3.0 RESEARCH OBJECTIVES

The purpose of the present research is:

(1) To find solution of new classes of integral equations along with their applications in crack problems for orthotropic mediums having variety of cracks.

(2) Applications of the results obtained from the objective one in electrostatics and elastostatic problems.

(3) Further, the applications of these integral equations shall also be attempted to employ on some of the engineering problems as a special functions.

(4) To explore some new classes of special functions that would help to formulate integral and related equations.