

PREFACE

The polymeric films with and without sensitizers have been extensively studied for the last three decades, mainly due to their fruitful applications in fabrication of optoelectronic devices. In view of this, a programme was undertaken in November 1983 at the thin film semiconductor laboratory, Department of Chemistry, Indian Institute of Technology, Kharagpur, to explore the possibility of using polymeric films and sensitized polymeric films in the above named areas. The present thesis is the result of such a study conducted during November 1983 - 1986. During this period a considerable amount of effort was spent on creation of various facilities which were lacking for undertaking this kind of work.

The thesis is divided into seven chapters and efforts are made to present the introduction with review of literature and the investigations performed in the respective areas. The last chapter contains summary and conclusions of the total work done.

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Finally, I thank all those, whose name I can not remember at this moment but have contributed in their own way to the completion of the present work.

A handwritten signature in black ink, appearing to read 'Md. Aquil Akhter', with a long horizontal flourish extending from the end of the signature.

(Md. Aquil Akhter)

April, 1987