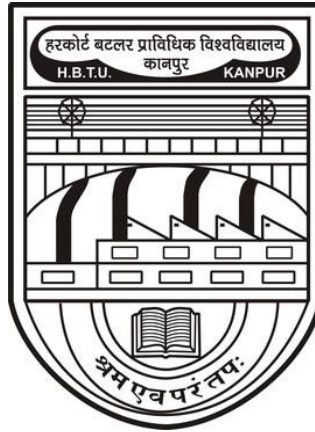


RESEARCH MANUAL



Harcourt Butler Technical University Kanpur, India

Prepared by

Office of the Dean, Research & Development

This is an advisory document for the reference, guidance, and standardization of Ph.D. program. These guidelines cannot over rule any provision(s) of university act, rules, Ph.D. ordinances and any other regulatory provision(s) enforced herein after and hence, cannot be the basis of any fundamental right / mandatory condition(s) contradicting with provisions of Ph.D. ordinances emerging out as a dispute or conflict.

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India

Research Manual

This research manual helps the students of doctoral program to plan, organize and follow certain guidelines in order to proceed in their research program so that the program completes in due course of time without any issue. It also enables authorities to administer and implement research ordinances (here after referred as ordinances) as per its mandate. It further enables research degree committee (here after referred as RDC) and Students Research Advisory Committee (SRAC) to identify, monitor, advice and control the progress of the students during the program.

1. Process of Ph.D. Enrollment / Registration

The Ph.D. students are selected as per the procedure laid down in the Ph.D. ordinances of the University. The following steps are invariably followed.

The admission committee selects the students and sends the list of selected candidates to the Dean, Academics Affairs for *enrollment* in the program. The date of enrollment is the basis of counting of 03 years or 04 years time duration in case of full time or part timeresearch scholars respectively.

The Dean, Academic affairs forwards the names of selected students (Department wise) to Dean of Research and Development and concerned Head of the departments.

The Dean of Research and Development organizes the meeting of RDC/SRAC as mandated in the ordinances to register, monitor and evaluate the progress of research. The newly admitted and enrolled students appear in the SRAC/RDC with their proposal of broad research area, supervisor name(s) and proposed course works for *registration* in the program.

2. Role of Head of Department

The HODs in coordination with the supervisors is supposed to provide proper research ambience for the research activities in the department.

The research scholar's presence in the department must be recorded in form of attendance. A separate attendance register may be used for this purpose. The research scholar's attendance register shall be maintained in the department record. HoDs and Supervisors are supposed to verify the attendance of the Ph.D. students at the time of Ph.D. thesis submission and/or as and when required by the office of the Dean of Research & Development.

HoDs are required to conduct SRAC meetings regularly to monitor the progress of research of the research scholars registered in their Departments and maintain file of every research scholar to keep track of his each record / document. HoDs are also required to conduct monthly meeting / presentation / seminar of all Ph.D. scholars in the department in consultation with the respective supervisor(s). The record for the same shall be maintained by the department / Supervisor in the respective researchscholar's file.

In case of dispute over any departmental issue regarding the Ph.D. research scholar, the recommendation of SRAC will be sent to the Chairman RDC for the final decision.

3. Stages in Ph.D. Program

The Ph.D. program of a regular or part-time candidate is divided into mainly six stages as per Table 01. The time mentioned in the table is the minimum time required to complete the stage.

