# Walk-in interview for RA position in a DST sponsored R&D project

We are looking for a young, creative and enthusiastic candidate to contribute in a DST sponsored research project as part of National Supercomputing Mission (NSM) titled "Robust Wind Energy Conversion System – when deep learning meets sustainable energy utilization."

**Position available: 1 RA (Research Associate)**                    **For Period: 2 years**

**Essential Qualifications:**

1. PhD in research areas like Machine learning in Process Systems Engineering, Multi-objective optimization, Evolutionary algorithms, Deep learning (LSTMs and CNNs), Surrogate modelling, Optimization under uncertainty, Bayesian Non-parametric methods, Nonlinear control using Reinforcement Learning, Modelling and Simulations, from a reputed institute.
2. Graduates from Departments of Chemical engineering, Artificial Intelligence are encouraged to apply.
3. Graduated (PhD) between 2016 to till date. (Scholars who have submitted their thesis will also be considered)
4. At least 5 international peer reviewed journal publications in aforementioned areas.

**Age:** Not more than 35 years as on April 22, 2021

**Desirable:** The project is purely simulations based where the candidate is supposed to build codes for training ANNs (on static, dynamic and image based datasets) without the use of open source platforms for solving Mixed Integer Nonlinear Programing problems, building AI based wake models and performing wind-farm layout optimization and control under uncertainty using strategies from Reinforcement learning. The codes will be run on High Performance Computers and thus prior experience in parallel computing, and wind energy conversion systems will be considered a plus. Candidate should be fluent in C/Fortran, Matlab and Python.

**Monthly stipend:** As per the revised GOI norms listed by DST.

**If you meet the above criteria, please send your latest CV to [kishalay@che.iith.ac.in](mailto:kishalay@che.iith.ac.in) on or before 22nd April, 2021 by 5:00 P.M.**

**Date, Venue and time of interview: Will be intimated after the shortlisting is done.**

**Note:**

1. No TA/DA will be paid for the candidates appearing in the interview.
2. If no candidate is found suitable, position may remain vacant.
3. Only the shortlisted candidates will be intimated over e-mail for the interview.

**Project Investigator(s)**

Dr. Kishalay Mitra, Professor and Head, Dept. of Chemical Engineering