

1. Name (in Block Letters) **DR. AMIT KUMAR SRIVASTAVA**
2. Father's Name (in Block Letters) LATE SH. J. K. SHRIVASTAVA
3. Mother's Name (in Block Letters) SMT. MALA SINHA
4. Spouse's Name (in Block Letters) SMT. KHUSBHU SINHA
5. Date of Birth k 03-01-1974
6. Current Designation & Basic Pay Professor, 1,67,200
Dean (Outreach and Extension Activities) wef 30.7.2021, Chief Project Officer wef 1.1.22, Estate Officer wef 1.1.22, Officer in charge Rock Mechanics Lab wef 1.1.12
7. Current Administrative Assignment
8. Date of Last Promotion (Position and Stage) 25-02-2015
9. Category (SC/ST/OBC/General) General
10. Address for correspondence (with Pin Code) ASTHA KUNJ, E-11, Sector-18, Rohini, Delhi-110042
11. Permanent Address (with Pin Code) Rajendera Nagar, Madhubani, Purnia- 854301
12. Telephone Number M: - 9818162728, 8800667128
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14. Academic Qualifications:

Degree	University / Institute	Year of Passing	Discipline/Specialization	Percentage of marks/CGPA
Graduate Degree (UG)	Bangalore University	1993	Civil	75.91%
Post Graduate Degree (PG)	Allahabad University	1996	Civil (Geotechnical Engineering)	74.31%
Ph.D.	IIT, DELHI	2012	Civil (Rock Mechanics)	

Other Exams (if any)	1. GATE	1994	Civil	88.62 AIR-856
	2. GATE	1996	Civil	97.15 AIR-162
	3. BPS, CES	1999	Civil	AIR-49
	4. UPSC, IES	2000	Civil	AIR-128
	5. UPSC, IES	2002	Civil	AIR- 33

15. Teaching and Field Experience:

Institution	Designation	Nature of appointment (Regular/ Fixed term/ Temporary/ Ad hoc)	Nature of Duties	Pay-Scale / Pay band and AGP	Date of Joining	Date of Leaving	Remarks
Delhi Technological University (DTU), Delhi	Professor	Regular	Teaching, Research, Consultancy and administration	AGP-10, Level 14	25.2.2015	Till date	
Delhi Technological University, Delhi (DTU), Delhi	Associate Professor	Regular	Teaching, Research, Consultancy and administration	AGP-900 PB-IV	25.2.2012	24.2.2015	
Delhi Technological University, Delhi (DTU), Delhi	Assistant Professor	Regular	Teaching, Research, Consultancy and administration	AGP-800 PB-III	25.2.2009	24.2.2012	
Delhi College of Engineering (DCE), Delhi	Senior Lecture	Regular, Through UPSC	Teaching, Research, Consultancy and administration	10000/-	25.2.2004	24.2.2009	
Pusa Polytechnic DTTE Delhi Govt. of NCT	Lecturer Lecturer (Senior scale)	Regular through UPSC	Teaching	8000-13500, 10000-15200	02-11-1998 1-11-2003	24-2-2004	Granted senior scale on 1-11-

Delhi							2003
JTMCOE, Faizpur. (M.S.), NMU, Jalgaon.	Lecturer	Regular	Teaching, research and Consultancy	2200- 4000/- (pre- revised)	10 -9- 1996	31-10- 1998	
SESCOE, Navalnagar (M.S.), NMU, Jalgaon	Lecturer	Regular	Teaching	2200- 4000/- (pre- revised)	6-01- 1996	09-09- 1996	
Niranjan Kumar Garg	Site Engineer	Regular	Field work	Rs 3500/-	1-8-93	1-8-94	

Summary:

- I. **Teaching Experience:**
- P.G. Classes (in Years) : 18 Years
U.G. Classes (in Years) : 20 Years
- II. **Research Guidance:**
- UG project : 50
PG Dissertation : 41
Ph.D. Thesis : 06 (Completed)
: 00 (Submitted)
: 08 (Ongoing)

List of PhD Thesis Guided

S. No.	Topic	Year	Name of Student
1.	Rainfall Induced Landslide - Detection and Development of Early Warning System	2023	Abhishek Prakash Paswan, DTU, Delhi
2.	Analysis of Excavation Support System with Soil Nail of Different Profiles	2023	Archita Goyal, DTU, Delhi
3.	Landslide micro zonation in Himalayan Region using Geospatial Tools	2023	Sandeep Panchal, DTU, Delhi
4.	Modelling of Tunnel Behaviour under Static Load	2022	Parvesh Kumar, DTU, Delhi
5.	A Study on Engineering Behaviour of Geosynthetics Reinforced Soil	2020	Ankur Mudgal, DTU, Delhi
6.	Cyclic Shear Behaviour of Jointed Rocks Under CNL and CNS Boundary Conditions	2016	Sayed Mohammad Mahdi Niktabar, IIT Delhi

List of Ongoing PhD

S. No.	Year	Name of Student	Co-Supervisor
1	2023- Present	Sachin Sharma (Part-Time)	Prof. M. Kumar ¹
2	2023- Present	Ayushi (Full-Time)	Dr. P. K. Goyal ¹
3	2022- Present	Gaurav Bharti (Part-Time)	
4.	2022-Present	Kunwar Navodit Srivastava (Full-Time)	Dr. Ritu Raj ²
5.	2021- Present	Shailesh Gupta (Full-Time)	Prof. M. Kumar ¹

List of M.E./ M.Tech. Thesis Guided

S. No.	Topic	Year	Name of Student
1.	Early warning system for rainfall induced landslides using rainfall threshold and slope stability analysis	2021-23	Er. Akash Bhardwaj
2.	Experimental and modelling analysis of soil slope having vetiver grass and rice husk ash	2021-23	Er. Shivam Panchal
3.	Study of stabilization of slope using Geocomposite or Geotextile	2021-23	Er. Shubham Singhal
4.	Proposal for foundation systems for construction in marshy/soft soil in Ganderbal region of J&K	2021-23	Er. Sadaf Mir
5.	Design of Deep Excavation with Different Methods	2021-22	Er. Akash Ojha
6.	Stability Assessment of Slopes Along NH-44, Jammu- Srinagar	2021-22	Er. Sehla Gowhar
7.	Numerical Analysis of Screw Piles in Cohesionless Soil	2021-22	Er. Ashish Thakur
8.	Effect of Shape of Tunnel on Its Stability	2021-22	Er. Abhishek Patel

9.	Reinforced Soil as an Alternative for Settlement Reducer Under Various Loads	2020-21	Er. Shubham Gupta
10.	Analysis and Use of Dispersion Curve for Calculation of Bearing Capacity	2020-21	Er. Vishal Verma
11.	Effect of Weathering on Strength and Deformation of Sedimentary Rock	2019-20	Er. Mohd. Anas
12.	Effect of Bedding and Shearing Plane on Shear Behaviour of Sedimentary Rock	2019-20	Er. Jitendera Kumar
13.	Stress and Deformation Behaviour of Circular Tunnels Situated in Rock Mass	2019-20	Er. Akash Chandra Manik
14.	Numerical Simulation of Pull-Out Test on Cable Bolts	2019-20	Er. Sikha Singh
15.	Parametric Analysis of Piled Raft Foundation Using Midas Gts Nx	2019-20	Er. Shivangi Vashisht
16.	Selection of Constitutive Model for Soil-Structure Interaction in Finite Element Analysis	2019-20	Er. Nasasira Derrick
17.	Physical modeling of rainfall-induced landslide	2017-18	Er. Abhishek Prakash Paswan
18.	Physical modelling of tunnels under static loading	2017-18	Er. Akshay Kumar
19.	Bearing capacity of shallow foundations on jointed rock	2016-17	Er. Neeraj Gupta
20.	Soil nailing for stability of the slopes	2016-17	Er. Surender Singh
21.	Micro piles for reinforcing steep slopes	2015-16	Er. Devashish Raghav
22.	Study of effect of orientation of single pile and pile in pile group under lateral loading	2015-16	Er. Nakul Negi
23.	Effect of bentonite drilling fluid on skin resistance of the pile	2014-15	Er. Subham Vishwakarma
24.	Frictional Resistance of polymer fluid as a bore hole stabilizer	2014-15	Er. Deepanshu Jain
25.	Numerical modeling of piled raft foundation	2013-14	Er. Sarika Awasthi
26.	Interaction Between pile and raft in piled raft foundation	2013-14	Er. Himanshu Mandia
27.	Geotechnical characterization of some Indian rocks	2012-13	Er. Syed Md Yousuf
28.	Shear behavior of unequal jointed rock	2012-13	Er. Kamal Bhakhatyapuri
29.	Dilation characteristics of rock joints	2011-12	Er. Reena Negi
30.	Deflection study of RCC load bearing wall and slab	2010-11	Er. Vandana Singh
31.	Compatibility analysis of Cement (PPC) with superplasticizer	2010-11	Er. Akancha Srivastava
32.	Fluidity and workability of cement (OPC) and Super plasticizer	2010-11	Er. Varun agrawal
33.	Effect of orientation of shear walls in R.C.C structures	2009-10	Er. Ganesh Prasad Gaur
34.	Performance analysis of pile raft foundation	2009-10	Er. Ravi Kumar Agrahari
35.	To study the anchorage requirement of beam reinforcement at exterior beam column junction for bars bent up for curved profile	2008-09	Er. Subhashis Mitra