Table 01: RESEARCH FRAMEWORK FOR Ph.D. Program

Stages	Time	Activities	Checklist
Foundation Stage (Stage 1)	Registration* + 06 months	Study previous year papers especially abstract to understand the relevance of papers of your approved broad area	1. Abstract Booklet [#]
Review Stage (Stage 2)	Registration + 01 Year	Study and collect the relevant research papers of your relevant area which helps in identifying the research gap and defining your research problem	1. Research paper Booklet [#] 2. Research gap identified 3. Objectives/problem of the study defined 4. Review Paper
Research Methodology Stage (Stage3)	Registration + 1.5 Year	Work on research methodology of your research including research design, research tools and experimental setup / field study plan	1. Research Instrument 2. Experiment Setup ready
Experiment Stage (Stage 4)	Registration + 2 Years	Conduct field study / Experimental test and collect the preliminary data	1. Pilot study result 2. Research paper on pilot study, if possible.
Analysis Stage (Stage 5)	Registration + 2.5 Years	Complete the research experiment / field study to get complete set of data. Analyze the results and match with research objectives	1. Data analysis and results ready 2. Research paper on final results
Submission Stage (Stage 6)	Registration + 3 Years	Start writing work, file patents, develop new model	1. Research outcome mapping with objectives of research

* Registration date means the date of registration in the Ph.D. program of the university.

Abstract booklet/ Research Paper booklet need to be prepared by students under the supervision of Ph.D. Supervisor. This booklet will include all the abstract / full research papers which are part of Ph.D. program and form the basis of identification of research problem.

4. Research Mapping

Research mapping is a process to ascertain that the outcomes of the research are on the expected line of objectives set before the study. A linear mapping is important to understand that the research objectives are met with suitable research method and tools. The following proposed Table 02 should be prepared by each research scholar after completion of experiment / field study and data analysis.

Table 02: Research Mapping

Research Objectives / Problem(s)	Main source(s) of objectives /research gap, if any	Hypothesis, if any	Research design / methodology used	Research tool used	Data error / reliability /validity test conducted (if any)	Outcome / finding of the research	Whether research objective achieved or not
(1)							
(2)							
(3)							
(4)							
(5)							

5. Thesis Preparation Guidelines

- Number of copies of the thesis to be submitted for evaluation: Six or as mentioned in Ph.D. Ordinances.
- Arrangement of the Contents of Thesis: Thesis contents should be arranged and bound in the following sequence
 1. Cover Page
 2. Inner Cover Page/Title Page
 3. Candidate’s Undertaking
 4. Candidate’s Self Declaration
 5. Certificate by Supervisor(s)
 6. Copy Right Transfer Certificate
 7. Plagiarism Report
 8. Acknowledgements
 9. Abstract
 10. Preface of the thesis
 11. Table of Contents

12. List of Symbols, Figures and Tables, if any
13. Introduction
14. Literature Review
15. Chapters covering Work Methodology, actual work, Results and Discussions
16. Conclusions and Future Scope
17. References
18. Appendices
19. List of Publications
20. Copies of Manuscript/reprints of Papers
21. Candidate's Profile
22. Supervisor's Profile

- **Format of the Cover page:** A specimen of the cover page is given in the format. It carries the pattern and font size required for cover page format. The thesis should be hard bounded in PINK color.
- **Inner Cover Page/Title Page:** Color print of the cover page on a thick and smooth white paper.
- **Candidate's Undertaking:** The candidate should give an undertaking as per the prescribed format with the heading **UNDERTAKING FROM THE CANDIDATE** in Times New Roman font size 14 bold in the center of the page.
- **Candidate's Self Declaration:** The candidate should give a self declaration as per prescribed format with the heading **DECLARATION BY THE CANDIDATE** in Times New Roman font size 14 bold in the center of the page.
- **Certificate by Supervisor (s):** Supervisor/supervisors of the thesis should give a certificate as per prescribed format with the heading **CERTIFICATE FROM THE SUPERVISORS** in Times New Roman font size 14 bold in the center of the page. The certificate shall carry the supervisor's signature in original and shall be followed by the supervisor's name, academic designation as per format.
- **Copy Right Transfer Certificate: Duly signed** copy right transfer certificate as per prescribed format should be appended in the thesis.
- **Plagiarism Report:** Research scholars must check and scan their thesis with an authenticate plagiarism software like Turnitin before final submission and submit a plagiarism report duly signed by research scholar and supervisor(s).

