

CONTENTS

CHAPTER NO.	TITLE	PAGE NO.
I	INTRODUCTION	1
II	THEORETICAL BACKGROUND	21
III	PREPARATION AND CHARACTERIZATION OF CdS THIN FILMS	41
IV	PREPARATION AND CHARACTERIZATION OF Bi ₂ S ₃ THIN FILMS	57
V	PREPARATION AND CHARACTERIZATION OF (CdS) _x (Bi ₂ S ₃) _{1-x} COMPOSITE THIN FILMS	70
VI	(PHOTO)ELECTROCHEMICAL(PEC) CHARACTERIZATION OF (CdS) _x (Bi ₂ S ₃) _{1-x} COMPOSITE THIN FILMS	86
VII	SUMMARY AND CONCLUSIONS	107