

CURRICULUM VITAE

Mr. Jaiprakash Nayak

Designation: Assistant Professor
Department of Civil Engineering,
Harcourt Butler Technical
University, Kanpur
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Date of Birth : 5th March, 1993



Academic qualifications:

PhD (P)
M.Tech
B.Tech
Higher Secondary (Intermediate)
High School

Teaching experiences:

1. Assistant Professor (Permanent): **Harcourt Butler Technical University, Kanpur, Uttar Pradesh** from to 30th Dec, 2021 to till date
2. Guest Faculty : **Harcourt Butler Technical University, Kanpur, Uttar Pradesh** from 20th Sept, 2021 to 29th Dec, 2021
3. Guest Faculty : **Govt. Rajkiya Engineering College, Ambedkar Nagar** from 27th Jan, 2020 to 31st July, 2021
4. Assistant Professor : **PDM University, Bahadurgarh** from Sept 2017 to Oct 2018

Research experience:

1. Research Associate (Contractual): **IIT Kharagpur** from October, 2018 to 4th January, 2019.
2. Junior Research Fellowship (Contractual): **IIT Kharagpur** from 6th Jan, 2019 to 25th Jan, 2020
JRF Research: “Landslide Hazard Assessment in NE India along the Gangtok- Tsomgo/ Chango Lake and Gangtok Chuanthang – Lachen Corridor”, sponsored by Ministry of EARTH SCIENCES (Government of India, Ministry of EARTH SCIENCES, India Meteorological Department)

Projects:

1. M.Tech Dissertation on “Hydro-ecological Assessment of Environmental Flow for Western

- Himalaya Region.” Collaboration from National Institute of Hydrology, Roorkee.
2. B.Tech Project on “Design of Base Isolator for the R.C.C. Building”.

Technical Skills:

1. MS Office (Word, Excel, PowerPoint).
2. Having basic knowledge of AUTO CADD.
3. Having knowledge of Geo- Slope Software and FLAC Software.

Courses taught/teaching:

Under Graduate Level

1. Water Supply Engineering.
2. Sewage Disposal and Air Pollution Engineering.
3. Engineering Hydrology
4. Open Channel Flow.
5. Soil Mechanics
6. Cement Concrete Testing Lab
7. Remote Sensing & GIS Application in Civil Engineering
8. Engineering Graphics
9. Environment & Ecology

Post Graduate Level

1. Environmental Systems Analysis
2. Environmental Impact Assessment
3. Solid and Hazardous Waste Management

Department Responsibility:

1. Survey laboratory Incharge in Civil Engineering Department at HBTU, Kanpur
2. Incharge, Departmental Maintenance, renovation and Infrastructure development/ General unkeep at HBTU, Kanpur
3. Departmental NAAC Co- ordinator at REC Ambedkar Nagar.
4. Departmental NBA Co- ordinator at REC Ambedkar Nagar.
5. Departmental Exam Cell Co- ordinator at REC Ambedkar Nagar.

Administrative Responsibility:

1. Warden of Shridharacharya Boys’ Hostel (LV Old) from Feb 2023 to till date at HBTU Kanpur
2. *Nodal officer of “ Digital Communication readiness Index at HBTU Kanpur*

Field of Interests: River water quality assessment & modelling, Environmental Flow assessment & Solid waste management.

PUBLICATIONS:

List of Journal Publication

- Nayak, J.P., (2018) “Low Flow Characterization of Satluj River” **International Journal of Research in Engineering & Technology journal**, Vol. 6, Issue 7, 7-12.
- Suglo, L.F. and NAYAK, J.P., (2018). STRUCTURAL DESIGN; TECHNOLOGY and COMPUTERIZATION NOT THE PROBLEM. IISTE Journal in Civil and Environmental Research, Vol.10, No.6, pp 53-59,
- Shukla, N., Nayak, J.P., Mittal, A. & Singh, A. (2020). Performance of Selfsocially Acceptable and Environmental Eco-Friendly Solid Waste Management top 10 cities In India. Pensee International Journal, Volume 50, ISSUE 12,.

