

Name: Prithwish Dutta

Designation: Assistant Professor

3. Educational Qualifications: M.Sc.

4. Teaching Experience: 3 years (U.G.)

5. Area of specialization/ interests: Experimental condensed matter physics

6. Publications in journals:

i) 'Anomalous thermal expansion of  $\text{Sb}_2\text{Te}_3$  topological insulator' P. Dutta, D. Bhoi, A. Midya, N. Khan, P. Mandal, S.S. Samatham, V. Ganesan, Applied Physics Letter 100, 251912 (2012).

ii) 'Probing the Fermi surface of three-dimensional Dirac semimetal  $\text{Cd}_3\text{As}_2$  through the de Haas–van Alphen technique' Arnab Pariari, Prithwish Dutta, and Prabhat Mandal, Physical Review B 91, 155139 (2015).

iii) 'Prominent metallic surface conduction and the singular magnetic response of topological Dirac fermion in three-dimensional topological insulator  $\text{Bi}_{1.5}\text{Sb}_{0.5}\text{Te}_{1.7}\text{Se}_{1.3}$ ' Prithwish Dutta, Arnab Pariari, and Prabhat Mandal, Scientific Reports 7, 4883 (2017).