Name: Dr Donrich Kharkongor

1. **Designation**: Assistant Professor.

2. **Qualification**: M.Sc. , PhD.

3. **Research Completed**: Thesis title Study of transport phenomenon in noisy environment

4**. University from which research completed**: NEHU, Shillong.

5. **Topic of Research**: Thesis – Study of transport phenomenon in noisy environment

6. **Research Interest**: Non-Equilibrium Thermodynamics, Non-Linear Dynamics, Stochastic Processes, Computational Physics

7. **Publications**:

i. Particle dynamics in a symmetrically driven underdamped inhomogeneous periodic potential systems, D. Kharkongor, W. L. Reenbohn, and Mangal C. Mahato, Phys. Rev. E 94, 022148, 2016.
ii. Resonance oscillation of a damped driven simple pendulum, D. Kharkongor, and Mangal C. Mahato, European Journal of Physics, 39, 6, 2018.
iii. Particle dynamics in a symmetrically driven underdamped inhomogeneous periodic potential system, D. Kharkongor, Shantu Saikia, A. M. Jayannavar, W. L. Reenbohn and M. C. Mahato, AIP Conference Proceedings 1832(1):110023, 2017.
iv. Inertial frictional ratchets and their load bearing efficiencies, D. Kharkongor, W. L. Reenbohn, and Mangal C. Mahato, Journal of Stat. Mech. Theory and Experiment, 2018, 2018.
v. Particle dynamics in symmetrically driven underdamped inhomogeneous periodic potential systems, D. Kharkongor and M. C. Mahato, Proceedings of the 10th Biennial PANE Conference, Excel India Publishers 2017.
vi. Forced thermal ratchets and stochastic resonance in inhomogeneous underdamped periodic potential system, V. Khongwir and D. Kharkongor, IJSR,7, 5 2018..

8. **Conferences and Seminars attended**:

i. Faculty Development programme organised by IQAC on Research Capability Enhancement on 23/08/14
ii. Xth Biennial National Conference of PANE 2016 on Recent Advances in Physics Research and its Relevance organised by St. Anthony's College, Shillong.