

## Shantanu Singh

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### Career Objective

Seeking a career opportunity in teaching fraternity where I can implement my knowledge, teaching, and technical skills in the field of curriculum development, research and development for Civil Engineering and Environmental Engineering. As a teaching professional, want to develop new methodologies for better and enhanced Teaching and Learning Process. Also possess training for SAR Development for NBA.

### Professional Experience

- **Assistant Professor-** Department of Civil Engineering, MAEER's MIT College of Railway Engineering and Research, Barshi, Solapur, Maharashtra.
  - **Duration-** 2<sup>nd</sup> November 2020 till Date
  - **Subjects-** Wastewater Engineering and Air Pollution, Air Pollution and Control, Survey and Geomatics, Water Supply Engineering, Solid and Hazardous Waste Management, Building Planning and Designing and Advanced Railway Track Technology,
  - **Additional Responsibility**
    - **Coordinator- IIRS-ISRO Outreach Program**
    - **Coordinator- Departmental Training and Placement**
    - **Faculty Advisor**
    - **Evaluator in ACTE Toycathon**
- **Assistant Professor-** Department of Civil Engineering, School of Engineering and Technology, CMR University, Bengaluru, Karnataka
  - **Duration-** 6<sup>th</sup> August 2018 till 5<sup>th</sup> September 2020 (2 years)
  - **Subjects Handled-** Introduction to Remote Sensing and GIS, Fluid Mechanics and Hydraulic Machines, Materials of Construction, Planning and Designing of Buildings, Hydrology, Environment and Sustainability, Business Management for Engineers, Sociology of Globalization and Sustainable Development.
- **Teaching Assistant-** Department of Civil Engineering, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal, Karnataka
  - Duration- October 2016 till April 2018.
  - Responsibility – Assisting in the conduction of Environmental Engineering Laboratory, Survey Laboratory

## **Education**

- **Master of Technology (M.Tech.)-** Environmental Engineering (2016-2018)  
Manipal of Technology, Manipal, Karnataka, CGPA 7.45
- **Bachelor of Engineering (B.E.)-** Civil Engineering (2012-2016)  
PES College of Engineering, Mandya, Karnataka, CGPA 8.53
- **XII (Senior Secondary)-** Science, Year of completion 2011  
CBSE Board (St. Michael's High School, Patna) Percentage 65.2%
- **X (Secondary)** Year of completion 2009  
CBSE Board (St. Michael's High School, Patna) Percentage 87.33

## **Research & Technical Experience**

- **M.Tech. Main Project-** Guidelines in case of oil spill in the Mangalore Port Region using Remote Sensing and GIS Application.
- **M.Tech. Mini Project-** Evaluation of Colocasia Esculenta to uptake polluting elements and to reduce organic load on the existing Dairy Wastewater Treatment Plant.
- **Main Project B.E.-** Ground Water Potential Zone Mapping of Madegowdana Koppallu of Mandya District using Remote sensing and GIS application.
- **Mini Project B.E. - Extensive Survey Project-** New Tank Project, Highway Project, Water Supply Project, Triangulation Project
- **Summer Internship in Nokia Here Maps** - 1-month summer internship in Nokia Here Maps.
- **Summer Internship in Govt. of Bihar** - 3 weeks summer internship in Dept. of Building Construction, Govt. of Bihar.
- **Industrial Oriented CAD** - Basic level training in AutoCAD 2D, 3D.
- **Industrial Oriented GIS** – ArcGIS, QGIS.

## **Publications, Conferences, Guest Talk and Workshop**

- Published a paper in “**International Journal of Future Generation Communication and Networking**” on the title “**Water Quality Analysis And Scientific Remediation Of River Arkavathi, Karnataka, India**”.
- Published a Paper in “**Journals Pub-International Journal of Energetic Materials**” on the title “**Thin-Films: Study of Medical, Display and Environmental Applications**”.
- Presented in an “**International Conference-61<sup>st</sup> International Conference on Technology Trends 2018**” on “**Guidelines in case of oil spill in the Mangalore Port Region using Remote Sensing and GIS Application**”.
- Participated as speaker in Workshop by “**Labour Resources Department, Government of Bihar**” on “**Good Practices on Safety, Health and Skill Development**” held on 20<sup>th</sup> December 2019.
- Presented in an **International Conference-Asia Pacific Conference on Sustainable Environment and Energy Techniques 2017** on “**Hazardous Waste Legislation in India: An Overview**”.

## **Skills**

- **Course Development-** Course Outcome Mapping, NBA SAR Preparation
- **Application Software:** ArcGIS, QGIS, AutoCAD, MS Excel.
- **Programming Languages:** C, C++ (Basic Level).

The above information provided by me is true and have all the relevant documents to authenticate the same.

**Shantanu Singh**