

Resume of Deepesh Singh

12.03.2021



Name : Deepesh Singh
Nationality : Indian
Date of Birth : 16.11.1977
Official Address : Department of Civil Engineering,
Harcourt Butler Technical University, Kanpur- 208002
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Present Designation : Assistant Professor

Professional Experience:

July 2001-June 2002	Guest Lecturer
February 2003-December 2005	Lecturer
January 2006-till date	Assistant Professor

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% (U.P. Board)	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:

1. Groundwater monitoring network design
2. Groundwater contamination flow & Transport modeling
3. Non classical optimization technique
4. Air- Noise Pollution
5. Artificial neural networks
6. Monsoon forecasting models

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 – 04

1. 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]
2. 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.
3. 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, EID: 2-s2.0-84905682497]
4. 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 – 03

1. 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.
2. 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]

3. Chandra, P., Bajpai, R., **Singh, D.**, (2019). “Long Term Management Plan for Pollutant Mass Reduction by Variable Withdrawl 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 – 31

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
 7. 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.
 8. 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.
 9. 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.
 10. 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.
 11. 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.
 12. 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.
 13. 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.
 14. 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.
 15. 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.
16. 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.
 17. 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 Engineering & Technology and IEEE- UP Section, Published by Int Jr of Engineering Science & Advance Research (ISSN No. 2395-0730) Vol 4, Issue 1, 2018.
 18. 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.
 19. 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.
 20. 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.
 21. 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.
 22. 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.
 23. 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.
 24. 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.
25. 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.
 26. 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.
 27. 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.
 28. **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 September, 2012 (in CD).
 29. **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).
 30. **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).
 31. **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.

National Conference – 13

1. 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 Dept of Chemical Engineering, NIT Raipur during 13-14 February, 2020, pp. 25.
2. 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.
3. 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.
4. 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.
 5. 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.
 6. 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
 7. **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.
 8. 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.
 9. 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.
 10. **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.
 11. **Singh, D.**, Maurya, A.K. (2004). "Application of cellular automata in hydrology", in proceeding of National Conference on HYDRO-2004, pg. 319-323.
 12. **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.
 13. **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.

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: 02

1. Published Patent for “*LIGHT TRANSMITTING GEOPOLYMER CONCRETE USING INDUSTRIAL WASTE*” in the name of Mr. Ramansh Bajpai & Dr. Deepesh Singh with application no. 202111000641 dated 07.01.2021
2. Published Patent for “*AN IMPROVED SINGLE SLOPED SOLAR STILL FOR DESALINATION & DEFLUORIDATION*” in the name of Mr. Krishn Pratap Singh & Dr. Deepesh Singh with application no. 202111006012 dated 12.02.2021

Books/ Monograph /Chapter: 05

1. 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)]
2. 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)]

3. 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)]

4. 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]

5. 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: 10

1. 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.
2. Reviewed two chapters of a book on ‘Fluid Mechanics & Hydraulic Machines’ to be published by *Pearson India Education Services* Pvt. Ltd, Noida, April 2019.
3. Reviewed chapter titled “Assessment of Morphometric Change of the River Ganga at Varanasi” for book “Advances in Water Resource Engineering” published by *Springer*, 2018.
4. 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.
5. 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.

6. 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.
7. 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.
8. 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.
9. 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.
10. 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	Rachna Gupta	Pursuing
2	2020	Geosynthetic Clay Liner	Abhishek Dixit	Pursuing
3	2020	Concrete Technology	Shreya Jadon	Pursuing

