

Chhattisgarh Swami Vivekanand Technical University, Bhilai

SCHEME OF TEACHING & EXAMINATION SIXTH SEMESTER MCA

S.NO	Board of Study	Subject code	SUBJECT	Period /Week			Scheme of Exam			Total Marks	Credit L +(T+P)/2
				L	T	P	Theory/ Practical				
							ESC	CT	TA		
1	Computer Applications	521661(21)	Project	4	0	32	300		--	300	20
2	Computer Applications	521662(21)	Seminar on Project		0	4			200	200	2
			TOTAL	4		36	300		200	500	22

General Guidelines for MCA VI semester

- Students are required to take up individual project in companies/Organizations/PSU/Govt. EDP Cell other than the mini project standards already taken up during previous semesters.
- Project should be real time work, for total of 5 months duration.
- Project work may be application oriented or research oriented as per student interest. Therefore the project reports will vary depending on whether it is application oriented project or research based project.
- Regular project work weekly dairy should be maintained by the students, signed by the internal guide in order to verify the regularity of the student.
- Seminars / presentation should be given at Project Completion levels.
- Project verification at the place of project work is mandatory by the internal guide, for completion of the work.
- If project report is not as per the format and not a real time project, external guides will have every right to reject the project
- Students are encouraged and appreciated to show their project code demo along with their power point slide show during their viva-voce exams as an added advantage.

Guidelines for the Preparation of Project Reports

- **Printing Area:** The margins should be: Left: 1.25”, Right: 1.00”, Top and Bottom-1.00”. The text should be justified to occupy the full line width, so that the right margin is not ragged, with words hyphenated as appropriate. Please fill pages so that the length of the text runs to the right margin.

The report must be printed on one side only. Please use a high-resolution printer, preferably a laser printer with at least 300 dpi. Project reports must be printed neatly on

one side of the paper on a A4 size bond paper. The reports submitted to the department/guide(s) must be hard bounded with black cover with golden color alphabets.

- **Abstract:** The abstract should summarize the contents of the report and should contain at least 150 and at most 300 words. It should be set in 11-point font size. There should be two blank (10-point) lines before and after the title ABSTRACT.

Layout, Typeface, Font Sizes, and Numbering: For the main text, please use 11-point type and 1.5 line spacing. We recommend using Times New Roman fonts. Italic type may be used to emphasize words in running text. **Bold type and underlining should be avoided.**

- **Headings:** The chapter headings should be in capitals and must be separated from the other text by 24 point line space.

Headings should be in the form where each word is capitalized (i.e., nouns, verbs, and all other words except articles, prepositions, and conjunctions should be set with an initial capital) and should, with the exception of the title, be aligned to the left. The font sizes are given in Table 1.

Table 1: Font sizes of headings. Table captions should always be positioned Above the tables. The final sentence of a table caption should end without a period.

Heading	Example	Font Size and Style
Title	Chapter 1 Introduction	16 Point Bold
First Level Heading	1.1. Preamble	14 Point Bold
Second Level Heading	2.3.1. Mandatory	12 Point Bold
Third Level Heading	Creation of database	12 Point Bold Italicized

- **Figures and Photographs :** Check that in line drawings, lines are not interrupted and have constant width. Grids and details within the figures must be clearly readable and may not be written one on top of the other. The lettering in figures should have a height of 2 mm (10-point type). Figures should be scaled up or down accordingly.

Figures should be numbered and should have a caption which should always be positioned under the figures, in contrast to the caption belonging to a table, which should always appear above the table.

- **Program Code:** Program listings or program commands or algorithms in the text are normally set in typewriter font, e.g., CMTT10 or Courier.

- Example of an Algorithm is

Algorithm-1: Database Creation (Mean and Standard Deviation based approach)

Input: Static images of potential traffic sign

Output: Database created.

Methodology:

For each input image do

Step1: Preprocess the image as explained in section 4.3.1

Step2: Calculate the number of components in a sign as explained in section 4.3.1.

Step3: calculate a feature vector as mentioned in section 4.3.2.1.

Step4: Store the feature vector computed in step 3 in the corresponding database, based on number of components present in the sign.

Algorithm End.

- **Footnotes/ Header:** Footnotes/Header should appear at the bottom of the normal text area, with a line of about 5 cm in Word set immediately below/above the text.

Header sample: (Project title is left aligned and page number is right aligned)

<<Project Title>>

<<Page Number>>

Sample Footer:

<College Name>

Department of CA

2013-2014

- **References:** The list of references is headed “References” and is assigned a number with square brackets in the decimal system of headings. The list should be set in small print and placed at the end of the dissertation, in front of the appendix, if any exists. Please do not insert a page break before the list of references if the page is not completely filled.

For citations in the text please use square brackets and consecutive numbers: [1], [2], [3] etc.

- **Page Numbering :**

Reports must be printed with page numbers on the top right corner.

The total numbers of reports to be prepared are three

- One copy to the college
- One copy for University
- One copy to candidate
- One CD’s having soft copy of Project report (for department purpose)

Before taking the final printout, the approval of the concerned guide is mandatory and Suggested corrections, if any, must be incorporated.

Every copy of the report must contain:

- Outer title page (Black) with a plastic cover
- Inner title page (White)
- Certificate in the format enclosed, only certificate will be signed by following:
HOD, Internal guide and External guide.

