

Amino acid-based polymeric hydrogel and nanoparticles for neuroregeneration and siRNA-drug loaded formulation for anticancer applications

A Dissertation

Submitted in partial fulfilment of the requirement for the

Degree of Philosophy

by

Ms. Kirti Wasnik

(Roll No.: 17021507)

Supervisor:

Dr. Pradip Paik

(Associate Professor)



School of Biomedical Engineering
Indian Institute of Technology (Banaras Hindu University)
Uttar Pradesh
Varanasi 221 005, India

March, 2024