

भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान कोलकाता

(भारत सरकार के मानव संसाधन विकास मंत्रालय द्वारा स्थापित एक स्वायत्तशासी संस्थान)

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH KOLKATA

(An autonomous Institute established by Ministry of Human Resource Development, Government of India)

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

Satyaki Mazumder Dr. Satyaki Mazumder Coordinator

Summer Research Project

ISER KOLKATA SEPARATION & WITTEN

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