- **Acknowledgements:** Acknowledgement shall be brief and should not exceed one page when typed in single spacing Times New Roman with font size 12 within the specified margin of the page. The signature of the candidate shall be made at the bottom right end above his/her name typed in title case.
- **Abstract:** Abstract should be an essay type of narration (up to 2000 words only) with single spacing Times New Roman with font size 12 within the specified margin of the page.
- **Preface of the Thesis:** Preface should be an essay type of narration not exceeding four pages outlining the research problem, the methodology used, summary of the findings, possible applications of the research and suggestions/directions for future research.
- **Table of Contents:** The table of contents should list all the contents following this section as per the prescribed format.
- **List of Symbols, Figures and Tables, if any:** The list of symbols, figures and tables should be placed in thesis as per prescribed format.
- **Introduction:** It should cover the background, statement of problems, definition, purpose of study, theoretical basis, and contribution of the study along with future perspectives.
- **Literature Review:** It covers the chronological, categorical or related theoretical viewpoints related to topic or area of research.
- **Chapters covering the work:** This part of thesis includes the research design and approach, methodology, experimentation details, analytical study including data analysis with procedures, results and discussion of findings along with limitations.
- **Conclusions:** This part summarizes the whole research efforts, purpose of study and research, importance of work along with future application and suggestions for further research and development in the area. This must leaves an impression on the reader/expert/examiners.
- **References:** For the references in thesis, the “*REFERENCES*” Tab in MS Word may be used in prescribed style (e.g. APA sixth edition or IEEE 2006 etc.). References should be in the pattern as mentioned below.

Books

- [1] Abdul Kalam, A. P. J. and Tiwari, Arun, *Wings of Fire: An Autobiography*. Hyderabad, AP: Universities Press, 1999.
- [2] Yadav, V. K. and Yadav, P. K. S., *Elements of Teaching Learning Process*. New Delhi:ELSEVIER, 2014.

Article in Journal

- [1] Yadav, V. K., “Pay Policy in Technical Education of India: A Critical Analysis,” *International J. of Education Economics and Development*. 2014; 05(3), 280.
- [2] Nelson, K. A., Davis, R. J., Lutz, D. R. and Smith, W., “Optical generation of tunable ultrasonic waves,” *Journal of Applied Physics*. 2002; 53(2), 1144.

- **Appendices: Appendices** in thesis are provided to give supplementary information, which if included in the main text may serve as a distraction and could tend to dilute the central theme under discussion. It includes maps, questionnaires, raw data etc.
- **List of Publications:** The candidate must provide a list of papers published, accepted and communicated from the research findings of the thesis and attach copy of reprint of published papers.
- **Student's Profile:** Complete Bio-Data of the student including publications, patents, copyrights etc. in details.
- **Supervisor's Profile:** Complete Bio-Data of the supervisor(s) including research contribution in brief.
- **STYLE AND FORM**
 - **Paper:** Use high-quality acid-free A4-size paper (297mm x 210mm) not less than 80 GSM, with printing on only one side of the paper.
 - **Printing:** A high quality laser printer should be used for printing the final copy of the thesis.
 - **Headings:** In disciplines where section numbering is normally used, the following guidelines apply.
 - **Chapter Title:** 18 – 24 pt size, bold. Main Section Headings: can be numbered as chapter-number. Section-number (e.g., 3.2 for chapter 3, section 2) in 14 pt size, bold. Second Headings: can be numbered as x.y.z (e.g., 3.2.4 for chapter 3, section 2, and subsection 4) in 12 pt size, bold. First Subheadings: can be numbered as w.x.y.z (e.g., 3.2.4.1 for chapter 3, section 2, subsection 4, and sub-subsection 1) in 12 pt size, regular. Second Subheadings: preferably unnumbered, 12 pt, italics.
 - **Text Font:** Acceptable fonts generated by MS Word programs include, but are not restricted to: Times New Roman 12. However, the font provided through LaTeX is acceptable. Bold and italics should not be used excessively in the text. Furthermore, colored text should not be used.
 - **Spacing:** One and a half 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.
 - **Margins:** Left, 4 cm; top, bottom, and right, 2.5 cm. These are necessary to allow for binding and trimming.
 - **Page Numbering:** Preliminary pages of the thesis, that is, those preceding the text are to be numbered in Roman numerals. The first page must not show its page number. Pages of the text itself and of all items following the text should be numbered consecutively throughout in Arabic numbers, beginning with number 1 on the first page of the first chapter. Page numbers should be placed in the bottom center of the page. Only the number should appear, not page 9.
 - **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 the table. Both, figure number and captions as well as table number and captions should be centrally aligned.

