Research Papers (SCI /SCOPUS Indexed Journals)

1. Tiwari, N. K .& Panwar, D., (2025) More accurate prediction of oxygen transfer in water through Venturi flumes by data analysis, machine learning, and uncertainty investigation, Journal of Environmental Engineering (ASCE), DOI: 10.1061/JOEEDU/EEENG-7834
2. Panwar, D., & Tiwari, N. K. (2025). Reliable Prediction of the Aeration Efficiency of Venturi Flumes Using Intelligent Approaches. Journal of Environmental Engineering (ASCE), 151(2), 04024073.
3. Tiwari, N. K., & Panwar, D. (2024). Optimising Venturi flume oxygen transfer efficiency using uncertainty-aware decision trees. Water Science & Technology, wst2024393.
4. Panwar, D., & Tiwari, N. K. (2024). Nonlinear ensemble techniques and reliability to estimate oxygen transfer efficiency of rectangular venturi flumes for free flow. ISH Journal of Hydraulic Engineering, 30(5), 583-600.
5. Tiwari, N. K., Luxmi, K. M., & Ranjan, S. (2023). Predictive models for prediction of broad crested gabion weir aeration performance. Journal of Soft Computing in Civil Engineering, 7(2), 43-73.
6. Tiwari, N. K., Luxmi, K. M., & Ranjan, S. (2023). Estimating gabion weir oxygen transfer with data mining. Water Quality Research Journal, 58(1), 22-40.
7. Tiwari, A., Ojha, C. S. P., Tiwari, N. K., & Ranjan, S. (2023). Montana flume aeration performance evaluation with machine learning models. Journal of The Institution of Engineers (India): Series A, 104(1), 175-186.
8. Luxmi, K. M., Tiwari, N. K., & Ranjan, S. (2023). Estimation and comparison of gabion weir oxygen mass transfer by ensemble learnings of bagging, boosting, and stacking algorithms. ISH Journal of Hydraulic Engineering, 29(sup1), 196-211.
9. Luxmi, K. M., Tiwari, N. K., & Ranjan, S. (2023). Application of soft computing approaches to predict gabion weir oxygen aeration efficiency. ISH Journal of Hydraulic Engineering, 29(3), 244-258.
10. Kumar, S., Ojha, C. S. P., Tiwari, N. K., & Ranjan, S. (2023). Exploring the potential of artificial intelligence techniques in prediction of the removal efficiency of vortex tube silt ejector. International Journal of Sediment Research, 38(4), 615-627.
11. Verma, A., Ranjan, S., Ghanekar, U., & Tiwari, N. K. (2022). Soft computing techniques for predicting aeration efficiency of gabion stepped weir. In Proceedings of the International Conference on Industrial and Manufacturing Systems (CIMS-2020) Optimization in Industrial and Manufacturing Systems and Applications (pp. 117-122). Springer International Publishing.
12. Tiwari, N. K., Sihag, P., & Das, D. (2022). Performance evaluation of tunnel type sediment excluder efficiency by machine learning. ISH Journal of Hydraulic Engineering, 28(sup1), 27-39.
13. Srinivas, R., & Tiwari, N. K. (2022). Oxygen aeration efficiency of gabion spillway by soft computing models. Water Quality Research Journal, 57(3), 215-232.
14. Srinivas, R., & Tiwari, N. K. (2022). Modeling of the oxygen aeration performance efficiency of gabion spillways. Water Practice & Technology, 17(11), 2317-2333.
15. Rakesh, G., & Tiwari, N. K. (2022). Assessment of groundwater at Kurukshetra district. Water Practice & Technology, 17(11), 2225-2241.
16. Kumar, S., Tiwari, N. K., & Ranjan, S. (2022). Applicability of several machine learning models in estimation of vortex tube trapping efficiency. Water Supply, 22(11), 8173-8195.
17. Kumar, M., Tiwari, N. K., & Ranjan, S. (2022). Soft computing based predictive modelling of oxygen transfer performance of plunging hollow jets. ISH Journal of Hydraulic Engineering, 28(sup1), 223-233.

