**Dr. Sangeeta Choudhary**

**Associate Professor (Department of Civil Engineering)**

**Techno India NJR Institute of Technology, Udaipur**

1. **Qualification**

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| Degree | College | University | Year |  |
| Ph.D | MBM Engineering College, Jodhpur | Jai Narain Vyas University, Jodhpur | 2017 | Environmental Engineering |
| M.E | MBM Engineering College, Jodhpur | Jai Narain Vyas University, Jodhpur | 2013 | Environmental Engineering |
| B.E | MBM Engineering College, Jodhpur | Jai Narain Vyas University, Jodhpur | 2007 | Civil Engineering |

1. **Work/Teaching Experience**

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| Employer | Designation | Regular/Adhoc | Duration(From – to) |
| Techno India NJR Institute of Technology | Associate Professor | Regular | March 2015 to till date |
| Raj and Associates, Planners, Engineers and Interior Designers, Jodhpur | Structural Designer | Regular | Jul 2007 to Feb 2009 |

1. **Research Contribution**

**Books**

* Authored a book on “SOLID WASTE MANAGEMENT” published by PriyaTech Publication in 2013.
* Authored a book on “ENVIRONMENTAL ENGINEERING” published by PriyaTech Publication in 2014.

**Papers**

* Published a paper on “ENVIRONMENTALLY SUSTAINABLE SAND MINING BASED ON GIS BASED SEDIMENT YIELD ESTIMATION” in ENGINEERING AND TECHNOLOGY IN INDIA, Volume 8, Issue 1 & 2. ISSN-2230-9284 (Accepted date – Sep 2017)

* Published a paper on "QUALITATIVE ANALYSIS OF SOCIO-ENVIRONMENTAL FACTORS OF SAND MINING ON MITHRI TRIBUTARY OF LUNI RIVER AT KOSANA, PIPAR JODHPUR DISTRICT OF RAJASTHAN" in International Research Journal of Environmental Sciences Vol. 6(10), 22-31, October (2017). ISSN 2319-1414
* Conference paper on “MATHEMATICAL MODELLING OF SAND EROSION AND YIELD OF KOSANA SAND MINING SITE ON MITHRI RIVER TO DETERMINE SAFE ALLOWABLE LIMIT OF WITHDRAWAL OF SAND PER YEAR” in NATIONAL WORKSHOP & EXHIBITION ON ‘Problems of River Sand Mining and its Alternate’ in April 21-22,2018.
* Conference paper Published on “DEVELOPMENT OF RAINWATER HARVESTING SYSTEM THROUGH NATIONAL HIGHWAY PROFILES BY USING GIS AND FIELD SURVEY” in SSRN-ELSEVIER (2018-19) available online at http://ssrn.com
* Published a paper on "REQUIREMENTS OF SOLID WASTE MANAGEMENT SYSTEM IN SAVINA VEGETABLE MARKET AT SMART CITY UDAIPUR IN RAJASTHAN" in International Journal of Engineering and Advanced Technology (IJEAT) ISSN:2249-8958, Volume-9 Issue-3S, March 2020
* Published a paper on "REQUIREMENT AND PLANNING OF BADLIYA VILLAGE FOR CONVERTING IT INTO SMART VILLAGE CATEGORY IN BANSWARA, RAJASTHAN" in International Journal of Engineering and Advanced Technology (IJEAT) ISSN:2249-8958, Volume-9 Issue-3S, March 2020.
* Published paper on “SEDIMENT YIELD AND SAND EROSION MODEL THROUGH ARCSWAT AND SPSS14 SOFTWARE FOR SAND MINE SITE IN RAJASTHAN” in International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249-8958, Volume-10 Issue-10, March 2020.

**Academic Achievements**

* Best paper presentation award in international conference on “Recent Advances in Interdisciplinary Trends in Engineering & Applications” at IPS academy, Indore in Feb 2019.
* Academic excellence award 2015 by Hindustan Times Rajasthan spectrum and Private school directors and management association south Rajasthan.
* Certificate of appreciation for outstanding performance and exemplary contribution in the field of education, by The Times of India Udaipur plus, resonance and My Gurukul Udaipur Rajasthan.
* Certificate of appreciation for **social welfare** project in the field of solid waste management in vegetable market at Udaipur by ICLEI-South Asia.

**Educational Videos**

* Video on “Slope and deflection by Macaulay’s method”. Link: https://youtu.be/LmmlEPFP31A
* Video on “Shear force and bending moment”. Link: https://youtu.be/0r7rzBYzJX0

1. **Mentoring roles performed for student projects**

* Project for Silicon Valley namely "Ground water Management in Rajasthan using Remote Sensing Technique", where students could cross two rounds and made up to final round of the competition in year 2018.
* Project for ECO Grant and AICTE VISHWAKARMA award 2018 namely “Development of Rain water harvesting system through national highway profiles techniques". This project got shortlisted in Vishwakarma award and made up to second round of ECO Grants. This project also got shortlisted for presentation at NITI AAYOG through Atal Innovation challenge.
* Mentored students for Project for ECO Grants and carbon zero challenge namely  " My BINS” - A reward based waste segregation App to motivate Swachta Mitras and users".
* Mentored students for participating in Bentley STAAD Pro Advancing infrastructure 2018 student design challenge (India) competition organized nationwide in 2018, where students secured 6 ranks in Top 10 ranks.
* Mentored students for participating in “PLANNING OF BADLIYA VILLAGE FOR CONVERTING IT INTO SMART VILLAGE CATEGORY IN BANSWARA, RAJASTHAN”

1. **Certificates of Participation in Workshops/Seminars**

* “Concrete Mix Design” workshop conducted by Customer Support Services of Ambuja Cements Ltd. on 15 -16 April, 2008 at Jodhpur.
* One day seminar on “Concrete today and Beyond” organized by Student Chapter of Indian Concrete Institute (ICI), Department of Civil Engineering, CTAE Udaipur on 24 March 2012.
* Two-week ISTE Workshop on Fluid Mechanics conducted by IIT Kharagpur from 20th to 30th May, 2014.
* One day workshop on “Earthquake Resistant Structures” conducted by Ambuja Cement held at Udaipur on 30th October 2015.
* One day seminar on “Role of Women Engineers in Society including CSR Projects” organized by The Institute of Engineers, Udaipur held on 10th March 2018.
* Two days workshop on National Building Code of India 2016 organised by The Institute of Engineers(India), Udaipur Local Centre & Bureau of Indian Standards, New Delhi on March 15-16, 2018.
* Online Webinar on “Durability of Concrete” held on 16.05.2020 through Wonder Cement.

1. **Student/academic events organized**

Successfully organized survey camps in the year 2017, 2018 & 2019 for civil engineering students.

1. **Administrative responsibilities handled**

Head of Department of Civil Engineering in Techno India NJR from March 2015 to till date.

1. **Added Certification Details**

* NPTEL online certification on “Wastewater Treatment and Recycling”
* NPTEL online certification on “Soil Mechanics / Geotechnical Engineering I”
* NPTEL online certification on “Geotechnical Engineering II”
* Coursera online certificate on “Mastering bitumen for better roads and innovative applications”
* Coursera online certificate on “Introduction to GIS Mapping”
* Coursera online certificate on “Introduction to Virtual Reality”
* Coursera online certificate on “Develop a Company Website with Wix”