

Dr. SUNIL PRIYADARSHI*Assistant Professor, Civil Engineering*

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Total Work Experience: -15 years**PROFESSIONAL OBJECTIVE**

To work with zeal in a progressive and intellectually stimulating academic environment where I can contribute effectively through a balanced engagement in teaching, research, and administrative responsibilities. I am driven to continuously enhance my professional competence and to apply innovative ideas, creativity, and dedication in support of institutional excellence and sustained academic growth.

EDUCATIONAL QUALIFICATION

Examination	Board/University	School/College	Percentage
PhD (Geotechnical Specialization)	NIT, PATNA Under the Supervision of (Dr. Anil Kumar Sharma)		
M-Tech, [Construction Technology & Management]	Panjab University Chandigarh	NITTTR, Chandigarh	7.25 CGPA 1st Division
B-Tech in Civil Engineering	Cochin University of Science and Technology,	S.O.E. Kochi, Kerala	64.0 1st Division
Intermediate of science (12 th)	BIEC, Patna, (Bihar)	B.N.C, Bhagalpur, Bihar	64.0 1st Division
Matriculation(10 th)	BSEB, Patna, (Bihar)	V.K S.H S Saharsa	62.0 1st Division

TEACHING EXPERIENCE (13 Years)

- ❖ Presently serving as Assistant Professor , Civil Engineering Department at Swami Vivekananda University, **Barrackpore, Kolkata**, since April 2022.
- ❖ Served as **Head of Civil Engineering Department** at Rayat Bahara University Mohali, Punjab (Jan-2018 to March-2021)
- ❖ Served as **Assistant professor** at **Rayat Bahara University Mohali** (Jan2017-March 2018)

- ❖ Served as an **Assistant Professor and HOD** Civil Engineering at Dev Bhumi Group of Institutes, Una Himachal Pradesh), involved in teaching M-Tech programs under the Technical Education Quality Improvement Programme (**TEQIP**) in collaboration with **NITTTR, Chandigarh**, during the period June 2012 to December 2016.

WORKED PROFILE

- ❖ Served as **Assistant Controller Examinations, Member Secretary of Student Welfare committee, Member of Cultural Committee, Coordinator of Student clubs** at Rayat Bahara University Mohali.
- ❖ Actively involved in academic conferences by serving as a **Session Coordinator**, contributing to the effective planning, coordination, and smooth conduct of technical sessions, including coordination with speakers, moderators, and participants.
- ❖ Active involvement in **Setup of Various Civil Engineering Labs** including Concrete lab, Transportation lab, Geotechnical lab, Environmental lab, Software lab, Survey lab and structure lab.
- ❖ Coordinated 14 Survey Camps (10-15 days) of RBU, CE students to various hill stations
- ❖ **Editor** of College Magazine “**ARANKAS 2018**” at RBU.
- ❖ Active involvement in **Course Designing, Curriculum Design and Scheme & Syllabus Design** of various civil engineering courses as **Member of BOS**.
- ❖ Involvement in **Academic Audits** of the university (Rayat Bahara University Mohali)
- ❖ **Convener** of **One day workshop** on Emerging Trends in Civil Engineering.
- ❖ Involvement in **National Conference** on Advances in Science & Tech. (ERA-2017,2018) at Rayat Bahara University Mohali.
- ❖ Organized various **Industrial Visits, Seminars, Workshops, Expert talks** and other academic events for students of Rayat Bahara University Mohali.
- ❖ Organized various **Cultural Fests, Star nights, and Youth festivals** as **Cultural Coordinator** at Rayat Bahara University Mohali.

INDUSTRIAL EXPERIENCE (2 year)

- Worked as **Trainee Engineer**, Design cell for Designing various component of Mini hydro power project like check dam, D.T tank, Penstock

Publication /SCI/ SCOUPS/CONFERENCE

- ❖ Synergistic effect of biochar and Microbial-Induced Calcite Precipitation (MICP) in stabilizing expansive soils (Aug-2025) <https://doi.org/10.1080/01490451.2025.2545346>
- ❖ Mechanical Performance of Biochar-Amended Subgrade Soils <https://link.springer.com/10.1007/s42947-025-00625-1>