18. Kumar, M., Tiwari, N. K., & Ranjan, S. (2022). Application of machine learning methods in estimating the oxygenation performance of various configurations of plunging hollow jet aerators. Journal of Environmental Engineering, 148(11), 04022070.
19. Tiwari, N. K. (2021). Evaluating hydraulic jump oxygen aeration by experimental observations and data driven techniques. ISH Journal of Hydraulic Engineering, 27(sup1), 601-615.
20. Sharafati, A., Haghbin, M., Tiwari, N. K., Bhagat, S. K., Al-Ansari, N., Chau, K. W., & Yaseen, Z. M. (2021). Performance evaluation of sediment ejector efficiency using hybrid neuro-fuzzy models. Engineering Applications of Computational Fluid Mechanics, 15(1), 627-643.

21. Kumar, M., Tiwari, N. K., & Ranjan, S. (2021). Oxygenation by plunging jet aerators: A review. *Iranian Journal of Science and Technology, Transactions of Civil Engineering*, *45*(3), 1329-1348.
22. Kumar, M., Tiwari, N. K., & Ranjan, S. (2021). Experimental study on oxygen mass transfer characteristics by plunging hollow jets. *Arabian Journal for Science and Engineering*, *46*, 4521-4532.
23. Tiwari, N. K., Sihag, P., Singh, B. K., Ranjan, S., & Singh, K. K. (2020). Estimation of tunnel desilter sediment removal efficiency by ANFIS. *Iranian Journal of Science and Technology, Transactions of Civil Engineering*, *44*, 959-974.
24. Tiwari, N. K., Sihag, P., Kumar, S., & Ranjan, S. (2020). Prediction of trapping efficiency of vortex tube ejector. *ISH Journal of Hydraulic Engineering*, *26*(1), 59-67.
25. Tiwari, N. K., & Sihag, P. (2020). Prediction of oxygen transfer at modified Parshall flumes using regression models. *ISH Journal of Hydraulic Engineering*, *26*(2), 209-220.
26. Sihag, P., Tiwari, N. K., & Ranjan, S. (2020). Support vector regression-based modeling of cumulative infiltration of sandy soil. *ISH journal of hydraulic engineering*, *26*(1), 44-50.
27. Sharafati, A., Haghbin, M., Haji Seyed Asadollah, S. B., Tiwari, N. K., Al-Ansari, N., & Yaseen, Z. M. (2020). Scouring depth assessment downstream of weirs using hybrid intelligence models. *Applied Sciences*, *10*(11), 3714.
28. Saran, D., & Tiwari, N. K. (2020). Estimation of discharge correction factor of modified Parshall flume using ANFIS and ANN. *Archives of Materials Science and Engineering*, *105*(1).
29. Kumar, M., Tiwari, N. K., & Ranjan, S. (2020). Prediction of oxygen mass transfer of plunging hollow jets using regression models. *ISH Journal of Hydraulic Engineering*, *26*(1), 23-30.
30. Kumar, M., Sihag, P., Tiwari, N. K., & Ranjan, S. (2020). Experimental study and modelling discharge coefficient of trapezoidal and rectangular piano key weirs. *Applied Water Science*, *10*(1), 43.
31. Bodana, D., Tiwari, N. M., Ranjan, S., & Ghanekar, U. (2020). Estimation of the depth of penetration in a plunging hollow jet using artificial intelligence techniques. *Archives of Materials Science and Engineering*, *103*(2).
32. Sihag, P., Tiwari, N. K., & Ranjan, S. (2019). Prediction of unsaturated hydraulic conductivity using adaptive neuro-fuzzy inference system (ANFIS). *ISH Journal of Hydraulic Engineering*, *25*(2), 132-142
33. Kumar, M., Tiwari, N. K., & Ranjan, S. (2019). Kernel function based regression approaches for estimating the oxygen transfer performance of plunging hollow jet aerator. *Journal of Achievements in Materials and Manufacturing Engineering*, *95*(2).
34. Gautam, S., Sihag, P., Tiwari, N. K., & Ranjan, S. (2019). Neuro-Fuzzy approach for predicting the Infiltration of soil. In *Environmental Geotechnology: Proceedings of EGRWSE 2018* (pp. 221-228). Springer Singapore.
35. Kumar, M., Ranjan, S., Tiwari, N. K., & Gupta, R. (2018). Plunging hollow jet aerators-oxygen transfer and modelling. *ISH Journal of Hydraulic Engineering*, *24*(1), 61-67.
36. Kumar, M., Ranjan, S., & Tiwari, N. K. (2018). Oxygen transfer study and modeling of plunging hollow jets. *Applied Water Science*, *8*, 1-15.

