Name: Ms. ANKITA SOM

Department: CIVIL ENGINEERING

Contact Nos.: 9046791517

Qualifications: PHD (PURSUING), M.TECH (STRUCTURAL ENGINEERING)

Designation: ASSISTANT PROFESSOR

VIDWAN ID: 187637

Experience (Teaching / Research / Industry, in years): 6 YEARS IN TEACHING

Date of Joining at the Present Institution: 12.08.2015

Examinations Cleared: GATE

Qualifications Summary (Reverse chronological order):

| Degree | Institute | From - To | Subjects |
|--------|------------------------------|-----------|------------------------|
| M.TECH | NIT, DURGAPUR | 2013-15 | STRUCTURAL ENGINEERING |
| B.E. | THE UNIVERSITY OF BURDWAN | 2009-13 | CIVIL ENGINEERING |

Experience Summary (In chronological order):

| | 0 / | | | |
|---------------------|---------------------|--------|---------------------|--|
| Designation | Organization | | Date From - Date To | |
| ASSISTANT PROFESSOR | DR. B. C. ROY | DEGREE | 12 AUGUST,2015 TO | |
| | ENGINEERING COLLEGE | | ONGOING | |

Specialization/Research Interest: STRUCTURAL ENGINEERING, OFFSHORE ENGINEERING, CONTROL SYSTEMS

Courses taught:

Building Materials & Construction, Concrete Technology, Prestressed Concrete, Concrete Technology, Introduction to Solid mechanics, Structural Analysis, Construction Planning and Management,

Solid Mechanics Laboratory, Building Design and Drawing, Concrete Laboratory, Quantity Surveying, Specification and Valuation, Cad Laboratory, Environmental Engineering, Structural Engineering Design Practice, Computer Aided Civil Engineering Drawing, Soil mechanics Laboratory

Online Mode of Teaching:

https://drive.google.com/drive/folders/1MQG1j_IlcUM_N5LT1QC6IQFWKR-IvKZZ?usp=sharing

Publications:

Journal:

1. Som, A., Das, D., Seismic vibration control of offshore jacket platforms using decentralized sliding mode algorithm. Ocean Eng. 2018;152: 377-390.

DOI: https://doi.org/10.1016/j.oceaneng.2018.01.013

Link: https://www.sciencedirect.com/science/article/abs/pii/S0029801818300131

2. Som, A., Das, D., Sliding Mode Control of Fixed Jacket Offshore Platform Structures. Journal of Basic and Applied Engineering Research Print ISSN: 2350-0077; Online ISSN: 2350-0255; Volume 2, Number 10; April-June, 2015 pp. 883-886

Conference:

- 1. Som, A., Das, D., "Effect of Drag Force Linearization and Damper Placement Optimization on Semi-Active Sliding Mode Control of offshore Structures", Second ASCE India Conference on "Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies", CRSIDE 2020, Kolkata, March 2-4, 2020, AIC2020-30-326, ISBN:978-93-5396-500-6.
- 2. Som, A., Das, D., "Decentralized Sliding Mode Control Of Offshore Jacket Platform Subjected To Earthquake Excitations", 16th World Conference on Earthquake Engineering, 16WCEE 2017, Santiago Chile, January 9th to 13th 2017, Paper N° 1607 (1607)

Link: http://wcee.nicee.org/wcee/article/16WCEE/WCEE2017-1607.pdf

Supervision of B.Tech Projects:

| TITLE OF THE PROJECT | NAME OF THE STUDENT | UNIVERSITY ROLL NO | YEAR |
|-------------------------------|------------------------|-----------------------|------|
| Seismic Evaluation Of Four | Vivek Mishra | 12001312063 | 2016 |
| Storied RC Structure Using | Abhisek Das | 12001313125 | |
| Sap2000 V 14 | Biswajit Nag | 12001313127 | |
| | John Rai | 12001313128 | |
| | Pritam Panda | 12001313130 | |
| | Siddhartha Das | 12001313132 | |
| | Sk Khademgir | 12001313133 | |
| Seismic Evaluation Of Four | Arnab Kumar Barman | 12001314122 | 2017 |
| Story Reinforced Concrete | Koushik Das | 12001314127 | |
| Structure Using Staad.Pro | Pallab Dutta | 12001314133 | |
| | Md Ajahar Uddin | 12001314130 | |
| | Md Mursalin Hoque | 12001314131 | |
| | Atanu Roy | 12001313021 | |
| | Ayan Mukherjee | 12001313023 | |
| | Kousik Charan | 12001313044 | |
| | Madhab Patra | 12001313048 | |
| Partial replacement of cement | Kaushal Anand | 12001314040 | 2018 |