- **Drawings:** Any material which cannot be typed or computer generated should be drawn with permanent black ink in neat and heavy lines. Photographs of drawings are acceptable. Xerox reproductions of drawings are acceptable, if they are of high contrast.
- **Photographs:** Mount small photographs with glue. Do not use rubber cement or tape. High-clarity Xerox copies of photographs are also acceptable. However, high-quality scanned e-images can also be inserted into the thesis text.
- **Footnotes:** In disciplines where footnotes are normally used, they should appear at the bottom of the same page as their reference. Footnotes should be numbered in Arabic numerals. The footnote reference is superscripted and the explanation at the bottom of the page begins with the footnote reference number. Footnotes should have a smaller fontsize than the text (e.g. 10 pt).
- **Numbering of Equations:** Equations appearing in each Chapter or Appendix should be numbered serially, the numbering commencing a fresh for each Chapter or Appendix. Thus for example, an equation appearing in Chapter 3, if it happens to be the eighth equation in that Chapter should be numbered (3.8) thus:

$$Y = f(X+Z) \qquad (3.8)$$

While referring to this equation in the body of the thesis it should be referred to as Equation (3.8)

- **CDs and DVDs:** CD and DVDs should have proper identity with title, name of student, ID number and date.
- **Computer Software:** Describe in separate section in prefatory pages (e.g., list of figures and tables). If applicable, state requirements for the use of the software (e.g., hardware, screen resolution type) and any other information necessary for proper viewing of the software.
- **Oversized Material:** Oversize foldout pages may be included, though ample margins for binding must be included. Leave oversize page unfolded. The bindery will fold and insert them. All pages must appropriately be numbered if found in the text.
- **Binding:** Six copies of the thesis should be submitted in the research section as per given format.
- **ELECTRONIC THESES MAKING (CD/DVD)**
- **Mandatory Submission of E-theses:** It is mandatory to submit electronic version of theses as per the UGC guidelines 2009.
- **Submission format:** ETD files should be submitted in **PDF** format. These should be in text, searchable, readable and OCR format.

- **Conversion in PDF:** Use any PDF converter (software) to convert any files into PDF format files.
- **Develop file naming:** Each file should have unique names that convey the content of files being developed. Complete theses will have to be converted in to separate files as the file name should start with serial number like 01_Title, 02_Certificates...etc.
- The content, font size, format and page numbering of e-theses/pdf version should be similar to the hard copy of theses.

(An example of split files alongwith chapter wise naming is given below)

Example of split files for final submission:

FILE NAME	CHAPTER NAME
01_Title	Title page
02_Certificates	Undertaking, Declaration, Supervisor's & copyright transfer certificates
03_Plagiarism Report	Plagiarism Report
04_Acknowledgement	Acknowledgement
05_Abstract	Abstract
06_Preface	Preface
07_Contents	Contents
08_Tables	Tables
09_Figures	Figures
10_Symbols, abbreviations	Symbols, abbreviations
11_Graphs, photographs, maps	Graphs, photographs, maps
12_Chapter 1	Chapter 1
13_Chapter 2	Chapter 2
14_Chapter 3	Chapter 3
15_Chapter 4	Chapter 4
16_Chapter 5	Chapter 5
17_References	References & Bibliography
18_Appendix	Appendix
19_Publications 20_Research Papers	List & all Publications
21_Biography	Copies of reprints / print of papers Candidate's Profile
22_Biography	Supervisor's profile

