

# INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, THIRUVANANTHAPURAM



## CERTIFICATE FROM THE GUIDE

This is to certify that Ms. Merin Achankunju has carried out the project entitled '**Design and synthesis of  $^{19}\text{F}$  cored DNA micelle that display off/on  $^{19}\text{F}$  NMR signal for cancer diagnosis**' at The School of Chemistry, IISER Thiruvananthapuram, for a period of three months, under my supervision for the partial fulfilment of the degree of Master of Science in Chemistry from Sacred Heart College (Autonomous) Thevara, Kochi, Kerala.

A handwritten signature in blue ink, appearing to be 'R. Varghese', is written over a faint grid background.

Dr. Reji Varghese  
(Thesis supervisor)  
School of Chemistry  
IISER, TVM

Dr. REJI VARGHESE  
Assistant Professor  
School of Chemistry  
IISER TVM