

**DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS  
PANJAB UNIVERSITY, CHANDIGARH**

**INTERNAL GUIDES FOR FINAL PROJECT OF MCA III Year (MORNING) SESSION 2017-18**

<b>Roll No</b>	<b>Name of the Student</b>	<b>Internal Guide</b>
1	Aditi Gautam	Dr R K Singla
2	Anmol Rana	
3	Anupreet Kaur	
4	Akshay Kapoor	
5	Gaurav Sharma	
6	Gurdeep Singh	
7	Gurjant Singh	Dr Sonal Chawla
8	Gurkiran Kaur	
9	Harpreet Kaur	
10	Harshdeep Singh	
11	Kamal	
12	Kiran Sachdeva	Ms. Jasleen Kaur
13	Komal	
14	Komal Mittal	
15	Karishma Tirthani	
16	Lekha Grover	
17	Mahinder Kumar	
18	Mehak Dawra	
19	Mudita Kohli	Ms. Balwinder Kaur
20	Pawan Kumar	
21	Pooja	
22	Prabhjot Singh	
23	Rashmi Singla	
24	Ritu	
25	Ritu Dhiman	Dr. Anuj Sharma
26	Sadaf	
27	Sahil Kansal	
28	Shikha Prashar	
29	Shivangi Khurana	
30	Sonali Mehndiratta	
31	Sukhpreet Singh	Mohinder Negi
32	Sumit Kumar Sangwal	
33	Tarun	
34	Vikram Singh	
35	Yashda	

**(R K Singla)**

**INTERNAL GUIDES FOR FINAL PROJECT OF MCA III Year (EVENING) SESSION 2017-18**

<b>Roll No</b>	<b>Name of the Student</b>	<b>Internal Guide</b>
46	Anamika	Dr M Syamala Devi
47	Aniket Ahluwalia	
48	Ankita Kumari	
49	Araish Riyasat	
50	Arun Kumar	
51	Bhavana	
52	Darpan	Dr. Anu Gupta
53	Deepak Kumar Paul	
54	Diksha Gabha	
55	Diksha	
56	Diksha Chandel	
57	Gaurav Gajra	
58	Harpreet Kaur	Dr Indu Chhabra
59	Isha Verma	
60	Jaskiran Kaur	
61	Kamlesh Kumar Bhagat	
62	Karan Thukral	
63	Kulveer Kaur	
64	Kulwinder Kaur	Ms. Rohini Sharma
65	Lalit Kumar	
66	Lavleen kaur	
67	Loveleen Nagpal	
68	Mandeep Singh	
69	Manisha	
70	Manpreet Kaur	Mr. Anuj Kumar
71	Mayank Srivastava	
72	Monica Chaudhary	
73	Pallavi Satija	
74	Parul Dogra	
75	Payal Monga	
76	Prabhjot Kaur	Dr. Kavita Taneja
77	Prerna Sharma	
78	Radhika	
79	Rajat Verma	
80	Ramandeep Kaur	
81	Rupinder Kaur	
82	Sahil Kumar Verma	Ms. Supreet Kaur
83	Sakshi Thakur	
84	Sandeep Kaur	
85	Saravjeet Kaur	
86	Sunaina Yadav	
87	Vaishali Garg	
88	Varun Mehta	
89	Versha Sharma	
90	Vineet Kulria	

**(R K Singla)**

**DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS  
PANJAB UNIVERSITY, CHANDIGARH**

**(PROJECT 2017-18)**

**GENERAL GUIDELINES:**

The student, in consultation with his/her Supervisor, identifies the topic of the Project and prepares the detailed project outline/synopsis. The student carries on with the Project Work taking all the prescribed evaluation components on time. At the end of the semester, the student should submit a comprehensive Project Report to the Institute for evaluation. The student will be evaluated on the basis of the various interim evaluation components, contents of the report and the final Seminar/Viva-Voce that will be conducted at DCSA, Panjab University, Chandigarh.

