



**SCHOOL OF DISTANCE EDUCATION**  
**பாரதியார் பல்கலைக்கழகம்**  
**BHARATHIAR UNIVERSITY**  
Coimbatore – 641 046, Tamilnadu, India

State University | Re-accredited with "A" Grade by NAAC | Ranked 13<sup>th</sup> among Indian Universities by MHRD - NIRF

Ref.No.SDE/II MCA/Project/Aca.bat.2021-22

Dated : 16.09.2022

Dear Student,

Sub : SDE – MCA – Academic year 2021-22 batch – Project Guide Allotment –  
Submission of Project Report – TN0201 centre – Reg.

\*\*\*\*\*

It is informed that the guide for II<sup>nd</sup> year MCA (21AMCAN....) Academic year 2021-22 batch students of **TN0201 centre** are allotted by the Co-ordinator concerned and it is mentioned below. The students are hereby requested to report to the Guide concerned for project review by their guides twice for first review on 11.11.2022 (Friday) & second review on 10.02.2023 (Friday). The last date fixed for submission of Project Report to "The Director, School of Distance Education, Bharathiar University, Coimbatore – 641 046" is on **31.03.2023**.

Name and Address of the Guide	Enrolment Numbers of Students
<b>1. Dr.T.Devi,</b> Professor &Head, Dept. of Computer Applications, Bharathiar University, Coimbatore -46. Mobile : 9790004351 Email : tdevi5@gmail.com	21AMCAN0001, 20AMCAN0002, 21AMCAN0003 21AMCAN0004, 21AMCAN0005, 21AMCAN0006 21AMCAN0007, 21AMCAN0008, 21AMCAN0009 21AMCAN0010
<b>2. Dr.M. Punithavalli,</b> Professor, Dept. of Computer Applications, Bharathiar University, Coimbatore - 46. Mobile 9843281552 Email : mpunitha_srcw@yahoo.co.in	21AMCAN0011, 21AMCAN0012, 21AMCAN0013 21AMCAN0014, 21AMCAN0015, 21AMCAN0016 21AMCAN0017, 21AMCAN0018, 21AMCAN0019 21AMCAN0020, 21AMCAN0021, 21AMCAN0022 21AMCAN0023, 21AMCAN0024, 21AMCAN0025 21AMCAN0026, 21AMCAN0027, 21AMCAN0028 21AMCAN0029, 21AMCAN0030, 21AMCAN0031 21AMCAN0032, 21AMCAN0033, 21AMCAN0034 21AMCAN0035
<b>3. Dr. J.Satheesh Kumar,</b> Associate Professor, Dept. of Computer Applications, Bharathiar University, Coimbatore – 46. Mobile : 9443968110 Email : jsathee@rediffmail.com	21AMCAN0036, 21AMCAN0037, 21AMCAN0038 21AMCAN0039, 21AMCAN0040, 21AMCAN0041 21AMCAN0042, 21AMCAN0043, 21AMCAN0044 21AMCAN0045, 21AMCAN0046, 21AMCAN0047 21AMCAN0048, 21AMCAN0049, 21AMCAN0050 21AMCAN0051, 21AMCAN0052, 21AMCAN0053 21AMCAN0054, 21AMCAN0056, 21AMCAN0057 21AMCAN0058, 21AMCAN0059, 21AMCAN0060 21AMCAN0061
<b>4. Dr.V.Bhuvaneswari,</b> Associate Professor, Dept. of Computer Applications, Bharathiar University, Coimbatore - 46. Mobile 9894703005 Email : bhuvanes_v@yahoo.com	21AMCAN0062, 21AMCAN0063, 21AMCAN0065 21AMCAN0066, 21AMCAN0067, 21AMCAN0068 21AMCAN0069, 21AMCAN0070, 21AMCAN0072 21AMCAN0073, 21AMCAN0074, 21AMCAN0075 21AMCAN0076, 21AMCAN0077, 21AMCAN0078 21AMCAN0079, 21AMCAN0080, 21AMCAN0081 21AMCAN0082, 21AMCAN0083, 21AMCAN0084 21AMCAN0088, 21AMCAN0089, 21AMCAN0090 21AMCAN0092
<b>5. Dr.R.Rajeswari,</b> Associate Professor, Dept. of Computer Applications, Bharathiar University, Coimbatore – 46. Mobile : 9944126231 Email : rrajeswari@rediffmail.com	21AMCAN0093, 21AMCAN0094, 21AMCAN0095 21AMCAN0096, 21AMCAN0097, 21AMCAN0098 21AMCAN0099, 21AMCAN0100, 21AMCAN0101 21AMCAN0102, 21AMCAN0103, 21AMCAN0104 21AMCAN0105, 21AMCAN0106, 21AMCAN0107 21AMCAN0110, 21AMCAN0111, 21AMCAN0112 21AMCAN0113, 21AMCAN0114, 21AMCAN0115 21AMCAN0116, 21AMCAN0117, 21AMCAN0118 21AMCAN0120

