



**Name: Dr Mrinmoyee Bhattacharya**

**Designation: Assistant Professor**

**Qualifications: M.Tech, Ph.D.**

**Email ID: mrinmoyee89@gmail.com**

### ***Biographical Sketch***

I have joined St. Xavier's University, Kolkata on 3rd July, 2023. Passionate and dynamic educator with over 3 years' experience, dedicated to inspiring student learning and actively contributing to various research projects. I was awarded Ph.D. in Engineering from ISRO, Ahmedabad in the year 2022. I have published around 16 papers in international journals and conferences. I derive immense satisfaction from engaging in teaching and research activities, which has fuelled my desire to pursue a fulfilling career in this field.

### ***Areas of Specialisation and Research***

Machine Learning, Artificial Intelligence, Image Processing, Pattern Recognition, Cyber Security, Deep Learning

### ***Teaching Experience***

I have around 3 years of teaching and 5 years of research experience in degree level engineering colleges and universities.

### ***Administrative Responsibility***

## Publications

1. **Mrinmoyee Bhattacharya**, Mourani Sinha, 2021 “Basin scale wind-wave prediction using empirical orthogonal function analysis and neural network models” (accepted, Results in Geophysical Sciences, Elsevier, DOI: <https://doi.org/10.1016/j.ringps.2021.100032>)
2. Mourani Sinha, **Mrinmoyee Bhattacharya**, 2021, “A probabilistic approach to estimate design wave parameters and extreme wave return values for 100 years in the Indian Ocean” (accepted, Scopus Indexed Springer Proceeding)
3. Mourani Sinha, **Mrinmoyee Bhattacharya**, M. Seemanth and Suchandra A. Bhowmick, 2021, "Spatio-temporal model to predict design and operational wave statistics along the coasts of the Indian Ocean to reduce hazards " (accepted in Scopus Indexed SCI Elsevier Journal)
4. Mourani Sinha; Susmita Biswas; **Mrinmoyee Bhattacharya**; Suchandra Aich Bhowmick; A D Rao, (2021), Estimation of sustainable wave energy during tropical cyclones in the Bay of Bengal using numerical model and satellite data (accepted in Scopus Indexed SCI Springer Journal)