

## JC Bose University of Science & Technology, YMCA Faridabad

Faculty of .....

### FORMAT TO BE USED FOR Preparation of Ph.D. Thesis

#### 1. ARRANGEMENT OF CONTENTS:

The sequence in which the thesis material should be arranged and bound should be as follows:

1. Cover page
2. Inner cover page
3. Dedication (optional)
4. Candidate's Declaration
5. Certificate of the supervisor
6. Acknowledgement
7. Abstract
8. Table of contents
9. List of tables
10. List of figures/graphs
11. List of photographs
12. List of abbreviations
13. Body of the thesis
14. References
15. Appendices
16. Brief bio data of the research scholar
17. List of publications out of thesis

#### 2. PAGE DIMENSION, TYPING AND BINDING SPECIFICATIONS

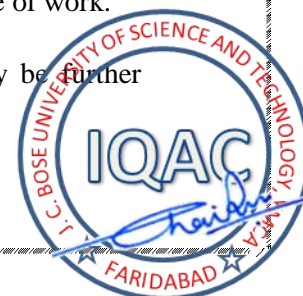
- a. The dimension of the thesis should be in A4 size
- b. The Thesis should be hard bound with cover page printed on it in specified format.
- c. Photographs, if necessary, should be suitably mounted on the same quality paper as the thesis.
- d. The typing of cover page, title page, declaration of candidate, certificate of supervisor and name of chapters should be only on one side of the paper whereas the other printing should be on both sides of the paper.
- e. The chapter numbers should be indicated in Roman.
- f. Three copies of the thesis in soft bound and soft copy stored on CD. In case of candidate being supervised by more than one supervisor, appropriate number of additional copies must be submitted.
- g. The colour of the binding (in hard) would be Red. The cover should have the material indicated in the item 'b' above printed on it and should be written with golden ink.

- h. The general text shall be typed in the font style ‘Times New Roman’ and Font size 12. Use 1.5 spacing between the regular text and quotations.
- i. FONT  
**REGULAR TEXT** – Times Roman 12 pts. And normal print  
**CHAPTER HEADING**- Times Roman 16 pts., bold print and all capitals  
**SECTION HEADINGS**- Times Roman 12 pts., bold print and all capitals  
**SUBSECTION HEADINGS** – Times Roman 12 pts., bold print and leading capitals i.e. only first letter in each word should be in capital. Single line spacing should be used for typing the general text.
- j. The margins for the regular text should as follows:  
 Front Side - LEFT = 1.50”, RIGHT = 1.00”, TOP = 1.00”, BOTTOM = 1.00”  
 Back Side - LEFT = 1.00”, RIGHT = 1.50”, TOP = 1.00”, BOTTOM = 1.00”

### 3. PREPARATION FORMAT

- 3.1 Cover Page - A specimen copy of the cover page of thesis is given in Appendix-1.
- 3.2 Inner Cover Page - A specimen copy of the inner cover page of thesis is given in Appendix-2.
- 3.3 Dedication - A specimen copy is given in Appendix-3.
- 3.4 Candidate’s Declaration – A specimen copy of Declaration certificate is given in Appendix-4.
- 3.5 Certificate of the supervisor – A specimen copy of Title page of certificate is given in Appendix-5. The certificate shall carry the supervisor’s signature and shall be followed by the Supervisor’s name, academic designation department etc.
- 3.6 Acknowledgment – A specimen copy of Acknowledgement certificate is given in Appendix-6.
- 3.7 Abstract – Abstract should be one or 2 pages synopsis of the thesis typed in one and a half line spacing, Font Style Times new Roman and Font Size 12. A specimen copy abstract of the thesis is given in Appendix-7.
- 3.8 Table of contents – The table of contents should list all material following it as well as and material which precedes it. One and a half spacing should be adopted for typing the matter under this head. A specimen copy of the Table of Contents is given in Appendix-8
- 3.9 List of Tables – The list should use exactly the same captions as they appear above the tables in the text. One and a half spacing should be adopted for typing the matter under this head. A specimen copy of the List of Tables is given in Appendix-9.
- 3.10 List of Figures – The list should use exactly the same captions as they appear below the figures in the text. One and a half spacing should be adopted for typing the matter under this head. A specimen copy of the List of Figures is given in Appendix-10.
- 3.11 List of photographs –A specimen copy of the List of photographs is given in Appendix-11.
- 3.12 Body of the thesis - The chapters may be broadly divided into 5 parts (i) Introductory chapter including over view of the concerned area and organization of the thesis (ii) Literature review (iii) Scope and objective, methodology of the thesis (iv) Chapters developing the main theme of the thesis work (v) Conclusion and future scope of work.

The main text will be divided into several chapters and each chapter may be further divided into several divisions and sub-divisions.



- The chapter title is the first-order heading. A chapter may be divided into section each of which has a section title (second-order heading). For example, in Chapter 3, the sections will be numbered 3.1, 3.2, etc. If at all possible do not further subdivide a section.
- Use subsections (third-order headings) only if unavoidable. For instance, in section 3.2, the subsections will be numbered 3.2.1, 3.2.2, etc. Do not further subdivide beyond this point For example, subsection 3.2.2 may not be further divided into sub-subsections 3.2.2.1, 3.2.2.2 etc.
- Tables and figures in a chapter should be placed in the immediate vicinity of the reference where they are cited.
- Footnotes should be used sparingly. They should be typed single space and placed directly underneath in the very same page, which refers to the material they annotate.