<p><b>6. Mr. S. Palanisamy,</b> Assistant Professor, Dept. of Computer Applications, Bharathiar University, Coimbatore – 46. Mobile : 9842782009 Email : spalanisamy_mca@yahoo.co.in</p>	<p>21AMMCAN0121, 21AMMCAN0122, 21AMMCAN0123 21AMMCAN0124, 21AMMCAN0125, 21AMMCAN0126 21AMMCAN0127, 21AMMCAN0128, 21AMMCAN0129 21AMMCAN0130, 21AMMCAN0131, 21AMMCAN0132 21AMMCAN0133, 21AMMCAN0134, 21AMMCAN0135 21AMMCAN0137, 21AMMCAN0138, 21AMMCAN0139 21AMMCAN0140, 21AMMCAN0143, 21AMMCAN0145 21AMMCAN0146, 21AMMCAN0147, 21AMMCAN0148 21AMMCAN0149</p>
<p><b>7. Dr. S. Gavaskar,</b> Assistant Professor, Dept. of Computer Applications, Bharathiar University, Coimbatore – 46. Mobile : 9710908460 Email : gavvas_blue@yahoo.co.in</p>	<p>21AMMCAN0150, 21AMMCAN0154, 21AMMCAN0155 21AMMCAN0157, 21AMMCAN0158, 21AMMCAN0159 21AMMCAN0161, 21AMMCAN0162, 21AMMCAN0163 21AMMCAN0164, 21AMMCAN0166, 21AMMCAN0168 21AMMCAN0169, 21AMMCAN0170, 21AMMCAN0171 21AMMCAN0172, 21AMMCAN0173, 21AMMCAN0174 21AMMCAN0175, 21AMMCAN0177, 21AMMCAN0178 21AMMCAN0179, 21AMMCAN0190, 21AMMCAN0192 21AMMCAN0193</p>
<p><b>8. Mr. K. Moorthy</b> Dept. of Computer Applications, Bharathiar University Coimbatore -46. Mobile : 97913 62177 Email: moorthyk87@gmail.com</p>	<p>21AMMCAN0194, 21AMMCAN0195, 21AMMCAN0196 21AMMCAN0200, 21AMMCAN0201, 21AMMCAN0202 21AMMCAN0203, 21AMMCAN0205, 21AMMCAN0206 21AMMCAN0207, 21AMMCAN0208, 21AMMCAN0210 21AMMCAN0211, 21AMMCAN0214, 21AMMCAN0215 21AMMCAN0217, 21AMMCAN0218, 21AMMCAN0224 21AMMCAN0228, 21AMMCAN0231, 21AMMCAN0232 21AMMCAN0233, 21AMMCAN0238, 21AMMCAN0240 21AMMCAN0241</p>
<p><b>9. Dr.J. Ramsingh</b> Dept. of Computer Applications, Bharathiar University Coimbatore – 46 Mobile : 95008 97389 Email : j.ramsingh@hotmail.com</p>	<p>21AMMCAN0244, 21AMMCAN0245, 21AMMCAN0246 21AMMCAN0247, 21AMMCAN0248, 21AMMCAN0249 21AMMCAN0251, 21AMMCAN0252, 21AMMCAN0253 21AMMCAN0254, 21AMMCAN0255, 21AMMCAN0256 21AMMCAN0258, 21AMMCAN0259, 21AMMCAN0260 21AMMCAN0262, 21AMMCAN0264, 21AMMCAN0265 21AMMCAN0266, 21AMMCAN0267, 21AMMCAN0268 21AMMCAN0269, 21AMMCAN0271, 21AMMCAN0273 21AMMCAN0276</p>
<p><b>10. Mr. P. Balamurugan</b> Dept. of Computer Applications Bharathiar University Coimbatore – 46 Mobile: 72592 39410 Email: palanisamy.balamurugan@gmail.com</p>	<p>21AMMCAN0278, 21AMMCAN0279, 21AMMCAN0280 21AMMCAN0282, 21AMMCAN0286, 21AMMCAN0300 21AMMCAN0301, 21AMMCAN0302, 21AMMCAN0303 21AMMCAN0304, 21AMMCAN0305, 21AMMCAN0306 21AMMCAN0307, 21AMMCAN0308, 21AMMCAN0309 21AMMCAN0311, 21AMMCAN0312, 21AMMCAN0313 21AMMCAN0314, 21AMMCAN0315, 21AMMCAN0317 21AMMCAN0319, 21AMMCAN0322, 21AMMCAN0324 21AMMCAN0326</p>
<p><b>11. Dr. R.Balu</b> Bharathiar University Coimbatore -46 Mobile: 9842012361 Email: rvbalu@yahoo.co.in</p>	<p>21AMMCAN0327, 21AMMCAN0328, 21AMMCAN0329 21AMMCAN0330, 21AMMCAN0345, 21AMMCAN0346 21AMMCAN0348, 21AMMCAN0349, 21AMMCAN0350 21AMMCAN0354, 21AMMCAN0355, 21AMMCAN0356 21AMMCAN0357, 21AMMCAN0361, 21AMMCAN0362 21AMMCAN0363, 21AMMCAN0364, 21AMMCAN0365 21AMMCAN0366, 21AMMCAN0367, 21AMMCAN0368 21AMMCAN0369, 21AMMCAN0370, 21AMMCAN0371 21AMMCAN0372</p>

