



THE UNIVERSITY OF
MELBOURNE

Physics > Quantum Computation

‘ My PhD project looks at mathematically modelling and controlling the “qubit” – the quantum equivalent of the “bit”. Qubits have the ability to convey a lot more information because they are based on the multiple spin states of the nucleus of an atom. For some tasks, quantum computers will be much more powerful than today’s computers.

My project capitalises on my engineering background in mechatronics, particularly control systems. I have also had the opportunity to work briefly at Cambridge and Munich as a part of my PhD.

When I finish, I will be moving to London to study further in the area of innovation management in nanotechnology, in line with my growing interest in technology commercialisation. ’

Gajendran Kandasamy

PhD in ARC Centre for Quantum Computer Technology