M.Tech thesis supervised – 25

S.N	YEAR	TITLE OF PROJECT	STUDENTS
1.			
2.	2020	Assessment and Analysis of Noise Pollution Indices due to Heterogeneous Traffic in Kanpur City	Anirudh Mishra
3.	2020	Air Pollution Tolerance Index of Plants Along G.T. Road (National Highway -2), Kanpur City, Uttar Pradesh	Shobhit Bhadauria
4.	2020	Fly Ash Mediated Epoxy Composites	Vigyan Nidhi
5.	2019	GIS based Mapping and ANN Based Modeling of Air Quality Parameters in Kanpur City	Karan Singh
6.	2019	Experimental Analysis of Performance Enhancement of Solar Still and its Application in De- Fluoridation	Krishna Pratap Singh
7.	2019	Partial Replacement of Blast Furnace Slag as Cementitious Binder for Development of Light Transmitting Geopolymer Concrete	Ramansh Bajpai
8.	2019	Analysis and Modeling of Surface Water Quality in Ganga River Basin	Shivam Mishra
9.	2018	An Experimental Investigation of Open Channel Parameters with Rigid Vegetation	Pramendra Kumar
10.	2018	Optimal Scheduling of Pumping Well Discharge to Minimize Contaminant Mass in a Confined Aquifer	Preetu Chandra
11.	2018	Design of Sanitation System for Hospital Waste	Satyendra Kumar
12.	2017	Multivariate statistical analysis for ground water quality assessment of district Raibareli, U.P.	Tahzeeb Zahra
13.	2017	Air quality modeling of pollutant using Regression & Neural network	Trushi Singh
14.	2017	Dynamic ground water monitoring network design for aquifer with varying thickness	SumitGnagwar
15.	2016	Modeling of energy content of municipal solid waste at old Kanpur	Peeyush Bansal
16.	2016	Contingent valuation to find environment cost at highway section in Kanpur	Dinesh Kumar
17.	2016	Artificial Intelligence based prediction model for solid waste generation in Kanpur ,U.P.	Toshi Srivastava
18.	2015	Biodiesel production from used vegetable oil & It's characterization	Prashant Kumar Verma
19.	2015	Modeling & optimization of electrocoagulation process for removal of Cr(VI) & TSS from tannery effluent	Sushil Kumar Agrahari
20.	2015	Biodiesel production from fresh & waste Neem oil & it's characterization	Vikas Kumar
21.	2015	Optimal design of air quality monitoring network for multiple pollutants	Abhinav Kumar Gautam
22.	2014	Biodiesel production from neem oil & It's characterization	Vikas Kumar
23.	2013	Study of biodegradable contaminant transport in ground water	Manu Tyagi
24.	2013	Study of non-biodegradable contaminants in aquifer	Ravi Kumar Singh
25.	2013	Groundwater Flow and Transport Modeling of Non-Biodegradable Contaminants with Variable Pumping Rates	Kaushlendra Singh

B. Tech- Project Supervised: 22

<i>S.N</i>	<i>YEAR</i>	<i>TITLE OF PROJECT</i>	<i>STUDENTS</i>
1.			
2.	2020	Stabilization of Black Cotton Soil using Marble Dust	Shivshankar Maurya Jayant Kumar Beeru Yadav Prince Sharma
3.	2020	Design of Primary School Building	Mayur Mishra Shweta Upadhyay Deepankar Pandey Tanu Prakash
4.	2019	Design of Sewerage System in HBTU Kanpur- East Campus	Ashish Shikhar Sinha Fazal Ali Habib Sandeep Kumar Maurya
5.	2019	Design of Storm Water Drainage System of HBTU- East Campus	Jitendra Mishra Diwas Sharma Sumit Singh Rajat Kumar
6.	2018	Stabilization of Black Cotton Soil using Flyash	Mohd. Shariq Habib Shubham Kumar Agarwal Shivam Patel
7.	2018	Subgrade Soil Stabilization using Waste Material	Devendra Kumar Divyansh Agarwal Vivek Kumar
8.	2017	Modeling of heat & solute transport in ground water	Alok Kumar Singh BhaskarChaoudhary Pratiksha Rajput
9.	2016	Design of tannery effluent treatment plant	Amir Suhail Noor Mohammad Krishna Kumar
10.	2016	Stabilization of black cotton soil with lime	Akansha Seema Singh Amit singh
11.	2015	Study of vehicular speed distribution under mixed traffic condition	Pooja Awasthi Nootan Sharma KuldeepSahu
12.	2015	Analysis of vehicle headway distribution in urban area	Md.Abbas Mirza Abhishek GrimaSachan Naman Agrawal Praveen

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

Plenary/Invited Speaker: (18)

