# **FORMAT FOR PREPARATION OF PROJECT REPORT**

## **FOR**

## **B.SC. / BCA / MCA / B. TECH. /M.TECH / M.SC.**

1. **ARRANGEMENT OF CONTENTS:**

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

* 1. Title Page
  2. Bonafide Certificate
  3. Acknowledgement (with names of students at the bottom)
  4. Abstract
  5. Table of Contents
  6. List of Tables
  7. List of Figures
  8. List of Symbols, Abbreviations and Nomenclature
  9. Chapters
  10. Appendices
  11. References

The table and figures shall be introduced in the appropriate places.

1. **PAGE DIMENSION AND BINDING SPECIFICATIONS:**

The dimension of the project report should be in A4 size. The project report should be bound using flexible cover of the thick white art paper. The cover should be **printed in black letters** and the text for printing should be identical.

1. **PREPARATION FORMAT:**

**3.1 Cover Page & Title Page** – A specimen copy of the Cover page & Title page of the project report are given in **Appendix 1.**

**3.2 Bonafide Certificate –** The Bonafide Certificate shall be in double line spacing using Font Style Times New Roman and Font Size 14, as per the format in **Appendix 2.**

The certificate shall carry the supervisor’s signature and shall be followed by the supervisor’s name, academic designation (not any other responsibilities of administrative nature), department and full address of the institution where the supervisor has guided the student. The term **‘SUPERVISOR’** must be typed in capital letters between the supervisor’s name and academic designation.

**3.3 Abstract –** Abstract should be one page synopsis of the project report typed double line spacing, Font Style Times New Roman and Font Size 14.

**3.4 Table of Contents –** The table of contents should list all material following it as well as any material which precedes it. The title page and Bonafide Certificate will not find a place among the items listed in the Table of Contents but the page numbers of which are in lower case Roman letters. One and a half spacing should be adopted for typing the matter under this head. A specimen copy of the Table of Contents of the project report is given in **Appendix 3.**

**3.5 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.

**3.6 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.

**3.7 List of Symbols, Abbreviations and Nomenclature** – One and a half spacing should be adopted or typing the matter under this head. Standard symbols, abbreviations etc. should be used.

**3.8 Chapters** – The chapters may be broadly divided into 3 parts (i) Introductory chapter, (ii) Chapters developing the main theme of the project work (iii) and Conclusion.

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

* Each chapter should be given an appropriate title.
* 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.

**3.9 Appendices** – Appendices are provided to give supplementary information, which is included in the main text may serve as a distraction and cloud the central theme.

* Appendices should be numbered using Arabic numerals, e.g. Appendix 1, Appendix 2, etc.
* Appendices, Tables and References appearing in appendices should be numbered and referred to at appropriate places just as in the case of chapters.
* Appendices shall carry the title of the work reported and the same title shall be made in the contents page also.

**3.10 List of References** –The listing of references should be typed 4 spaces below the heading “REFERENCES” in alphabetical order in single spacing left – justified. The reference material should be listed in the alphabetical order of the first author. The name of the author/authors should be immediately followed by the year and other details.

A typical illustrative list given below relates to the citation example quoted above.

**REFERENCES**

1. Ariponnammal, S. and Natarajan, S. (1994) ‘Transport Phonomena of Sm Sel – X Asx’, Pramana – Journal of Physics Vol.42, No.1, pp.421-425.

2. Barnard, R.W. and Kellogg, C. (1980) ‘Applications of Convolution Operators to Problems in Univalent Function Theory’, Michigan Mach, J., Vol.27, pp.81–94.

3. Shin, K.G. and Mckay, N.D. (1984) ‘Open Loop Minimum Time Control of Mechanical Manipulations and its Applications’, Proc.Amer.Contr.Conf., San Diego, CA, pp. 1231-1236.

* + 1. **Table and figures -** By the word Table, is meant tabulated numerical data in the body of the project report as well as in the appendices. All other non-verbal materials used in the body of the project work and appendices such as charts, graphs, maps, photographs and diagrams may be designated as figures.

**4. TYPING INSTRUCTIONS:**

The impression on the typed copies should be black in colour.

One and a half spacing should be used for typing the general text. The general text shall be typed in the Font style ‘Times New Roman’ and Font size 14.

**\* \* \* \* \***

##### **APPENDIX 1**

(A typical Specimen of Cover Page & Title Page)