- ❖ Evaluating biochar as a sustainable soil amendment for enhancing geotechnical properties of subgrades (Dec-2025) <https://doi.org/10.1016/j.scca.2025.100103>
- ❖ Proposing a Characteristic Length Definition for Flow Characterization in Porous Media: A Methodology for Estimating Hydraulic Radius published in the Journal of Mines, Metals and Fuels in 2024 ISSN (print): 0022-2755
- ❖ Ground Improvement Techniques to Enhance the Bearing Capacity of Weak Soil @ ICEDC-2025, SVU BKP, Kolkata (WB)
- ❖ "Enhancing Soil Strength Using Fly Ash: A Sustainable Approach to Ground Improvement"@ ICEDC-2025, SVU BKP, Kolkata (WB)
- ❖ Optimizing the use of Reclaimed Paving Materials in Granular Sub Base for Road Construction: An Extensive Analysis @ ICISE-2024, SVU BKP, Kolkata (WB)
- ❖ Biochar's Impact on Soil Mechanical Properties: A Com-prehensive Review of Mechanisms and Implications@ ICISE-2024, SVU BKP, Kolkata (WB)
- ❖ Reviewing the Landscape of Fiber Reinforced Concrete (FRC): A Comprehensive Examination of Enhancements for Structural Integrity@ ICISE-2024, SVU BKP, Kolkata (WB)
- ❖ Review Paper on Eccentric Wings in Bridge Deck @ ICISE-2023, SVU BKP, Kolkata
- ❖ Innovative Roof Waterproofing Using Crushed Rubber Tire Crumb in M25 Concrete @ ICISE-2023, SVU BKP, Kolkata (WB) Optimizing the use of Reclaimed Paving Materials in Granular Sub Base for Road Construction: An Extensive Analysis @ ICISE-2022, SVU BKP, Kolkata (WB)
- ❖ Review on the Influence of Alccofine on Concrete Characteristics with Different Grades @ ICISE- 2023, SVU BKP, Kolkata (WB)
- ❖ Biochar's Impact on Soil Mechanical Properties: A Com-prehensive Review of Mechanisms and Implications@ ICISE-2023, SVU BKP, Kolkata (WB).
- ❖ Reviewing the Landscape of Fiber Reinforced Concrete (FRC): A Comprehensive Examination of Enhancements for Structural Integrity@ ICISE-2022, SVU BKP, Kolkata (WB)
- ❖ Review Paper on Eccentric Wings in Bridge Deck @ ICISE-2022, SVU BKP, Kolkata (WB)
- ❖ Innovative Roof Waterproofing Using Crushed Rubber Tire Crumb in M25 Concrete @ ICISE- 2021, SVU BKP, Kolkata (WB)
- ❖ To enhance the quality of rubber modified concrete using polymer, IARJSET, 2020
- ❖ Study on Green Concrete, Floating Concrete, IJRESM 2020
- ❖ Interlocking between Concrete Block” IJRESM 2019
- ❖ M-Tech thesis – “A study on optimization of the use of Reclaimed Asphalt Pavement (RAP) in Granular Sub Base (GSB) for rural road” (Supervisor Dr. Ajay K. Duggal, NITTTR, Chandigarh)
- ❖ B-Tech Project– “Hydraulic Change Associated with Dam in Periyar River Basin” CUSAT, KOCHI, KERALA.

➤ **Book Chapter**

Sunil Priyadarshi “Enhancing the Efficient Utilization of Reclaimed Asphalt Pavement (RAP) in Granular Sub Base(GSB) for Road Construction: - A Recent trend”, Book Title: "Integrated Perspectives in Civil Engineering: Geotechnical, Structural, Water Resources, and Environmental Aspects, Chapter 6, pp. 87 – 95, [ISBN: 978-93-5967-828-3]

- **Projects and Grants. (SEED Fund from Swami Vivekananda University, BKP, Kolkata)**
Research Proposal under Submission: Title: Development of cost-effective soil-based composite material using industrial by-products having enhanced strength and durability for usage as pavement material.
- **Participation in Faculty Development Programmes:** Successfully completed NPTEL courses on Plastic Waste Management and Expansive Soil, earning an **Elite Certificate**.
- **Contribution to Community Services:** As NSS Coordinator, organized and supervised various NSS activities, including blood donation camps, tree plantation drives, and social awareness campaigns such as Swachh Bharat, voter awareness, ODF (Open Defecation Free) surveys and awareness, drug abuse prevention, and road safety awareness programs for students.

References	
Dr. Anil Kumar Sharma Asst.Professor, Civil Engineering Department NIT,PATNA Email: aks.ce@nitp.ac.in - Mobile: 7004172049	Dr. Prabin Kumar Ashish Asst.Professor, Civil Engineering Department IIT, Kanpur Email: prabinashish@gmail.com Mobile:-9004109961
Dr. Sanjay Sharma Professor& HOD, Civil Engineering Department NITTTR, Chandigarh Email:sanjaysharmachd@yahoo.com Mobile: 9872005961	Dr. Rajeev Kumar Sr.Scientist , CRRI, New Delhi Email: ranjitrajiv@gmail.com Mobile:-9557529945
Personal information:	
Father Name :- Sh. Yogendra Narayan Date of Birth :- 5 th January 1985 Nationality: Indian Sex: Male Marital Status: Married Languages Known: English, Hindi, Maithili	Permanent Address :- V PO – Rahua, Via-Simri Bakhtiyar pur, PS:- Saur Bazar ,Dist. Saharsa (Bihar) PIN-852127

I do hereby confirm that the information provided in this document is true to the best of my knowledge and belief.

Place...Barrackpore Kolkata

Date...9 September 2026



Sunil Priyadarshi