1. 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.
2. Delivered a Lecture on "Hydrology: Status and Application" as a Guest Lecture at Department of Civil Engineering, Rama University, Kanpur on 20.10.2018.
3. 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.
4. 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.
5. Delivered a lecture on topic "Landfill Techniques" at a workshop organized by Civil Dept., HBTU, Kanpur on March 30, 2017.
6. Delivered a lecture on "Groundwater Management" at Ashoka Institute of Technology and Management, Varanasi on 21.10.2016.
7. 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.
8. Invited as a guest speaker for delivering a lecture on "Cement Concrete Construction & Maintenance" at RED, Lucknow on October 12, 2014.
9. Presented a detailed note on "Optimization Modeling and Interpolation Techniques" at Mathematics Dept., HBTI, Kanpur on March 17, 2012.
10. Delivered a lecture on "Groundwater Treatment System: Domestic & Industrial Hazards" at Institute of Research Development & Training, Kanpur on 9.9.2009
11. Delivered a lecture on topic "Groundwater: Face to face with facts" at CED, HBTI Kanpur on June 10, 2009.
12. Delivered a lecture on "Non-traditional optimization techniques" at Chemical Engg. Dept., HBTI Kanpur on March 25, 2009.
13. Delivered a lecture on topic "Rain water harvesting: A practical option for drought mitigation" at CED, HBTI, Kanpur on March 11, 2009.
14. Invited as a guest speaker for delivering a lecture on "Groundwater: Awareness facts related to agriculture" at CSA, Kanpur on December 18, 2008.
15. Presented a lecture on "Kanpur: Groundwater facts" at Chemistry deptt., HBTI, Kanpur on November 14, 2008.
16. Delivered a lecture on topic "Groundwater facts and monitoring" at IRDT, Kanpur on September 24, 2008.
17. Presented a lecture on "Bhujal Sanrakshan" at an event organized by Soil Conservation dept., CSA Kanpur on June 10, 2008.
18. Delivered a lecture on "Sequential cauterization of contaminant plume" at CED, HBTI Kanpur on April 25, 2008.

19. Delivered a lecture on topic “Groundwater monitoring with optimization techniques” at Institutes of Engineers, Kanpur on April 23, 2008.

Workshop/Conference/ Seminar/ Webinar attended: 46

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. Participated in one day Workshop on “Gender Sensitization and Women Empowerment” organized by State Project Implementation Unit- UP at Lucknow on 22 Feb 2020.
9. 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
10. Attended One Week Faculty Development Program on “Applied Groundwater Flow and Contamination Transport Modelling” organized by Dept. of Hydrology, IIT Roorkee, under TEQIP III on 24-28 June 2019.
11. Attended and Participated Faculty Development Program 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.
12. Attended One Week Faculty Development Program 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.

13. Attended five days Faculty Development Program on “Mathematical Modeling & Research Methodology” organized by Dept. of Mathematics, School of Basic Sciences, HBTU Kanpur, under TEQIP III on 8-12 October 2018.
14. Attended two days’ workshop on “NBA Accreditation Criteria, Process & Execution” organized by SPIU –UP under TEQIP III on 11-12 September 2018.
15. 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.
16. 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)
17. 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)
18. 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.
19. 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.
20. 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.
21. 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.
22. Attended TEQIP II sponsored workshop on “Effective Pedagogy for Engineering Faculties” organized by Department of Electrical Engineering, HBTU Kanpur during 26-28 March, 2017.
23. 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.
24. 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.
25. Attended TEQIP School on “Mechanics of Reinforced Polymer Composites” at Knowledge Incubation Centre, Indian Institute of Technology, Kanpur during 22-25 January, 2017.
26. 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.
27. 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.

28. 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.
29. Attended International summer course under GIAN Programme on "Land Use/Land Cover Change Modelling and Prediction" at MNIT –Jaipur, during July 04-08, 2016.
30. Attended Faculty Development Program on "Quality Management in Engineering Materials" at UP Textile Institute, Kanpur, June 20-25, 2016
31. 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.
32. 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.
33. Participated in Faculty Development Programme on "Engineering Education- Opportunities, Challenges & Future Direction" organized by Mechanical Department, 2014.
34. Participated in Faculty Development Programme on "Modelling & Simulation & Analysis of Engineering system" organized by CS department, HBTI, Kanpur, 2013
35. 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.
36. Attended a lecture on "Modelling & Computing" organized by department of mathematics, HBTI, 2012.
37. Attended a workshop on "U.P. Groundwater Conservation, Protection and Development Bill 2010" on 19.08.2010 at Tilak Hall, GautamBudh Technical University, Lucknow.
38. Attended a course on "Road maintenance & Safety" held at IIT, Guhawati in 2010.
39. Organized a workshop as a co-conveners of Disaster Management & Mitigation workshop, 2009.
40. Attended STTP on "optimization technique for engineering" organized by HBTI, Kanpur, 2009.
41. Attended a short term course under QIP named "Modern Construction Project Management" Organized by Civil Department, IIT, Kanpur, 2008.
42. Attended a workshop on "Modern Analytical Techniques for Research & Industry" organized by HBTI, Kanpur, 2008.
43. Attended a short term course on "GPS & GIS technology" in IIT, Roorkee July 2008.
44. Participated in National Conference on "Hydraulics & Water Resources" held at Visvesvaraya NIT, Nagpur, 2004.
45. 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 2004. At HBTI Kanpur
46. Organized National Conference on "Advances in Civil Engineering: Perspective of developing countries" in HBTI, 2003.