The organization of the report should be as follows

Inner title page

Approval Certificate

Project Completion certificate from Company

Declaration (by student)

Acknowledgement

Abstract

Table of Contents

List of table and figures

Main body of project

References

Proper attention is to be paid to the technical contents as well as to the organization of the report and clarity of the expression. Care should be taken to avoid spelling and typing errors.

The student should note that report (write-up) forms the important component in the overall evaluation of the project. The respective guides can decide how the content of the project report must be organized if the project is research oriented, as a specific format cannot be defined for various domains of research problems.

CONTENTS

1. INTRODUCTION	
1.1 PROJECT DESCRIPTION	(2-4 pages)
1.2 COMPANY PROFILE	(1-2-3 pages)
2. SYSTEM STUDY	
2.1 EXISTING AND PROPOSED SYSTEM	(2-3 pages)
2.2 FEASIBILITY STUDY	(2-3 pages)
2.3 TOOLS AND TECHNOLOGIES USED	(2-4 pages)
2.4 HARDWARE AND SOFTWARE REQUIREMENTS	(1 page)
3. SOFTWARE REQUIREMENTS SPECIFICATION	
3.1 USERS	(1 page)
3.2 FUNCTIONAL REQUIREMENTS	(2-3 pages)
3.3 NON-FUNCTIONAL REQUIREMENTS	(2-3 pages)
4. SYSTEM DESIGN (various design diagrams according to project)	
4.1 SYSTEM PERSPECTIVE	(1-2 pages)
4.2 CONTEXT DIAGRAM (DFD)	(1-2 pages)
4.3 USE CASE DIAGRAM	(4-6 pages)
4.4 SEQUENCE DIAGRAMS	(4-6 pages)
4.5 COLLABARATION DIAGRAMS	(3-5 pages)
4.6 ACTIVITY DIAGRAM	(4-6 pages)
4.7 DATABASE DESIGN (ER and/or Conceptual schema)	(3-4 pages)
6. IMPLEMENTATION (full code or code snippet may be included)	
6.1 SCREEN SHOTS	(15-20 pages)
7. SOFTWARE TESTING (Test cases etc.)	(6- 8 pages)
8. CONCLUSION	(1 page)
9. FUTURE ENHANCEMENTS	(1 page)
Appendix A BIBLIOGRAPHY	(1 page)
Appendix B USER MANUAL	(2-10 pages)

(COVER PAGE)

PROJECT TITLE

A Dissertation submitted in partial fulfillment of the requirements for the award of degree of

MASTER OF COMPUTER APPLICATIONS

of

Chhattisgarh Swami Vivekanand Technical University

By

STUDENT NAME

(Enrolment Number)

Logo of college

Under the Guidance of

GUIDE NAME

Department of Computer Applications, Institute Name, Address, Place, Pin code.

Session: 2012-2015

(Inner Title Page)

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(Certificate by company in Company's Letter Head)

Declaration

I, <Name of student>, student of 6th Semester MCA, <College Name>, bearing Enrolment Number <Enroll. No. of student> hereby declare that the project entitled <Project Title> has been carried out by me under the supervision of **External Guide** /(or **Guide**) <Name of the Guide>, <Designation of Guide> submitted in partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications by the Chhattisgarh Swami Vivekanand Technical University during the academic year 2015. This report has not been submitted to any other Organization/University for any award of degree.

Signature:

Name:

University Roll No.:

FORWARDING CERTIFICATE

This is to Certify that **Name of the student**, a bonafide student of Master of Computer Application (M.C.A) at **college name**, Has carried out his project work as mentioned in this project entitled "**Project title**" at "**company name**", during his sixth semester of studies in M.C.A as a part of a curriculum for obtaining the degree of M.C.A from Chhattisgarh Swami Vivekanand Technical University, Bhilai (C.G) to which the institute is affiliated.

This Certificate Issued by the undersigned does not cover any responsibility regarding the statements made and work carried out by the concerned student.

The current dissertation is hereby being forwarded for evaluation for the purpose for which it has been submitted.

Project Coordinator (M.C.A)

College Name and details

Head of Department (M.C.A)

College Name and details

CERTIFICATE OF APPROVAL

This is to Certify that the project the entitled “**Project Title**”, carried out by “**Name of the Student**” a student of sixth semester, M.C.A. at **Name of the College**, is hereby approved after proper examination and evaluation as a creditable work for the partial fulfillment of the requirement for awarding the degree of Master of Computer Applications (M.C.A) from Chhattisgarh Swami Vivekanand Technical University, Bilai (C.G)

(Internal Examiner)

Name:
Designation:
College Name:
Date:

(External Examiner)

Name:
Designation:
College Name:
Date:

ACKNOWLEDGEMENT

I have great pleasure in the submission of this project report entitled **Project Title** for **Name of the Company** in partial fulfillment of the degree of the degree of **Master of Computer Applications**. While Submitting this Project report, I take this opportunity to thank those directly or indirectly related to project work.

I would like to thank my guide **Name of the guide in Company** who has provided the opportunity and organizing project for me. Without his active co-operation and guidance, it would have become very difficult to complete task in time.

I would like to express sincere thanks and gratitude to **Director of the College** (Director), **Principal, Head of Department**, (Computer Application).

While Submission of the project, I also like to thanks to **Project Coordinator** and the staff of **Name of the College** for their continuous help and guidance throughout the course of project.

Acknowledgement is due to our parents, family members, friends and all those persons who have helped us directly or indirectly in the successful completion of the project work.

Name of the Student

Roll No:

Enrollment: