

CURRICULUM VITAE

MANISH SHARMA

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CAREER OBJECTIVE

I am looking forward for a challenging position where I can use my skills for creativity & innovation and that gives me an opportunity to learn new things.

EDUCATIONAL QUALIFICATION

Year	Degree/Certificate	Institution/University	Subject/Discipline/Specialization	Percentage /CGPA
-	Ph.D.	Jamia Millia Islamia New Delhi	Structural Engineering	Pursuing
2018	M.Tech	Jamia Millia Islamia New Delhi	Structural Dynamics (Earthquake Engineering)	8.11
2015	B. Tech	B.I.E.T. Jhansi	Civil Engineering	69.37 %
2012	Diploma	P.M.V. Polytechnic Mathura	Production (Mechanical) Engineering	73.65 %
2009	High School	R.K.H.S.C. Raya, Mathura	Science Group	69.34 %

TEACHING/RESEARCH/ PROFESSIONAL EXPERIENCE

1. Worked as lecture at Umang Technical academy Allahabad from *04/June/2015 to 10/August/2016*.
2. Worked as Guest Faculty at Rajkiya Engineering College Chandpur , Bijnor , UP from *01/August /2018 to 28/September/2020*.
3. Worked as Guest Faculty at Gautam Buddha University, Greater Noida, UP from *29/September/2020 to 31/ May/2021*.
4. Worked as Guest Faculty at HBTU Kanpur, UP from *21/September/2021 to Till Now*.

TECHANICAL SKILLS

- Application: - MS-Office
- Certificate of “Course on Computer Concepts (CCC)” Conducted by NIELIT.
- Auto-CAD
- Staad Pro.
- Sap-2000
- ABAQUS
- MATLAB

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INDUSTRIAL TRAINING

- A.T.V. Projects India Ltd. (May 11, 2011- June 09, 2011)
- P.W.D. Mathura (June 12, 2014- July 26, 2014)

CONFERENCES/SEMINARS/WORKSHOP/WEBINER ATTENDED

- International workshop on **“Inclusive Cities”** organized by Civil Engineering Department, Jamia Millia Islamia, New Delhi .
- One day workshop on **“Recent Advances in Earthquake Engineering”**, organized by Civil Engineering Department, Jamia Millia Islamia, New Delhi held on 18 March 2017.
- Workshop on **“Introduction to Structural Engineering”** under the National Mission on Education through ICT (MHRD, Govt. of India)
- Workshop on **“Digital India”** at Jamia Millia Islamia.
- Indo-Singapore workshop on **“Advancement in Smart Materials & Structures”** held at Indian Institute of Technology-Delhi on 12-12-2016
- Structure & Architecture Conference organized by Jasubhai media on **“Technology & Challenges in Bridge Modernization and Maintenance”** at silver oak, India Habitat Centre, New Delhi held on 24 Nov, 2017.
- National Seminar On **“Seismic Hazards & Mitigation of Structure”** Organized by Civil Engineering Department, Jamia Millia Islamia New Delhi on 20 & 21 Nov, 2017.
- One Day Workshop On **“Seismic Vulnerability of Structures”** Organized by Civil Engineering Department, Jamia Millia Islamia New Delhi on 10 March, 2018.
- Workshop on **“Thesis Writing, Referencing and Plagiarism”** during March 08-09, 2018, ZHCET, AMU Aligarh.
- International Seminar on **“Application of Reliability and Risk Analysis to Civil Engineering and beyond”** Organized by Civil Engineering Department, Jamia Millia Islamia New Delhi held on 23 January, 2019.
- National Webinar on **“Research, Innovation & Entrepreneurship opportunities in Covid-19 Scenario”** Organized by Pandit Deendayal Petroleum University on 15 May, 2020.
- Online Webinar on **“Role of the Ideal Teacher in transforming the Academic life of the students”** Organized By “Parikalpana” Start-Up Cell, Rajkiya Engineering College Ambedkar Nagar held on 13 May, 2020.
- National Webinar on **“Good Construction Practices”** Organized by Civil Engineering Department, REC Kannauj held on 21 May, 2020.
- National Webinar on **“Concept of Flexible Pavement Design”** Organized by Civil Engineering Department, REC Mainpuri & UPPWD on Industrial front held on 04 June, 2020.
- 1st Indo-Japan Webinar Series on **“Geotechnics for Disaster Mitigation”** Organized by NIT Surathkal, Indian Geotechnical Society (IGS) Surathkal

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Chapter , IIT Tirupati and Kyushu University Japan held during June 08-13, 2020.

- One Day Webinar on **“Academic Publishing & Enhancing Research Effectiveness”** Organized by Dr. Zakir Husain Library, Jamia Millia Islamia New Delhi held on 09 June, 2020.
- National Webinar on **“Understanding Earthquake Hazard in India and our Preparedness”** Hosted by DDF Consultants Pvt. Ltd. and National Institute Disaster Management(NIDM) and Supported by Institute of Engineers held on 19 June, 2020.
- International Online Workshop on **“Effective Research Paper Writing and Publishing Aspects”** Organized by Department of Civil Engineering, FET, MRIIRS, Faridabad held on July 06-17, 2020.
- Online National Conference On **“Emerging Practices and Innovation on Civil Engineering ”** Organized by Civil Engineering Department, S.R.K.R. Engineering College, Bhimavaram , Andhra Pradesh on 26 & 27 Oct, 2020.
- One Day Webinar on **‘Testing Techniques for Self-Compacting Concrete’** on March 06, 2021 Organized by UltraTech Cement Ltd. & Indian Concrete Institute- Ghaziabad.
- One Day Webinar on **“Role of Admixtures in Modern Concrete Construction ”** by Dr. Prakash Mathur on March 12, 2022 Organized by UltraTech Cement Ltd. & Indian Concrete Institute- Ghaziabad.

FDP/ STC/ TRAINING PROGRAMS ATTENDED

1. Faculty Development Programme on *“Condition Assessment and Retrofitting of Civil Engineering Structure for Operational and Extreme Loads”* funded by TEQIP-III, at IIT, Kanpur during Oct 21-25, 2019.
2. Start-up Programme on *“Innovation-2- Inspire”* conducted by Institution’s Innovational Council 2.0 & Sponsored through TEQIP at Rajkiya Engineering College Bijnor held during Nov 25-29, 2019.
3. Training Programme on *“Micro-review of Program Preparedness for NBA Accreditation”* Organized by the SPIU UP at Lucknow held on 05 March, 2020.
4. Virtual Faculty Development Programme on *“Effective Teaching & Learning”* Organized by Bharti Group of Institution, Pulgaon Chowk, Durg, Chhattisgarh held during July 05-07, 2020.
5. Online Faculty Development Programme on *“Advances in Geotechnical and Transportation Engineering (AGTE-2020)”* Organized by Department of Civil Engineering, B.I.E.T Jhansi during July 20-24, 2020.
6. Online Faculty Development Programme on *“Advancement in Building Technologies”* Organized by Department of Civil Engineering, Ajay Kumar Garg Engineering College, Ghaziabad in Association with Indian Concrete Institution from August 10-14, 2020.

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7. Online Short-Term Course on “*Construction Materials and Methods in Civil Engineering*” TEQIP-III Sponsored & Organized by Department of Civil Engineering NIT Jalandhar from August 25-29, 2020.
8. Online Short-Term Course on “*Recent Advancement in Concrete Technology*” TEQIP-III Sponsored & Organized by Department of Civil Engineering NIT Jalandhar from September 15-19, 2020.
9. AICTE Training and Learning (ATAL) Academy Online FDP on “*Earthquake Engineering*” Organized by IPS Academy Indore from September 21-25, 2020.
10. Online Short-Term Course on “*Sustainable Concrete Construction - Issues & Challenges*” TEQIP-III Sponsored & Organized by Department of Civil Engineering NIT Jalandhar from October 26-30, 2020.
11. e-Short-Term Course on “*Traditional Knowledge in Urban Resilience*” Organized by Department of Civil Engineering NIT Hamirpur H.P from October 28th to November 1st, 2020.
12. Successfully Completed STTP on “*Research Paper & Research Proposal Writing for Science Stream*” organized NITTTR Bhopal from 01-02-2021 to 12-02-2021.
13. Attended One Week Short Term Training Programme through ICT Mode on “*Modelling, Analysis and Design of Buildings with Software*” organized NITTTR, Kolkata from 31st January to 4th February, 2022.
14. Attend the ICT Mode One Week STTP on “*Engineering Drawing using Software (ICT263)*” organized NITTTR, Kolkata from 24/01/2022 to 28/01/2022.
15. Attend the ICT Mode STTP on “*Introduction to Finite Element method in Engineering (ICT275)*” organized NITTTR, Kolkata from 07/02/2022 to 18/02/2022.
16. Attend the ICT Mode STTP on “*Course on Vibration Analysis and its Application in Engineering Design (ICT289)*” organized NITTTR, Kolkata from 07/03/2022 to 11/03/2022.
17. Successfully Completed STTP on “*Water Harvesting Systems*” organized NITTTR Bhopal from 14-02-2022 to 18-02-2022.
18. Successfully completed a one-week faculty development Programme on “*Recent and Emerging Trends in Structural Engineering*” held by the Civil Engineering Department, Bansal Institute of Engineering and Technology, Lucknow (U.P.) India, from 28 February - 05 March , 2022.
19. Attend the ICT Mode STTP on “*Renewable Energy Sources and Emerging Technologies (ICT302)*” organized NITTTR, Kolkata from 21/03/2022 to 25/03/2022.