Academic & Administrative Responsibilities: (94)

1. Successfully organized 2nd Convocation 2021 at HBTU Kanpur.
- 2.
3. Nodal Officer for PMSSS admission through AICTE.
4. Member, committee for Internal Sliding & Offline Counselling against vacant seats in BTech program, 17.12.2020.
5. Member, admission committee for Govt. nominee candidates by MHRD, 16.12.2020
6. Appointed as university Coordinator, AISHE 'All India Survey on Higher Education', New Delhi, 15.07.2020
7. Member, committee for uniformity in degrees of Chemical Technology Departments, 22.06.2020.
8. Member, committee for class room management, time table, online course completion for even semester 2019-20 during Covid 19 pandemic condition. 19.05.2020
9. Appointed as Associate Dean, Academic Affairs, 14.01.2020
10. Member, committee for opening Technical & Financial Bid for the tender 'Sanitation & Horticulture Services', 03.12.2019
11. Member, Scholarship recommendation committee for other backward class students, 04.10.2019
12. Member, Committee for electrical items to be auctioned in Electrical Maintenance Store.
13. Member Secretary, Photography, Videography, Gate Banner, Backdrop Committee, Convocation- 2019, 01.10.2019
14. Member Secretary, Pandal Arrangement Committee, Convocation- 2019, 01.10.2019
15. Appointed as Assistant Dean, Continuing Education & Quality Assurance, 01.10.2019
16. Member, Estimation/ Quality/ OK report committee for rental items for forthcoming convocation 2019, 01.10.2019
17. Member, enquiry committee for central workshop store, 26.8.2019
18. Worked as member, Spot Counselling Ist year BTech MCA on 5th August, 2019, 03.08.2019
19. Worked as departmental faculty representative for registration of First Year students for session 2019-20, 27.7.2019
20. Appointed as Member, Green Club/ Sustainability Cell of the University, 17th July, 2019
21. Worked as Convener Physical Verification Committee for Oil Techn. & Paint Technology Department for the session 2019-20. 19.6.2019
22. Appointed as Dy. Coordinator for NBA Accreditation on 19.6.2019
23. Appointed as Dy.Coordinator for UGC experts visit to consider proposal for 12-B status on 9.5.2019
24. Appointed as Dy. Coordinator for NBA -2019 HBTU on 18.6.2019
25. Member,Pandal arrangement and services for Uththaan a Startup Nirmaan on 16.11.2018
26. Member,supervision committee for Adhyaay 2018 on 26.10.2018
27. Invited member for RDC for PhD students on 13.9.2018.
28. Member, BhoomiPoojan arrangement committee on 01.09.2018.
29. Member, Document Verification committee for Spot Counselling 2018-19, on 08.08.2018.
30. Member, Document Verification committee for BTech/ MCA Spot Counselling 2018-19, on 02.08.2018.

