Curriculum Vitae

1. Name: Shagun Pandey
2. Father's Name: Shri Sunil Kumar Pandey
3. Address: Assistant Professor , Civil Engineering Department
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4. Date of Birth: 15th July 1993
5. Present Position: Assistant Professor , Civil Engineering Department
6. Area of Interest: Civil Engineering; Environmental Engineering , Water Resources Engineering
7. Educational Qualification:

S. No.	Degree/Exam	Board/University	Year	Subjects (Specialization)	GPA/Marks (%)	Remarks
1.	High School	C.B.S.E. Board New Delhi	2008	Maths, Science, English, Sanskrit ,Social Science, Introduction of IT	92.60 %	2nd Position in school
2.	Intermediate	C.B.S.E. Board New Delhi	2010	Physics, Chemistry, Maths, Sanskrit, English	87.20 %	-
3.	B.Tech	B.I.E.T. Jhansi	2014	Civil Engineering	80.30 %	3rd Position in Department
4.	M.Tech	I.I.T. Delhi	2017	Civil Engineering (Water Resources Engineering)	8.389	1st Position in Specialization

GATE Score in 2015: 98.91 percentile

8. Employment/Experience:

S. No.	Name of Institution	From	To	Position & Scale	Duties
1.	Rajkiya Engineering College , Bijnor	08-12-2017	Till date	Assistant Professor Rs.15,600-39,100 (AGP 6000)	• Head of Civil Engineering Department • Teaching in UG classes • Chairman, Construction Committee • Project Work • Academic Work • Administrative Work • Consultancy Work

9. Scholarship /Awards /Prizes Received:

(i) **Jawaharlal Nehru Memorial Fund Merit Award** for securing first position in M.Tech Examination held by Indian Institute of Technology Delhi in the year 2016-2017.

10. M.Tech Thesis:

Title	-	Prediction of concentration profile and pressure drop for Newtonian and Non-Newtonian multi-sized particulate slurry flow through pipeline.
Supervisor	-	Dr D.R.Kaushal (Professor)
Description	-	The aim of the thesis is to develop an analytical model on the basis of existing models and data base available in the literature for the prediction of concentration profile and pressure drop for the multi-sized particulate slurry flow through pipeline simultaneously. A new correlation to determine the variation of dimensionless particle diffusivity with particle size and concentration across the pipe cross section is also proposed considering the combination of Karabelas model for concentration profile and Wasp model for pressure drop.
Paper Published (International Conference)	-	H. P. Singh**, S. Pandey**, D.R. Kaushal (2017), "*A new correlation for particle diffusivity in slurry flow through pipeline"*, 18th Conference on Transport and Sedimentation of Solid Particles, 11-15 September 2017, Prague, Czech Republic. . ISSN 0867-794 ISBN 978-83-7717-269-8 (https://icts.files.wordpress.com/2018/01/ts18_327-334_singh_et_al.pdf)

11. B.Tech Project:

Title	-	Soil Stabilization using Plastic Waste
Description	-	Under this project, environmental waste like plastic bottles which are non-biodegradable was used to enhance the properties of soil. A series of California Bearing Ratio (CBR) tests were carried out on randomly reinforced soil by varying percentage of plastic strips with different lengths and proportions. Results of CBR tests demonstrated that inclusion of waste plastic strips in soil with appropriate amounts improved strength and deformation behaviour of sub grade soil.

12. Other Projects & Term Papers:

S.No.	Title		Description
1.	Digitization, Geo-referencing and creating a database model for IITD campus.	-	Main objective of this project is to Digitize institute area of IITD by making new shape files and by correcting the previously made files using ArcGis tools. Geo-referencing is carried out for the new shape files using Google earth. A database is formed with various attributes like Room No, Type of Room, Name etc. and then a linking is done between the database and the pictures of respective rooms.
2.	Attenuation of groundwater pollution by bank filtration.	-	Under this term paper, a brief introduction of bank filtration and its effect on raw water quality has been given. A case study of Rhine river in Germany is also discussed.
3.	Integrated Hydro-Economic Modelling	-	Under this term paper, a discussion has been done on water allocation problem and various modeling approaches. Main focus is given to the economical approach and cost benefit analysis. A case study of Musi River in Andhra Pradesh state is also discussed.

13. Industrial Training:

Title	-	Six laning of Etawah - Chakeri (Kanpur) of NH-2 under Oriental structural engineers pvt.ltd. , National Highways Authority of India (Jun, 2013 - July, 2013)
Description	-	Successful construction of Pile foundation, Quality control, Pre-casting and Batching. Also performed various laboratory tests like proctor test, CBR test, free swell index, specific weight and other soil related tests.

14. Technical Skills:

Proficient: MS Word, MS Excel, QUAL2K, EPANET, ARCGIS, SWAT

Intermediate: MATLAB, SWMM, SQL Basics

Beginner: Google Earth, AUTOCAD, HTML, Visual Basics

15. Seminar/Conference/Workshop/Training Program/QIP/FDP Attended: 04

S.No.	Title	Organized By	Period	
			From	To
1.	**Workshop** on IPR for students and faculty members	MHRD Innovation Cell	10/01/2019	10/01/2019
2.	**FDP** on Advanced Pedagogy, IPR, Entrepreneurship & Skill set	Engineering Staff College of India	30/08/2018	30/08/2018
3.	Summer **Training Program** on Active Learning for Senior Faculty	IIT, Kanpur	02/07/2018	06/07/2018
4.	**Workshop** on Teaching-Learning-Evaluation (TLE) Systems and their Excellence	REC Bijnor	10/04/2018	11/04/2018
5.	**Workshop** on Outcome Based Education (OBE) and Accreditation.	REC Bijnor	23/03/2018	24/03/2018