*P. Balamurugan*  
16/9/20  
DIRECTOR i/c



SCHOOL OF DISTANCE EDUCATION  
பாரதியார் பல்கலைக்கழகம்  
BHARATHIAR UNIVERSITY  
Coimbatore – 641 046, Tamilnadu, India

State University | Re-accredited with "A" Grade by NAAC | Ranked 13<sup>th</sup> among Indian Universities by MHRD - NIRF

Ref:SDE/ MCA/Project/Acd batch 2021-22

Date: 16.09.2022

Dear Student,

Greetings,

As a part of MCA degree programme (2021-22 Academic Batch), you have to undertake a project work at a reputed Institution/ Organization and submit the Project Report at the end of the project period for evaluation.

Guide for Project work will be allotted by the Co-ordinator.

A letter signed by the Director, School of Distance Education, Bharathiar University is also enclosed, to hand it over to the concern where you wish to do your project and get their permission. Kindly fill in your postal address and the name of the concern in the spaces given, before handing over the letter.

Please find enclosed the following for the conduct of the project and preparation for the Project Report:

1. Guidelines for MCA project
2. Specimen Cover page of Thesis
3. Certificate
4. Declaration
5. Sample Contents page
6. Instruction for thesis writing

  
DIRECTOR i/c

Encl: as above

To



SCHOOL OF DISTANCE EDUCATION  
பாரதீயார் பல்கலைக்கழகம்  
BHARATHIAR UNIVERSITY  
Coimbatore - 641 046, Tamilnadu, India

State University | Re-accredited with "A" Grade by NAAC | Ranked 13<sup>th</sup> among Indian Universities by MHRD - NIRF

Sir,

Sub: SDE – MCA – Academic year 2021-22 batch – Project Work – Reg.

-oo-

The School of Distance Education of Bharathiar University conducts MCA degree programme by Distance Education mode. As part of the curriculum, the students have to do a project work for a period of 6 months in a reputed organization like yours and report has to be submitted before 31.03.2023.

Mr/Ms/Mrs \_\_\_\_\_

With enrolment No. \_\_\_\_\_ is a final year MCA student has expressed his/ her keen desire to do his/her final year project at your esteemed organization. I am confident that the professional expertise of your firm will help him/ her to improve the programming skills of the candidate. The tenure of the project work for the student is from 01.10.2022 to 31.03.2023.

I will be glad if you would permit him/her to undertake the project work and the letter of confirmation to this effect may kindly be sent to this school, at the earliest.