List of Book Chapter

- Nayak, J.P., S. Ram, Shakya, N., (2017). An Evaluation and Performance Study of Sewage Treatment Plants in India. IJSIET ISSUE VOLUME 2.
- Kumar p., Nayak J.P., S. Ram (2021) Hydro-ecological Assessment of Environmental Flows for Satluj River In: Department of Civil and Environmental Engineering, Texas A&M University, USA Springer Nature Switzerland AG 2021. Book Title: Climate Impacts on Water Resources in India Environment and Health pp. 157-165, (eBook) (<http://www.springer.com/series/6689>). https://doi.org/10.1007/978-3-030-51427-3_13

Papers in National Journals

- Suglo. L.M, Malhotra. M., **Nayak.J.P.** “A Comparative Seismic Analysis and Design using ETABS and STADD Pro” published in Indian journal of “The Indian Concrete Journal” Nov- May 2019.
- Kumar.P., Kumar .S., kumar.M., Chaubey,M., Nayak.JP.,” Groundwater Flow and Solute Transport Modelling: A Mathematical Analysis” Indian J. Environmental Protecion, Vol.44No. 3, March 2024 , ISSN 0253-7141

Papers in International Conferences

- **J.P.Nayak**, Dr. Shobharam, Shakya Nishant (2017) “An Evaluation and Performance Study of Sewage Treatment Plants in India” has been presented and published in the proceedings of 2017 in ICCET-2017 Conference, Vijayawada, Andhra Pradesh, India on 31st, March- 1st April, 2017 (IJSIET MAY 2017 ISSUE VOLUME 2, ISBN 978-81-904760-9-6).
- Kumar, P., **Nayak, J.** and Ram, S. 2018. . In Proceedings of International Conference on “Sustainable Technologies for Intelligent Water Management” 333, organized by IIT Roorkee and Indian Water Resources Society during Feb 16-19, 2018, pp. 263.

- Nayak.,JP., and Singh,s., (2022) “Environmental flow requirement of Godavari River” organized by ICCAES, 2022, Kolakata From 16th – 18th Feb,2022.
- Katiyar.R., and Nayak.JP., “Life Cycle Assessment of Municipal Solid Waste in Kanpur City” organized by CHEM-TECHNOVA 2023, Harcourt Butler Technical University Kanpur, Uttar Pradesh from 26th - 27th May, 2023
- Zaidi, A., and Nayak., JP., “ Assessment of Methane Emission from a Solid waste Dumpsite in Lucknow City organized by CHEM-TECHNOVA 2023, Harcourt Butler Technical University Kanpur, Uttar Pradesh from 26th - 27th May, 2023.
- Katiyar.R., and Nayak.JP., (2023) Life Cycle Assessment of current Municipal Solid Waste Management Practices in Kanpur city organized by CISCE 2023 MNIT, Jaipur, Rajasthan, India from 11-12, August 2023.
Zaidi, A., and Nayak., JP.,(2023) “Assessment of Methane Emission from a Solid waste Dumpsite in Luknow City” organized by CISCE 2023 MNIT, Jaipur, Rajasthan, India from 11-12, August 2023.
- Nayak,jp., Singh,R., and Ganguly, R. (2023) “Water Quality Assessment and Designated Best Use (DBU) determination of Ganga River, Kanpur organized by HYDRO-2023 INTERNATIONAL Conference, Department of Civil Engineering, National Institute of Technology, Warangal, From December 21-23, 2023.
- Nayak., JP., (2024) “Environmental Flow Requirement Of Godavari Lower Subbasin” organized by RCRM2024 INTERNATIONAL Conference IIT GUWAHATI from March, 7th -9th , 2024 (RCRM 112).
- Nayak., JP., (2024) “RCRM050 Environmental Flow Requirement for a Critical Reach of Beas River” organized by RCRM2024 INTERNATIONAL Conference IIT GUWAHATI from March, 7th -9th , 2024 (RCRM 050).
- Nayak., JP., (2024) “ Assessment of Air Quality Index of Agra City in Uttar Pradesh” organized by CHEM- TECHNOVA- 2024 INTERNATIONAL Conference HBTU KANPUR from March, 21st - 23rd , 2024.
- Nayak., JP., (2024) “ Statistical Assessment of Air Quality in Lucknow City” organized by CHEM- TECHNOVA- 2024 INTERNATIONAL Conference HBTU KANPUR from March, 21st -23rd , 2024.