For more details please visit to <http://shodhganga.inflibnet.ac.in/> or <http://shodhganga.inflibnet.ac.in/handle/10603/12296>

(A typical Specimen of Cover Page & Title Page)

TITLE

<1.0 line spacing>

A Thesis

Submitted

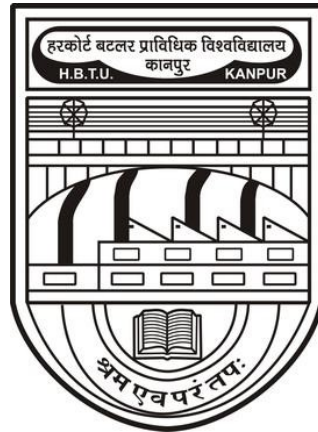
<Italic>

In Fulfillment of the Requirements for
the Degree of

<1.0 line spacing>

DOCTOR OF PHILOSOPHY

<Arial>



(Name of Supervisor)
Supervisor

(Name of Co-Supervisor)
Co-Supervisor

(Name of Research Scholar)

Research Scholar

Enrollment No.....

DEPARTMENT OF.....

SCHOOL OF

HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR, (U.P.) INDIA

<Arial><1.0 line spacing>

Year

UNDERTAKING FROM THE CANDIDATE

This is to certify that I, _____ have completed the Ph.D. thesis work on the topic _____ under the supervision of Dr. _____ (Supervisor) & Dr..... (Co-Supervisor) for the partial fulfillment of the requirement for the degree of Doctor of Philosophy, Harcourt Butler Technical University, Kanpur, Uttar Pradesh. This is an original piece of work & I have not submitted it earlier elsewhere.

Date:
Place:

Signature
Name of the candidate
Enrollment No.....

DECLARATION BY THE CANDIDATE

I,, certify that the work embodied in this Ph. D. thesis is my own bonafide work carried out by me under the supervision of Dr..... (Supervisor) & Dr..... (Co-Supervisor) for a period of from to at Harcourt Butler Technical University, Kanpur, Uttar Pradesh. The matter embodied in this Ph. D. thesis has not been submitted elsewhere for the award of any other degree/diploma.

I declare that I have not willfully copied some other's work, para, text, data, results, etc. reported in the journals, books, magazines, reports, dissertations, thesis, etc., or available at web-sites.

Date:
Place:

Signature
Name of the candidate
Enrollment No.....

CERTIFICATE FROM THE SUPERVISORS

This is to certify that the thesis, entitled submitted by Mr/Ms.....embodies the findings of his/her original research work carried out under my/our supervision and it fulfills all the conditions prescribed by Harcourt Butler Technical University, Kanpur, Uttar Pradesh for the award of Doctor of Philosophy Degree in Department of to the best of my/our knowledge, the matter embodied in this thesis has not been submitted elsewhere for the award of any other degree or diploma.

Signature

Signature

(Name of Supervisor)
(Designation)

(Name of Co-Supervisor)
(Designation)

Date:

COPYRIGHT TRANSFER CERTIFICATE

Title of the Thesis:

Research Scholar Name:

Copyright Transfer

The undersigned hereby assigns to the Harcourt Butler Technical University, Kanpur all rights under copyright that may exist in and for the above thesis submitted for the award of the Ph.D. degree to this university.

Signature of Research Scholar

Note: However, the author may reproduce or authorize others to reproduce material extracted verbatim from the thesis or derivative of the thesis for author's personal use provided that the source and the University's copyright notice are indicated. The university reserves the rights to regulate the reproduction of such material as and when needed in the interest of the university.

