

**SOLUTION OF TWO-POINT BOUNDARY VALUE PROBLEMS USING
QUINTIC HERMITE COLLOCATION METHOD**

A

THESIS

SUBMITTED TO



**MAHARAJA RANJIT SINGH
PUNJAB TECHNICAL UNIVERSITY
BATHINDA, PUNJAB**

IN FULFILMENT OF THE REQUIREMENTS
FOR THE DEGREE OF

DOCTOR IN PHILOSOPHY

IN

MATHEMATICS

By

SATINDER PAL KAUR
Regd. No: 17405FPE02

**DEPARTMENT OF MATHEMATICS
MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY
BATHINDA, PUNJAB**

2023