Research Proposal

I did my M.Phil research work on the topic " Domination in Squares of Graphs". Main points covered in my desertation were " Total domination in squares of graphs, connected domination in squares of graphs, Inverse domination in squares of graphs. Also I found

- the value of total domination number,

- connected domination number,

- neighbourhood total domination number,

- neighbourhood connected domination number in squares of Helm graph, Ladder graph, Path, Cycle.

I want to do Ph.D on the same topic with same extra dimensions such as, how to use colouring and covering in squares of graphs and also finding various domination number in various graphs and also finding edge domination number in squares of graphs.