3.13 **References** – A specimen copy of Bibliography is given in Appendix 13.

3.14 **Appendices** – A specimen copy of Appendices is given in Appendix 14.

3.15 **Brief bio data of the Ph.D. scholar** – A specimen is given in Appendix 15.

3.16 List of Publications out of thesis –A specimen copy of the list of publication out of thesis is given in Appendix-16.





**Check List for Students/R&D Section at the time of submission**

1. Minimum duration of three years, including course work and a maximum of six years.
2. Research Scholar should submit progress report every six months. Minimum 05 satisfactorily progress report is required for thesis submission. Copy of every progress report should be send periodically to academic section for records.
3. Pre-Ph.D. course work certificate /DMC with a 55% or above marks or its equivalent grade in the UGC 7-point scale.
4. 6 copies of extended synopsis.
5. Two research paper (along with the cover page and contents list of that issue) from which one research paper is in any SCI, Scopus, and Web of sciences journals, during the period of registration in prestigious refereed international journal in the research area. The candidate should be the main author in the paper. The List of Publication out of thesis should be divided into three categories:
  - (i) List of Published papers
  - (ii) List of accepted papers
  - (iii) List of communicated papers

The format of the list is given below

S.No	Title of the paper along with volume, Issue No, year of publication	Publisher	Impact factor	Whether Referred or Non-referred	Whether you paid any money or not for publication	Remarks

6. Plagiarism report (not more than 10%) and certificate by supervisor and Chairman.
7. Thesis submission fee of Rs. 3500/-
8. No Dues Certificate from all the concerned departments/sections.

**TITLE OF THESIS**

<Font Size 18>1.5 line spacing>

**THESIS**

<Font Size 14><1.5 line spacing>

**submitted in fulfillment of the requirement of the degree of**

<Font Size 14><Italic>

**DOCTOR OF PHILOSOPHY**

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**to**

<Font Size 14 ><Italic>

**JC BOSE UNIVERSITY OF SCIENCE & TECHNOLOGY, YMCA FARIDABAD**

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**by**

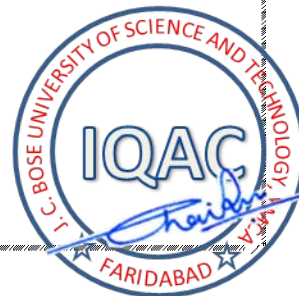
<Font Size 14 ><Italic>

**NAME OF THE CANDIDATE**

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Registration No.

**Under the Supervision of**



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**NAME OF THE SUPERVISOR**

**DESIGNATION OF SUPERVISOR**

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logo

**Name of the Department**

**Faculty of \_\_\_\_\_**

**JC BOSE University of Science & Technology, YMCA**

**Sector-6, Mathura Road, Faridabad, Haryana, India**

<Font Size 12><1.5 line spacing>

**MONTH, YEAR**

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**FARIDABAD**

**HARYANA**

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## APPENDIX 3

### DEDICATION

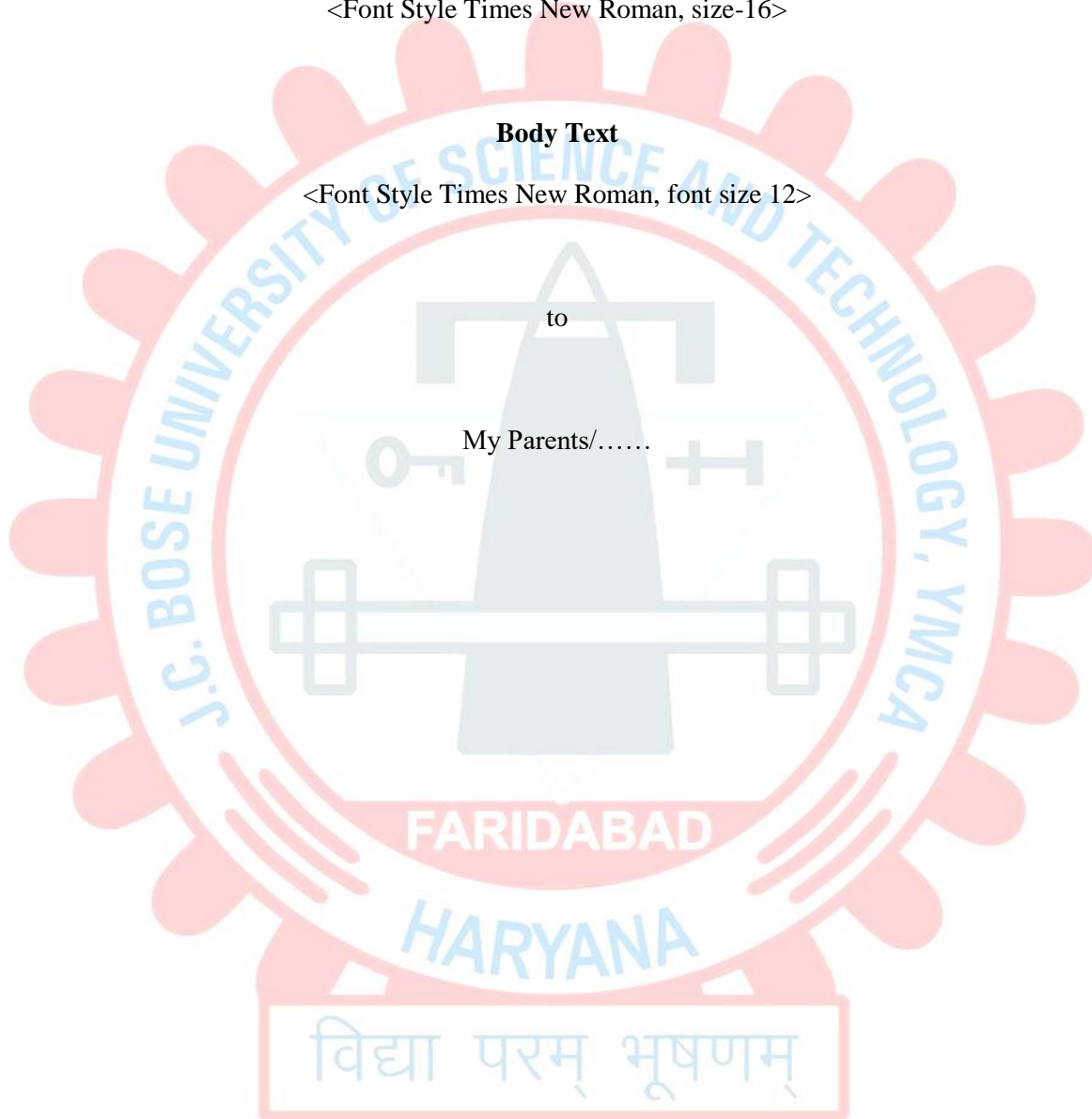
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#### Body Text