<Font Style Times New Roman – Bold>

##### **TITLE OF PROJECT REPORT**

Website for a Local Business

##### **A PROJECT REPORT**

###### ***Submitted by***

Saptarshi Patra

##### **NAME OF THE CANDIDATE(S)**

Saptarshi Patra

***in partial fulfillment for the award of the degree***

***of***

##### **NAME OF THE DEGREE**

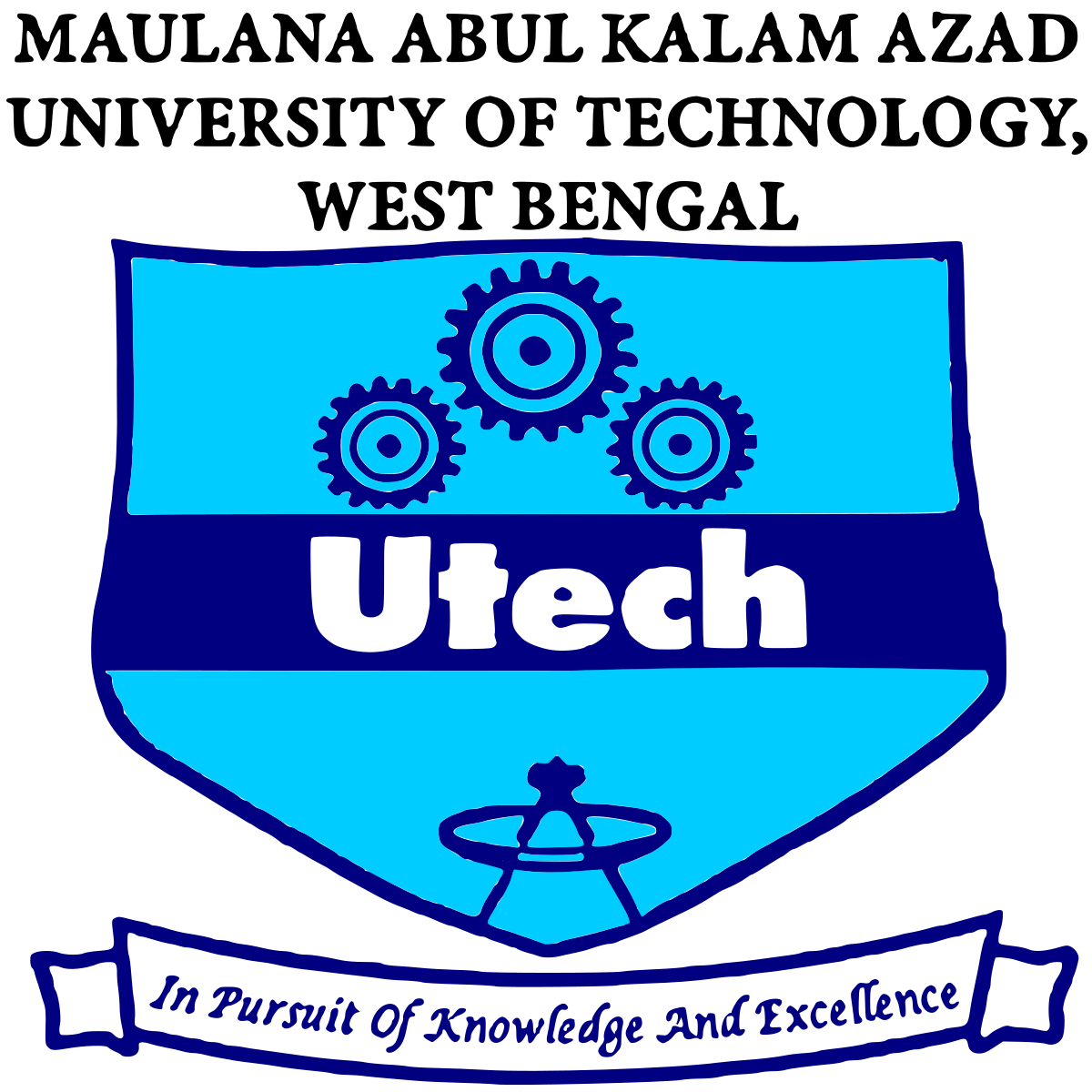
Master’s Of Computer Application

**IN**

BRANCH OF STUDY

I.T Department

Year: 2020-22



**NAME OF THE COLLEGE**

Maulana Abul Kalam Azad University of Technology

**Address of college**

NH-12 (Old NH-34) Simhat

Haringhata, Nadia 741249, West Bengal

Phone: (033) 2321 0731 / 1327

**APPENDIX 2**

(A typical specimen of Bonafide Certificate)

<Font Style Times New Roman>

**BONAFIDE CERTIFICATE**

<Font Style Times New Roman – size -16>

<Font Style Times New Roman – size -14>

Certified that this project report **“..…...Website for a Local Business………..”**

is the bonafide work of “**………...Saptarshi Patra..……”** who carried out the project work under my supervision.

<<Signature of the Head of the Department>> <<Signature of the Supervisor>>

**SIGNATURE SIGNATURE**

<<Name>> <<Name>>

**HEAD OF THE DEPARTMENT SUPERVISOR**

<<Academic Designation>>

<<Department>> <<Department>>

<<Full address of the Dept & College >> <<Full address of the Dept & College >>

<<Signature of External Examiner>>

**SIGNATURE**

**<<**Name**>>**

**External Examiner:**

**APPENDIX 3**

(A typical specimen of table of contents)

<Font Style Times New Roman>

**TABLE OF CONTENTS**

**CHAPTER NO. TITLE PAGE NO.**

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##### Introduction

There are two broad divisions of web development – front-end development (also called client-side development) and back-end development (also called server-side development).

Front-end development refers to constructing what a user sees when they load a web application – the content, design and how you interact with it. This is done with three technologies – HTML, CSS and JavaScript.