36.	To study the anchorage requirement of beam reinforcement at exterior beam column junction for bars bent up at 90 degree	2008-09	Er. Lalit Kumar Solanki
37.	Comparative study of fatigue capacity of conventional and hemispherical hull structure for FPSOs	2008-09	Er. M. Ashok Kumar
38.	Stress analysis on railway bridge by using sensors	2007-08	Er. Sanjay Sharma
39.	Geotechnical characterization of construction and demolition waste	2007-08	Er. Rajiv Goel
40.	Axially and laterally loaded piles in liquefiable soil	2005-06	Er. Pankaj Jain
41.	Design of trench drain for stratified soil using FEM	2005-06	Er. Siva Kumar Kumar apu

16. Administrative Experience:

Institution	Designation	Nature of Duties	Date of Joining	Date of Leaving
Delhi Technological University, Delhi	Dean (Outreach & Extension Activities)	Service to the societies and collaboration with external agencies for the benefit of poor and deprived of persons of the society.	30.7.21	Till date
Delhi Technological University, Delhi	Chief Project Officer	Looking into the Construction and maintenance of DTU main and east campus as Head of the Engineering Cell of the University	1.1.2022	Till Date
Delhi Technological University (DTU), Delhi	Estate Officer	Looking into the management of all infrastructure, including allotment of the office, lab and residence of the University as Head of the Estate Office of the University	1.1.2022	Till Date
Delhi Technological University (DTU), Delhi	Associate Dean (Outreach & Extension Activities)	Service to the societies and collaboration with external agencies for the benefit of poor and deprived of persons of the society and coordinate with Dean (OEA).	01.01.18	29.7.21
Delhi Technological University (DTU), Delhi	Project Officer	Looking into the Civil work in respect of Construction and maintenance of DTU main Campus.	12.3.13	31.7.2015
Delhi Technological University (DTU), Delhi	Officer In charge Civil Enquiry	Looking into the maintenance work of DTU main Campus.	10.9.10	31.7.2012

17. Awards /Prizes/Honor's / Recognitions:

1.	Member of Technical Committee constituted by MoE, Higher Education, Govt. of India to for Geotechnical Investigation of the Campus site of Central University of Kashmir w.e.f 12.5.21
2.	Received research excellence award on the basis of research publication in the Year 2018 at DTU, New Delhi.
3.	Received appreciation letter from UNESCO for contribution as convener of international workshop from 8-19 August 2010 on Climate Change and Water Resources in South Asia, jointly organized by UNESCO, COLUMBIA University (USA) and DTU, Delhi.
4.	IGS-H.C. Verma Diamond Jubilee Award for "Innovative Instrument Design" titled: Designing and developing a large-scale direct shear testing machine for Rock Mass under CNL and CNS boundary conditions by Amit Kumar Srivastava and Jattinder Singh for the years 2010-2011 .
5.	Received First Prize in the State Level Technical Paper Competition-1997, organized by ENGINEERS FORUM, CHIPLUN (M.S.).

➤ **Fields of Specialization under the Subject/Discipline**

1. Civil Engineering
2. Geotechnical Engineering
3. Sustainable Construction Practices

➤ **Reviewer of the Journal**

1. International Journal of Geomatics, Natural Hazards and Risk Published by Taylor and Francis
2. International Journal of Geotechnical and Geological Engineering
3. International Journal of Rock Mechanics and mining sciences
4. Geotechnical Testing Journal of ASTM and many more

➤ **International Conference attended and presented the paper outside of India**

1. Participated in Geo Congress 2012, organised by Geo Institute of American Society of Civil Engineering 2012 at Oakland, California USA.
2. Participated in EUROCK-2014, organised by ISRM European Rock Mechanics Society at Vigo Spain.
3. Participated in 4th World Congress on Civil, Structural, and Environmental Engineering (CSEE'19), Rome, Italy – Rome.

18. List of Publications

A. Journal International

➤ SCI/SCIE:

1. Niktabar, S.M.M., Rao, K.S., **Shrivastava, A.K.** et al. Effect of load frequency and amplitude of displacement on soft synthetic rock joints under cyclic shear loads. *Bull Eng Geol Environ* 83, 389 (2024). <https://doi.org/10.1007/s10064-024-03864-x>
2. Paswan, A.P., **Shrivastava, A. K.** (2023), Study of rainfall-induced landslide using self-developed tilt monitoring system: a physical and numerical modelling approach. *Journal of Applied and Regional Geology*. (Accepted on 17, November 2023)
3. Goyal, A., & **Shrivastava, A. K.** (2023), “A novel heuristic and tunicate centered ANFIS and RCCRD optimization for soil nailing using a numerical approach,” *Soil Dyn. Earthq. Eng.*, vol. 176, no. October 2023, p. 108289, 2024, doi: 10.1016/j.soildyn.2023.108289.
4. Panchal, S., **Shrivastava, A. K.** Debris failure susceptibility mapping using information value method. *Sadhana* 48, 119 (2023). <https://doi.org/10.1007/s12046-023-02167-3>
5. Niktabar, S.M.M.; Rao, K.S.; **Shrivastava, A. K.**; Ščučka, J. Effect of Varying Normal Stiffness on Soft Rock Joints under Cyclic Shear Loads. *Materials* 2023, 16, 4272. <https://doi.org/10.3390/ma16124272>
6. Paswan, A.P.; **Shrivastava, A. K.** Evaluation of a Tilt-Based Monitoring System for Rainfall-Induced Landslides: Development and Physical Modelling. *Water* 2023, 15, 1862. <https://doi.org/10.3390/w15101862>
7. Goyal, A, **Shrivastava, A. K.** Optimization of helical soil nailing behaviors by response surface methodology and hybrid Coot optimization. *Int J Numer Anal Methods Geomech.* 2023; 47: 1658–1680. <https://doi.org/10.1002/nag.3533>
8. Goyal, A., & **Shrivastava, A. K.** (2022). Heliyon Analysis of conventional and helical soil nails using finite element method and limit equilibrium method. *Heliyon*, 8(June), e11617. <https://doi.org/10.1016/j.heliyon.2022.e11617>
9. Kumar,P. and **Shrivastava,A.K.** (2022).Development of a testing facility to determine the Stress-Deformation behaviour of tunnel. *Journal of environmental protection and ecology*,23(3),946-956.
10. Parvesh Kumar, **Amit Kumar Shrivastava** (2022), Experimental and numerical analysis of deformation behaviour of tunnels under static loading conditions,*Sustainable Energy Technologies and Assessments*,Vol 52. <https://doi.org/10.1016/j.seta.2022.102057>

11. Paswan AP, **Shrivastava AK** (2022) Modelling of rainfall - induced landslide : a threshold - based approach. Arab J Geosci 15:1–19. <https://doi.org/10.1007/s12517-022-10024-6>
12. Kumar, P.; **Shrivastava, A.K.** Physical Investigation of Deformation Behaviour of Single and Twin Tunnel under Static Loading Condition. Appl. Sci. **2021**, *11*, 11506. <https://doi.org/10.3390/app112311506>
13. **Shrivastava, A. K.**, & Rao, K. S. (2022). Shear behaviour of infilled rock joints under different boundary conditions. Proceedings of the Institution of Civil Engineers - Geotechnical Engineering, 1–40. <https://doi.org/10.1680/jgeen.21.00060>
14. Panchal, S., & **Shrivastava, A. K.** (2022). Landslide hazard assessment using analytic hierarchy process (AHP): A case study of National Highway 5 in India. Ain Shams Engineering Journal, 13(3), 101626. <https://doi.org/10.1016/j.asej.2021.10.021>
15. Panchal, S.; **Shrivastava, A.K** (2021), “A Comparative Study of Frequency Ratio, Shannon’s Entropy and Ana-lytic Hierarchy Process (AHP) Models for Landslide Susceptibility Assessment. ISPRS Int. J. Geo-Inf. 2021, doi.org/10.3390/ijgi10090603.
16. Niktabar. S. M. M. Rao, K.S, and **Shrivastava, A.K.** (2018). “Automatic Static and Cyclic Shear Testing Machine under Constant Normal Stiffness Boundary Conditions”, ASTM, Geotechnical Testing Journal, <https://doi.org/10.1520/GTJ20170083>. ISSN 0149-6115, Vol:41 (3), pp 508-525.
17. **Shrivastava, A.K.** and Rao, K.S. (2018) “Physical Modelling of Shear Behaviour of Infilled Rock Joints under CNL and CNS Boundary Condition”, **Rock Mechanics and Rock Engineering**”, Vol:51, DOI10.1007/s00603-017-1318-8, pp 101-118.
18. Niktabar. S. M. M. Rao, K.S, and **Shrivastava, A.K.** (2017). “Effect of Rock Joint Roughness on its Cyclic Shear Behavior”, **Journal of Rock Mechanics and Geotechnical Engineering**, DOI 10.1016/j.jrmge.2017.09.001, Vol 9(7), pp 1071-1084.
19. **Shrivastava, A.K. and** Rao, K.S. (2013) “Development of Large-Scale Direct Shear Testing Machine for Unfilled and Infilled Rock Joints under Constant Normal Stiffness Condition”, ASTM, Geotechnical Testing Journal, Vol. 36, No.5, pp.670-679.