<Font Style Times New Roman, font size 12>

to

My Parents/.....





## APPENDIX 4

(A typical specimen of Acknowledgement)

### DECLARATION

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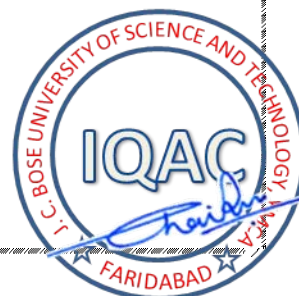
#### Body Text

<Font Style Times New Roman, font size 12>

I hereby declare that this thesis entitled **<TITLE OF THESIS>** by **<NAME OF STUDENT>**, being submitted in fulfillment of the requirements for the Degree of Doctor of Philosophy in **<NAME OF THE BRANCH>** under Faculty of \_\_\_\_\_ JC Bose of University of Science & Technology, YMCA Faridabad, during the academic year \_\_\_\_\_, is a bona fide record of my original work carried out under guidance and supervision of **NAME OF SUPERVISOR, DESIGNATION, DEPARTMENT** and has not been presented elsewhere.

I further declare that the thesis does not contain any part of any work which has been submitted for the award of any degree either in this university or in any other university.

(Name of Student)  
Registration No. \_\_\_\_\_





## APPENDIX 5

### CERTIFICATE

<Font-Style Times New Roman, size – 16>

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This is to certify that this Thesis entitled **<TITLE OF THESIS>** <by **NAME OF STUDENT**>, submitted in fulfillment of the requirement for the Degree of Doctor of Philosophy in **<NAME OF THE BRANCH>** under Faculty of \_\_\_\_\_ JC Bose of University of Science & Technology, YMCA Faridabad, during the academic year \_\_\_\_\_, is a bonafide record of work carried out under my guidance and supervision.

I further declare that to the best of my knowledge, the thesis does not contain any part of any work which has been submitted for the award of any degree either in this university or in any other university.

(Signature of Supervisor)

Name of Supervisor

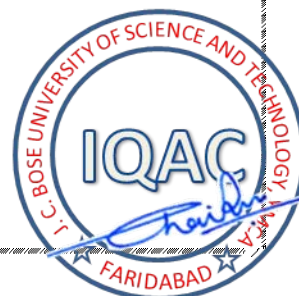
**DESIGNATION**

Department of \_\_\_\_\_

Faculty of \_\_\_\_\_

JC Bose University of Science & Technology,  
YMCA Faridabad,

Dated:



## ACKNOWLEDGEMENT

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### Body Text

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I would like to express my sincere gratitude to my Supervisor **<Name of Supervisor>** / Joint Supervisor **<Name of Joint Supervisor>** for giving me the opportunity to work in this area. It would never be possible for me to take this thesis to this level without his/her innovative ideas and his/her relentless support and encouragement.

.....

.....