Plagiarism Report duly signed by scholar, Supervisor and Co-supervisor

(Plagiarism Report duly signed by the research scholar and the supervisor(s) must be appended here)

ACKNOWLEDGEMENT

(Research Scholar should append a brief acknowledgement not exceeding one page here)

Name & Signature of the candidate

ABSTRACT

(Research scholar should append an essay type of narration not exceeding 2000 words as per prescribed format here)

PREFACE

(A preface consisting of an essay type of narration not exceeding four pages outlining the research problem, the methodology used, summary of the findings, possible applications of the research and suggestions/directions for future research should be appended here)

TABLE OF CONTENTS

CHAPTER NO.	TITLE	PAGE NO.
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	ADVERTISING AND ITS JOURNEY	2
	General	5
	Forms of Advertising	12
	Phases of advertising	19
	Traditional Advertising	23
	Digital Advertising	25
	Modern Advertising	29
	Interactive Advertising	31
	EMERGING ISSUES IN INTERACTIVE ADVERTISING	33
2.	LITERATURE REVIEW	58
	GENERAL	69
	ADVERTISING IN TRADITIONAL ERA	75
	ADVERTISING IN MODERN ERA	99

**LIST OF TABLES, FIGURES, SYMBOLS/ABBREVIATIONS USED,
GRAPHS, PHOTOGRAPHS AND MAPS (if any)**

(The list of symbols, figures and tables should be placed here as per prescribed format)

LITERATURE REVIEW

(A detailed Literature Review covering the chronological, categorical or related theoretical viewpoints related to topic or area of research must be given)

**CHAPTERS SHOULD BE NUMBERED FOR EXAMPLE CHAPTER 1,
CHAPTER 2, CHAPTER 3 WITH THE HEADING**

(Chapters covering the research design and approach, methodology, experimentation details, analytical study including data analysis with procedures, results and discussion of findings along with limitations must be included in this section of the thesis)

CONCLUSIONS AND FUTURE SCOPE

(This part should summarize the whole research efforts, purpose of study and research, importance of work along with future application and suggestions for further research and development in the area. This must leave an impression on the reader/expert/examiners)

REFERENCES

(All references of the books, journals, and other resource material referred in the thesis must be given here in the prescribed format)

APPENDICES

(Any other data, material used during the research to be put as an appendix)

**LIST OF PAPERS
PUBLISHED/ACCEPTED/COMMUNICATED**

**COPIES OF REPRINTS/MANUSCRIPTS OF THE PAPERS
PUBLISHED/ ACCEPTED/COMMUNICATED**

(The candidate must provide a list of papers published, accepted and communicated from the research findings of the thesis and attach copy of reprint of published papers)

**CANDIDATE'S PROFILE NOT EXCEEDING 200 WORDS ALONG WITH
PHOTOGRAPH**

(Complete Bio-Data of the student including publications, patents, copyrights etc. in details should be appended here)

**SUPERVISOR'S PROFILE NOT EXCEEDING 200 WORDS ALONG
WITH PHOTOGRAPH**

(Complete Bio-Data of the supervisor(s) including research contribution in brief must be appended here)



**HARCOURT BUTLER TECHNICAL UNIVERSITY
KANPUR-208002, (UP), INDIA**

Thesis Evaluation Report

Title of Thesis:.....

Name of Student:.....

Enrollment No......

PART A

		Please write “YES” or “NO” in BOLD letter
(A)	Thesis, in present state, may be accepted as it is for award of Doctorate of Philosophy Degree	
(B)	If “NO”, Then, (I) Whether thesis may be accepted after MINOR revision	
	If “NO”, Then, (II) Whether thesis may be accepted after MAJOR revision	
	If “NO”, Then, (III) Thesis fails to attempt its objectives and hence, thesis is rejected	

Signature of Examiner:

Name of Examiner:

Thesis Evaluation Report

Title of Thesis:.....

Name of Student:.....

Enrollment No......

