

GUIDELINES FOR THE PREPARATION OF PH.D. SYNOPSIS

CENTRE FOR RESEARCH & CONSULTANCY



HINDUSTAN

INSTITUTE OF TECHNOLOGY & SCIENCE
(DEEMED TO BE UNIVERSITY)

CHENNAI

The synopsis should not exceed 15 pages of typed matter reckoned from the cover 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 page.

COVER PAGE

1 INTRODUCTION

2 REVIEW OF LITERATURE

2.1 RESEARCH GAP

2.2 OBJECTIVES / HYPOTHESIS

3 MATERIALS AND METHODS / RESEARCH DESIGN / RESEARCH

METHODOLOGY (Suitable title can be selected)

4 RESULTS AND DISCUSSION

5 CONCLUSIONS

6 FUTURE DIRECTIONS

BIBLIOGRAPHY / REFERENCES

ANNEXURE

LIST OF PUBLICATIONS

Only those Publications arising out of the research work reported in the Thesis should be included in the List of Publications. They should be:

- (a) Those presented and published in Conference with a referee system.
- (b) Those published in peer reviewed journals

The format of the list of Publications will be same as in References.

ADDITIONAL INSTRUCTIONS

The pages will be standard A4 paper. The pages should have the following margins:

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

- 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/figure/photographs/maps may be included at appropriate places in the text and they should conform to the margin specifications
- All page numbers should be typed on the upper right hand corner 20 mm from the top with the last digit aligned with the right side margin.
- A sample figure

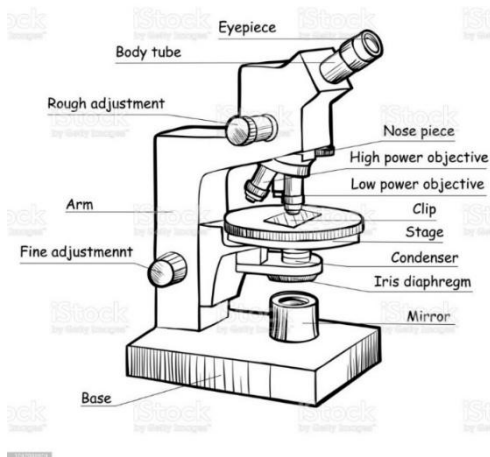


Figure 1.1: Modern electronic microscope

- A sample table

Table 1.1: Common SI and Metric Prefixes

Factor	Prefix	Symbol	Examples
10^9	giga	G	1 Gm = 1 gigameter = 10^9 m 1 Gb = 1 gigabyte = 10^9 bytes
10^6	mega	M	1 Mm = 1 megameter = 10^6 m 1 Mb = 1 megabyte = 10^6 bytes
10^3	kilo	K	1 Km = 1 kilometer = 10^3 m 1 Kg = 1 kilogram = 10^3 g
10^{-1}	deci	d	1 dm = 1 decimeter = 0.1 m
10^{-2}	centi	c	1 cm = 1 centimeter = 0.01 m
10^{-3}	milli	m	1 mg = 1 milligram = 0.001 g 1 ms = 1 millisecond = 0.001 s
10^{-6}	micro	μ	1 μ m = 1 micrometer = 10^{-6} m 1 μ s = 1 microsecond = 10^{-6} s
10^{-9}	nano	n	1 ns = 1 nanosecond = 10^{-9} s
10^{-12}	pico	p	1 pg = 1 picogram = 10^{-12} g

BIBLIOGRAPHY / REFERENCES

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.

Parenthetical citation: (Waldron, 2008)

Narrative citation: Waldron (2008)

JOURNAL ARTICLE: WITH TWO AUTHORS

Habeeb, M., & Sugumaran, A. (2022). Strategies of cell signaling and critical focus on etiology of hepatocellular carcinoma. *Biointerface Research in Applied Chemistry*, 12(4), 5187-5198. doi:10.33263/BRIAC124.51875198

Parenthetical citation: (Habeeb & Sugumaran, 2019)

Narrative citation: Habeeb & Sugumaran (2019)

JOURNAL ARTICLE: WITH MORE THAN TWO AUTHORS

Grady, J. S., Her, M., Moreno, G., Perez, C., & Yelinek, J. (2019). Emotions in storybooks: A comparison of storybooks that represent ethnic and racial groups in the United States. *Psychology of Popular Media Culture*, 8(3), 207–217. <https://doi.org/10.1037/ppm0000185>

Parenthetical citation: (Grady et al., 2019)

Narrative citation: Grady et al. (2019)

JOURNAL ARTICLE WITH AN ARTICLE NUMBER

Jerrentrup, A., Mueller, T., Glowalla, U., Herder, M., Henrichs, N., Neubauer, A., & Schaefer, J. R. (2018). Teaching medicine with the help of “Dr. House.” *PLoS ONE*, 13(3), Articlee0193972.

Parenthetical citation: (Jerrentrup et al., 2018)

Narrative citation: Jerrentrup et al. (2018)

REFERENCE TO CONFERENCE PAPERS, PAPERS IN COMPILED CONFERENCE PROCEEDINGS:

Datta, A., Yadav, O. K., Singh, Y., Sountharajan, S., Karthiga, M., & Suganya, E. (2021). Real-time face swapping system using OpenCV. Paper presented at the Proceedings of the 3rd International Conference on Inventive Research in Computing Applications, ICIRCA 2021, 1081-1086. doi:10.1109/ICIRCA51532.2021.9545010

Parenthetical citation: (Datta et al., 2021)

Narrative citation: Datta et al. (2021)

ANNEXURE 1: TYPICAL SPECIMEN OF COVER PAGE

“TITLE ”

<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**

<Times new roman>

DOCTOR OF PHILOSOPHY

IN

..... ENGINEERING

<bold><Times new roman>

Submitted by

<italics><Times new roman>

NAME

(Reg. No.:)

Guided by

<italics><Times new roman>

Dr.

DEPARTMENT OF ENGINEERING

<bold><Times new roman>



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MONTH YEAR