

Dr. NISHIKANT KISKU

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Assistant professor

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I. Qualification:-

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

1. **Joining Date :-12.9.2006**

2. **Specialization:-**Structural Engineering

3. **Subject taught :-UG/PG:-**Civil Engineering Materials and constructions, Structural analysiss-1,CAD

4. **List of Publications:**

International journal Articles (SCI Indexed/international)

- 1 **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, DOI: <https://doi.org/10.1016/j.conbuildmat.2020.119361>.
- 2 **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 <https://doi.org/10.1016/j.istruc.2020.01.044>

- 3 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*, **TechoPress**,9(1),55-70, <https://doi.org/10.12989/acc.2020.9.1.055>
- 4 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>
- 5 M.K.Mahendra ,K.Sachin, **Kisku.N** (2019) Experimental study of water cooled ferrochrome slag as fine aggregate, *IJRARE-ISSN 2348-1269, P- ISSN 2349-5138* 6 (2) 5138
- 6 Nayan, Rajeev, and **N K Kisku**. 2017 Comparative Study of Different Types of Steel Fiber over Conventional Concrete. *International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653, 5 9653.*
- 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 Materials*, Elsevier, 131, 721-740, <http://dx.doi.org/10.1016/j.conbuildmat.2016.11.029>
- 8 Thirtha, **Kisku,N** (2016). Analysis & Design of HV road by partial replacement of soil sub grade by GGBS;IJETT 41,Nov. 5 -2016;309-317.
- 9 Hansda,R N.Kisku,N and JP singh (2016). Characterization of soil properties with different admixture ;IJETT Oct 2016T, IJETT o,N -2, 85-89.
- 10 Kumar,S,Pal,S, and **Kisku,N** (2017)Experimental invetigation of recycled aggregate concrete using pre-soaked slurry two stage mixing approach.*IJCIET;V-8,Issue-1;jan2017;89-97* <http://www.iaeme.com/IJCIET/issues>.
- 11 **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*
- 12 kanddula,B **kisku, N.**(2016) Experiment study of Clay soil with lime and Rice Hush ash. IJETT, Aug.2016 38,N-7, 365-71. <http://dx.doi.org/10.14445/22315381/IJETT-V38P266>
- 13 Thakur,I, **Kisku,N** and kumara,S. (2016).Properties of concrete incorporated with GGBS IJRET, Aug. 2016,5, Issue8:,275-81.
- 14 Kumar,S, Kisku,N (2016)..Effect of partial replacement of cement with marble dust powder on properties of concrete. *IJIRSET Aug.2016,V-3, Issue3, 41-45*
- 15 Kumari, R., **Kisku, N.**, & Pandey, V. (2015). Effect of percentage variation of silica fume and different mixing approach on recycled aggregate concrete IJIRSET,June 2015,V-4, issue6,4373-5836
- 16 Ekka,N, **Kisku ,N** & Pandey, V(2015) Influence of fly ash as cement replacement on the properties of recycled aggregate concrete by different mixing approach. *IJIRSET,June 2015,v-4, issue6,4373-5836*

5. FDPs Attended:**2020-2021**

Sl no	Name of the course /Summer School	Place/ Duration	Course Name
1	Water system planning, management and development for the water scare area june26-30, 2021.	BIT Sindri; june26-30, 2021 [01 week]; TEQIP-III	Short term
2	Emerging manufacturing technologies and strategies (EMTS).	Production Engg. department, BIT SINDRI; 5-9 July 2021 [01 week]; TEQIP-III	Short term
3	MIDAS Software training.	Midas research and development center, India, 28 May - 12 June 2020, [01 week], Midas R&D center, India	Short term
4	Advanced Industrial Automation Using PLC & SCADA.	BIT Sindri, 1-5 Nov 2020; TEQIP [01 week]	Short term

2019-2020

Sl no	Name of the course /Summer School	Place/Duration	Course Name
5	One –week faculty development Natural language processing.	BIT Sindri, 6-10 January 2020 [01 week], TEQIP-III	Short term
6	Basic Conventional Bridges.	Webinar online 11-16 May 2020; Midas R&D center, India [01 week]	Short term
7	Advance Conventional Bridges.	Webinar online 18-22 May 2020; Midas R&D center, India [01 week]	Short term
8	Recent Advances in civil engineering.	Veermata Jijabai Technology Institute (VJTI) Mumbai Engineering College Ajmer, Rajasthan; 2 nd June - 7 th June 2020 [01 week]	Short term