CONFERENCES/SEMINARS/WORKSHOP/ EVENTS/SDP ORGANISED

1. Member of organizing Committee of the Student Development Programme on “*Recent Trends in Civil Engineering*” Sponsored through TEQIP-III, Conducted by Department of Civil Engineering ,REC Bijnor U.P, held during Sep 03-07, 2019.
2. Coordinator of the Event “*Bridge Kriti*” Organized by , AKTU Lucknow held at zonal Centre REC Bijnor, Nov 15-16, 2019.

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MEMBERSHIP OF PROFESSIONAL BODIES

- Associate Member of Institution of Engineers India (IEI) – AM3022962
- Member of Indian Road Congress - (ESM-330144)
- Member of Institution of Civil Engineers UK- 93557748.
- Member of American Society of Civil Engineers (ASCE) -000012194315
- Member of American Concrete Institute (ACI) - (000012194315)
- International Association of Engineers - (279568)
- Institute of Research Engineers and Doctors - (AM2021027515)
- All India Council for Technical Skill Development - (41455)
- Institute for Engineering Research and Publication - (SM12740539)
- Member of Deep Foundations Institute.
- Member of International Society for Development and Sustainability (ISDS) Society, Japan

MEMBER OF DEPARTMENTAL COMMITTEE

- NBA-B.Tech (Civil) 2019-20 at REC Bijnor.

AWARDS/PRIZES/ACHIVEMENTS/ HONOURS

- Qualified GATE Exam in 2017(Gate score-505) and 2019(Gate score-767, AIR-555).
- Honored by Hindustan Newspaper for getting excellent rank in G.K Competition.
- Selected for the post of Engineer (Civil) on Contract in RITES Ltd. (Schedule 'A' Enterprise of Govt. of India.)
- Best Paper Award at International Virtual Conference Organized by NIT Trichy.

ACADEMIC PROJECTS/DISSERTATION

- **DIPLOMA:-** Manufacturing and design of desert cooler.
- **B. TECH:-** Design of water distribution network of B.I.E.T. Jhansi campus.
- **M.TECH:-** Earthquake Damage Potential Parameter for Dam
- **Ph.D.:-** Influence of Strong Ground Motion Parameters on Dynamic Response of Concrete Gravity Dam (Thesis Guide: Prof. Nazrul Islam , JMI New Delhi)

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AREA OF ACADEMIC/RESEARCH INTEREST

- Earthquake Resistant Design of Structures
- Seismic Retrofit Rehabilitation and Strengthening
- Structural Dynamics
- Concrete technology
- Dam Engineering
- Reliability Analysis

PUBLICATIONS

International/National Journal

1. **Sharma, M., Ansari, Md. Imteyaz and Islam, N. (2019).** “Seismic Performance Evaluation of Structures Using Base Isolation and TMD.” *International Journal of Scientific & Engineering Research* (<http://www.ijser.org>) ISSN:2229-5518, Volume:10, Issue:02 (February 2019) pp. 06-13. **(Impact Factor: 4.2)**
2. **Sharma, M. and Ansari, Md. I. (2019)** —Seismic Response Prediction of Concrete Arch Dam, *Seismic Hazard Mitigation of Structures published by Cyber Tech*, 1-339: pp 307-3014. ISBN-109350537370
<https://www.amazon.in/Seismic-Hazard-Mitigation-Structures-Dr-Akhil/dp/B07WPSW9VV>
3. **MK Bharti, M Sharma, N Islam (2020),** “Study on the Dam & Reservoir, and Analysis of Dam Failures: A Data Base Approach” *International Research Journal of Engineering and Technology* , e-ISSN: 2395-0056, p-ISSN: 2395-0072 , Volume: 07 Issue: 05 (May 2020) pp. 1661-1669 **(Impact Factor: 7.529)** <https://doi.org/10.6084/m9.figshare.19686372>
4. **Shivam Rawat, Pooja Patel, Shubham Pal, Satyam Singh Yadav, Shri Krishna, Manish Sharma (2020).** “Comparative Performance Evaluation of Fiber Reinforced Concrete & Conventional Concrete” *International Journal of Innovative Research in Science, Engineering and Technology* , e-ISSN: 2319-8753, p-ISSN: 2320-6710, Volume:09, Issue: 05, (May 2020) pp. 3309-3313 **(Impact Factor: 7.512)** <https://doi.org/10.6084/m9.figshare.19686435>
5. **Sachin Kumar, Manish Kumar, Rajesh Kumar, Shubham Singh, Pradeep Kumar and Manish Sharma (2020),** “Design of Flexible Pavement” *Universe International Journal of Interdisciplinary Research* ISSN(O): 2582 – 6417, Volume-01, Issue-02 :(July 2020) pp. 445-451. <http://doi-ds.org/doi/10.25662434/>
6. **Vasukidevi, G., Babu C, N. K., Kalaiarasi, D., Dalai, C., Sharma, M., & Rao, Y. B. (2022).** Assessing An Advanced Energy Saving Mechanism with Machine Learning Algorithm. *Journal of Optoelectronics Laser*, 41(3), 74-78. <http://www.gdzjg.org/index.php/JOL/article/view/78>