➤ **ESCI:**

1. Gowhar, S., Hussain, M. & **Srivastava, A.** Stability Assessment of Slopes under Normal Weather and Heavy Rainfall Conditions in the Himalayan Region. Transp. Infrastruct. Geotech. (2023). <https://doi.org/10.1007/s40515-023-00314-1>
2. Panchal, S., & **Srivastava, A. Kr.** (2022). Expert based landslide susceptibility mapping for energy infrastructure planning. Journal of Information and Optimization Sciences, 43(3), 635–641. <https://doi.org/10.1080/02522667.2022.2054999>

3. Sandeep Panchal & **Amit Kumar Shrivastava** (2020) Application of analytic hierarchy process in landslide susceptibility mapping at regional scale in GIS environment, *Journal of Statistics and Management Systems*, 23:2, 199-206, DOI: 10.1080/09720510.2020.1724620.
4. Mittal. A. and **Shrivastava, A.K.**, (2020), “Stress - Strain Characteristics of Landfill Clay Cover Barriers with Geogrid Reinforcement”, *International Journal of Innovative Infrastructure Solutions*”, DOI: 10.1007/s41062-020-0263-7
5. **Shrivastava, A.K.**, Vishwakarma, S. and Jain, D. (2016) “Frictional Resistance of Drilling Fluids as a Bore Hole Stabilizer”, Springer, *International Journal of Geo-Engineering*, Vol:7, No:12, DOI 10.1186/s40703-016-0026-7.
6. **Shrivastava, A.K.** and Rao, K.S. (2015) “Shear Behaviour of Rock Joints under CNL and CNS Boundary Condition”, Springer, *International Journal of Geotechnical and Geological Engineering*, Vol.33, No.5, pp 1205-1220, doi 10.1007/s10706-015-9896-2.

➤ **SCOPUS:**

1. Kumar, P., **Shrivastava, A.K.** Physical and numerical modelling of single tunnels under static loading conditions. *Arab J Geosci* 16, 278 (2023). <https://doi.org/10.1007/s12517-023-11369-2>
2. Shikha Singh & **A. K. Shrivastava** (2021) “Numerical Simulation of Pull-Out Test on Cable Bolt using 3DEC Software” Elsevier proceedings with *Materials Today* 45 (7), pp 6332-6340, DOI: 10.1016/j.matpr.2020.10.745.
3. Panchal, S., & **Shrivastava, A. Kr.** (2020). Landslide Susceptibility Mapping Along Highway Corridors in GIS Environment (pp. 79–89), *Lecture Notes in Civil Engineering*, https://doi.org/10.1007/978-981-15-2545-2_8
4. Mudgal, A. Sarkar, R., **Shrivastava, A.K.**, (2019), “Effect of 3D Geogrid and Glasgrid in the Bearing Capacity of Square Footing over Soil Slope”, *International Journal of Recent Technology and Engineering*, ISSN 2277-3878, Vol: 8(2), pp 207-212.
5. Mudgal, A. Sarkar, R., **Shrivastava, A.K.**, (2019), “Bearing Capacity Behaviour of Geosynthetics Reinforced Soil”, *International Journal of Innovative Technology and Exploring Engineering*, ISSN 2277-3878, Vol: 8(8), pp 2974-2979.
6. Mudgal, A., Sarkar, R. and **Shrivastava, A.K.** (2018) “Influence of geotextiles in enhancing the shear strength of Yamuna sand”, *IJAER*, Vol: 13 (2), pp 10733-10740.

7. Singh, S. and **Shrivastava, A.K.** (2017). "Effect of Soil Nailing on Stability of Slopes", International Journal for Research in Applied Science & Engineering Technology (IJRASET), vol 5 (10), pp 752-763.
8. **Shrivastava, A.K.**, Kumar, M. (2016), "Compatibility Issues of Cement with Water Reducing Admixture in Concrete, Elsevier International Journal, Perspectives in Science, Vol 8, pp 290-292, <http://dx.doi.org/10.1016/j.pisc.2016.04.055>.
9. **Shrivastava, A.K.**, Jain, A., Kansal, D. and Gupta, S. (2015), "Modification of the Casagrande's Equation of Phreatic Line", International Journal of Civil Engineering and Technology, Vol.6, No.5, pp 01-13, ISSN 0976-6308 (print) and ISSN 0976-6316 (online).
10. Niktabar. S. M. M. Rao, K.S, and **Shrivastava, A.K.** (2015). "Shear Behaviour of Synthetic Joints Under Cyclic Shear Loads", Special Publication, Journal of Engineering Geology, pp 277-286, ISSN: 0970-5317.
11. S. Anbu Kumar, Munendra Kumar, **Amit Kumar Shrivastava** and P.B. Sharma (2013) "Hydrodynamic Stability of Fluid Flow through A Flexible Tube by Energy Method for Non-Axisymmetric Disturbances N = 4 Modes", International Journal of Earth Sciences and Engineering, Vol. 06, No.01, P.P. 128-135.
12. **Shrivastava, A.K.**, Rathod G.W. and Rao K.S. (2012) " Numerical Simulation of Direct Shear Test on Rock Sample ", American Society of Civil Engineering, GSP, vol. 225, pp 2177-2186.
13. Rathod, G.W., Varughese, A., **Shrivastava, A.K.** and Rao, K.S. (2012) "Stability Analysis of Jointed Rock Slope Evaluated by 3DEC: A Case study", American Society of Civil Engineering, GSP, vol. 225, pp-2382-2391.
14. Rathod, G.W., **Shrivastava, A.K.** and Rao, K.S. (2011) "Distinct Element Modelling for High Rock Slopes in Static and Dynamic Conditions" American Society of Civil Engineering, GSP, vol. 224, pp 484-492.

B. Journal National

➤ SCOPUS

1. Kumar, M., **Shrivastava, A.K.**, and Kumar, A. (2011), "Stability of complinet pipe flow by energy method for non axisymmetric disturbances (n=3)" journal of ship technology, Vol.7, No.1, pp 57-66.

C. Key Note Lecture

1. **Shrivastava, A.K.** (2020), "Sustainable and Economical Geopolymer concrete" E-National Conference in Science and Technology" 15th- 16th June 2020 at S B Patil College of Engineering, Pune (MS)

2. **Shrivastava, A.K.** (2020), “Sustainable & Economical Concrete- Indian Case Studies” CSM International Webinar on Construction Material in Greenation Era (Series 1: Challenges in Concrete Technology), 13th August 2020 organised by Concrete Society of Malaysia and American Concrete Institute.
3. **Shrivastava, A.K.** (2019), Sustainable Construction Practices for Foundation, TEQIP-III sponsored one day workshop on, Recent advances in Geotechnical Engineering- From Theory to Practices organized by Civil Engg. Deptt at MITS Gwalior on 19.10.2019.
4. **Shrivastava, A.K.** (2013) “Effect of Ground Water Quality & Quantity due to rapid construction” on 20.9.13 in water sector training and capacity building programme organised by Delhi Technological University (DTU), India and Nanyang Technological University (NTU), Singapore.
5. Rao, K.S. and Shrivastava, A.K. (2012) “Physical Modelling of Shear Behaviour of Jointed Rocks under CNL and CNS Boundary Conditions”, Key Note Lecture in Korean Geotechnical Conference, Seoul, Korea pp 31-44.
6. Rao, K.S, Tiwari, R.P. and Shrivastava, A.K. (2012) “Physical Modelling of Jointed Rock Mass under Different Stress States”, Keynote Lecture in Indian Geotechnical Conference-2012, 13-15 Dec 2012, IIT Delhi, pp 54-63.
7. Rao, K.S. and Shrivastava, A.K. (2011) “Physical and Numerical Modelling of Shear Behaviour of Jointed Rocks under CNL and CNS Boundary Conditions”, Key Note Lecture in INDOROCK-2011, 13-15 Oct.2011, IIT Roorkee, pp 13-24.
8. Shrivastava, A.K., A.K. Gupta, M.Kumar (2011), “Compatibility of Cement with Water Reducing Admixture”, Key Note Lecture in Asian Cement Summit,13-15 Oct 2011 Delhi.