37. Sihag, P., Tiwari, N. K., & Ranjan, S. (2018). Prediction of cumulative infiltration of sandy soil using random forest approach. *Journal of Applied Water Engineering and Research.*
38. Tiwari, N. K., Sihag, P., & Ranjan, S. (2017). Modeling of infiltration of soil using adaptive neuro-fuzzy inference system (ANFIS). *Journal of Engineering & Technology Education*, *11*(1), 13-21.
39. Sihag, P., Tiwari, N. K., & Ranjan, S. (2017). Modelling of infiltration of sandy soil using gaussian process regression. *Modeling Earth Systems and Environment*, *3*, 1091-1100.
40. Sihag, P., Tiwari, N. K., & Ranjan, S. (2017). Estimation and inter-comparison of infiltration models. *Water Science*, *31*(1), 34-43.
41. Wasi, M., Ranjan, S., Mahesh, A., & Tiwari, N. K. (2017). AN EXPERT SYSTEM FOR PREDICTING AERATION PERFORMANCE OF WEIRS BY USING ANN AND RANDOM FOREST.
42. Singh, B. K., Tiwari, N. K., & Singh, K. K. (2016). Support vector regression based modelling of trapping efficiency of silt ejector. *J Indian Water Resour Soc*, *36*(1), 41-49.
43. Sant, A. S., Pandey, R. P., & Tiwari, N. K. (2015). Drought analysis and supplemental irrigation requirement for rabi crops in Haryana state.
44. Banik, P., Tiwari, N. K., & Ranjan, S. (2014). Comparative crop water assessment using meteorological data and modeling techniques. *Global sustainability transitions: impacts and innovations*, 168-180.
45. Pal, M., Singh, N. K., & Tiwari, N. K. (2014). Kernel methods for pier scour modeling using field data. *Journal of Hydroinformatics*, *16*(4), 784-796.
46. Pal, M., Singh, N. K., & Tiwari, N. K. (2013). Pier scour modelling using random forest regression. *ISH Journal of Hydraulic Engineering*, *19*(2), 69-75.
47. Pal, M., Singh, N. K., & Tiwari, N. K. (2012). M5 model tree for pier scour prediction using field dataset. *KSCE Journal of Civil Engineering*, *16*, 1079-1084.
48. Pal, M., Singh, N. K., & Tiwari, N. K. (2011). Support vector regression based modeling of pier scour using field data. *Engineering Applications of Artificial Intelligence*, *24*(5), 911-916.

BOOK CHAPTERS

1. Singh, A. K., & Tiwari, N. K. Modeling of Ejection Efficiency of Vortex Tube Extractor by Gradient Boosting. *Advances in Clean Energy Technologies: Select Proceedings of ICET 2023, Volume 1*, 13.
2. Mishra, S., Vajesnayee, S. R., & Tiwari, N. K. (2022, July). Technique of Utilization of Coal Waste in an Efficient and Effective Way. In *International Conference on Advances in Energy Research* (pp. 729-736). Singapore: Springer Nature Singapore.
3. Sood, S., Kumar, R., & Tiwari, N. K. (2022, July). Life Cycle Assessment of a Hybrid Solar Based Electric Vehicle Charging Station Using SimaPro. In *International Conference on Advances in Energy Research* (pp. 89-97). Singapore: Springer Nature Singapore.
4. Luxmi, K. M., Tiwari, A., Tiwari, N. K., & Vajesnayee, S. R. (2021, August). Development and evaluation of soft computing models for Montana flume aeration. In *International Conference on Chemical, Bio and Environmental Engineering* (pp. 167-180). Cham: Springer International Publishing.
5. Saran, D., & Tiwari, N. K. (2020, October). Generation of a Versatile Discharge Formula for Multiple Parshall Flumes Using a Regression Technique. In *International Conference on Energy, Materials Sciences & Mechanical Engineering* (pp. 1197-1207). Singapore: Springer Nature Singapore.
6. Verma, A., Ranjan, S., Ghanekar, U., & Tiwari, N. K. (2022). Soft computing techniques for predicting aeration efficiency of gabion stepped weir. In *Proceedings of the International Conference on Industrial and Manufacturing Systems (CIMS-2020) Optimization in Industrial and Manufacturing Systems and Applications* (pp. 117-122). Springer International Publishing.