PART B

Please write detail essay report of the evaluation of the thesis (1000 words):

Signature of Examiner:

Name of Examiner:

Signature of Examiner:

Name of Examiner:

Format 1: Format for the Synopsis

Ph.D. Synopsis

Title of Thesis/Synopsis

Name of Student

Discipline/Department

(Registration/Roll no)

Under the Supervision of

Name of Supervisor & Co-Supervisor (if any)



School of -----

**HARCOUT BUTLER TECHNICAL UNIVERSITY
NAWABGANJ, KANPUR-208002(UP) INDIA**

Content for the Ph.D. Synopsis

- (1) Topic of Research
- (2) Area of Research
- (3) Background of Work
- (4) Literature Survey & Research Gap where the work is aimed
- (5) Objective of the Research
- (6) Proposed Plan of work & Methodology
- (7) Tentative Time line

Recommended by Supervisor and Co-supervisor (if any)

()
Co-supervisor
Signature with Seal

()
Supervisor
Signature with Seal

Forwarded by Head of Department

()
Head of Department

Format-2: Pre-submission of Ph.D. Thesis
(To be submitted by the research scholars after recommendation of their Ph.D. thesis Supervisor)

**HARCOURT BUTLER TECHNICAL UNIVERSITY,
KANPUR (U.P.)**

Research scholars seeking permission to submit their Ph.D. thesis need to submit a certificate duly recommended by their supervisors stating that the research scholar has completed/fulfilled various norms for submission of Ph.D. thesis per University Ph.D. Ordinances along with the relevant documents as listed below.

1. Topic of the Ph.D. thesis is approved by the RDC/SRAC.
2. Completed the course work (Attach course work completion certificate).
3. Progress monitored through RDC/SRAC has been consistently satisfactory (Attach copies of the RDC/SRAC Reports).
4. Published 02 research papers in the appropriate journals/conferences. (Attach copy reprints)
5. Minimum time requirement for submission of Ph.D. thesis.
6. Minimum contact hours with the supervisor.
7. Fulfilled various objectives identified in the Ph.D. thesis work (attach Chapter scheme/draft copy of the Ph.D. thesis)

Signatures of the Research Scholar:

Name of the Research Scholar:

Enrolment No.: _____

Topic of the Ph.D. thesis: _____

Recommendation of the Supervisor(s)

Signatures of the Supervisor:

Name of the Supervisor:

Signatures of the Supervisor:

Name of the Supervisor:



Format 3: Ph.D. Progress Evaluation Sheet
HARCOURT BUTLER TECHNICAL UNIVERSITY,
KANPUR (U.P.)

Progress-cum-Evaluation Sheet

Session: -----

Date of SRAC: -----

(A) Details of Student: (to be filled by student)

Name		Roll No.	
Department		Date of Admission	
Supervisor		Co-supervisor (if any)	

(B) Details of Research Work: (to be filled by student)

Broad Area of Research	Title of Research work

(C) Recommended Courses for Course Work: (to be filled by thesis supervisor in consultation with SRAC)

S.N.	Course Code	Course Name	Credits	Department	Status
1.		Research Methodology			
2.					
3.					
4.					

(D) Research Activities during Assessment Period:

S.N.	Activities	Details	Remark
1.	Review Papers/Research Papers		
2.	Conference presentation and publications		
3.	Workshop/short term course etc.		
4.	Any other (Please mention)		

(E) Next Action Plan of Work:

.....

.....

(F) SRAC Recommendations:

1. **Approval of Synopsis:** Recommended Not Recommended Recommended with modification
 Already approved
2. **Progress from last RDC:** Satisfactory Improvement necessary Not Satisfactory

Specific Remarks (if any): _____

3. **Specific suggestions and future Directions:** _____

(_____)
 External Expert, SRAC

(_____)
 External Expert, SRAC

(_____)
 Professor CSE Department/ SRAC

(_____)
 Supervisor/Member-Secy. SRAC

(Head of Department)
 Chairman, SRAC