D. Expert Lecture

1. **Shrivastava, A.K.** (2022), “Sustainable & Economical Concrete- Indian Case Studies, on 29.7.22 during two weeks Short Term Course on "Advanced Construction Materials and Techniques for Roads, Buildings, Bridges and Other Civil Engineering Structures" from 18-29 July 2022. Teachers of engineering colleges and polytechnics from all over the country.
2. **Shrivastava, A.K.** (2021), “Sustainable & Affordable Housing Solution- Case Studies”, on 3.3.21 during one-week TEQIP-III sponsored STC on Sustainable Energy and Environmental Technologies, Organized by GE, Ajmer and VJTI, Mumbai.
3. **Shrivastava, A.K.** (2020), “EFFECT OF BOUNDARY CONDITIONS FOR SUSTAINABLE ANALYSIS AND DESIGN OF SHALLOW TUNNELS” on December 17, 2020 during one-week TEQIP

Sponsored Short Term Training (STTP) on Metro –Rail Construction and management during 14th to 18th December 2020 organized by SVNIT Surat.

4. **Shrivastava, A.K. (2020)**, “Good Construction Practices”, on 26.11.2020 during One Week Online Short-Term Training Programme “STRUCTURAL AUDIT FOR EARTHQUAKE SAFETY” November 24-28, 2020, organized by Department of Civil Engineering, Delhi Technological University & National Institute of Disaster Management, Ministry of Home Affairs, GOI.
5. **Shrivastava, A.K. (2020)**, “SUSTAINABLE & AFFORDABLE HOUSING SOLUTION- CASE STUDIES “on November 7, 2020 organized by Delhi School of Journalism, Faculty of Social Science, University of Delhi.
6. **Shrivastava, A.K. (2020)**, “Sustainable & Economical Construction Practices” on 3 October, 2020 organized by NSUT WEST CAMPUS, CBPGEC JAFFRUPUR, Delhi.
7. **Shrivastava, A.K. (2020)**, “SUSTAINABLE AND ECONOMICAL CONSTRUCTION – CASE STUDIES” AICTE Sponsored Six Days Online Sttp On “Life Cycle Assessment and Structural Health Monitoring of Structures” Phase Ii (23rd - 28th November 2020), organised by VIT, Chennai.
8. **Shrivastava, A.K. (2020)**, “SUSTAINABLE, DURABLE AND ECONOMICAL CONSTRUCTION PRACTICES” AICTE & ISTE Sponsored One Week ONLINE Faculty Development Programme on Curriculum for Sustainability, 16th – 21st Nov 2020.
9. **Shrivastava, A.K. (2020)**, “Innovation in Geotechnical Investigations, Design and Construction of Bridges” during one-week STC during 6th to 20th Jan 2020 on “Innovation in Geotechnical Investigations, Design and Construction of Bridges” organized by Civil Engineering Department, NITTTR, Chandigarh on 6.1.2020.
10. **Shrivastava, A.K. (2020)**, “SUSTAINABLE & COST-EFFECTIVE CONSTRUCTION PRACTICES” training program for working professional of WABCOS, Gurgaon (Haryana) on 12.1.2020.
11. **Shrivastava, A.K. (2019)**, “LANDSLIDES CONTROL TECHNIQUE”, during One Week TEQIP-III sponsored FDP on “Disaster Mitigation and Management, organized by Department of Civil Engineering, Delhi Technological University during 25th to 29th November 2019.
12. **Shrivastava, A.K. (2019)**, “LANDSLIDE EARLY WARNING SYSTEM”, during One Week TEQIP-III sponsored FDP on “Disaster Mitigation and Management, organized by Department of Civil Engineering, Delhi Technological University during 25th to 29th November 2019.
13. **Shrivastava, A.K. (2018)**, “Rainfall Induced Landslides”, on 25.9.18 during one week FDP on Major Construction in Hilly Areas- Challenges and Mitigation Measures, organized by GL Bajaj Institute of Technology and Management, Noida and sponsored by Dr A P J Abdul kalam Technical University during 25th to 29th Spt. 2018

E. Publications in National and International Conferences

➤ Publication in conference with ISBN/ISNN

1. Paswan AP, **Shrivastava AK** (2022) Numerical modelling of rainfall-induced landslide. In: International e-Conference on Sustainable Development & Recent Trends in Civil Engineering. pp 8–13
2. Paswan AP, **Shrivastava AK** (2022) Stability analysis of rainfall-induced landslide. In: 3rd International Online Conference on Emerging Trends in Multi-Disciplinary Research “ETMDR-2022.” pp 505–509
3. Goyal, A., & **Kumar Shrivastava, A.** (2021). Application of different type of soil nails for slope stabilization. In International conference on Advancement and Innovations in Civil Engineering (pp. 26–30). ISBN 978-93-90214-19-8
4. Kumar,P. and **Shrivastava,A.K.** (2019).” Stability of Single Tunnel in Rock under Static Loading Condition” 8th Indian Rock Conference 4-5 November, 2019. ISBN 81-86501-27-1, pp-424-429.
5. Kumar,P. and **Shrivastava,A.K.** (2017).” Various Factors Effecting Stability of Underground Structure: A State of Art” 7th Indian Rock Conference 25-27 October, 2017. ISBN 81-86501-25-1, pp-576-580.
6. Niktabar. S. M. M. Rao, K.S and **Shrivastava, A.K.** (2016), Shear behaviour of infilled joints under cyclic loads and constant normal stiffness boundary conditions. 7th International Symposium on In-Situ Rock Stress (RS 2016), Tampere, Finland, May 10-12, 2016, pp 558-567, ISBN 978-951-758-606-1.
7. Niktabar. S. M. M. Rao, K.S and **Shrivastava, A.K.** (2016), Shear behaviour of regular and irregular rock joints under cyclic condition. 3rd International Symposium on Mine Safety Science and Engineering (ISMS-2016), McGill University, Montreal, Canada, August 13-19, 2016, pp 193-198, ISBN: ISBN 978-1-77247-005-5.
8. **Shrivastava, A.K.** and Rao, K.S. (2014), “Effect of infill thickness on shear behaviour of jointed rock under CNS condition”, EUROCK -2014, VIGO, Spain, pp.167-172, Print ISBN:978-1-138-00149-7, eBook ISBN: 978-1-315-74952-5, DOI: 10.1201/b16955-25.
9. Kumar, A.M, Kumar, A.S., **Shrivastava, A.K.** (2010) “A Preliminary Study Unveiling the Concept of Hemispherical Hull Structure for FPSOS – with Special Emphasis on Fatigue Damage”, ASME, June 6-11, 2010, Shanghai, China, Vol.2, pp. 363-368, ISBN: 978-0-7918-4910-1 | eISBN: 978-0-7918-3873-0.