(Name of Student)  
Registration No. \_\_\_\_\_

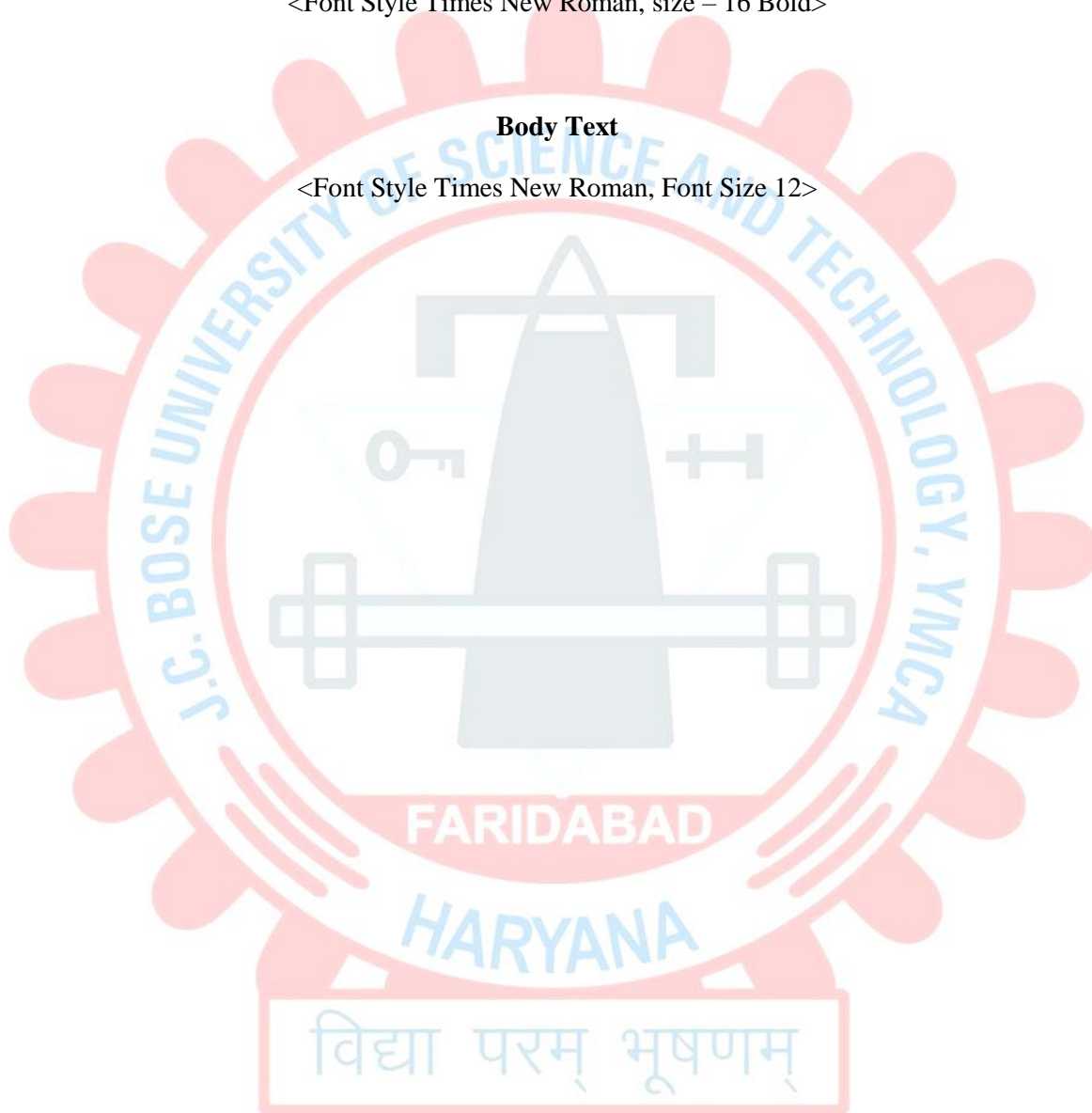
## APPENDIX 7

### ABSTRACT

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### Body Text

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## TABLE OF CONTENTS

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Candidate's Declaration	i.
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List of Figures	vii
List of Photographs	ix
List of Abbreviations	x
Contents /Body of Thesis	
(Suggested format for chapters, which may be modified as per requirement)	
1. Introduction	
2. Overview of Area	
3. Literature Survey Review	
4. Motivation	
5. Problem Formulation	
6. Objectives of the Thesis	
7. Methodology	
8. Organization of the Thesis	
9. Development of Main Work	
10. Result and Discussions	
11. Conclusion and scope for future work	