| | 1 | 1 | 1 |
|---|-----------------------|----------------------------|------|
| with crushed marble dust, fine Anurag Dutta | | 12001315128 | |
| aggregate with crushed marble | Archita Deb | 12001315129 | |
| and coarse aggregate with | Avijit Dey | 12001315132 | |
| jhama bricks in concrete cube | Bipasha Mondal | 12001315133 | |
| | Kumar Anikesh | 12001315135 | |
| Partial replacement of | Sourabh Kumar | 12001315101 | 2019 |
| cement with rice husk ash | Sourav Das | 12001315102 | |
| | Sourish Singha | 12001315103 | |
| | Vivek Kumar | 12001315119 | |
| | Goutam Mukherjee | 12001316015 | |
| | Arnab Kumar Mukherjee | 12001316018 | |
| | Apurba Adhikary | 12001316022 | |
| | Abhishek Gorai | 12001316023 | |
| Design of Rainwater | Prashant Singh | 12001316076 | 2020 |
| Harvesting System For | Prashant Kumar Singh | 12001316077 | |
| BCREC, Durgapur | Prashant Abhishek | 12001316078 | |
| , 21 | Piyush Ranjan | 12001316079 | |
| | Pawan Kumar | 12001316080 | |
| | Pappu Kumar | 12001316081 | |
| | Om Prakash | 12001316083 | |
| Comparative study on design of | Kisalay Kumar | 12001317079 | 2021 |
| simply | , , , | | |
| supported beam using various | Himanshu Ranjan | 12001317081 | |
| codes | | | |
| Faizan Chisty Ahmad | | 12001317082 12001317083 | |
| | Divya Kumari | 12001317084 | |
| | | 1 | 1 |

Participation in seminar/conference/symposium/workshop/discussion meeting

| Name of the event | Duration | Year | Organized by |
|---|-----------------------|------|---------------------------|
| Civil Engineering Project Management | 1 Day (12th June) | 2020 | Dr. B. C. Roy Engineering |
| | | | College, Durgapur |
| World Environmental Day | 1 Day (5 th June) | 2020 | Dr. B. C. Roy Engineering |
| | | | College, Durgapur |
| International Conference on Challenges of | 3 day (March 2nd-4th) | 2020 | ASCE India Section |
| Resilient and Sustainable Infrastructure | | | |
| Development in Emerging Economics | | | |
| Teaching and Learning Skill Development | 1 day (August 22) | 2019 | Dr. B. C. Roy Engineering |
| | | | College, Durgapur |
| Seminar on Climate Change | 1 Day (June) | 2019 | IIEST, SHIBPUR |
| Integration between Global Navigation | 1 day (February 17) | 2018 | Dr. B. C. Roy Engineering |
| Satellite Systems and Wireless | | | College, Durgapur |
| Communications and Networking Systems | | | |
| Seminar on "Advances in Nano-Satellite | 1 day (November 4) | 2015 | Dr. B. C. Roy Engineering |
| Technology" | | | College, Durgapur |

| Name of the faculty | Online/ | From Date - To | Duration | Year | Organized by |
|------------------------|--------------|------------------|----------|-------|----------------|
| development | Face-to-face | Date | | | |
| programmes | | | | | |
| Creative problem | Online | 2nd April, 2020- | 8 weeks | 2020 | NITTTR(SWAYAM) |
| Solving, Innovation | | 30th April | | | |
| and Meaningful R & D | | | | | |
| HSE Practices for | Online | Jul-Oct | 12 weeks | 2019 | NPTEL |
| Offshore and | | | | | |
| Petroleum Industries | | | | | |
| Two- week ISTE STTP | Online | 30th November, | 2 weeks | 2015- | IIT Kharagpur |
| on Introduction to | | 2015- 9 th | | 16 | |
| Structural Engineering | | January,2016 | | | |

Organization of events (Dr. B. C. Roy Engineering College)

Intra College Wall Magazine Competition (Event Coordinator), 5th September, 2019 31st August, 2018

HORIZON, BCREC TechFest (Faculty Coordinator): 2016, 2017, 2018, 2019, 2020

Annual Sports Meet (Member): 2018, 2019, 2020

Anti-Ragging Roving Committee (Member): 2019, 2020

Participation in administrative committees (selected)

Hostel Superintendent of Mother Teresa Girls Hostel (2020-2021)

Membership of professional bodies: ASCE (American Society of Civil Engineers)