7. Sangeeta, Ranjan, S., & Tiwari, N. K. (2019). Aeration Efficiency Evaluation of Modified Small Parshall Flume Using M5P and Adaptive Neuro-Fuzzy Inference System. In *Sustainable Engineering: Proceedings of EGRWSE 2018* (pp. 243-252). Springer Singapore.
8. Gautam, S., Sihag, P., Tiwari, N. K., & Ranjan, S. (2019). Neuro-Fuzzy approach for predicting the Infiltration of soil. In *Environmental Geotechnology: Proceedings of EGRWSE 2018* (pp. 221-228). Springer Singapore.

Text Books/ Reference Books Published

Sr no.	Title of book	Name of publisher	Year of publication
1	sediment extractor design and analysis	Lambert acadmiec publisher	2018
2	Parshall flumes anad aeration	Lambert acadmiec publisher	2018

List of Conference papers

Sr. No.	Title of Paper	Name of conference and organisation
1	Sustainable use of groundwater in Kurukshetra: A geospatial approach	International Water Conference for Sustainable Development Goals (IWCSDG-2024), MNIT Bhopal
2	Evaluation of coefficient of discharge for Gabian Crump weir by Deep Neural Network (DNN)	Innovations in Clean Energy Technology (ICET-2023)
3	Life cycle assessment of a hybrid solar-based electric vehicle charging station using SimaPro	International Conference on Advances in Energy Research (ICAER) (2023)
4	Evaluation of coefficient of discharge for Gabian Crump weir by Machine Learning Method	International Conference on Recent Trends in Engineering and Science (RTES-2023)
5	Experimental investigation owned banana pseudo-stem fibre for sustainable soil improvement	International Conference on Recent Trends in Engineering and Science (RTES-2023)
6	Modelling of Ejection efficiency of vortex tube extractor by GBM	ICET-2023 at MNIT Bhopal
6	Groundwater Resource Evaluation of regions in Kurukshetra district, Haryana, India	HYDRO-2023 International Conference (2023) organised by NIT Warangal
7	Electricity production from different effluent using microbial fuel cell	8th International Conference on Advances in Energy Research (ICAER 2022)
8	Effect of external resistance on double chamber microbial fuel cell performance	International Conference on Recent Advanced in Water Resources, Environment and Geomatics Engineering (ICRAWEG 2022)

9	Impact of different electrode materials and substrates on the operation of microbial fuel cell	International conference on innovations in Applied Science and Engineering (ICIASE 2022)
10	Enviro-economic assessment of energy sources used for electric vehicle charging	Sustainable Technology for Power and Energy Systems (STPES) (2022)
11	Life cycle assessment for comparison of various renewable energy generation systems	International Conference on Recent Advanced in Water Resources, Environment and Geomatics Engineering (ICRAWEG 2022)
12	Aeration performance of Gabion Spillways	International Conference on Recent Advanced in Water Resources, Environment and Geomatics Engineering (ICRAWEG 2022)
13	An Experimental Investigation of Aeration performance of Gabion Spillways	International virtual conference on Smart and Sustainable Development of Urban Green Infrastructure (SSDUGI-2022)
14	Cropwater assessment of plain and hilly region using modelling techniques	International Conference on hydraulics, Water resources, Coastal and Environmental Engineering (2020)
15	Prediction of hydraulic jump aeration efficiency by machine learning	International conference on River Health Assessment to Restoration (RHAR-2019)
16	Effects of roughness of cylindrical clear on maximum scour depth	International conference on contemporary issue by Engineering, Agriculture, Applied Science and Humanities (EAH-2019)
17	Roughness effect of spur dykes on scour	International conference on contemporary issue by Engineering, Agriculture, Applied Science and Humanities (EAH-2019)
18	The study of hydraulic characteristic of Gabion weir	International conference on contemporary issue by Engineering, Agriculture, Applied Science and Humanities (EAH-2019)
19	Soft computing technique for predicting aeration efficiency of Gabion Weir	International conference on contemporary issue by Engineering, Agriculture, Applied Science and Humanities (EAH-2019)
20	Study of sediment excluder: A review	International conference on contemporary issue by Engineering, Agriculture, Applied Science and Humanities (EAH-2019)