Address of the student:

Awaiting your favourable response,

Thanking you

Yours sincerely

  
DIRECTOR i/c

To

**GUIDELINES TO MCA PROJECT**

**You are advised to carefully read the instructions given and follow them in the preparation of the Project Report. Non-compliance with any of this instruction may lead to the rejection of Project Report submitted.**

- \* The duration of the Project work will be for 6 months from 01.10.2022 to 31.03.2023.
- \* The project guide :The qualification of the project guide is PG in Master of Computer of Applications. A guide should work as faculty in the college / University. He / She should handle classes for PG in Master of Computer Applications.
- \* You are expected to undertake project work individually and submit an individual project report.
- \* Project reports should be typed/printed in double line space using A4 size bond papers with a left margin of column 10 and right margin of column 65.
- \* A page should not contain more than 25 lines.
- \* All pages should be numbered. The preliminary pages of the Project Report (such as title page, acknowledgement, table of contents, etc.) should be numbered in lowercase Roman numbers and pages of the main text starting with Chapter-1 should be consecutively numbered in Arabic numbers.
- \* Binding specifications: Wrapper should be light grey in colour and printing of wrappers should be done in the press and not hard bound.
- \* Source code should not be enclosed along with project report, but the same should be bound as an appendix and submitted along with the project report. The source code should be loaded and made readily available in the system, during viva-voce examination, for verification by the examiners. If you are not permitted to bring the source code outside the organization you should obtain a certificate to that effect from the Head of the division of the concern where you undertake the project work.
- \* Table of contents should be as in the specified format given in Annexure III.
- \* A certificate from the organization where you undertake the project work should be obtained and copies of the same should be duly enclosed in the project report.

- **REVIEW**

You are requested to report to the guide concerned for the project review by your guide twice during project work. Review dates 11.11.2022 (Friday), 10.02.2023(Friday).

The students are expected to make a PowerPoint presentation on their project – objectives, work carried out so far, design, development, output, expected, status, plan for the remaining period. **ATTENDANCE FOR THE PROJECT REVIEWS IS COMPULSORY**

- The format of the report is as follows:

1. Wrapper
2. Copy of the wrapper
3. Declaration by the candidate (in the format as in annexure-I)
4. Certificate (in the format as in annexure -II)
5. Certificate from the organization
6. Acknowledgement
7. Synopsis
8. Table of contents (in the format as in annexure-III)
9. Chapters
10. Bibliography (in the alphabetical order of authors)

You must write to the respective guide, with a copy to the Director, School of Distance Education, the date of commencement of the project, the name of the organization, the name of the guide from industry and the likely topic of your Project.

- FINAL SUBMISSION

Three copies of the Project Report and soft copy of the Project Report in CD format should be submitted positively on or before 31.03.2023 to the Director, School of Distance Education, Bharathiar University.

*P. Muthu*  
DIRECTOR i/c

Title of the Project Report:

Project Report submitted to Bharathiar University in partial fulfillment of the requirement for the award of  
the Degree of Master of Computer Applications

<Name of the Candidate>

<Enrolment No.>

<Reg. No.>

<PCP Centre>

Under the guidance of

<Name of the Guide (in Block letters)>

<Designation>

School of Distance Education

Bharathiar University

Coimbatore 641 046

<Month & Year>

CERTIFICATE

(Model)

This is to certify that the project work titled \_\_\_\_\_ submitted to Bharathiar University in partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications is a record of the original work done by \_\_\_\_\_ under my supervision and guidance and that this project work has not formed the basis for the award of any Degree/Diploma/Associateship/Fellowship or similar title to any candidate of any University.

(Seal)

Signature of the Guide  
(with Seal)

Forwarded by

Director  
School of Distance Education  
Bharathiar University  
Coimbatore – 46

Submitted for University Examination held on \_\_\_\_\_

Internal Examiner

External Examiner



DECLARATION

I hereby declare that this project work titled \_\_\_\_\_ submitted to the School of Distance Education, Bharathiar University is a record of original work done by \_\_\_\_\_ under the supervision and guidance of \_\_\_\_\_ and that this project work has not formed the basis for the award of any Degree/Diploma/Associate ship/Fellowship or similar title to any candidate of any University.

Signature of the candidate

Name :

Enrolment No. :

Course :

PCP Centre :

Place :

Date :

Countersigned by

Signature of the Guide

(With Seal)

Countersigned by the Co-ordinator

(With seal)

The following is the table of contents from a project report. This is only a guideline and the students are asked to prepare the contents related to their projects after discussing with their respective guide and should present the contents during their second review.