## APPENDIX 9

### LIST OF TABLES

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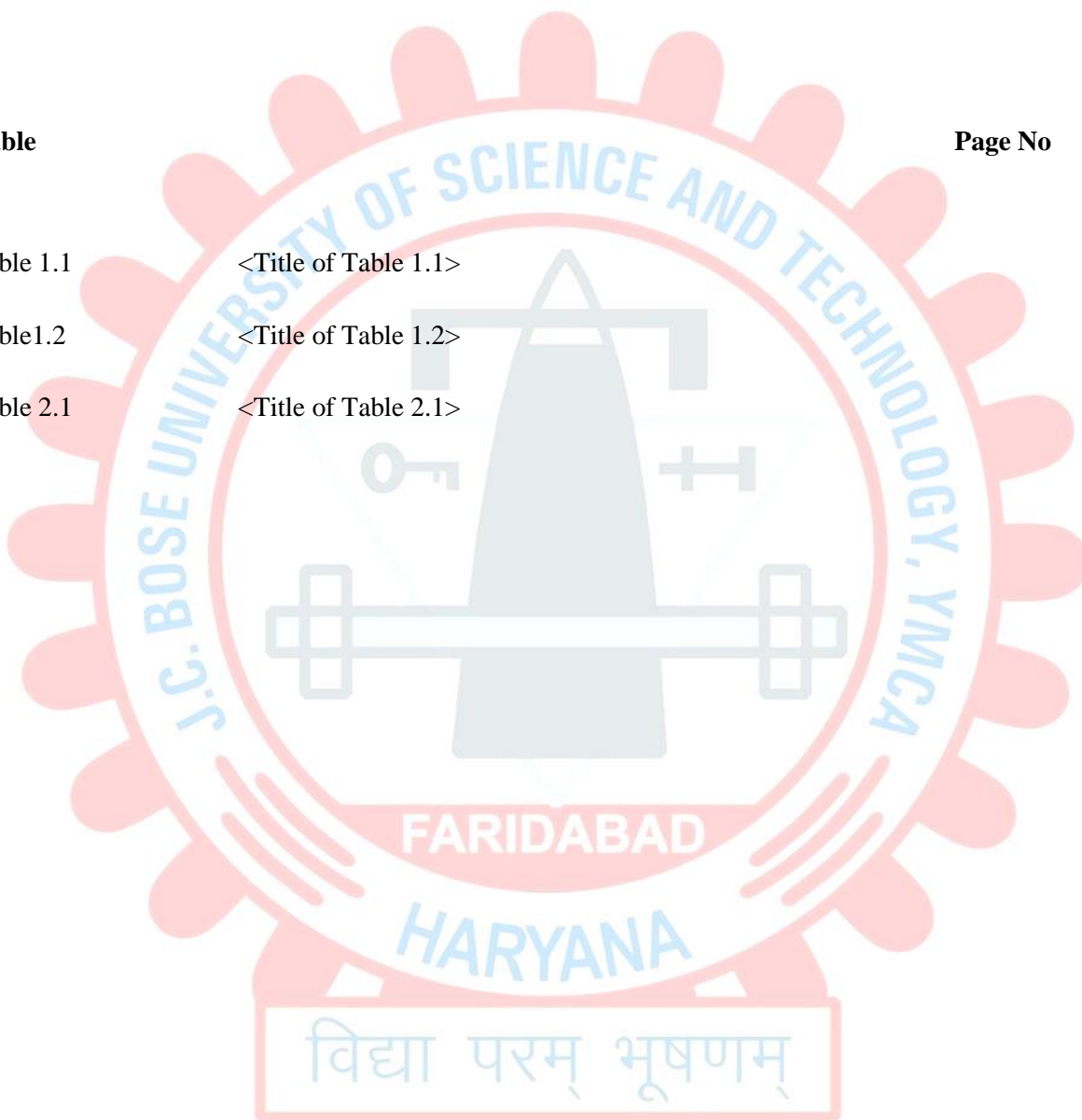
#### Table

#### Page No

Table 1.1 <Title of Table 1.1>

Table 1.2 <Title of Table 1.2>

Table 2.1 <Title of Table 2.1>



## APPENDIX 10

### LIST OF FIGURES/GRAPHS

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**Figure**

**Page No.**

Figure 1.1

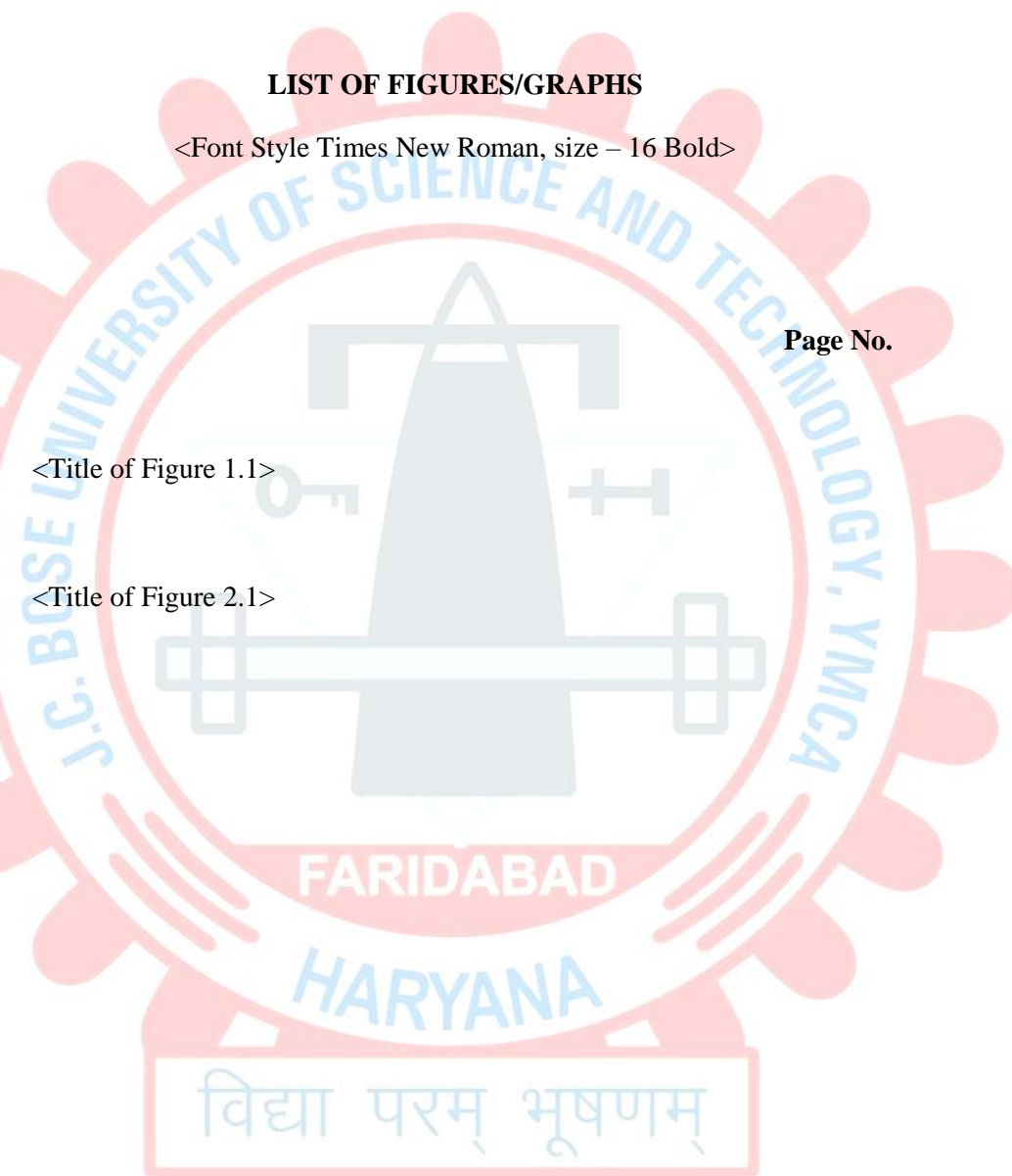
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Figure 2.1

