Future scope:

Some properties of nil graphs can be studied for polynomial rings, non-commutative rings and other algebraic structures.

Near ring, semi group and module over a ring are respectively extensions of ring, group and vector spaces. The study of the properties of nil graph can be extended to these areas also.

Peterson graph is a generalized version of ladder graphs, so in near future the determination of near automorphism value of this graph may be an interesting topic of research. The near automorphism value can be also be determined for some cubic graphs also.