HTML, short for [**Hyper Text Markup Language**](https://www.codeconquest.com/tutorials/html/), is a special code for ‘marking up’ text in order to turn it into a web page. Every web page on the net is written in HTML, and it will form the backbone of any web application. CSS, short for [**Cascading Style Sheets**](https://www.codeconquest.com/tutorials/css/), is a code for setting style rules for the appearance of web pages. CSS handles the cosmetic side of the web. Finally, [**JavaScript**](https://www.codeconquest.com/tutorials/javascript/) is a scripting language that’s widely used to add functionality and interactivity to web pages.

Back-end development controls what goes on behind the scenes of a web application. A back-end often uses a database to generate the front-end.

In my project I created the Front-End Part, Which will be connected to Back-End using Mongo-Db, Node.js. This project is for a Local Distributor in my locality. This website will showcase their products and product specifications too.

##### Technology Used

The Front-End Part of this Website is made by using :-

* HTML
* CSS
* JavaScript
* JQuery
* BootStrap
* **HTML -**

HyperText Markup Language (HTML) is the set of markup symbols or codes inserted into a file intended for display on the Internet. The markup tells web browsers how to display a web page's words and images.

Each individual piece markup code (which would fall between "<" and ">" characters) is referred to as an element, though many people also refer to it as a tag. Some elements come in pairs that indicate when some display effect is to begin and when it is to end.

* **CSS -**

CSS stands for Cascading Style Sheets. It is the language for describing the presentation of Web pages, including colours, layout, and fonts, thus making our web pages presentable to the users.

CSS is designed to make style sheets for the web. It is independent of HTML and can be used with any XML-based markup language.

* **JavaScript -**

JavaScript is a text-based programming language used both on the client-side and server-side that allows you to make web pages interactive. Where HTML and CSS are languages that give structure and style to web pages, JavaScript gives web pages interactive elements that engage a user. Common examples of JavaScript that you might use every day include the search box on Amazon, a news recap video embedded on The New York Times, or refreshing your Twitter feed.

Incorporating JavaScript improves the user experience of the web page by converting it from a static page into an interactive one. To recap, JavaScript adds **behavior** to web pages.

* **JQuery -**

jQuery is a fast, small, and feature-rich JavaScript library. It makes things like HTML document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy-to-use API that works across a multitude of browsers. With a combination of versatility and extensibility, jQuery has changed the way that millions of people write JavaScript.

jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.The jQuery library contains the following features:

* HTML/DOM manipulation
* CSS manipulation
* HTML event methods
* Effects and animations
* AJAX
* Utilities
* **BootStrap -**

Bootstrap is a massive collection of reusable and versatile pieces of code which are written in CSS, HTML and JavaScript. Since it is also a framework, all the foundations are already laid for responsive web development, and all developers have to do is insert the code into the [pre-defined grid system](https://www.simbla.com/post/what-is-bootstrap).

There are some free tools that come as part of the package, which permit designers to build the more common website interface components, as well as more responsive ones, adding to the versatility of the framework.

Typically, it saves you from having to write long strings of especially CSS code. This gives you more time as well as capacity to work on the design of the webpages themselves. At the moment, [Bootstrap is hosted by GitHub](https://github.com/twbs/bootstrap).

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##### Aim of the Project

* To create Web Pages for computer, T.V as well as for small components like mobile, tablet etc.
* To make a completely dynamic Website.
* To be Responsive.
* Aesthetic User-Interface as well as User-Experience.
* Single Page Web Application to save data.
* To make the webpage more interactable with users.
* Added some animations to give the user a good experience.

##### Features

* Application installation is not required, users access the application on the web (only plug-in installation maybe required).
* Updates and Upgrades to newer versions are automatic because this is a web app.
* Any computer with an internet connection can become an access point to application, no matter what operating system is installed.
* The risk of an viral infection is generally decreased when running an application on the web instead of an executable.

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##### Software Quality Attributes

There are various software quality attributes that are taken in consideration -

1. **Availability** - As it is a web based service provided to the users, It will be available as long as server is up.
2. **Interoperability** - It is interoperable on various operating systems, thus increasing the application usability and flexibility.
3. **Maintainability** - It is a web based service provided to users. Hence all the updates are centralized making the maintenance convenient.
4. **Usability** - The main purpose of this web page is to give customers time to time updates on discounts, If they subscribe to the website.

##### Conclusion

This website is only made to globalise the client’s business. User’s or Customers can see their product and specification through the website, No need to give an offline demo to sell the product. There is a special feature called subscribe to get notified for the latest discount, If a customer subscribed on that feature using their email id. They will receive the latest information about their products like discounts, new arrival etc.

This website is not an e-commerce site, it is just to showcase the distributor’s products which can be available to everyone who visits their website. So there's no cart and payment options. E-commerce websites are difficult to handle. It requires a team to update their website daily, So I proposed that they build this kind of website to gain advantages like e-commerce sites.

For this website, Now the distributor has advantages to show their products to the customers virtually. Which is great for a salesman on this institution who visits the customer’s cand shows them an offline demo of their products. Now they can sell easily without having their product offline.

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