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7. **Sharma, M.,** Ansari, M. I., & Islam, N. (2022). Study of concrete filled Unplasticized poly-vinyl chloride tubes as columns under axial loading. *Journal of Mechanical Materials and Mechanics Research*, 5(1), 10. <https://doi.org/10.30564/jmmmr.v5i1.4494>
8. **Sharma, M.,** Ansari, M. I., & Islam, N. (2022). Role of GPS Tracking in Monitoring the Survival and Hunting of Wildlife. *Universe International Journal of Interdisciplinary Research*, 2(11), 42-48. <https://www.doi-ds.org/doi/10.2022-16916714/UIJIR>
9. **Sharma, M.,** Ansari, M. I., & Islam, N. (2022). A Comparative Study between Pseudo-static and Dynamic Analyses of Keddara Dam. *Journal of Architectural Environment & Structural Engineering Research*, 5(2), 16-24. <https://doi.org/10.30564/jaeser.v5i2.4675>

Book Chapter

1. **Sharma, M.,** Ansari, M., & Islam, N. (2022). Passive Hybrid Control of Structures using Base Isolation and TMD. In *Current Advances in Civil Engineering Research* (pp. 49-62). Integrated Publications.

International/National Conference

1. **Sharma, M.** and Ansari, Md. Imteyaz. (2017). "Seismic Response Predication of Concrete Arch Dam." *National Seminar on Seismic Hazards & Mitigation of Structure*, Jamia Millia Islamia ,New Delhi , Nov 20-21, 2017.
2. **Sharma, M.,** Ansari, Md. Imteyaz and Islam, N. (2022). "Seismic Performance Evaluation of Structures Using Base Isolation and TMD." *International Conference on Multidisciplinary Research in Engineering, Management & Medical Sciences (ICMREMMS-2022)* Rajshree Institute of Management and Technology, Bareilly, March 25-26, 2022.
3. **Sharma, M.,** Ansari, Md. Imteyaz and Islam, N. (2022). "Study of Concrete Filled UPVC Tubes as Column Under Axial Loading" *International Virtual Conference on Smart and sustainable development of urban green infrastructure in India and Canada (SSDUGI – 2022)* National Institute of Technology Tiruchirappalli , March 25-26, 2022. **(Best Paper Award)**
4. **Sharma, M.,** Ansari, Md. Imteyaz and Islam, N. (2022). "Seismic Potential Parameter for Concrete Gravity Dam " 4th International Conference (Online) on "*Sustainable Materials and Structures for Civil Infrastructures*" on 26-27 May 2022 organized by Department of Civil Engg., UIT-RGPV, Bhopal, MP.
5. **Sharma, M.,** Ansari, Md. Imteyaz and Islam, N. (2022). "Investigation on Compressive Behaviors of Concrete Filled UPVC Tubes as Column" *International Conference on "Transportation Geotechnics" (Geo Trans – 2022)* 01 - 03 June 2022 LBS Institute of Technology for Women, Thiruvananthapuram, India.

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Patent

1. Reactor Safety Healthcare Characteristics, Microstructure, And Physio-Mechanical Properties of Nano-Silica Mixed Cement (*Application No.- 202241006302*) - **filed & Published**
2. Development of Design and Construction Model for Virtual Building Concept (*Application No.-202141057884*) - **filed & Published**
3. A Multi-Zone Model Based on Simulation for Thermal Building (*Application No.- 202231006222*) -**filed & Published**

PERSONAL INFORMATION

Father's Name : Mr. Hariom Sharma
Mother's Name : Mrs. Veenesh Sharma
Sex : Male
Nationality : Indian
Date of Birth : 20.08.1996
Languages Known : Hindi (SRW), English (SRW), Sanskrit (RW), Urdu (RW)
Address : Hanuman Madhi, Mant Road, Raya, Mathura (U.P)-281204

REFEREES

Prof. T.K. Datta

Formerly Emeritus Professor,
Department of Civil Engineering
IIT Delhi.-110016
Email: tkdatta@civil.iitd.ernet.in
Phone: 2659-1820

Prof. Nazrul Islam

Department of Civil Engineering
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Declaration: -

I hereby declare that all the information given above is true and correct to the best of my knowledge and belief.

Date: - 22/05/2022

Place: - New Delhi

Manish Sharma

(MANISH SHARMA)