

Abstract

In 2104, the notion of f -ideal complexes and f -graphs were first presented in [1] and [12]. Later, in [19] and [20] the notion of quasi f -ideal and quasi f -simplicial complex has been discussed for pure square free-monomial quasi f -ideal. The focus of this thesis will be on characterizing non-homogeneous ideal. In this thesis, we give the algorithm of constructing non-homogeneous quasi f -ideal of certain types. In particular, we construct quasi f -ideal of type $(0, a, 0$ and briefly explained with the help of examples.