HBTU Kanpur and UPTTI Kanpur on 22-23 March, 2018.
31. Member, Physical verification committee, for items purchased under TEQIP III cell and other items 2018.
32. External Examiner for B.Tech. Examination at KNIT Sultanpur on 12.10.2017.
33. Appointed as State Co-ordinator/ **Dy Director RUSA** scheme of Min. of Human Resource and Development on 26.4.2016 to Oct, 2017.
34. Honoured as **Key note speaker** in International Conference on Recent Trends in Civil Engineering and Water Resources Engineering, RTCWRE-2017 at H.M. Institute of Technology & Science, Hyderabad, 10-11 August, 2017.
35. **Young Scientist Award** to student Mr. Sumit Gangwar under the supervision for International Conference RTCWRE-2017 at HM Institute of Technology & Science, Hyderabad on Aug, 2017
36. External Examiner for M.Tech. Viva-Voce Examination at KNIT Sultanpur on 13.07.2017.
37. External Examiner for B.Tech. Examination at KNIT Sultanpur on 17.05.2017.
38. Counselling member for HBTU admissions in 2017-18.
39. External Examiner for M.Tech. Viva-Voce Examination at KNIT Sultanpur on 19.11.2016.
40. Worked as a member of steering committee in WALMI, Lucknow, 2016.
41. Special Invitee as Assistant Dean Academics regarding visit of expert committee of UGC on 07.09.2015.
42. **Certificate of Appreciation** for working as Member Program Committee for State Level Faculty Interaction Seminar, under the aegis of Department of Technical Education, Government of Uttar Pradesh, Sponsored by World Bank TEQIP –II, organized by HBTU Kanpur on 8-9 June 2015.
43. **Editorial Board advisor** in “Vira International Journal of Engineering and Management”, January 2014.
44. **Expert for selection committee** for Rama Group of Institution, Kanpur on 8.07.2012.
45. **Expert for selection committee** for Allenhouse Institute of Technology, Rooma, Kanpur on 6.07.2011.
46. External Examiner for B.Tech. Examination at KNIT Sultanpur on 11.01.2011.
47. Worked as **Secretary of HBTI Teachers’ Association** in 2010-11.
48. Invited as **Proctor member** for anti-ragging eradication on 28.7.2010.
49. Invited guest for APGCE, U.P. (Association of Professional Graduate Civil Engineers, Kanpur Chapter) on 28.3.2010.
50. Invitee for bill brought by U.P. Govt. - “The Uttar Pradesh Ground Water Conservation, Protection & Development bill-2010”

51. Appointed as observer for conducting State Entrance Examination at Invertis Institute of Management Studies on 23.4.2006
52. Appointed by U.P. Govt. as member of steering committee for developing course curriculum for Water and Land Management Institute.
53. External Examiner for Six M.Tech. Theses at Dept of Civil Engineering, KNIT Sultanpur.
54. **Panel Speaker** for Ganga Jagran Forum, Kanpur
55. **Member of State Technical Agency (STA)** for U.P. projects under Pradhan Mantri Gramin Sadak Yojana(PMGSY)
56. Worked as **Project Officer** for State Govt. Engineering College, REC, at Kannauj (U.P.).
57. Worked as External Examiner ESE of Engg, Graphics at SRMS CET Bareilly appointed by UPTU on 27.01.2005.
58. Worked as External Examiner ESE of Engg, Graphics at Indraprasth Engineering College, Sahibabad, Ghaziabad appointed by UPTU on 10.01.2005.

Services to Society: (05)

1. Working as **Treasurer** in Management Committee Jugaldevi Saraswati Shishu Mandir Deen Dayal Nagar Kanpur under Bhartiya Shiksha Samiti Kanpur Prant. 14.12.2019
2. Delivered a Web- lecture as **guest speaker** on “Groundwater Hydrology, it’s Monitoring and Modeling” in national webinar on “Recent Advances in Civil Engineering” organized by Dept. of Civil Engineering, Rajkiya Engineering College, Kannauj on May 30th, 2020
3. Delivered a **Lecture** on “Water Conservation” in Jagran Gosthi, organized by Dainik Jagran, Kanpur on 25.4.2016
4. Delivered a **guest lecture** on “Indian Roads: Historical Developments and Introduction to Repair and Maintenance” at Vision Institute of Technology, Kanpur on 3.3.2020
5. Invited as **Expert Speaker** in “Jagran Vimarsh” on ‘Water Conservation’ on 23rd July, 2019.

(Dr. Deepesh Singh)

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