➤ Publication in Conference SCOPUS

1. Panchal,S. and **Shrivastava, A.K.** (2020), “Landslide Susceptibility Mapping Along Highway Corridors in GIS Environment”, International Conference on Smart Cities—Opportunities and Challenges pp 79-89, Lecture Notes in Civil Engineering book series (LNCE, volume 58) of Springer.
2. Mittal. A. and **Shrivastava, A.K.**, (2019), “Settlement Characteristics of Landfill Clay Cover Barriers with Geogrid”, Indian Geotechnical Conference, 2019- GeoINDUS , 19-21 Dec-2019, SVNIT Surat.
3. Parvesh, K. and **Shrivastava, A.K.** (2019). “Deformation Behaviour of Tunnels under Different Loading Conditions: State of Art, Proceedings of the 4th World Congress on Civil, Structural, and Environmental Engineering (CSEE’19), Rome, Italy – April 7-9, 2019, ICGRE 130-1 to 5.
4. Niktebar, S.M.M, **Shrivastava, A.K.** and Rao, K.S. (2014) “Shear Behaviour of Natural Rock Joint Under CNS Condition” Indian Geotechnical Conference 2014, 18-20 Dec 2014, Kakinda, pp 1816-1825.
5. **Shrivastava, A.K.** and Rao, K.S. (2013), “Shear Behaviour of Rock Joints under CNS Boundary Conditions”, 18th International Conference on Soil Mechanics and Geotechnical Engineering, Paris, France Spt 2-6, pp.961-964.
6. **Shrivastava, A.K.**, Rao, K.S. and Rathod, G.W. (2012) “Numerical Simulation of Direct Shear Test on Infiled Rock Joint”, Indian Geotechnical Conference -2012, 13-15 Dec, Delhi pp. 751-754.
7. Rao, K.S. and **Shrivastava, A.K.** (2011). “Shear Behaviour of Jointed Rock under CNL and CNS.Conditions”, Key Note Lecture in INDOROCK-2011, 13-15 Oct.2011, IIT Roorkee, pp. 13-24.
8. **Shrivastava, A.K.**, Rao, K.S. and Rathod, G.W. (2011) "Shear Behaviour of Infill Joint under CNS Boundary Condition", Indian Geotechnical Conference, 2011, 15- 17 Dec 2011
9. Rao K.S., Rathod, G.W. and **Shrivastava, A.K.** (2011) "Seismic Stability of Jointed Rock Slopes Evaluated by UDEC", International Conference on Advances in Geotechnical Engineering (ICAGE 2011), 7-9 November 2011, Perth, Australia.
10. **Shrivastava, A.K.**, Rao, K.S. and Rathod, G.W. (2011) "Shear Behavior of Rock under Different Normal Stiffness", 12th International Congress on Rock Mechanics, 16-21 October 2011, Beijing, China, pp 831-835.
11. Varughese, A., Rathod G.W., **Shrivastava, A.K.** and Rao, K.S. (2011) "Application of Numerical Modelling in Optimization of Jointed Rock Slope", SLOPE STABILITY 2011, International Symposium on Rock Slope Stability in Open Pit Mining and Civil Engineering, 18-21 Sept. 2011, Vancouver, Canada.
12. **Shrivastava, A. K.**, Rao, K.S. (2011), “Shear Behaviour of Non planar Rock Joint”, 14th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering, 23 -27 May 2011, Hong Kong, China, p296_147.
13. **Shrivastava, A. K.**, Rao, K.S. (2010) “Numerical Simulation for Direct Shear Test for rock,” Indian Geotechnical Conference 2010, 16-18 Dec 2010, IIT Mumbai, pp 887-890.

14. **Shrivastava, A. K.,** Rao, K. S. (2010) “Estimation of Contact Area Undergoing Shearing for the rock mass”, Indian Geotechnical Conference 2010, 16-18 Dec 2010, IIT Mumbai, pp 891-894.
15. **Shrivastava, A.K.,** Rao, K.S. (2010) “Effect of Boundary Conditions on Shear Behaviour of Rock Joint”, ISRM International Symposium and 6th ARMS, 23-27 Oct, 2010, Delhi.
16. Rao, K.S., **Shrivastava, A.K.,** Singh, J. (2009) “Development of an Automated Large Scale Direct Shear Testing Machine for Rock”, Indian Geotechnical Conference 2009, 17-19 Dec., 2009, pp 238-244.
17. **Shrivastava, A.K.,** Rao, K.S. (2009), “Shear Behaviour of Jointed Rock: a State of Art” Indian Geotechnical Conference 2009, 17-19 Dec., 2009, pp 245-249.
18. Rao, K.S., **Shrivastava, A.K.,** Singh, (2009) “Universal Large Scale Direct Shear Testing Machine for Rock”, INDOROCK 2009, 12-13 Nov. 2009, New Delhi.
19. **Shrivastava, A.K.,** S. K. Singh, Prabhat Agrawal, Ayush Jain, (2009) “Selection of Paint for Energy Efficient Building”, National Seminar on Sustainable Home Ecologies: Assessing Strength Main Streaming of Green Buildings” at JNU, New Delhi, pp 53-55.
20. **Shrivastava A.K.,** Singh S.K., & A. Gerg, (2008) “Air Quality Assessment in Delhi after CNG”, National Seminar on Vehicular pollution in Delhi an assessment held at DCE, Delhi, pp17-23.
21. **Shrivastava, A.K,** Trivedi, A and Gupta, A.K. (2006) “Construction and Demolition Waste as Highway Material”. Proc. of National Conference on Civil Engineering: Meeting the Challenges of Tomorrow, Ludhiana, India, pp. 298-301.
22. Kumar, V. and **Shrivastava, A.K.** (2002) “Degradation in quality of Technical Education –Causes and possible Remedies”. National Seminar on Trends in Technical Education, New delhi, India, pp.4-13.
23. **Shrivastava, A.K,** Srivastava, U.C & Vaseem ,S. (1998) “Stabilisation of B.C Soil using industrial wastes- Geotechnical evaluation and utilization”, Proc. of Third International Congress on Environmental Geotechnics, Lisboa, Portugal, pp. 715-719.
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25. **Shrivastava, A.K.** and Malatkar, H.G. (1998) “Quality and selection procedure of a teacher –An overview”. National Seminar on Teacher vacancies in degree and diploma level technical institutions- causes and possible remedial measures, Aurangabad, India, pp. 20-25.

➤ International conference

1. Bhardwaj, A., **Kumar Shrivastava, A.,** STABILITY ANALYSIS OF RAINFALL-INDUCED LANDSLIDE USING NUMERICAL MODELLING. IGC 2022, Kochi, India.

2. Singhal, S., **Kumar Shrivastava, A.**, study of slope stability with varying slope angle. ICACE 2022.
3. Gowhar, S., **Kumar Shrivastava, A.**, & Hussain, M. (n.d.). Impact of rainfall infiltration on the stability of slopes along NH-44, Jammu-Kashmir. In International Conference on Recent Advances in Materials, Manufacturing and Thermal Engineering.
4. Goyal, A., & **Kumar Shrivastava, A.** (2022). Helical soil nail as an alternative to conventional soil nail for slope protection. In International conference on Smart Environment Management and Solutions (p. 8).
5. Panchal S., **Shrivastava A.K.** (2021) Landslide Susceptibility Assessment using Expert Weightage, poster presented online at ICEER 2021 - The 8th International Conference on Energy and Environment Research jointly organized by School of Engineering (ISEP) of the Polytechnic of Porto (P.Porto), the Dipartimento di Ingegneria of the Università degli studi "Roma Tre", and the SCIEI on September 13-17, 2021
6. Kumar, P. and **Shrivastava, A.K.** (2021). Damage Detection in Shallow Tunnels Using 3D Numerical Modelling. International Conference on “Advancements and Innovations in Civil Engineering (IC-AICE 2021)”, pp-177-181.
7. Gautam, R., **Srivastava, A. K. S.**, Gupta, S., & Sharma, V. (2020). In Situ Shear Wave Velocity from Multichannel Analysis of Surface Waves (MASW) Tests at Six Sites of Delhi Technological University. SSRN Electronic Journal. <https://doi.org/10.2139/ssrn.3554919>

➤ **BOOK CHAPTER**

1. Gupta, S., Sharma, V., Sarkar, R., **Srivastava, A.K.** (2022). Effect of Geogrid on Landslide Prevention of Soil Slope Under Static Loading. In: Adhikari, B.R., Kolathayar, S. (eds) Geohazard Mitigation. Lecture Notes in Civil Engineering, vol 192. Springer, Singapore. https://doi.org/10.1007/978-981-16-6140-2_19
2. Panchal S., **Shrivastava A.K.** (2020) Landslide Susceptibility Mapping Along Highway Corridors in GIS Environment. In: Ahmed S., Abbas S., Zia H. (eds) Smart Cities—Opportunities and Challenges. Lecture Notes in Civil Engineering, vol 58. Springer, Singapore. https://doi.org/10.1007/978-981-15-2545-2_8
3. Mittal. A. and Shrivastava, A.K., (In press), “Numerical Optimization of settlement in Geogrid Reinforcement Landfill Clay Cover Barriers”, Lecture Notes in Civil Engineering, Springer.
4. Sarkar, R., **Shrivastava, A.K.**, Mudgal, A. (2019), “An Experimental Investigation on Bearing Capacity Behaviour of Rectangular Footing over Reinforced Soft Soil Slope”, Innovation for Sustainable Infrastructure, Lecture Notes in Civil Engineering, [Ha-Minh C., Dao D., Benboudjema F., Derrible S., Huynh D., Tang A. (eds)], vol. 54, CIGOS 2019, https://doi.org/10.1007/978-981-15-0802-8_141, 883-888, Springer.
5. **Harmonising Rock Engineering and the Environment**
Chapter 144. Shear behaviour of rock under different normal stiffness

