

**SYNTHESIS OF Co_3O_4 NANOPARTICLES FOR NH_3 GAS SENSING
AT ROOM TEMPERATURE & CELL VIABILITY ANALYSIS**

**THESIS SUBMITTED TO THE BHARATHIAR UNIVERSITY IN
PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE OF
DOCTOR OF PHILOSOPHY IN PHYSICS**

**By
JINCY C. S**

**Under the Guidance of
Dr. P. MEENA
Principal**



**PSGR
Krishnammal College for Women**



DEPARTMENT OF PHYSICS

PSGR KRISHNAMMAL COLLEGE FOR WOMEN

College of Excellence

An Autonomous Institution- Affiliated to Bharathiar University

Accredited with A++ Grade by NAAC, An ISO 9001-2015 Certified Institution

NIRF 2022- 6th Rank

COIMBATORE - 641 004

MAY 2023