# Faculty Profile

Name:                     **Sarit Chanda**

Designation:              Assistant Professor

Teaching Areas:           Strength of Materials
                          Structural Analysis
                          Design of Steel and Concrete Structure

Research Interests:       Structural Dynamics, Source mechanism of Earthquake

Education:                PhD. (Pursuing), Indian Institute of Technology, Hyderabad
                          M.Tech in Seismic Science and Engineering, NIT Agartala, 2015 B.Tech in Civil Engineering,
                          NIT Agartala, 2012

**Professional Experience: 6 Years**

1. 2015- Till Date: Assistant Professor, IcfaiTech, IFHE- Hyderabad

2. 2012-2013: Teaching Assistant, NIT Agartala

**Publications:**

1. Rogozhin E.A., Somala S.N., Erteleva O.O., Aptikaev F.F., **Chanda S.** (2020) Seismic hazard assessment of Garhwal region, Himalaya, Izvestiya, Atmospheric and Oceanic Physics, 2020, vol. 56. ISSN: 0001-4338 (Print),1555-628X

2. **Chanda, S.**, S. N. Somala, (2020) Vibration-based structural damage detection using Autoencoder Neural Networks, 2nd ASCE India Conference on "Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies (CRSIDE2020), Kolkata, India

3. **Chanda, S.** and S. N. Somala, (2019) A Propagating Dislocation based Simulation of 2005 Kashmir Earthquake, 7th International Congress on Computational Mechanics and Simulation (ICCMS), IIT Mandi

4. **Chanda, S.** S. N. Somala and Ogasawara, H., (2017) Source Inversion Validation for the ICDP project: 'Drilling into Seismogenic Zone (DSeis) of Earthquakes in South African Gold Mines', Workshop on Frontiers in Studies of Earthquakes and Faults, Shenzhen, China

5. **Chanda, S.** (2016) 'Seismic assessment and retrofitting of elevated water tank using active tendon control', FST, IFHEHyderabad: International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016).