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## APPENDIX 11

### LIST OF PHOTOGRAPHS

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**Photograph**

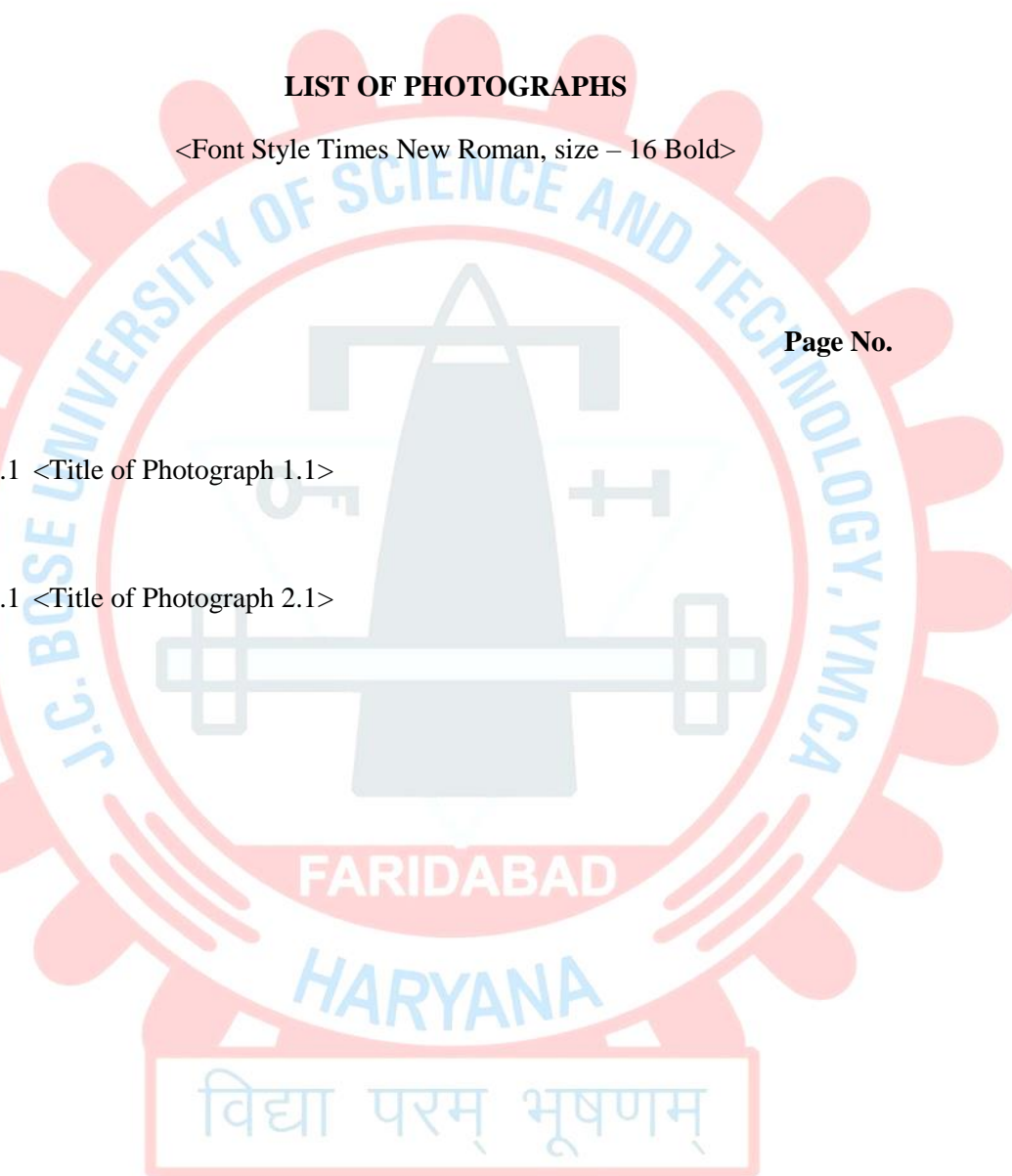
**Page No.**

Photograph 1.1 <Title of Photograph 1.1>

Photograph 2.1 <Title of Photograph 2.1>

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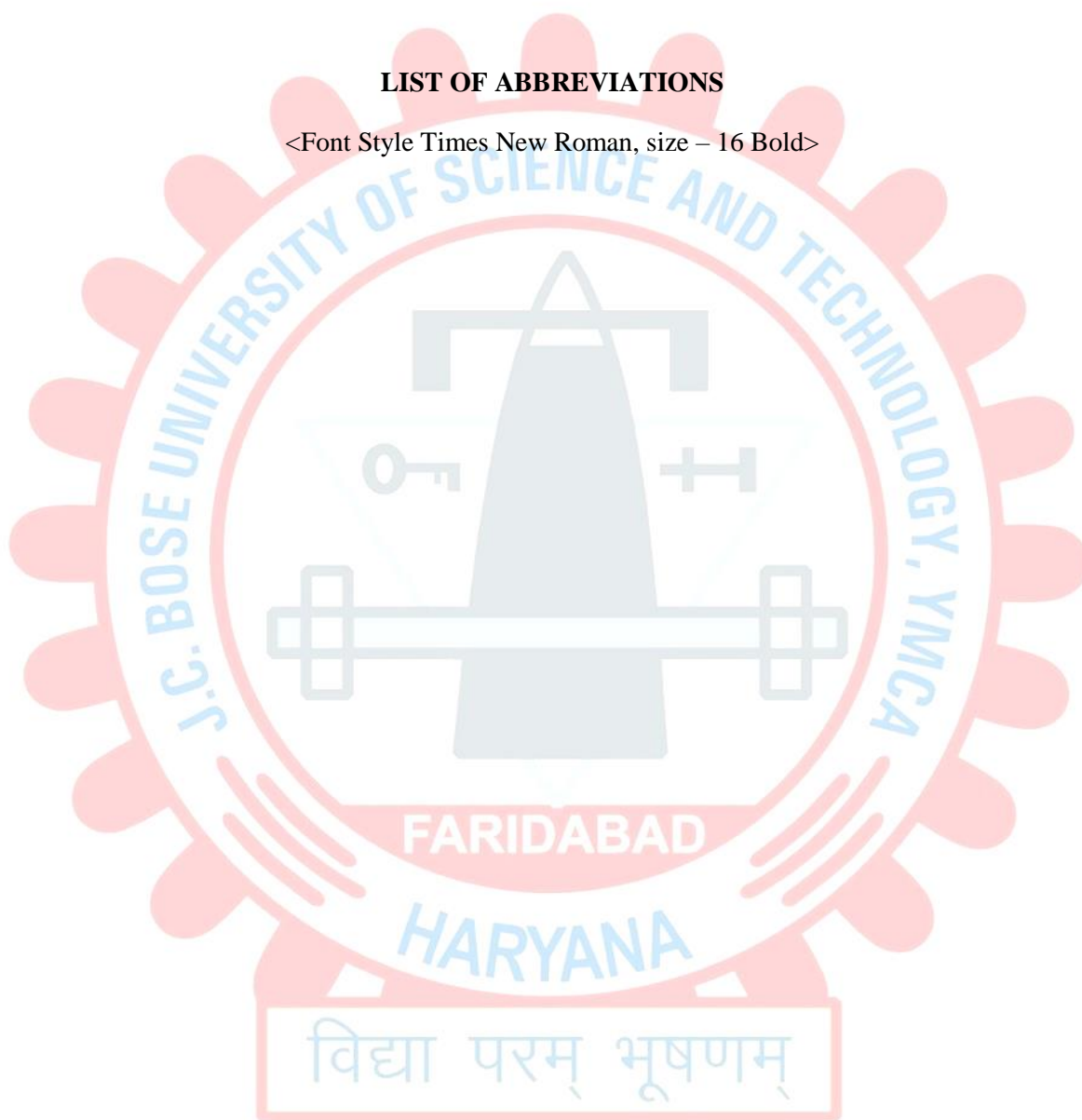
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## APPENDIX 12

### LIST OF ABBREVIATIONS

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## REFERENCES

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- [1] A. Rezi and M. Allam, "Techniques in array processing by means of transformations, " in *Control and Dynamic Systems*, Vol. 69, Multidemsional Systems, C. T. Leondes, Ed. San Diego: Academic Press, 1995, pp. 133-180.
- [2] S. M. Hemmington, *Soft Science*. Saskatoon: University of Saskatchewan Press, 1997.
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- [4] D. Sarunyagate, Ed., *Lasers*. New York: McGraw-Hill, 1996.
- [5] O. B. R. Strimpel, "Computer graphics," in *McGraw-Hill Encyclopedia of Science and Technology*, 8th ed., Vol. 4. New York: McGraw-Hill, 1997, pp. 279-283.
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- [7] L. Vertelney, M. Arent, and H. Lieberman, "Two disciplines in search of an interface: Reflections on a design problem," in *The Art of Human-Computer Interface Design*, B. Laurel, Ed. Reading, MA: Addison-Wesley, 1990. Reprinted in *Human-Computer Interaction (ICT 235) Readings and Lecture Notes*, Vol. 1. Murdoch: Murdoch University, 2005, pp. 32-37.
- [8] E. P. Wigner, "Theory of traveling wave optical laser," *Physical Review*, vol.134, pp. A635-A646, Dec. 1965.