2018-2019

9	Recent Advancement in Civil Engineering-2018.	7 Dec-11 Dec. 2018 BIT Sindri; TEQIP, [01 week]	Short term
10	Role of Chemical Engineers in Environmental Protection]	, BIT Sindri - 2018, 5-6 Oct 2018, [2 day]	W/S

2017-2018

	Name of the Course	Place/ Duration	Course
11	Advances in Structural & Geo Technical engineering.	IIT Ism Dhanbad 05.06.2018 to 09.06.2018; MHRD [01 week]	<i>Short term</i>
12	ANN and deep learning	BIT sindri 11.06.2018 to 15.06.2018; MHRD [01 week]	<i>Short term</i>
13	Active Learning.	IIT Gandhi Nagar ,18.06.2018 to 22.06.2018; MHRD [01 week]	<i>Short term</i>
14	Testing of pavement materials.	NITTR Kolkata NITTTR, Kolkata, Estb. By MHRD, Govt. of India .[12.6.17-16.6.17]: [01 week]	<i>Short term</i>

15	ICT Skills for Teachers.	Electronics & ICT Academy, Govt. of India,Held at B.I.T. Sindri. [19.6.26.6.17]: (01 week)	Short term
16	Role of technical institution in implementation of community development programme.	In-House STTP of NITTTR, Kolkata; Held at Bhaga Polytechnic (B.I.T. Sindri Campus. [28.6.17-7.7.17]: 2weeks	Short term

6. Symposium/Workshop/Seminar Attended

SL No	W/S	Seminar Proceeding Details/organized department.	Pub. Year/Held one	Types of Seminar	Author. Name
1	Water resources Management	Department of geology;18 th -19 th dec2019 at BIT SINDRI.	2019	<i>National</i>	<i>Participated</i>
2	NBA and NAAC Accreditation	NBAand NAAC Accreditation.	9-11 Nov.2017	<i>National</i>	<i>Participated</i>
3	Outcome based education certification and Accreditation	Outcome based education certification and Accreditation; BIT SINDRI.	16-17 March.2018	<i>National</i>	<i>Participated</i>
4	Role of chemical engineer in environment	Role of chemical engineer in environment protection RCEP-2018, BIT SINDRI; TEQP – III.	5-6 Oct 2018	<i>National</i>	<i>Participated</i>

	protection RCEP-2018				
5	Science and technology of special steel and nanomaterial.	Science and technology of special steel and nanomaterial ' BIT SINDRI ; TEQP –III	17-18, Feb 2018	<i>National</i>	<i>Participated</i>

7. Paper presentation Details _ Nil

8. Awards:-Nil

9. Member of professional bodies:-

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

10. Institutional Assignment Detail

S. No.	Position Held	From (date/month/year)
1	Astt. Prof. I/C Tour and training	17.9.2008 till date-----
2	Construction committee member	4.2.2017 to till date-----
3	Prof. I/C (Convener) Rural technology development	16.10.2017 Till date----
4	Secretary in charge of grievance cell BIT Sindri	16.2.2019 to till date-----
5	Coordinator, National Board of Accreditation, Civil Engg. Department	2017-till date-----

11. Detail of Project Guided:-

S.No	Name of M.Tech Student	Year	Title of the Dissertation
1	Niman Priyanka Ekka	2015	Influence of fly ash as partial replacement of cement on the properties of recycled aggregate concrete by different mixing approaches.
2	Rina kumari	2015	Effect of partial percentage variation of silica fume and different mixing approach on recycled aggregate concrete.
3	Santosh kumar	2016	Experimental investigation of recycled aggregate concrete using pre- soaked slurry two stage mixing approach.
4	Amit kumar	2016	Effect of silica fume and fly ash as partial replacement of cement on strength of concrete.

5	Benjamin kandula	2016	Study on behavior of clay soil with lime and rice husk ash.
6	Rajeev kumar	2017	Comparative study of different types of steel fiber over conventional concrete.
7	Mahendra kumar Mahato	2019	Experimental study of water cooled ferrochrome slag as fine aggregate on the properties of concrete.
8	Raghov mishra	2020	Concrete mix design using recycled aggregate.

12. Detail of Consultancy Handling: -02

Sl no	Title of consultancy Project	Amount	Client	Remarks
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 20

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