A.K. Shrivastava, K.S. Rao and G.W. Rathod

CRC Press 2011

Edited by Yingxin Zhou

Pages 167-172, Print ISBN:978-0-415-80444-8

eBook ISBN:978-0-203-13525-9

DOI: 10.1201/b11646-152

6. **Rock Engineering and Rock Mechanics: Structures in and on Rock Masses**

Chapter 22. Effect of infill thickness on shear behaviour of jointed rock under CNS conditions

A.K. Shrivastava and K.S. Rao

CRC Press 2014

Edited by Leandro R . Alejano , Áurea Perucho , Claudio Olalla , and Rafael Jiménez

Pages 167-172, Print ISBN:978-1-138-00149-7

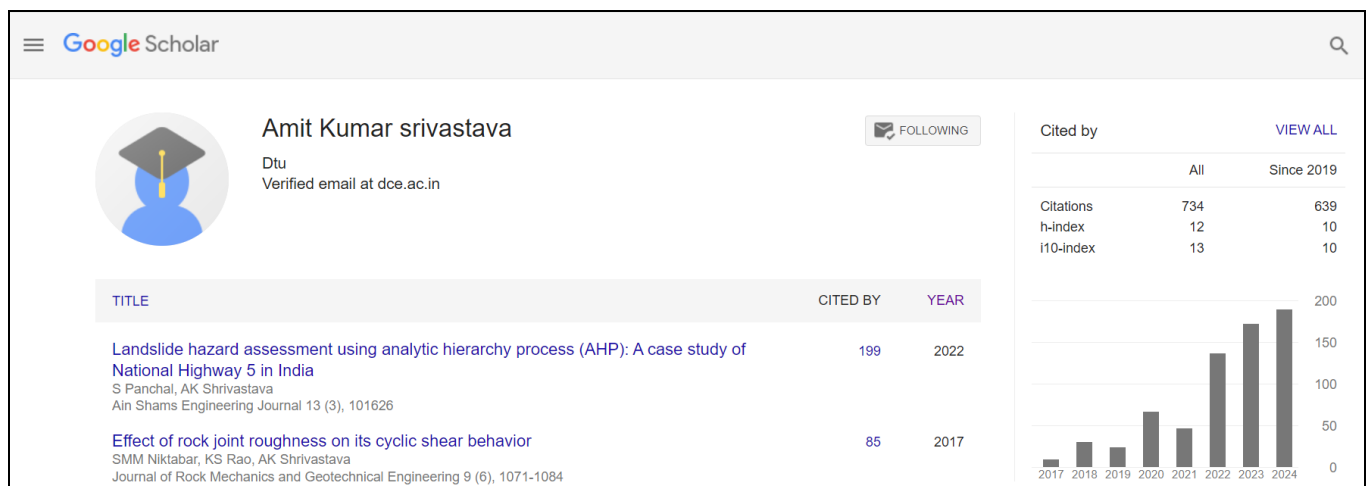
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DOI: 10.1201/b16955-25

19. **Profile on Various Platform**

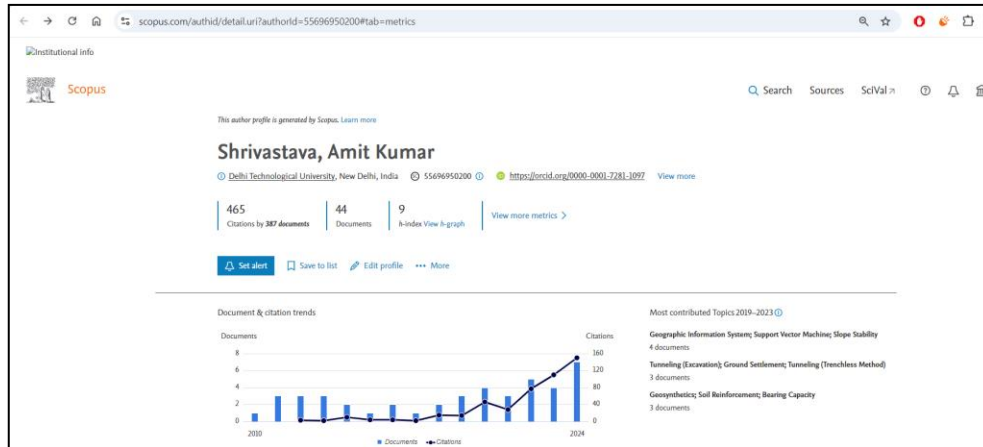
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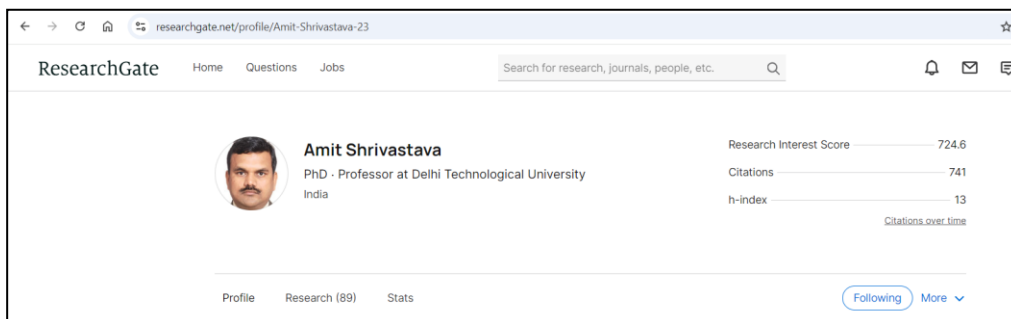
B. Scopus Profile:

URL Link: <https://www.scopus.com/authid/detail.uri?authorId=55696950200>



C. Research Gate:

URL Link: <https://www.researchgate.net/profile/Amit-Shrivastava-23>



20. Consultancy and Interaction with Industry

S.No.	Name of Project	Client	Amount	P.I./Member	Date of Start	Status
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A. Project on going

S. No.	Name of the Projects	Approved date	Amount (inclusive of GST)	Agency	Role (P.I./Co. P.I./ Team Member)
1.	Third Party Quality Assurance (TOQA) Services for Construction of Executive Enclave at Plot No. 36 and 38, New Delhi.	06-12-2022	2,58,50,000.00	CPWD, Delhi	Member
2.	Design Mix of 02 No: M30 (Shree Cement) and M30 (JK Cement) Grade of Concrete	09-11-2022	1,18,000.00	DDA, Delhi	Member
3.	TPQA -Expansion and remodeling work at Acharya Shri Bhikshu Govt. Hospital at Moti Nagar	28-01-2020	20,91,947.00	PWD, Delhi	Member
4.	C/O 750 Two BHK, 325 three BHK and 412 EWS houses (design and build Model), earmarked in pocket-13, sector A1 to A4, Narela, New Delhi	13-09-2019	2,38,74,918.00	DDA, DELHI	Member
5.	Construction of 600 two BHK, 250 three BHK and 320 EWS, houses (Design and Build Model) Earmarked in Pocket-9, at Sector A1 to A4, Narela	13-08-2019	1,46,03,863.00	DDA, DELHI	Member
6.	C/O 420 Two BHK, 225 three BHK and 250 EWS houses (design and build Model), earmarked in pocket-6, sector A1 to A4, Narela, New Delhi	20-08-2019	2,29,26,928.00	DDA, DELHI	Member
7.	TPQA towards Construction of 325 Two BHK, 170 Three BHK & 194 EWS Houses (Design & Built model) earmarked in Pkt-7 at sector-A-1 to A-4, Narela vide letter no. 54(28)/RPD-5/DDA/186	29-08-2019	93,05,000.00	DDA DELHI	Member
8.	TPQA Construction of 520 Two BHK, 250 Three BHK & 294 EWS (DESIGN & Built model) earmarked in Pkt-14, Sector-A-1 to A-4, Narela	14-06-2019	99,75,638.00	DDA, DELHI	Member
9.	C/O 625 Two BHK, 350 three BHK and 376 EWS houses (design and build Model), earmarked in pocket-3, sector A1 to A4, Narela, New Delhi	12-06-2019	1,65,08,984.00	DDA DELHI	Member

