

Jan – Dec 2002

Jan – Dec 2003

Jan 2004– Jan 2005

Attending Classes

Theory

CFD work on Centrifugal Spray Dryer and result verification with experimental data from Australia and Brazil

Numerical + Experimental

Model modification of CFD code using UDF

Numerical + Analytical

Papers review and CFD software learning

Numerical

CFD work on Noval spray drying design – Horizontal spray drying and two-stage spray drying systems; Ultrasonic atomization spray dryer design

Numerical

Large-scale spray dryer simulation and experiments

Numerical + Experimental

CFD works on general spray dryers which validated with published data; Papers writing

Numerical

NUS FYP – Spray drying simulation and experimental research on droplet drying

Numerical + Experimental

Paper writing and NUS FYP – Droplet drying under varying operating parameters

Theory and Experiments

Thesis writing and submission