21	Modelling of scour around cylindrical peers	International conference on differential equation and control problems: modelling, analysis and computations (ICDECP 19)
22	Modelling of sediment excluder	International conference on differential equation and control problems: modelling, analysis and computations (ICDECP 19)
23	Modelling aeration efficiency of hydraulic jump at under sluice gate	International conference on differential equation and control problems: modelling, analysis and computations (ICDECP 19)
24	Modelling hydraulic characteristics of Gabion Weir by soft computing techniques	International conference on differential equation and control problems: modelling, analysis and computations (ICDECP 19)
25	Modelling of score around SPUR dykes	International conference on differential equation and control problems: modelling, analysis and computations (ICDECP 19)
26	Modelling of aeration efficiency at Gabion Weir	International conference on differential equation and control problems: modelling, analysis and computations (ICDECP 19)
27	Evaluation of aeration performance of piano key weir through random forest bagging GP & M5P	International conference on Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering (2018)
28	Oxygen transfer by solid jet aerator	International conference on Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering (2018)
29	Aeration performance of labyrinth weir a review	International conference on Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering (2018)
30	Modelling of aeration efficiency of small Parshall flume by random forest regression	8th International Conference on Recent Development in Engineering Science, Humanities and Management (2017)

31	An expert system for prediction aeration performance of weirs by using ANN and random forest	7th International Conference on Recent Development in Engineering Science, Humanities and Management (2017)
32	Prediction of oxygen transfer rate of solid jet using random forest approach	International Conference on Emerging Trends in Engineering Innovations & Technology Management (ICET: EITM-2017)
33	Aeration efficiency of small Parshall flume	International Conference on Emerging Trends in Engineering Innovations & Technology Management (ICET: EITM-2017)
34	Performance evolution of soft computing techniques for prediction of the infiltration rate of soil	International Conference on Emerging Trends in Engineering Innovations & Technology Management (ICET: EITM-2017)
35	Aeration performance evolution of piano key weir using linear regression and adaptive neuro fuzzy Inference system	International Conference on Emerging Trends in Engineering Innovations & Technology Management (ICET: EITM-2017)
36	Aeration performance of Labyrinth Weir through linear regression ANN and M5P	International Conference on Emerging Trends in Engineering Innovations & Technology Management (ICET: EITM-2017)
37	Modelling of infiltration characteristics	International conference on Recent Advances in Analytical Sciences (RAAS-2016)
38	Prediction of efficiency of silt ejector using machine learning language	Symposium on Hydrology organized by NIH Roorkee(2015)
39	Study of infiltration characteristics of soils	Symposium on Hydrology organized by NIH Roorkee(2015)
40	Impact of rise husk on infiltration of sand	Symposium on Hydrology organized by NIH Roorkee(2015)
41	Supplemental irrigation requirement for critical dry spells in monsoon season in the state of Haryana	20th International conference on Hydraulics, Water Resources and River Engineering (HYDRO-2015)
42	Estimation of design flood rivers at Sutlej at Bhakra Dam	2nd International conference on Emerging trends in Agriculture, Horticulture and Environment Engineering (2014)
43	Comparative study of crop water recruitment for the southern and northern India	International conference on Emerging Paradigms and practices in Global