B. Project Completed

1.	Youth for Education, Directorate of Education, Govt. of NCT of Delhi	DoE, Govt. of NCT of Delhi	2,15,67,100.00	P.I.	17.6.21	Completed
2.	Construction of 821 multi storied housed (600 two BHK and 221 EWS housed) in pocket-E at Lok Nayak Puram (Bakkarwala)	DDA Delhi	84,48,800.00	P.I.	29.6.19	Completed
3.	1003 Nos. (900 Nos Type-II, 54 Nos Type-III, 33 Nos Type-IV & 16 Nos Type- V) Family Quarters including Electrical Works for Group Centre at CRPF, Gwalior (M.P.) through EPC mode. SH: 1. 54 Nos Type-III, 33 Nos Type-IV, 16 Nos Type-V Quarters and Development works.	CPWD	7200000.00	Member	2016	Completed
4.	Mix Design of M15, M20, M35 (RCC) & M35 (Pavement) grade concrete	DDA	1,82,400.00	Member	15.7.15	Completed
5.	Concrete Core Testing	I&FC Deptt, Div-VI, Delhi	8,03,700.00	Member	15.7.15	Completed
6.	Concrete Core Testing	I&FC Deptt, Div-VII, Delhi	7,69,500.00	Member	15.7.15	Completed
7.	Mix Design of M10, M20, M25 & M30 grade concrete	Jaypee Con	1,60,000.00	P.I.	17.4.15	Completed
8.	Mix Design of M25 (With or Without flyash) grade concrete	HSCC, Noida	1,14,000.00	P.I.	15.7.15	Completed
9.	Construction of 3 Nos. additional clover leaves at Sarita Vihar Fly Over	DDA	6500000.00	Member	2010	Completed
10.	Proof checking of EWS housing PoothKhurd,	Adlakha Associate	200000.00	Member	06.03.12	Completed

	Delhi	s, Delhi				
11.	Proof checking of twin block for 40 DU (G+4) within 15m height	Adlakha Associates, Delhi	330900.00	Member	21.7.11	Completed
12.	Third Party Quality Control for remodeling of drain on both side of Road No. 68 from Road No. 66 to 69	PWD, Delhi	692042.00	Co P.I.	04.11.11	Completed
13.	Third Party Quality Control for Improvement of drainage system of Road No 59 at North East Delhi	PWD, Delhi	788624.00	Co P.I.	04.11.11	Completed
14.	Third Party Quality Control for improvement of service road from Shastri Park to Kajuri Chowk	PWD, Delhi	507111.00	Co P.I.	03.11.11	Completed
15.	Concrete Mix design of M25 and M30	HIL, Life care limited, Noida	66130.00	P.I.	01.12.11	Completed
16.	Third Party Quality Control for remodeling of drain on both side of Road No. 63 from RD 0m to 2400m	PWD, Delhi	770082.00	Co P.I.	24.10.11	Completed
17.	Load test after opening at ground floor to see performance of structure	DSIDC	66055.00	Co. P.I.	23.03.11	Completed
18.	Design of job mix formula for M10, M20 and M-25	PWD, M211	66180.00	P.I.	29.03.11	Completed
19.	Design Mix for M25 to M40	NBCC	80000.00	Member	28.12.10	Completed
20.	Proof checking of door in R.C.C. Monolithic Common wall of house at Bawana	DSIDC	138000.00	Co. P.I.	17.12.10	Completed
21.	Proof checking of structural drawing of	Fontus water	44120.00	Member	3.8.10	Completed

	sewage disposal plant at AF station, Arjangerh	Ltd, Delhi				
22.	Third party quality control inspection for strengthening/ resurfacing of service road of road No. 57 and 57A	PWD, M211	153481.00	Member	28.7.10	Completed
23.	Proof checking of structural design for underground UGR (3 No)	DSIDC	2,68,200.00	Member	26.7.10	Completed
24.	Profile correction of Mall Road in front of Chhatrsal stadium to Azadpur station	PWD, M-343	30000.00	P.I.	3.6.10	Completed
25.	Design mix M20 and M25 for two type of aggregate	Ceekay Associates, Rampur	66180.00	P.I.	21.6.10	Completed
26.	Design mix M20 and M25 Co additional work	Ceekay Associates, Rampur	16545.00	P.I.	9.9.10	Completed
27.	Design Mix of M30	Sliptech, Mumbai	16545.00	P.I.	20.10.10	Completed

21. Administrative Contribution

A. Dean (Outreach and Extension Activities) w.e.f 30.7.2021: Lunching India's Largest Mentoring Program Desh Ke Mentor for School Students of Delhi Govt. School.

➤ Major Contribution:

- (i) **Unnat Bharat Abhiyaan:** Under Unnat Bharat Abhiyaan program the DTU has adopted five villages where academic and other social activities are being performed in schools of Govt of NCT of Delhi and community at large. The adopted villages are: **Shahbad Daulatpur, Prahladpur, Barwala, Siraspur, Bhalasva Jahangirpuri**

- (ii) **Lab on Wheels:** The Lab on Wheel is one of the very important Projects handled by the Centre for Extension and Field Outreach. Lab on Wheel is a very sophisticated and state-of-the-Art lab which possesses many modern/advanced gadgets and other tools required for the purpose of providing academic and other social services. It includes computers, colour TVs, internet facilities and many other gadgets.
- (iii) **Desh Ke Mentor:** It basically deals with the professional career exploration and counselling of the students studying in schools owned by Government of NCT of Delhi. The students studying in class IX to XII are enrolled for this project. Currently, the project has already enrolled more than 20,000 mentors who are giving career counselling to approximate 1 lakhs school student under “Desh Ke Mentor” project. The total strength of schools’ students is approximately 7 to 8 lakhs. The Project is going well and performing a very vital role in the overall development of school students with respect to their career counselling and professional growth. Fund allocation of Rs. 2,15,67,100.00/- awarded on 24.06.2021.
- (iv) **Exploring Engineering:** It is an annual one-week program, which is open to the Students of Class X/ XI/ XII of Private & Government Schools. There are no participation fees and free accommodation is provided to the students who join the program from outside Delhi. The participating students are allowed to explore the different branches of Engineering, Sciences, incubation center, innovative projects, and sports facilities available in the DTU. The participant can also interact with experts and faculty.

➤ **MoUs:**

- (i) With Paytm to facilitate Lab on Wheels, DTU with Rs. 83,20,000.00/- fund.
- (ii) With Sudha Kotwal to provide scholarship for five students each year.

B. Chief Project Officer and Estate Officer w.e.f 1.1. 22:

- Chief of Construction and maintenance project of DTU of about 300 crores.
- Maintaining 165 acres campus of DTU as Estate officer

➤ **Major Contribution as CPO:**

- (i) Construction of Department of Design
- (ii) Newly constructed Academic block
- (iii) Construction of Raj Soin Hall (M.P. Hall)
- (iv) Construction of Dr. A.P.J Abdul Kalam Hostel

(v) Construction of Pragyana Bhawan having 12 nos. of smart class rooms

(vi) Construction of Virangana Laxmi Bai Girls hostel

➤ **Major Contribution as Estate Officer:**

(i) **Development of Maintenance app:**

- It is a community management application usually used for various societies
- Its major function is to raise any complaint which needs to be fixed
- Facilities like venue booking are also available
- Inventory management for various commodities available within the campus

C. Associate Dean (Outreach and Extension Activities) w.e.f 1.1.2018 to 29.7 2021: Founder

Associate Dean (OEA)

- I. Design 2 credit Foundation Elective course FEC-52 on outreach activities for Ist and 2nd Year UG students
- II. Design 2 credit Foundation Elective course on Fostering Social Responsibility & Community Engagement outreach activities for Ist and 2nd Year UG students
- III. Lab on Wheel for providing academic/digital services in the nearby villages of DTU and to the society as a whole the literacy of persons for nearby
- IV. The activities carried out in last three years presented in Table below:

S.No.	Activity	AY (18-19)	AY (19-20)	AY (20-21)
1	Participating Institute of UBA	2018 onwards		
1.1	No of Village adopted	5	5	5
1.2	Village survey		5	
1.3	House hold survey		200	
2	Conducting classes in Govt. Schools under USIP (outreach)	13	20	
2.1	Intern of USIP (outreach) participating	35	30	

3	FEC-52 Extension and outreach activities) started for 1 st and 2 nd year B. Tech students wef AY 2019-20	--	243	40 (first yr students not joined and one semester is remaining)
4	Exploring Engineering one week workshop for X to XII std. students	80	180	--
5	Open house for school students	95	130	Mega open house planned in April 2020 postponed due to covid 19
6	Open house for nearby institute students and faculty	--	35	
7	Two days' workshop on motivation for HOS/Principals of Govt Schools	--	80	--
8	DTU with Delhi Police started Skill development program through one-month basic computer training to Juveniles in conflict with law/ weaker section in Rohini	--	--	25
9	National Level Awareness Program (NLAP) conducted in association with KVIC (Khadi Village and Industries Commission), MSME, Govt of India	--	200	--
10	Online training / webinar participants have been awarded with E-Certificate			
10.1	Webinar on Ensure Your Safety Against Earthquake Do's and Don'ts	--	1000	--
10.2	Online training for Engineering professional (Civil/ Mechanical/ Environmental/ Bio-Technology/ IT)		2445	--
10.3	Online Lecture in association with Unnat Bharat Abhiyaan on National Education Policy			200

D. Nodal Officer Procurement: TEQIP-III project about 80 % fund is utilized in strengthening laboratories facilities of different department till now and upto 31.3.2021 it expected that 100% fund allocated for procurement to DTU will be utilized.