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## APPENDIX 14

### APPENDICES

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#### Body Text

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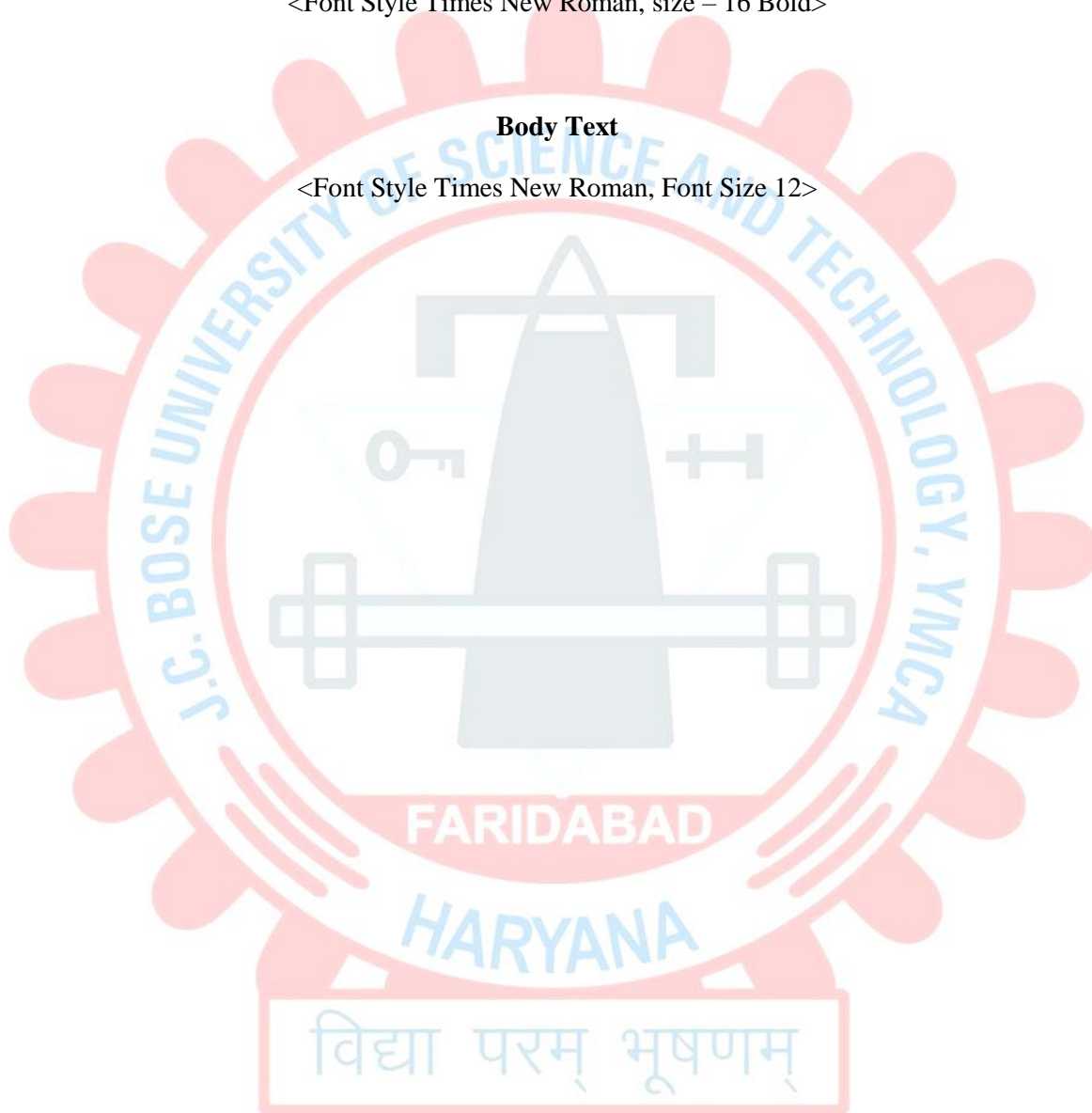


**BRIEF PROFILE OF THE RESEARCH SCHOLAR**

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**Body Text**

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## APPENDIX 16

### LIST OF PUBLICATIONS OUT OF THESIS

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#### Body Text

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#### List of Published Papers

Sl. No.	Title of Paper	Name of Journal where published	No.	Volume & Issue	Year	Pages
1.						
2.						

#### List of Accepted Papers

Sl. No.	Title of Paper	Name of Journal where accepted	No.	Volume & Issue	Year
1.					

#### List of Communicated Papers

Sl. No.	Title of the Paper	Name of Journal	Present Status	Year
1.				