		Technology Management and Business Issues (2014)
44	Study of trapezoidal piano key weirs	International conference on Emerging trends in Agriculture, Horticulture and Environment Engineering (2014)
45	Comparative study of rectangular and a trapezoidal piano key weirs.	International conference on Emerging trends in Agriculture, Horticulture and Environment Engineering (2014)
46	Comparative crop water assessment of plain and hilly region using cropwat model	International conference on Advances in Engineering and Technology (ICAET-2014)
47	Compared to crop water assessment using meteorological data on modelling techniques	International conference on Sustainable Innovative Techniques in Architecture, Civil and Environment Engineering (SITACEE-2014)
48	Local Scour Associated with angle spur dike	International conference on Sustainable Innovative Techniques in Architecture, Civil and Environment Engineering (SITACEE-2014)

UG Projects

Sr. No.	Title of Project	Name of Student	Regd. No.	Pass Out Year
I	EFFICIENCY OF SILT EJECTOR	Suresh Kumar	109309	2013
		D. Abhishek	109309	
		Gaurav Jeph	109290	
		Hitesh Meena	109139	
II	EXPERIMENTAL STUDY TO OBSERVE SCOUR AROUND A BRIDGE PIER HAVING SOIL OF 85% SILT AND 15% CLAY	Prashant R.	107445	2014
		Ravinder Nitwal	107576	
		Ashis Kaushik	107450	
		Charu Dharmshktu	107442	
III	EXPERIMENTAL STUDY TO MEASURE BRIDGE SCOUR IN SANDY SOIL	Ajay Dev	109102	2014
		Abhimanyu Rana	109136	
		Anshul Sheokhand	109383	
IV	OPTIMIZATION OF SILT EJECTOR	Devansh Sharma	1120190	2015

V	PREDICTION OF EFFICIENCY OF SILT EJECTOR USING FUZZY LOGIC	Ankit Singh	1120116	2015
VI	PREDICTION OF SILT EJECTOR EFFICIENCY USING PSO	Mohit Singh	1120048	2015
VII	ESTIMATION OF SEDIMENT IN THE CANAL AND RIVER	Sangaraju Kalyan Kumar Raju	1130515	2017
VIII	MODELING OF SILT EJECTOR	Ishu Yadav	1130570	2017
IX	AERATION PERFORMANCE OF SPILLWAY	Yogendra	1130322	2017
		Rahul	1130327	
X	PERFORMANCE OF TUNNEL TYPE SILT EJECTOR	Pankaj	1130266	2017
		Sunny Yadav	1130482	
		Adarsh Meena	1130513	
XI	OPTIMIZATION OF TUNNEL TYPE SILT EJECTOR USING GENETIC ALGORITHM	Anjali Kumari	1130017	2017
		Anupma	1130474	
XII	AERATION ESTIMATION OF SMALL PARSHALL FLUMES	Preeshan Upadhayay	2130014	2017
XIII	VORTEX TUBE EJECTOR	Anirav Prakash	1130119	2017
		Siddharth Bama	1130080	
		Akhil Dhopala	1130339	
XIV	COMPARATIVE EVALUATION OF INFILTRATION MODELS	Osho Singh	1140819	2017
		S. Sannihith Reddy	1140792	
XV	AERATION MEASUREMENT OF SPILLWAY	Yogendra	1130322	2017
		Rahul	1130327	
XVI	AERATION MEASUREMENT OF SMALL PARSHALL FLUMES	Sushant Kumar	1130226	2017
XVII	PERFORMANCE AUDIT OF INFILTRATION MODELS	Sonam Gurumath	1140893	2018
XVIII	PERFORMANCE EVALUATION OF SOLID SINGLE AND MULTIPLE PLUNGING JET AERATOR	Vikram Kumar	1140485	2018
		Deepak Kumar	1140322	
XIX	OPTIMAL DESIGN OF SILT EJECTOR	Mainaosari Basumatari	1140099	2018
XX	AERATION BY RECTANGULAR WITH ROUNDED EDGES SOLID JETS	Samiullah	2140056	2018
XXI	AERATION EFFICIENCY OF PARSHALL AND MODIFIED PARSHALL FLUMES	Gaurav Aggarwal	1140540	2018
XXII	RATIONAL DESIGN OF SILT EJECTOR	Varsha Muraleedharan	2140052	2018
XXIII	VORTEX TUBE SEDIMENT EJECTOR	Amar	1140814	2018