22. Other Contribution not covered above:

Contribution has been divided in to the two parts:

A. Academic Contribution:

- I. Member Academic Council, DTU, Delhi Wef 30.7.21
- II. Teaching and evaluation of UG, PG and PhD students of Civil Engineering Department.
- III. Associated with newly created Environmental Engineering Department w.e.f. 1.2.2012 for taking the teaching load and contributing the development of the new department in addition to taking classes and contributing the Civil Engineering Department.
- IV. Teaching and evaluation of UG students of Environmental Engineering Department.
- V. Development of Soil Mechanics and Foundation Engineering Laboratory as a Lab In charge during the period 2006-2010.
- VI. Developed new laboratory of Rock Mechanics for M.Tech and research students and Lab In charge since 2011 to till date.
- VII. Departmental PhD Coordinator
- VIII. Member DRC (Civil Department), DTU. Delhi and HBTU, Kanpur
- IX. Member BOS, DTU, Delhi
- X. Member BOS, MITS Gwalior
- XI. Member BOS, West Campus, NSUT, Delhi
- XII. Deputy Superintendent for mid and end semester examination of the university during the academic year 2014-15 and 2015-16.
- XIII. Member B.Tech curriculum course revision-2015 committee of Environmental Engineering Department.
- XIV. Committee member to look after the shortage of attendance-2015.
- XV. Member of syllabus review committee for UG Civil Engineering Students Concrete Technology, Management and Surveying.
- XVI. Revised syllabus for Planning and Management subject in 2014.
- XVII. In charge 8th semester B.Tech project allotment-2014.
- XVIII. Member syllabus revision committee for M.Tech (Environmental Engineering)

- XIX. Member syllabus review committee for UG Environmental Engineering for Geotechnical Engineering and Project Management
- XX. Member and Member Secretary of Departmental Research Committee of Civil and Environmental Engineering Department.
- XXI. Invited BOS member of Civil Engineering Department
- XXII. Invited BOS member of Environmental Engineering Department
- XXIII. Member M.Tech admission committee of Civil Engineering Department for the Year 2011-12
- XXIV. Registration duty for newly admitted students 2012 onwards
- XXV. Registration duty for different semester students of Civil Engineering Department
- XXVI. Member of M.Tech -2012 admission interview board of Civil Engineering Department
- XXVII. Member Survey Camp -2012 for fourth semester students of Civil Engineering
- XXVIII. Coordinator Survey Camp- 2016 for fourth semester students of Civil Engineering
- XXIX. Member to suggest templates and format for the evaluation of different projects and dissertations of UG and PG students.
- XXX. Member PhD admission 2014-15 of Civil Engineering Department.
- XXXI. Departmental Co-Ordinator TEQIP since 2014
- XXXII. Departmental Co-Ordinator NBA accreditation of B.Tech (Civil Engg.)
- XXXIII. Member full dress rehearsal committee of convocation -2014
- XXXIV. Faculty advisor society for Civil and Environmental Engineer since 2010

B. Administrative Contribution

- I.** Member Technical Committee for Geotechnical Investigation of the Campus site of Central University of Kashmir, constituted by Department of Higher Education, Ministry of Education, Govt. of India.
- II.** Member Building Works Committee, IIT Sonipat and DTU, Delhi
- III.** Nodal officer (Procurement), TEQIP-III Project wef July 2018, Third phase of Technical Education Quality Improvement Programme (referred to as TEQIP-III) is fully integrated with the Twelfth Five-

year Plan objectives for Technical Education as a key component for improving the quality of Engineering Education in existing institutions with a special consideration for Low Income States and Special Category States (SCS) and support to strengthen few affiliated technical universities to improve their policy, academic and management practices.

- IV.** Officer In charge Civil Enquiry Cell of DTU 10.9.10
- V.** Member of committee to inspect the civil engineering work done the agency other than PWD wef 10.9.10 to 2012
- VI.** Link officer to Project officer of DTU wef 28.9.10 to 2012
- VII.** Project officer wef 12.3.2013, calendar year 2014 and 2015
- VIII.** Member and Coordinator estimate vetting committee -2013
- IX.** Member House allotment committee -2013
- X.** Member space availability committee for rooms, laboratories, and offices located in administrative and academic block of the university- 2013.
- XI.** Member scrutinizing and screening the applications for the post of Executive Engineer, A.E. (Civil and Electrical), J. E. (Civil and Electrical), Electrician, Draftsman, JOA in Engineering cell of DTU-2014.
- XII.** Member to examine the proposal of repair of solar panel- 2014
- XIII.** Member of room opening committee -2014
- XIV.** Chairman to finalize outstanding dues in respect of Unauthorized occupants of DTU quarters- 2015.
- XV.** Member committee to examine the audio-visual system installed at Multipurpose Hall in DTU campus-2015.
- XVI.** Coordinator of the committee constituted to review and recommend the proposal for up gradation of the existing water supply and sewage treatment and disposal system of DTU campus-2015.
- XVII.** Member technical evaluation committee of Civil & Electrical work of TEQIP-II project- 2015.
- XVIII.** Member spot quotation collection committee for repair and servicing of AC of Civil Deptt. -2015.
- XIX.** Member scrutinizing and screening the applications for the post of A.E. (Civil), J. E. (Civil and Electrical) in Engineering cell of DTU-2015.
- XX.** Member scrutinizing and screening the applications for the post of A.E. (Civil), J. E. (Civil and Electrical) in Engineering cell of DTU-2017.
- XXI.** Member purchase committee under DST-DRDO funded project of Pr. K.C. Tiwari-2016
- XXII.** Member for finalizing charges for conducting different testing in civil Engg. Deptt. for consultancy work -2016

- XXIII.** Member Condemnation committee of Env. Engg. Deptt. -2017
- XXIV.** Member class monitoring committee of Deptt. of Civil Engg. -2011
- XXV.** Member tender process committee for work related to maintenance of Horticulture work in DTU campus- 2011
- XXVI.** Member Departmental Purchase Committee of Env. Engg. -2013.
- XXVII.** Member of University level anti ragging squad (2012 to till date)
- XXVIII.** Member discipline committee during 3rd convocation 2016
- XXIX.** Election of class representative of M.Tech (Geo Technical Engineering) Ist and IIIrd Semester 2016
- XXX.** Member selection board of PhD interview 2012 to till date
- XXXI.** Member Anti ragging and discipline committee for main canteen/kiosk/electrical canteen/nestle
- XXXII.** Member discipline committee during Engifest-2014, Holi-2013,14 and 15
- XXXIII.** Member checking ragging and unwanted activities in hostels and campus during night from 12 midnight to 3.00 am - 2013.

23. Workshop and FDP organized at DTU:

- I.** Co- Coordinator of TEQIP-III sponsored International Workshop on “Geohazards Risk Reduction Initiative in South and South East Asia, at DTU on 21- 22 Nov 2019.
- II.** Member Organizing Committee in TEQIP-III sponsored one day International Workshop on “Networking of Technology and Education for Sustainable Development “organized by DTU on 12.10.2018.
- III.** Coordinator of TEQIP-II sponsored faculty development programme on “Geotechnical Engineering for Urban Infrastructure” during 11-15 July 2016 at DTU Delhi.
- IV.** Coordinator of TEQIP-II sponsored faculty development programme on “Recent Development in Fluid Mechanics and Hydraulics” during 18-22 July 2016 at DTU Delhi.
- V.** Convener of International Workshop on “**Climate Change and Water Resources in south Asia**”, 8-10 August 2009 at DTU Delhi. The workshop was jointly organized by UNESCO, Columbia University (USA) and DTU.

24. Membership or fellowships of professional bodies:

- I. Life member of Indian Geotechnical society, New Delhi.
- II. Life member of Indian Society for Rock Mechanics and Tunnelling Technology, New Delhi.
- III. Member International Society for Soil Mechanics and Geotechnical Engineering 2010-2013.

25. Follow me

- a. **Vidwan:** <https://vidwan.inflibnet.ac.in/profile/66990>
- b. **Scopus:** <https://www.scopus.com/authid/detail.uri?authorId=55696950200>
- c. **Google Scholar:** <https://scholar.google.com/citations?user=Y3Xf9VkAAAAJ>
- d. **ResearchGate:** https://www.researchgate.net/profile/Amit_Shrivastava16/
- e. **DTU:** <http://www.dtu.ac.in/Web/Departments/Civil/faculty/amitks.php>
- f. **YouTube:** <https://www.youtube.com/channel/UCN3i6eFDh3N4fhyTfZEZecg>