31. Faculty Incharge, Registration BTech& MCA Students on 28.07.2018.
32. Member Anti Ragging committee for zone-2 on 28.07.2018
33. Member, third round counselling 2018-19 on 26.7.2018.
34. Member, Selection committee for Ph.D. scholars on 14.7.2018.
35. Member, Selection committee for M.Tech. (PT/FT)students on 14.7.2018.
36. Member, Selection committee for M.Tech. (Gate)students on 6.7.2018.
37. Member, Justification committee for revised estimate of 400 seated hostel on 5.7.2018.
38. Member, Physical Verification committee for common items and for TEQIP cell on 9.6.2018
39. Member, Induction Training Program on 19.9.2017
40. Appointed as subject expert for interview of Research Scholars in Dept. of Civil Engineering on 16.09.2017.
41. Faculty Incharge, Registration HBTU MTechCivil Engineering Students on 08.08.2017.
42. Member Anti Ragging committee for zone-2 on 05.08.2017
43. Member, Departmental Purchase Committee on 03.08.2017
44. Appointed as member quality inspection for the furniture purchased for Govt. Engineering College, Mainpuri and Kannauj on 18.2.2017
45. Appointed as member for furniture requirement committee at institute level on 31.1.2017.
46. Member as subject expert in Civil Engineering Department by Controller of Examination on 19.01.2017
47. Appointed as department Faculty Incharge Placement-CED on 11.1.2017
48. Member, committee Pamphlet for the school of Engineering on 07.01.2017
49. Appointed as a member of Accommodation & Transportation Committee for International Alumni meet-2017.
50. Appointed as member Other Backward Class scholarship recommendation committee for Govt. Engineering College, Mainpuri and Kannauj on 29.9.2016
51. Faculty Incharge, Registration HBTU MTech Civil Engineering Students on 09.08.2016.
52. Faculty Incharge, Registration HBTU Civil Engineering Students on 06.08.2016
53. Appointed as Convener, Personality Development Club of Student Activity Centre on 01.08.2016.
54. Appointed as member secretary for Information Broucher printing for session 2015-16
55. Worked as Nodal officer scholarship 2015-16
56. Member, Promotion committee for class III (Technical group) on 22.12.2015
57. Appointed as Dy. Nodal Officer Govt. Engineering College, Kannauj on 13.7.2015
58. Appointed as warden WCH III hostel on 11.6.2015
59. Member, Salary increment committee for contractual employee on 23.3.2015
60. Worked as Assistant Dean of Academic Affairs 2015-16 on 09.09.2014.
61. Faculty Incharge, Registration Civil Engineering Students DR. BRAECIT, Bijnoreon 13.08.2013
62. Faculty Incharge, Registration HBTU Civil Engineering Students on 06.08.2013
63. Member Anti Ragging committee for zone-2 on 29.07.2013
64. Appointed as a deputy warden & warden of boys hostel 2012-13.
65. Member, Accommodation and Transportation Committee for International Alumni Meet on 25.11.2012
66. Faculty Incharge, Registration HBTU M.Tech. Students on 05.10.2012
67. Member, Monitoring committee for quality of maintenance work on 6.6.2012
68. Warden of WCH-III hostel on 24.5.2012

69. Faculty Incharge, Registration HBTU Civil Engineering Students on 19.08.2011
70. Member, damaged doors evaluation committee on 16.3.2011
71. Member, Accomodation and Transportation Committee for International Alumni Meet on 28.11.2010
72. Member, Disciplinary committee for Convocation on 25.11.2010
73. Member, Degree distribution committee for Convocation on 16.3.2010
74. Appointed for Counselling duty in UPTU SEE-2010
75. Member, Quality Inspection Committee for Foundations of Generator Sets at Hostels, 03.10.2009
76. Appointed as Member, Proctorial Board on 3.7.2009
77. Appointed for Counselling duty in UPTU SEE-2009
78. Appointed as a member of Accommodation & Transportation Committee for International Alumni meet-2009.
79. Faculty Incharge, Registration for Hostel Allotment on 12.9.2008
80. Member Orientation Committee for First Year Students on 7.8.2008
81. Appointed for Counselling duty in UPTU SEE-2008
82. Appointed as a deputy warden & warden of boys hostel in 2007-08.
83. Member of Tender Evaluation committee on 9.8.2007
84. Warden of WCH-II hostel on 21.7.2007
85. Appointed as Coordinator for 2ndHarcourtian's meet -2006
86. Appointed as Nodal Officer, for State Entrance Examination- 2005
87. Member of Quality Inspection Committee for many ongoing works under Civil Maintenance.
88. Incharge Departmental Time Table committee for HBTU
89. Incharge Departmental Time Table committee for Dr. BRAECIT
90. Assistant superintendent of examinations, HBTI Kanpur
91. Assistant Centre Superintendent of examinations, UPTU Lucknow
92. Worked as Convener, Counsel of Student Activities.
93. Worked as Deputy Chief Proctor.
94. Working as Departmental Coordinator for TEQIP III.

