

Name: Dr. Sabyasachi Chandra

Department: Civil Engineering

Contact Nos.: 9800463502

Qualifications: B.E., M.Tech, PhD

Designation: Professor

VIDWAN ID: <https://vidwan.inflibnet.ac.in/profile/186491>

Experience (Teaching / Research / Industry, in years): Teaching – 10.3 Yrs; Industry – 2.6 Yrs

Date of Joining at the Present Institution: 5 July 2011

Examinations Cleared: GATE

Qualifications Summary (Reverse chronological order):

Degree	Institute	From – To	Subjects
B.E	Jalpaiguri Govt. Engg College	June, 1997-June,2001	Civil Engineering
M.Tech	IIT Guwahati	July, 2001-March, 2003	Structural Engineering
PhD	IIT Kharagpur	July, 2006- June, 2011	Structural Engineering

Experience Summary (In chronological order):

Designation	Organization	Date From – Date To
Professor	Dr. B.C. Roy Engineering College	Sept, 2016 - Present
Associate Professor	Dr. B.C. Roy Engineering College	Jan, 2015 – Aug, 2016
Assistant Professor	Dr. B.C. Roy Engineering College	July, 2011- Dec, 2014
Assistant Engineer	Irrigation & Waterways Dept, WB Govt	Sept, 2007 – June, 2008
Design Engineer	Development Consultants Pvt. Ltd, Kolkata	April, 2003 – Jan, 2005

Specialization/Research Interest: Structural Engineering



Awards & Recognitions

Best paper/ scholarship/Position in university exam/ awards while at industry/ other organizations etc.

- Senior Research Fellowship (SRF) by Council of Scientific and Industrial Research, New Delhi, 2009.
- MHRD Scholarship for Doctoral program at Indian Institute of Technology Kharagpur, 2006.
- MHRD Scholarship for M.Tech program at Indian Institute of Technology Guwahati 2001.
- P. K. Chauduri Memorial Medal (1996) from G. D. Lang Institution, Raghunathpur, Purulia.
- Basanti Devi Prize (1996) from G. D. Lang Institution, Raghunathpur, Purulia.

Courses taught:

B.Tech:

Theory:

- Engineering Mechanics, CE(ES)301
- Solid Mechanics, CE301
- Introduction to Solid Mechanics, CE(ES)402
- Structural Analysis, CE402
- Structural Analysis-I, CE(PC)503
- Design of RC Structures, CE(PC)501
- Design of Steel Structures, CE(PC)604
- Structural Analysis-II, CE(PE)602B
- Prestressed Concrete, CE604B
- Advanced Structural Analysis, CE(PE)704B
- Design of Tall Buildings, CE802C

Practical:

- Solid Mechanics Laboratory, CE(ES)491
- Computer Aided Civil Engineering Drawing, CE(ES)392
- RC Design Sessional, CE(PC)591
- Steel Structure Design Sessional, CE(PC)694
- Detailing of RC & Steel Structures, CE692
- CAD Laboratory, CE693

M.Tech: Nil

Online Mode of Teaching: Conducted online classes in Google meet, quizzes and continuous assessment exams for theory and practical subjects through Google form during the COVID lockdown period. Also sent lecture notes/ PPTs/ videos to students through email/ weblink etc.

Publications:

Journal:

1. **Sabyasachi Chandra** & S.V. Barai, "Damage Assessment of Frame Structure using Quadratic Time-Frequency Distributions", "Structural Engineering and Mechanics", 2014, 49, 3, 411-425, ISSN: 1225-4568 (Print), ISSN: 1598-6217 (Online). DOI: <http://dx.doi.org/10.12989/sem.2014.49.3.411>
2. **Sabyasachi Chandra** & S.V. Barai, "Experimental Investigations and Critical Observations on the use of Modal Parameters for Structural Damage Detection", "Current Advances in Civil Engineering", 2014, 2, 1, 6-15.
3. **Sabyasachi Chandra** & Anjan Dutta, "Reliable Shape Optimization of Structures subjected to Transient Dynamic Load using Genetic Algorithm", "Shock & Vibration", 2005, 12, 6, 407-427, ISSN: 1070-9622 (Print), ISSN: 1875-9203 (Online).

Conference:

1. **Sabyasachi Chandra** and S.V. Barai, "Damage Assessment in Frame Structure using Wavelet Analysis", "3rd International Congress on Computational Mechanics and Simulation", 1-5 Dec, 2009, International, IIT Bombay.
2. **Sabyasachi Chandra** and S.V. Barai, "Structural Damage Detection by Spatial Response Analysis", "4th International Conference on Theoretical, Applied, Computational and Experimental Mechanics", 27-29 Dec, 2007, International, IIT Kharapur.

Book: Nil

Book Chapter: Nil

Supervision of Ph.D/M.Tech/ B.Tech Projects:

For Ph.D.: Nil

B.Tech Projects:

1. Manish Kumar Mahato (12001318026), Durlav Gorain (12001318027), Debpratim Banerjee (12001318028), Debanjan Mukherjee (12001318029), Bhabatosh Dutta (12001318030), Ayan Barik (12001318031), Siddhant Chaudhary (12001317039), Subham (12001317040), Shouvik Bhakta (12001317041), Dr. Sabyasachi Chandra, "Analysis and Design of RC Circular Water Tank", 2021.

Invited Lectures: Nil

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

- National Conference on Emerging Trends on Sustainable Technology and Engineering Applications (NCETSTE), 7-8 Feb, 2020, Dr. B. Roy Engineering College, Durgapur.
- 3rd International Congress on Computational Mechanics and Simulation", 1-5 Dec, 2009, IIT Bombay.
- 4th International Conference on Theoretical, Applied, Computational and Experimental

Mechanics", 27-29 Dec, 2007, IIT Kharagpur.

Participation in faculty development programmes: Nil

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

National Conference on Emerging Trends on Sustainable Technology and Engineering Applications (NCETSTEA), 7-8 Feb, 2020.

Participation in administrative committees (selected):

Project Ideas Submitted to Govt. Agencies/ On-going Projects / Research Ideas under preparation & execution

Project Idea: Structural health monitoring using signal processing based approaches

Funding Agency: Council for Scientific and Industrial Research (CSIR), New Delhi.

Membership of professional bodies: Nil