



आई सी एम आर- राष्ट्रीय प्रजनन एवं बाल स्वास्थ्य  
अनुसंधान संस्थान  
स्वास्थ्य अनुसंधान ववभाग, स्वास्थ्य और पररवार  
मंत्रालय, भारत सरकार

ICMR-National Institute for Research  
in Reproductive and child Health  
Department of Health Research,  
Ministry of Health and Family  
Welfare, Government of India

## CERTIFICATE

This is to certify that, Miss. Mantasha Shaikh, student of MSc (Biotechnology).  
Ramniranjan Jhunjhunwla College (Autonomous) has completed four months of  
Research Project at the Molecular Endocrinology Lab, Indian Council of Medical  
Research- National Institute for Research in Reproductive and Child Health (ICMR-  
NIRRCH) during the academic year 2023-2024.

She has completed the dissertation work entitled "**Estimation of Mitochondria  
Membrane Potential, Reactive Oxygen Species and Copy Number in woman  
with PCOS**" for the partial fulfillment of MSc. (Biotechnology) degree.

This carefully written report represents the experiments and literature related to the  
same carried out by her during the period from "13<sup>th</sup> April 2023 to 20<sup>th</sup>" August  
2023.

I found Miss. Mantasha Shaikh to be a sincere and hardworking student. Her overall  
conduct was good.

Principal Investigator: Dr. Pallavi Shukla

Signature:

*Pallavi Shukla*  
04/11/23

Date:

Seal of the institute:

