The present thesis entitled "Some Generalized Integral and Series Equations Involving Special Functions" is an outcome of the research work carried out by me since August 1998 under the kind supervision of Dr. A.P. Dwivedi, Professor, Department of Mathematics, H.B. Technological Institute, Kanpur. Now this work is being submitted for the award of Ph.D. Degree of the University. The present thesis consists of THREE I ARTS in SEVEN chapters where PART - A contains Generalized Integral Equations, PART - B Generalized Series Equations and PART - C Application. FIRST chapter is introductory and gives various definitions of the subject matter of the thesis. SECOND chapter deals with Literature Survey giving the short history of the development of the subject of the thesis. The THIRD chapter deals with Generalized Dual Integral Equations with Special Function Kernels. In chapter FOUR Generalized Certain Triple Integral Equations Involving Inverse Mellin Transform have been considered. Chapte FIVE gives the solution of Generalized Five Series Equations. Chapte SIX deals with Generalized Seven Series Equations. In chapter SEVEN A Pair of Coplaner Barenblatt Cracks at the Interface of Two Bonded Dissimilar Micropolar Elastic Half-planes is considered for stress intensity factors. At the end we have given a bibliography including all references used in the body of the present thesis.

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