

١. Cover page / Binding:

Title **(Development of)**



By

Author Name

Reg#....

Session ٢٠١٢-١٤

Supervised by

Prof. Dr.

**A Thesis Submitted to the US-Pakistan Center for
Advanced Studies in Energy in partial fulfillment of the
requirements for the degree of
MASTERS of SCIENCE in
(.....)**

**US-Pakistan Center for Advanced Studies in Energy (USPCAS-E)
National University of Sciences and Technology (NUST)**

H-١٢, Islamabad ٤٤٠٠٠, Pakistan

August ٢٠١٤

۲. ۱st Page within the thesis :

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August ۲۰۱۴

THESIS ACCEPTANCE CERTIFICATE

Certified that final copy of MS/MPhil thesis written by Mr/Ms _____
, (Registration No. _____), of _____
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respects as per NUST Statues/Regulations, is within the similarity indices limit and is
accepted as partial fulfillment for the award of MS/MPhil degree. It is further certified
that necessary amendments as pointed out by GEC members of the scholar have also
been incorporated in the said thesis.

Signature: _____

Name of Supervisor _____

Date: _____

Signature (HoD): _____

Date: _____

Signature (Dean/Principal): _____

Date: _____

۲. Certificate

Certificate

This is to certify that work in this thesis has been carried out by **Mr.** _____ and completed under my supervision inlaboratory, US-Pakistan Center for Advanced Studies in Energy (USPCAS-E), National University of Sciences and Technology, H-۱۲, Islamabad, Pakistan.

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NUST, Islamabad

HoD- (dept)

Principal/ Dean

Dr. Zuhair S. Khan
USPCAS-E
NUST, Islamabad

۳. Page for Dedication (if any)
۴. Abstract (Maximum ۱ page) the reference-free ۱,۰ spaced abstract. It should be with Roman Page Numbering. The abstract should be supported with ۰ Keywords.
۰. Table of Contents: includes all the subsections of each chapter and the following

۱. Abstract		(roman page #)
۲. List of figures		(roman page #)
۳. List of tables		(roman page #)
۴. List of journals/conference papers		(roman page #)
۰. List of Abbreviations:		(roman page #)
۶. List of Figures: includes figure number, caption, and their respective page number.
۷. List of Tables: includes table number, caption, and their respective page number.
۸. List of Abbreviations: lists all the abbreviations used in the text alongside their fully written unabbreviated form (Max ۱-page)

۲. Layout

Note that each chapter should start on a new page with bold title and with the provision of subsequent text on the same page.

Summary of Chapter and List of References: All the candidates are required to write down the Summary (Max ۱-page) of each and every chapter at the end before writing the list of References for that specific chapter.

Chap# ۱: Introduction:

Chap#۲: Lit review/Self comments on What/Why/How of your focused research activity of this work?

Note: You need to provide Figurative flow-chart of your thesis at the end of chapter ۱ or ۲.

Chap#۳: Review on Experimentation and Characterization Methods, Or Relevant Methodologies Available

Chap#۴: Experimental: (this section must include the write-up on what you exactly did)

Chap#۵: Results and Discussion

Conclusions, Recommendations:

Acknowledgements:

Journals/Conference Papers (Presented or published as a first author)

Reference style

Text: Indicate references by number(s) in square brackets in line with the text. The actual authors

can be referred to, but the reference number(s) must always be given.

Example: '..... as demonstrated [٣,٦]. Barnaby and Jones [٨] obtained a different result'

List: Number the references (numbers in square brackets) in the list in the order in which they appear

in the text.

Examples:

Reference to a journal publication:

[١] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, The art of writing a scientific article, J. Sci. Commun. ١٦٣ (٢٠١٠) ٥١-٥٩.

Reference to a book:

[٢] W. Strunk Jr., E.B. White, The Elements of Style, fourth ed., Longman, New York, ٢٠٠٠.

Reference to a chapter in an edited book:

[٣] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), Introduction to the Electronic Age, E-Publishing Inc., New York, ٢٠٠٩, pp. ٢٨١-٣٠٤.

Journal abbreviations source:

Journal names should be abbreviated according to the List of Title Word Abbreviations: <http://www.issn.org/services/online-services/access-to-the-ltwa/>.

Appendices: material too detailed or lengthy for inclusion in the body of the study (e.g. questionnaires, maps). Appendices may also contain information that might clarify the thesis but is routine in nature or indirectly related to the thesis. Raw data and examples of calculation could be incorporated.

3. Style and Form

3.1 **Paper:** Use high-quality acid-free A⁴-size paper, with only one side of the paper.

3.2 **Printing:** A high-quality laser printer should be used for the final copy.

3.3 Headings:

In disciplines where section numbering is normally used, the following guidelines apply:

- Chapter title: (Chapter 1) 12 pt size, bold.
- Main Section Headings: can be numbered as chapter-number. section-number (e.g., 3.2 for chapter 3, section 2) in 12 pt size, bold.
- Second Headings: can be numbered as x.y.z (e.g., 3.2.1 for chapter 3, section 2, subsection 1) in 12 pt size, bold.
- First Subheadings: can be numbered as w.x.y.z (e.g., 3.2.1.1 for chapter 3, section 2, subsection 1, sub-subsection 1) in 12 pt size, regular.

3.4 **Text Font:** Acceptable fonts generated by word processing programs include, but are restricted to: Times New Roman 12. Bold and italics should not be used excessively in the text.

3.5 **Spacing:** 1.5 spacing is required for the text. Only footnotes, long quotations, bibliography entries (double space between entries), table captions, and similar special material may be single spaced.

3.6 **Margins:** Left, 1 cm; top, bottom, and right, 1.5 cm. These are necessary to allow for binding and trimming.

3.7 **Tables and Figures:** Figures and tables should be inserted at the appropriate place in the text. Figures must have numbers and captions under the figures. Tables have their titles and numbers above.

3.8 **Footnotes:** Footnotes, if necessary, should have a smaller font size than the text (e.g. 10pt).

3.9 **Binding:** Binding will be arranged by the students. The students must submit five copies to the concern department.