### A Project Report on

# SYNTHESIS, CHARACTERIZATION AND <sup>60</sup>C<sub>0</sub> GAMMA IRRADIATION STUDIES OF Al<sub>2</sub>O<sub>3</sub>/PVA NANOCOMPOSITE

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Submitted by

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#### CERTIFICATE

I hereby certify that this report entitled "Synthesis, Characterization and <sup>60</sup>Co Gamma Irradiation Studies of Al<sub>2</sub>O<sub>3</sub>/PVA Nanocomposite" submitted by Ms. Shreeraksha B. S. to University of Mysore is based on the studies carried out by her in the Department of Studies in Physics, University of Mysore, Manasagangotri, under my guidance and supervision.

I further certify that this report or any part thereof has not previously formed the basis for the award of any degree or diploma of any University or institution.

Place: Mysuru

Date: 2/6

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