

INSTRUCTIONS FOR THE PREPARATION OF Ph.D SYNOPSIS **(Format & Specifications)**

1. Cover page:

A specimen copy of the Cover page is enclosed (Appendix-I) for reference

2. Introduction:

The Engineering/Technological/Scientific/Used/Social relevance or importance of the research work should be reported.

3. Objective(s) and Scope:

The objectives and scope of the research work should be clearly mentioned. The conceptual, analytical, experimental and methodological details within which the research has been carried out should be well defined. The future scope should also be mentioned for further research.

4. Description of the research work:

The details of the following should be mentioned briefly, clearly and sufficiently

- i. Research problem
- ii. Research Methodologies
- iii. Results and Discussion
- iv. Interpretation of results/outputs

5. Conclusions:

The research work conclusions should be clearly mentioned.

6. Limitations:

The limitations of the research work should be mentioned in brief.

7. References:

The origin of the material used either directly or indirectly thus referred to at appropriate places in the research work should be listed.

8. Table of Contents:

The table of contents should list all material following it as well as any material which precedes it.

9. Tables & Figures:

All tables and figures must be captioned, serially numbered and referred to in the synopsis wherever required.

10. Publications:

The list of publications based on the research work published in the national/international conferences/journals should be listed in chronological order.

11. Number of copies to be submitted for evaluations:

One copy of synopsis are to be submitted to the Institute with soft copy of the synopsis (PDF format) along with Minutes of Doctoral Committee meeting with due recommendations of the Doctoral Committee Members. The doctoral committee has to submit the list of five Indian examiners and five International examiners with address, phone no. and E.mail ID along with list of publications for the evaluation of the thesis at the time of synopsis meeting. (Typed version)

12. Size of the Synopsis:

The size of the synopsis should not exceed 40 pages with a minimum of at least 25 pages.

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| <p>The Preparation of the Synopsis (fonts, margins, chapter no., section and sub-section no. equation no., tables, figures, appendices, references, publications, symbols, abbreviations, nomenclature, page numbering and binding details) must be as in the case of thesis</p> |
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Appendix-I

**STUDY OF COMBUSTION PHENOMENA IN PETROL
ENGINE FOR PROPER DEVELOPMENT OF POWER
WITH LESS KNOCKING**

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A SYNOPSIS

Submitted by

<Italic>

R.SUBASH CHANDRA BOSE

[Reg. No. 2004194104]

in partial fulfillment for the award of the degree

of

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DOCTOR OF PHILOSOPHY



**FACULTY OF MECHANICAL ENGINEERING **

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