

**Guidelines for the Thesis:**

1. The **final thesis** shall be presented in accordance with the following specifications:
  - a) Each thesis should be typed on white bond paper of Standard A4 size. Margin of at least 3.5 cm on left side, 2.0 cm on right side, 3.0 cm on the top and 2.5 cm on the bottom should be kept. Font Times New Roman and font size of 12 should be used with double spacing on one side of the sheet. Thesis should have minimum of 150 pages and should not exceed 350 pages.
  - b) Six copies of the thesis are to be submitted to the University.
  - c) Pages should be numbered consecutively and clearly.
  - d) The thesis should be in compact bound form along with two soft copies in the PDF format.
  - e) All bounded copies must have the title of the thesis, name of the University, degree, name of the Research Scholar, place of the research work, and the month and the year of submission shall be printed on the title page and the front cover.
  - f) Bibliography and references must be given at the end of the chapters. The bibliography shall contain the details of the books, magazines excerpts from the journals and magazines which have accreditation at the national and International levels. The references shall contain exclusively, the details from the research papers published in reputed journals of national and international standards.
  - g) The reprints of the research articles published by the candidate should be annexured at the end.
  - h) The thesis shall be written in English/Hindi. In the faculty of Science, Engineering and Technology the thesis should be preferably in English language.
  - i) Page Numbering
    - (i) Beginning with the first page of the text in the thesis (chapter 1), all pages should be numbered consecutively and consistently in Arabic numerals through the appendices.
    - (ii) Page numbers prior to Chapter 1 should be in lower case Roman numerals. The title page is considered to be page (i) but the number is not printed.
    - (iii) All page numbers should be placed without punctuation in the upper right hand corner, 12 mm from the top edge and with the last digit even with the right hand margin.

j) Tables, Figures and Equations

- (i) All the tables (tabulated data) and figures (charts, graphs, maps, images, diagrams, etc.) should be prepared, wherever possible, on the same paper being used to type the text. They should be inserted as close to the textual reference as possible.
- (ii) Tables, figures and equations should be numbered sequentially either throughout the thesis or chapter-wise using Arabic numerals. They should be referred to in the body of the text capitalizing the first letter of the word and number, as for instance, Table 17, Figure 24, Equation (33), or Table 5.3, Figure 3.11, Equation (4.16), etc.
- (iii) If tables and figures are of only half a page or less, they may appear on the same page as text but separated above and below by triple line spacing. Font size for text should be the same as for the general text.
- (iv) Good quality Line Drawings/figures must be drawn using standard software that provides vector rather than bit-map graphics. Figures must be scalable.
- (v) Images, Photographs, etc. must be scanned in resolution exceeding 200dpi with 256 gray scales for the monochrome images and 24 bit per pixel for the color images.

k) The thesis should be free from typographical errors.

**2. Organisation of the thesis:**

The thesis may be organized in the following manner;

a) Title page

- b) Abstract should be submitted separately in bounded form
- c) Declaration by the Research Scholar
- d) Certificate of the Supervisor in the prescribed format
- e) Preface (if applicable )
- f) Acknowledgments
- g) Table of contents
- h) List of tables, figures and illustrations, abbreviations, symbols

### 3. Title page

The thesis must be preceded by a title page. The title page of the thesis should show:

- a) Title of the thesis at the top and centered
- b) Degree for which it is submitted: “Thesis submitted to Jharkhand Rai University for the award of the degree of Doctor of Philosophy in < Subject>”

**i.e.**

**“Thesis submitted to Jharkhand Rai University for the award of the degree of Doctor of Philosophy in < Subject>”**

- c) Full name of the Supervisor
- d) Full name of the Research Scholar and his/her affiliation (Deptt./ centre / lab)
- e) Logo of Jharkhand Rai University
- f) Month and year.

**(See Specimen – 1)**

- 4. The thesis should generally consist of the following chapters mentioned in a precise manner. The Research scholar may adopt the following pattern.

- a) **Introduction**
- b) **Background // Review of literature**
- c) **Procedure (Experimental / methods and materials etc.)**
- d) **Analysis / Result (whichever is applicable)**
- e) **Results & Discussion**
- f) **Limitations and Future scope of the Study**
- g) **References/Bibliography**
- h) **Annexures**

## **5. Literature Citation**

The references should appear as a consolidated list at the end of the chapters with proper indexing with references listed either alphabetically or sequentially as they appear in the text of the thesis.

### **Reference Format**

Referencing should contain the following information: authors, title, name of journal, volume number, page numbers and year.

Referencing an article published in a book, should contain, authors, the title of the book, editors, publisher, year, page number of the article in the book being referred to.

### **Samples:**

#### **Journals**

H.E. Exner, "Physical and Chemical Nature of Cemented Carbides," International Metals Review, 1979, v. 24, pp. 149-173.

### **Conference Proceedings**

H.F. Fischmeister, “Development and Present Status of the Science and Technology of Hard Materials,” Science of Hard Materials, R.K. Viswanadham, D.J. Rowcliffe, and J. Gurland (eds.), Plenum Press, New York, NY, USA, 1982, pp. 1-45.

### **Books**

R.M. German, Powder Injection Molding, Metal Powder Industries Federation, Princeton, NJ, USA, 1990.

### **Thesis**

J.L. Johnson, “Densification, Microstructural Evolution, and Thermal Properties of Liquid Phase Sintered Composites,” Ph.D. Thesis, The Pennsylvania State University, University Park, PA, USA, 1994.

### **Technical Reports**

E.G. Zukas, P.S.Z. Rogers, and R.S. Rogers, “Experimental Evidence for Spheroid Growth Mechanisms in the Liquid Phase Sintered Tungsten Based Composites,” Informal Report: Los Alamos Scientific laboratory, USA, 1976, pp. 1-35.

### **Patents**

V. Oenning and I. S. R. Clark, U. S. Patent No. 4988386, 1991.

### **Appendix or Appendices**

- a) Supplementary illustrative material, original data, and quotations too lengthy for inclusion in the text or which is not immediately essential to an understanding of the subject can be presented in Appendix or Appendices (as Appendix A , Appendix B,etc.)

- b) Each appendix with its title should be listed separately in the table of contents. Likewise, tables and figures contained in the Appendices are to be included in the lists of tables and figures, respectively.

# **Impact of E-commerce on Business Values in Service Organizations**

Thesis Submitted to

**Jharkhand Rai University**

For the award of the degree of

**DOCTOR OF PHILOSOPHY  
IN  
<Subject>**

Under the Supervision of

Research Supervisor  
**Prof.<Name>**

Research Supervisor  
**Prof. <Name>**

Submitted by  
**<NAME>**



**JHARKHAND RAI UNIVERSITY**

**CERTIFICATE – I**

This is to certify that the thesis entitled“.....  
.....”  
submitted in partial fulfillment of the requirements for the degree of Doctor of  
Philosophy is a genuine and bona fide research work carried out by  
Mr./Ms..... under my supervision and no part of the thesis  
has been submitted for any other degree.  
All assistance and help received during the course of this Research work have been  
acknowledged.

Signature of Research Supervisor

Jharkhand Rai University, Ranchi  
Month , Year