XXIV	PREDICTION OF RAINFALL IN GAYA AND BHAGALPUR DISTRICTS	Prashant Kumar Sinha	1140424	2018
XXV	COMPARATIVE POTENTIAL OF INFILTRATION MODELS	Osho Singh	1140819	2018
		S. Sannihith Reddy	1140792	
XXVI	PERFORMANCE EVALUATION OF SOLID MULTIPLE PLUNGING JET AERATOR	Vuram Kamal Vikas	1140744	2018
XXVII	EXAMINATION OF INFILTRATION MODELS	Sonam Gurumath	1140893	2018
XXVIII	COMPREHENSIVE LITERATURE REVIEW OF SCOUR AROUND BRIDGE PIER	Vashu Singh	11510079	2019
XXIX	PREDICTION OF BRIDGE PIER SCOUR BY ANFIS	Shubham Yadav	11510086	2019
XXX	PREDICTION OF AERATION IN PARSHALL FLUMES BY FUZZY LOGIC	Udham Singh	11510071	2019
XXXI	ESTIMATION OF SCOUR DEPTH AROUND BRIDGE PIER BY FUZZY LOGIC	Ravi Kant	11510035	2019
XXXII	EXHAUSTIVE LITERATURE REVIEW OF AERATION AT PARSHALL FLUME	Sandeep Kandoi	11510835	2019

M. Tech Dissertation

Sr.	Title of Dissertation	Name of student	Regd. No.	Year of Award
1	Identification & mapping of groundwater potential of Kurukshetra district, Haryana	Sunil Kumar	32212503	2024
2	Sediment Mitigation Canal	Akhilesh Kumar Singh	3212509	2023
3	Influence of cohesion on scouring due to a circular vertical jet	Vikram Singh Rathod	31920514	2021
4	Aeration performance of montana flume	Ashwini Tiwari	31902519	2021
5	Hydraulic performance of montana flume	Rajvardhan Raghunath Patil	31902509	2021
6	Hydraulic performance of venturiflume	Zakir Hussain	31902510	2021
7	Aeration Performance of venturiflume	Dinesh Panwar	31902512	2021
8	Study of Hydraulic Characteristics of Parshall flume	Diwakar Saran	31802522	2020
9	Aeration study of Gabion Spillway	Ritu Bhatt	31802502	2020

10	Hydraulic Performance of Crump weir	Pankaj	31802502	2020
11	Hydraulic Characteristics of gabion weir	Siddharth Sonkar	31702504	2019
12	Aeration at Gabion Weir	KM Luxmi	31702509	2019
13	Study of Sediment excluder	Debyendu Das	31702501	2019
14	Aeration studies on Hollow jet Device	Ravinder Kumar Mehra	31602544	2018
15	Oxygen Transfer by solid jet Aerator	Chandra Prakash Meena	3160250	2018
16	Aeration Performance of Labyrinth Weir	Aradhana	31602526	2018
17	Hydraulic & Aeration performance of small Parshall flumes	Amit Kumar	31502504	2017
18	Performance of Silt Ejector	Parveen Gairy	3140519	2016
19	Efficiency Improvement of Piano Key Weir	Ayush Bhaskar	3140515	2016
20	Spatial and Seasonal Variation of Infiltration	Rahul Aggarwal	3140518	2016
21	Experimental Study of Jet Aerators	Kamaldeep Singh	3120504	2016
22	Analysis of Crop Water Requirement Using Machine Learning	J. Venu Jayanth	3130504	2015
23	Rational Design of Silt Extractor	Dushyant Kumar	3130514	2015
24	Drought Studies and Supplemental Irrigation Planning	Amit Shankar Sant	3130516	2015
25	Experimental Study of Spur Dykes	Akash Pashar	3120504	2014
26	Estimation of Design Flood for Bhakra Dam	Anand Prabhat Verma	3120505	2014
27	Experimental Study on Piano Key Weirs	Munish Kumar	3120509	2014
28	Study of Trapezoidal Piano Key Weirs	Joginder Singh	3120525	2014
29	Crop Water Assessment of Plane and Hilly Region Using Cropwat Model	Pritha Banik	211042	2013
30	Study of Infiltration Characteristics of Soils	Parveen Sihag	211051	2013