**CONTENTS**

<b>ACKNOWLEDGEMENT</b>	I
<b>SYNOPSIS</b>	II
<b>1. INTRODUCTION</b>	<b>1</b>
1.1 System overview	1
1.2 About the organization	2
<b>2. SYSTEM STUDY AND ANALYSIS</b>	<b>2</b>
2.1 Problem Statement	2
2.2 Existing System	3
2.2.1 Drawbacks	3
2.3 Proposed System	4
2.3.1 Advantage	4
2.4 Feasibility Analysis	4
2.4.1 Technical feasibility	4
2.4.2 Economic feasibility	5
2.4.3 Operational feasibility	5
2.4.4 Cost estimation and scheduling	5
<b>3. DEVELOPMENT ENVIRONMENT</b>	<b>6</b>
3.1 Hardware Requirement	6
3.2 Software Requirement	6
3.3 Programming Environment	7
3.3.1 About PHP	7
3.3.2 About MYSQL	8
<b>4. SYSTEM DESIGN AND DEVELOPMENT</b>	<b>9</b>
4.1 Element of Design	9
4.1.1 Process Design	10
4.1.2 Concept Design	10
4.1.3 Logical Design	10
4.1.4 Physical Design	10
4.1.5 Input Design	11
4.1.6 Output Design	11
4.1.7 Database Design	11
4.2 Table Structure	13
<b>5. SYSTEM TESTING AND IMPLEMENTATION</b>	<b>36</b>
5.1 System Testing	36
5.1.1 Unit Testing	37
5.1.2 Integration Testing	38
5.1.3 User Acceptance Testing	39
5.1.4 Output Testing	39
5.1.5 Validation Testing	40
5.2 System Security	41
5.3 System Enhancement	41
<b>6. CONCLUSION AND FURTHER ENHANCEMENT</b>	<b>43</b>
6.1 Conclusion	43
6.2 Further Enhancement	43
<b>7. BIBLIOGRAPHY &amp; REFERENCES</b>	<b>44</b>

**Note:** DFD Diagram / Use case Diagram is to be given Under 4.1.1. process design. Table design is to be given under 4.1.5 Input design & 4.1.7 Database design. Screen shots are to be given under 4.1.5 and 4.1.6.

## INSTRUCTIONS FOR REPORT/THESIS WRITING

1. The entire should be in third person (i.e., I, We should be avoided) past participle (Ex. has been, had been).
2. Every chapter should start in a new page.
3. There should not be any page breaks between sections i.e., a chapter should continuously run through.
4. Every page should be numbered on the top right corner
5. Sections should also be numbered using N.1, N.2...
6. Section Heading should be in capital letters.
55. The first letter of every word in the subsection name should be in capital letters.
56. Chapter headings should be in Times New Roman font size 16 and centered.

## CHAPTER 1

### INTRODUCTION

57. The section heading and sub section heading be in Times New Roman font size 12, Bold and left aligned.
58. The regular text should be in Times New Roman, font size 12.
59. It is preferable not to have more than 3 levels of sectioning.
  3. Applications in Business.
    - 3.1 Banking Applications.
      - 3.1.1. Customer Interface.
60. At the end of every sentence, after full stop(.), it is better to leave two blank spaces
61. Every figure should be neatly drawn and centered.
62. Every figure should be numbered along with the chapter number serially. For example Figure 3.1. Data Flow Diagram
63. Figure name should be given at the bottom of the figure
64. Naming the figure: The first letter of every word in the figure name should in capital letter.
65. The figure should be referred in the text. For e.g. :
  5. Fig.3.1. Shows the Data Flow Diagram of the system
  6. Data Flow Diagram shows that the data from the inventory files flow to the stock generation report process.
66. The figure should be given in the same page or the following page wherever it is referred.
67. Every table should be neatly drawn and centered.
68. Every table should be numbered along with the chapter number serially.
69. Table name should be given at the top of the table.
70. Naming the table: The first letter of every word in the table name should be in capital letter.
71. The tables should be referred in the text. For e.g.  
Table 3.1 shows the data structure for the item master of the stock maintenance systems.
72. The table should be given in the same page or the following page, wherever it is referred.
73. Figure or table should not cut across a page.
74. Please find a sample enclosed from which you can set a template and use it.
75. A paragraph should have a minimum of 7 lines.
76. Avoid small sentences. A sentence needs to be atleast one and half lines long.
77. If you are writing small sentences, please see to that you combine related sentences using 'and', etc.
78. For References/ Bibliography, follow the standard formats as given at <http://www.aresearchguide.com/12biblio.html>