



Ankita Sikder

Pursuing PhD, Civil Engineering



Contact

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Academics

2018 – Present:

Pursuing Ph.D. –KIIT
University
Bhubaneswar, Odisha.

2015 – 2017:

M. Tech – KIIT University,
Bhubaneswar, Odisha.

CGPA 8.45/10

2011 – 2015

B. Tech – Gargi Memorial
Institute of Technology,
Baruipur, Kolkata.

CGPA 8.39/10



Personal details

Date of Birth: 05/06/1992

Nationality: Indian

Language known: Bengali,
English, Hindi.

Marital Status: Married.



Objective

Seeking a competitive, challenging and highly professional environment where I can use my personal skills and technical attributes to achieve, implement and deliver define goals.



Work Experience

❖ 2017 – 2018

❖ Assistant Professor

Worked as an assistant professor for 11 months at Ideal Institute of Engineering, Kalyani, West Bengal.

Subjects undertaken

- ✓ Construction planning and Management, Concrete technology, Building material and Construction, Soil Mechanics, Environmental engineering, Concrete Laboratory.

❖ 2018 – Present

❖ Teaching Assistant

Currently working as a teaching assistant at KIIT University, Bhubaneswar, Odisha.

Subjects undertaken

- ✓ Material testing lab, Engineering graphics, Structural Design.



Projects Undertaken

Glass fiber reinforced geopolymer concrete (2016-17), M. Tech Project, KIIT University.

Key Activities:

- ❖ Geopolymer Concrete.
- ❖ Fiber reinforced geopolymer concrete.
- ❖ Effect of different percentage of glass fiber addition in geopolymer concrete in terms of mechanical, durability and microstructural properties.



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Skills and Expertise

| | |
|-----------------------|------------------------|
| AutoCAD | <div><div></div></div> |
| STAAD Pro | <div><div></div></div> |
| MATLAB – Simulink | <div><div></div></div> |
| Design of Experiments | <div><div></div></div> |
| MS Project | <div><div></div></div> |
| C-Programming | <div><div></div></div> |
| MS Excel | <div><div></div></div> |



Achievements

- Getting scholarship from KIIT University as a research scholar.
- 1 paper published in a Scopus Indexed journal.
- ICONSWM Excellence Award 2019.



Trainings

- McNally Bharat Engineering Company Limited in G+13 multistoried building.
- Westing House Saxby Farmer Ltd., (W.B Gov) in B.R.T.S. Road Project at Garia Dhalai-Bridge to Ultadanga.

Performance of geopolymer concrete using sugarcane bagasse ash as binder (2018-Present), Ph.D. Project, KIIT University.

Key Activities:

- ❖ Fly ash replacement with sugarcane bagasse ash (SBA).
- ❖ Effect of different percentage of SBA replacement with fly ash in geopolymer concrete in terms of mechanical, durability and microstructural properties.
- ❖ Effect of Different molarity in geopolymer concrete in terms of mechanical, durability and microstructural properties.
- ❖ Prediction model for desirable compressive strength.



Conference and Research papers

- ❖ Sikder Ankita, Bera D (2016), "Bamboo as a green building material in construction industry - a review", International Conference on Recent Advances in Mechanics and Materials (ICRAMM-2016), 17-18 December 2016, VSSUT, Burla, Odisha, India.
- ❖ Sikder Ankita, Saha Dr. Purnachandra (2019), "Effect of bacteria on performance of concrete/mortar: a review", International Conference on Advances in Civil engineering (ICACE - 2019), 21-23 March 2019, K L Deemed to be University, Vijayawada, A.P., India. (**Published**)
- ❖ Sikder Ankita and Saha Purnachandra (2019), "Durability Properties of Geopolymer Concrete Utilizing Waste as Binder", 9th International Conference on Sustainable Waste Management towards Circular Economy 2019 (IconSWM-CE 2019), 27-30 November, KIIT Deemed to be University, Bhubaneswar, Odisha, India.
- ❖ Sikder Ankita and Ghosh Sukamal Kanta (2019) "Utilization of fly ash as a replacement of sand in concrete for sustainable construction", 9th International Conference on Sustainable Waste Management towards Circular Economy 2019 (IconSWM-CE 2019), 27-30 November, KIIT Deemed to be University, Bhubaneswar, Odisha, India.
- ❖ Sikder Ankita and Saha Purnachandra (2020), "Performance of Sugarcane Bagasse Ash in Geopolymer Concrete as Binde", International Conference on Recent Developments in Sustainable Infrastructure: Research and Practices (ICRDSI 2020), 18-21 December, KIIT Deemed to be University, Bhubaneswar, Odisha, India.
- ❖ Sikder Ankita and Saha Purnachandra (2021), "Effect of different types of Waste as Binder on Durability Properties of Geopolymer Concrete: A Review", International Conference on Community Based Research and Innovations in Civil Engineering (CBRICE-2021), 18-19 March, Manipal University Jaipur, Rajasthan, India.

I hereby declare that, the above information by me is true and correct.

Date: June 2021

Ankita Sikder