

# CERTIFICATE OF ACHIEVEMENT



*A.P.J. Abdul Kalam STEM-ER Center*  
(Indo-US collaboration)

PRESENTED TO

**Sidra Tul Muntaha**

**INTERNATIONAL ISLAMIC UNIVERSITY, PAKISTAN**



FOR SUCCESSFUL COMPLETION/PARTICIPATION OF THE RESEARCH BASED COURSE “**ATOMIC ASTROPHYSICS AND SPECTROSCOPY WITH COMPUTATIONAL WORKSHOPS ON SUPERSTRUCTURE AND THE R-MATRIX CODES II**”

LECTURER: **PROF. SULTANA N. NAHAR. PROF. ANIL K. PRADHAN (GUEST LECTURER)**

PLATFORM: ZOOM, GLOBAL PARTICIPATION, SUPPORT: OSU-USA, OSC-USA, AMU-INDIA

JUNE 18-JULY 17, 2022

**PROF. SULTANA N. NAHAR**  
ASTRONOMY-OSU, OSU & CO-DIRECTOR OF THE  
INDO-US APJ ABDUL KALAM STEM EDUCATION AND  
RESEARCH CENTER OF OSU- AMU



**PROF. TAUHEED AHMAD**  
EX-CHAIR OF PHYSCS OF AMU, AMU  
DIRECTOR OF THE APJ ABDUL KALAM STEM  
EDUCATION AND RESEARCH CENTER OF  
AMU-OSU