Honours/Awards: (47)

1. External Examiner for MTech viva- voce at KNIT Sultanpur, 08.12.2020
2. Invited as Special Invitee for meeting of Board of Examination 14.09.2020.
3. Invited as Special Invitee for meeting of Admission Committee 2020-21 on 14.09.2020.
4. 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.
5. 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.
6. 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'
7. Organised a lecture of Prof. S. G. Dhande, Chief Guest, Convocation -2019, on 6.12.2019
8. Appointed as Member, Induction Programme session 2019-20, date 11.07.2019
9. Worked as paper setter for BTech in Civil Engineering for Rama University, Kanpur 2019

10. Honoured as Subject Expert for interview panel of faculty selection committee at Maharana Pratap Engineering College, Kanpur January 2019.
11. 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.
12. External Examiner for M.Tech. Viva-Voce Examination at KNIT Sultanpur on 29.08.2018.
13. Appointed Deputy Convener RUSA and Pt. DeenDayalUpadhyay Scheme (AKTU) at HBTU Kanpur 2018 on 25.5.2018.
14. External Examiner for B.Tech. Examination at KNIT Sultanpur on 10.05.2018.
15. Special Invitee for HBTU Academic Council meeting on 4.4.2018.
16. 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.
17. Member, Physical verification committee, for items purchased under TEQIP III cell and other items 2018.
18. External Examiner for B.Tech. Examination at KNIT Sultanpur on 12.10.2017.
19. Appointed as State Co-ordinator/ Dy Director RUSA scheme of Min. of Human Resource and Development on 26.4.2016 to Oct, 2017.
20. 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.
21. 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
22. External Examiner for M.Tech. Viva-Voce Examination at KNIT Sultanpur on 13.07.2017.
23. External Examiner for B.Tech. Examination at KNIT Sultanpur on 17.05.2017.
24. Counselling member for HBTU admissions in 2017-18.
25. External Examiner for M.Tech. Viva-Voce Examination at KNIT Sultanpur on 19.11.2016.
26. Worked as a member of steering committee in WALMI, Lucknow, 2016.
27. Special Invitee as Assistant Dean Academics regarding visit of expert committee of UGC on 07.09.2015.
28. 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 HBTI Kanpur on 8-9 June 2015.
29. Editorial Board advisor in “Vira International Journal of Engineering and Management”, January 2014.
30. Editorial Board advisor in “Vira International Journal of Engineering and Management” since January 2014.
31. Expert for selection committee for Rama Group of Institution, Kanpur on 8.07.2012.
32. Expert for selection committee for Allenhouse Institute of Technology, Rooha, Kanpur on 6.07.2011.
33. External Examiner for B.Tech. Examination at KNIT Sultanpur on 11.01.2011.
34. Former Secretary of HBTI Teachers’ Association in 2010-11.
35. Invited as Proctor member for anti-ragging eradication on 28.7.2010.
36. Invited guest for APGCE, U.P. (Association of Professional Graduate Civil Engineers, Kanpur Chapter) on 28.3.2010.

37. Invitee for bill brought by U.P. Govt. - "The Uttar Pradesh Ground Water Conservation, Protection & Development bill-2010"
38. Appointed as observer for conducting State Entrance Examination at Invertis Institute of Management Studies on 23.4.2006
39. Appointed by U.P. Govt. as member of steering committee for developing course curriculum for Water and Land Management Institute.
40. External Examiner for Six M.Tech. Theses at Dept of Civil Engineering, KNIT Sultanpur.
41. Panel Speaker for Ganga Jagran Forum, Kanpur
42. Project Officer for state govt. engineering college at Kannauj (U.P.).
43. Member of State Technical Agency (STA) for U.P. projects under Pradhan Mantri Gramin Sadak Yojana(PMGSY)
44. Worked as Dy. Director/ State Coordinator RUSA(Rastriya Uchchatar Shiksha Abhiyan, U.P.)
45. Worked as Project Officer for State Govt. Engineering College, REC, at Kannauj (U.P.).
46. Worked as External Examiner ESE of Engg, Graphics at SRMS CET Bareilly appointed by UPTU on 27.01.2005.
47. 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.