

**HINDUSTAN INSTITUTE OF TECHNOLOGY AND SCIENCE (HITS)
CHENNAI 603 103**

DEAN (RESEARCH) OFFICE

**GUIDELINES FOR THE PREPARATION OF SYNOPSIS OF Ph.D. THESIS
AND M.S./M.TECH. (BY RESEARCH) THESIS**

(Steps to be Followed)

The size of Synopsis should not exceed 15 pages of typed matter reckoned from the first page to the last page including the List of Publications. The sequence in which the Synopsis should be arranged is as follows with References and List of Publications in separate pages:

COVER PAGE

TITLE PAGE

- 1 INTRODUCTION
- 2 REVIEW OF LITERATURE
 - 2.1 RESEARCH GAP
 - 2.2 OBJECTIVES
- 3 MATERIALS AND METHODS
- 4 RESULT AND DISCUSSION
 - 4.1 CONCLUSION
- 5 SUMMARY
- 6 FUTURE DIRECTIONS
- 7 BIBLIOGRAPHY/REFERENCE (Not more than 15)

ANNEXURE

➤ LIST OF PUBLICATIONS

List of Publications (those published/accepted for publication in Journals and papers presented in Conferences/Symposia). Mention Impact Factor of the Journal (if applicable).

ADDITIONAL INSTRUCTIONS

- The pages will be in standard A4 size (279 mm x 210 mm). Good quality white paper of not less than 80 GSM thickness should be used. The pages should have the following margins:

Top edge	:	35 mm
Bottom edge	:	30 mm
Left Side	:	40 mm
Right Side	:	25 mm

- One and a half line spacing should be used for typing the general text.
- The general text shall be typed in Font Style Times New Roman and Font Size 13.
- One or two Tables/Figures/ Plates may be included at appropriate places in the text and they should conform to the margin specifications.
- All page numbers (Arabic numbers) should be typed without punctuation on the upper right hand corner 20 mm from top with the last digit in line with the right hand margin.
- Synopsis should be bound with black calico cloth and using flexible cover of thick white art paper.

The cover should be printed in black letters and the text for printing should be identical to what has been prescribed for the title page structure is applicable only to those who register for Ph.D.

BIBLIOGRAPHY

JOURNAL ARTICLE : WITH SINGLE AUTHOR

- Waldron, S. (2008). Generalized Welch bound equality sequences are tight frames. *IEEE Transactions on Information Theory.*, 49(9): 2307-2309.

JOURNAL ARTICLE : WITH TWO AUTHORS

- Conley, T.G. and Galeson, D.W.(1998). Nativity and wealth in mid-nineteenth century Cities. *Journal of Economic History.*, 58(2):468-493.

JOURNAL ARTICLE : WITH MORE THAN TWO AUTHORS

- Alishahi, K., Marvasti, F., Aref, V.A. and Pad, P. (2009). Bounds on the sum capacity of synchronous binary CDMA channels. *Journal of Chemical Education.*, 55(8): 3577-3593.

REFERENCE TO TEXTBOOKS AND MONOGRAPHS:

- Watson, J., (2000). Contact Fluids. *Cambridge University Press, Cambridge, UK*, Chap. 7. ISBN: 1234567890.

REFERENCE TO INDIVIDUAL CONFERENCE PAPERS, PAPERS IN COMPILED CONFERENCE PROCEEDINGS:

- Li, L., Wong, U. E. and Thor, B. E., “Mechanical fluids,” Proc. 7th International Technical, U. Grids *et al.*, eds., Hemisphere, Montreal, DC, 5, pp. 1571–1576, 2017. ISBN 1234567890

REFERENCE TO THESES AND TECHNICAL REPORTS OR BOOKS:

- LI, U. L. (2017). “Nano fluids for mechanical applications,” Ph.D. thesis, Hindustan Institute of Technology and Science, Chennai, Tamil Nadu.
- Kevin, S. (2017). “Biological activity of industrial enzymes,” Ph.D. thesis, <http://www.HITS.biot.edu/kevin/homepage.html>.

ONLINE JOURNAL MODEL:

- Watson, J., Sridhar, S. and Crick , J. (2011). Rare Medicinal Plant-Adathoda Pinnata. *Research Journal of Plants.*, 6: 325-357. <http://dx.doi.org/10.3103/jm.2015.352.327>

ANNEXURE I : TYPICAL SPECIMEN OF COVER PAGE AND TITLE PAGE

“SOLID PROPELLANTS FOR SPACE VEHICLES”

<1.5 line spacing>

SYNOPSIS SUBMITTED TO
HINDUSTAN INSTITUTE OF TECHNOLOGY AND SCIENCE
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE OF

DOCTOR OF PHILOSOPHY
IN
AERONAUTICAL ENGINEERING

Submitted by

<Italic>

YASH PAL
(Reg. No.....)

GUIDED BY
Dr.

DEPARTMENT OF -----



HINDUSTAN
INSTITUTE OF TECHNOLOGY & SCIENCE

PADUR, KELAMBAKKAM, CHENNAI 603 103

NOVEMBER 2017

MODEL FOR COVER PAGE / TITLE PAGE

“PHYSICAL AND BALLISTIC CHARACTERIZATION
OF HYBRID ROCKET FUELS”

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