



Dr. NISHIKANT KISKU **PhD.IIT ISM DHANBAD, JHARKHAND**

Assistant professor

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I. Qualification:-

Sl.No.	Degree (UG,PG,PhD)	Specialization	Passing Year	Board/University
1	PhD	Structural Engg.	2020	IIT , ISM
2	M.tech	Structural Engg	2013	BIT, Sindri
3	B.Sc Engg	Civil Engg.	1996	M.I.T.Muzaffarpur

1. Joining Date :-12.9.2006

2. Specialization:-Structural engineering

3. Subject taught :-UG/PG:-Civil Engineering Materials **and constructions**, limit state of design of structure, Advance steel structure ,CAD,MIDAS, STAAD Pro.RCDC.

4. Publications

List of Research Publications (only in Peer-reviewed Journals)

- 1 Ansari, M. M., Gopinathan, P., Karmakar, A., Tripathy, A., **Kisku, N.**, Subramani, T., & Santosh, M. S. (2025). Valorization of Coal Mine Overburden as Sustainable Aggregate in Concrete Using Geotechnical and Geological Characterization. *Land Degradation & Development* John Wiley & Sons, Ltd.<https://doi.org/10.1002/ldr.70266>

- 2 Mandal, R., Panda, S. K., **Kisku, N.**, Rajhans, P., Banerjee, S., & Nayak, S. (2023). Improvement of shear capacity of RAC beams by adopting identical mortar volume method of mix-design along with dual-stage mixing approach. *European Journal of Environmental and Civil Engineering*, **Taylor & Francis** 27(3), 1429-1445. <https://doi.org/10.1080/19648189.2022.2083023>
- 3 **Kisku, N.**, Rajhans, P., Panda, S. K., Nayak, S., Pandey, V. (2020), “Development of durable concrete from C&D waste by adopting identical mortar volume method in conjunction with two-stage mixing procedure”, *Construction and Building Materials*, **Elsevier**, 256, 119361, <https://doi.org/10.1016/j.conbuildmat.2019.05.149>.
- 4 **Kisku, N.**, Rajhans, P., Panda, S. K., Pandey, V., Nayak, S. (2020), “Microstructural investigation of recycled aggregate concrete produced by adopting equal mortar volume method along with two stage mixing approach”, *Structures*, **Elsevier**, 24, 742-753, DOI: 10.1016/j.istruc.2020.01.044
- 5 Rajhans, P., **Kisku, N.**, Nayak, S. and Panda, S. K. (2020), “Sustainable self compacting acid and sulphate resistance RAC by two stage mixing approaches”, *Advances in Concrete Construction*, **Dbpia.Co.K**, 9(1), 55-70, DOI: 10.12989/ acc.2020.9.1.055.
- 6 Rajhans, P., Chand, G., **Kisku, N.**, Panda, S. K. and Nayak, S. (2019), “Proposed mix design method for producing sustainable self-compacting heat cured recycled aggregate concrete and its microstructural investigation”, *Construction and Building Materials*, **Elsevier**, 218, 568-581. <https://doi.org/10.1016/j.conbuildmat.2019.05.149>
- 7 Kisku, N., Joshi, H., Ansari, M., Panda, S. K., Nayak, S. and Dutta, S. C. (2017), “A critical review and assessment for usage of recycled aggregate as sustainable construction material”, *Construction and Building Mater*, **Elsevier**, 131, 721-740, <https://doi.org/10.1016/j.conbuildmat.2016.11.029>
- 8 **Kisku, N** Panda,S.k,and Pandey,V. (2015) Enhancement of durability properties of recycled aggregate concrete by two stage mixing approach advancement in structure concrete. *ICI-ACECON 2015;8-10 oct 2015;379-385*

5. Post hold

S. No.		From (date/month/year)
1	Astt. Prof. I/C Tour and training	17.9.2008 till date-----
2	Prof. I/C (Convener) Rural technology development	16.10.2017 Till date----
3	Secretary in charge of grievance cell BIT Sindri	16.2.2019 to till date-----
4	Construction committee member	From 2024----

6. . Professional Membership:

Sr No.	Professional Development Activities	Membership type	Membership date
1	Life Membership ISTE.(LM-82600) Contd.from 2012.	Life time	2012
2	Associate Membership of Institution of Engineers (INDIA).2017	Life time	2017

7. Details of R&D (consultancy)

Sl no	Title of consultancy Project	Amount	Client	Remarks	Enclosure no
1	“Stability test of Warf wall constructed at 5.0 Mtpa NLW Washery at Patherdih and its further strengthening.”	7.39 Lacs.	BCCL	Completed 2020	
2	“Investigation for the Quality Check of PQC surface for Four/Two laning with paved shoulders of Govindpur (Rajgunj) Chas West Bengal Border Section of NH-32 from Ch.0.000 to Ch.56.889 in the State of Jharkhand.”	0.5 Lacs.	NHAI	Completed 2020	
3.	Engagement of consultant for the work of construction of FCI Godown etc. at shaharghati, Dumka, Jharkhand	14.75lakh	FCI	Completed 2024	

E. FDP COURSE/SWAYAM NPTL

Sl NO	Course Name	Organisation	Duration	Enclosure No
1.	Water resources system planning management and development for water scare area	CED,BIT SINDRI	01 Week (26 th June-30 th June30-2021)	
2.	Professional development training programme on research method	IIIM, Bodh Gaya	01 week (18 th Jan-21 th Jan 2021)	
3.	Emerging manufacturing Technologies and strategies (EMTS2021)	Production Engg. College BIT , Sindri	01 Week (5 july21-9 th july21)	

4.	FDP, On modern tool usage in multi discipline of Civil Engg.	Inderprastha Engg. College Lukhnow,UP	01 Week (6th Sept21-10 th Sept21)	
5.	Data science and machine learning using Python for Beginners	CED,BIT SINDRI	01 Week (19 th sept -29 th sept 2021-29 Oct2021)	
6.	Design of reinforced concrete structures	SWAYAM (NPTEL)	12 weeks (July 2022-Oct 2022)	
7.	Mechanics of solid	SWAYAM (NPTEL)	12 weeks (July 2022-Oct 2022)	
8.	Design of steel structure	SWAYAM (NPTEL)	12 weeks SWAYAM (NPTEL)	
9.	Building materials as a cornerstone to sustainability	SWAYAM (NPTEL)	12 weeks SWAYAM (NPTEL)	