

SRP-2020/127

August 20, 2020

**TO WHOMSOEVER IT MAY CONCERN**

**This is to certify that**

**Mr. Sirswa Kuleep Shree Ram**

**a student of**

**Indian Institute of Science Education and Research,  
Kolkata**

**has done a Summer Project from 05/06/2020 to 06/08/2020**

**on**

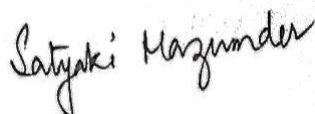
***“Splitting and acquiring quantum information with perfect  $W$  states based  
on weak cross-Kerr nonlinearities”***

**under supervision of**

**Prof. Prasanta K. Panigrahi**

**of**

**Department of Physical Sciences**



**Dr. Satyaki Mazumder**  
**Coordinator**  
**Summer Research Project**



**Dr. Alakesh Bisai, Professor**  
**Coordinator**  
**Summer Research Project**