Training and Workshops

- 4 weeks Industrial Training from “P.W.D, Lucknow” in 2nd year and 3rd year (B.Tech).
- Participated 6days online Faculty Development Program on “**Technological Industrial Practices**” organized by Department of Civil Engineering, J C Bose University of Science and Technology, Faridabad in collaboration with REC Ambedkar Nagar, UP from **1st June - 6th June 2020**.
- Completed the **Awareness Quiz on Effect of Renewable Energy Sources on Society and Environment in India, conducted by the Department of Applied Science & Humanities,Rajkiya Engineering College, Ambedkar Nagar.**
- Attended **Webinar on Role of Technological Institutions for Atmnirbhar Bharat** organized by State Project Implementation Unit-UP, on 9th July 2020.
- Participated **One Week** Faculty Development Program on “**Developments In Concrete and Construction**” organized by the **Department of Civil Engineering, SRM Institute**

of Science & Technology, Ramapuram, Chennai-89, from 23rd July to 29rd July 2020.

- Participated in **Three Days** Faculty Development Program on “**Recycling of Construction Demolition Waste**” organized by the **Department of Civil Engineering, SRM Institute of Science & Technology, Ramapuram, Chennai-89, from 05th Aug to 07th Aug 2020.**
- Participated **One Week** Faculty Development Program on " “Green Technologies and Environmental Sustainability (GTES-2020)” by Department of Environmental Sciences and Department of Civil Engineering, J.C. Bose University of Science & Technology, YMCA, Faridabad, from September 7-12, 2020.
- Participated **five day** online Faculty Development Programme on "**SUSTAINABLE ENVIRONMENTAL GEOTECHNICS**" organized by the **Department of Civil Engineering, S.R.K.R. Engineering College, Bhimavaram, Andhra Pradesh** from Oct 5, 2020 to Oct 9,2020.
- Participated **five day** online Faculty Development Programme on "**SAFETY ENGINEERING**" organized by **Civil Engineering Department, J.C. Bose University of Science & Technology, YMCA, Faridabad** under **TEQIP-3 Twinning Activity** in collaboration with **R.E.C. Ambedkar Nagar, U.P.** from **12th - 16th October, 2020.**
- **Co- Coordinator** for One Week National Workshop on “**Emerging Trends in Civil Engineering Impacting the Construction Industry**” under **TEQIP-3 Twinning Activity** in Civil Engineering Department at **R.E.C. Ambedkar Nagar, U.P.** during **November 03-07, 2020.**
- Participated **five day** online Faculty Development Programme on " **OVERCOMING Covid19** Challenges through Innovation in Construction Industry” organized by Civil Engineering Department, PSIT College of Engineering sponsored by Dr. A.P.J. Abdul Kalam Technical University, Lucknow, (Uttar Pradesh) from 28th December 2020 - 1st January, 2021.
- Attended online 5-Days Short-term Course on **Soil and Rock Geotechnics for Sustainable Infrastructures (SRGSI) (Theory to Practice)** organized by Civil Engineering Department, National Institute of Technology, Patna 04th -08th April, 2022.

Date :

Place:

(Jai Prakash Nayak)