**PROJECT WORK EVALUATION SCHEDULE**

No	Evaluation Component	Scheduled Last Date for the documents to reach DCSA, PU, Chandigarh
1	Name of Organisation & Tentative title of the Project with joining letter	Jan 16, 2018 (Tuesday)
2	Synopsis as per Appendix	Feb 15, 2018 (Thursday)
3	Project Progress Report 1	Mar 16, 2018 (Friday)
4	Project Progress Report 2 & Progress Evaluation Sheet	Apr 17, 2018 (Tuesday)
5	Final Project Report Submission	May 16, 2018 (Wednesday)
6	Project Viva/Presentation	May 18-25, 2018 (Tentative)

**\*\* All the students are required to submit no dues certificate from the University Library and Hostel before appearing in the Viva. (Not submitting No Dues Certificate in time can lead to delay in final declaration of Sixth Semester result.)**

**GUIDELINES FOR SYNOPSIS:**

1. The student must submit the Project Work Outline (Synopsis) containing details of proposed topic of Project Work, objectives, scope of work, background, plan of work, references and particulars of the Supervisor in terms of Name, Qualification, Designation, Employing Organization, and contact information. On the synopsis the signature of supervisor is essential.
2. The student must attach **Project Training Joining letter** in the format given on next page.
3. Final Evaluation will be based on Synopsis, Progress report, final report and Seminar/Viva.
4. Each student will be required to make a presentation for about 15 minutes, **mainly focusing on his/her contribution**, using Microsoft PowerPoint or Overhead Projector transparencies. The presentation will be followed by viva-voce for about 5-10 minutes. Students doing software development projects must be prepared to demonstrate their software product during their presentation.
5. The synopsis shall be sent by post to the:

**Internal Guide,  
Deptt. of Computer Sc. & Applications,  
Panjab University, Chandigarh, Pin code: 160014.**

6. The project work is a full time assignment and during this period the student is not allowed to do any job, not related to project.

### **Sequence of items in the Synopsis**

The following sequence of pages shall be followed in the preparation of the Synopsis:

1. Title Page (consisting of Candidates Name, roll number, year/session, name of project, Name of company in which the project is being carried out, internal Guide's name)
2. Certificate from the Supervisor (must be signed by the Company Supervisor)
3. Table of Contents
4. Project Outline (Background, scope of work, plan of work, objectives) This can be of 1-3 pages.
5. Platform to be used
6. References

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(PROJECT 2017-18)**

**GUIDELINES FOR PROGRESS REPORT:**

The MCA VIth Semester/ M.Sc. (H.S.) Comp. Sc. IVth Semester students are required to send a **Progress Report** in the formats given below latest by **16<sup>th</sup> March, 2018** to their respective internal guides. The students may email the required documents either directly to their respective guides or at [chairpersondcsa@pu.ac.in](mailto:chairpersondcsa@pu.ac.in).

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**FORMAT for Project Training Joining Letter**

Ms./Mr. \_\_\_\_\_ (name) of MCA 6<sup>th</sup> Semester/ M.Sc. (H.S.) Comp. Sc. 4th Semester, Department of Computer Science & Applications, Panjab University, Chandigarh has joined as Project Trainee in the department of \_\_\_\_\_ in \_\_\_\_\_ (company name) on \_\_\_\_\_ (date). She/he has been assigned the project entitled \_\_\_\_\_ (name of the project). She/he will be working in this organization from \_\_\_\_\_ (starting date) to \_\_\_\_\_ (last date) on this project.

Signature with Stamp  
Project Incharge/External Supervisor  
Designation  
Office Address

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**FORMAT for Progress Report**

The **Progress Report** should have the following contents:

1. Title of the project
2. Goal or Aim of the Project
3. Objectives (Details of what you are going to do to fulfill the goal)
4. Usefulness of project including who are going to use
5. Design with diagrams as required
6. Analysis
7. Tools and Techniques to be used
8. Testing procedures planned

9. Details of work done already

10. Plan of work to be done for the next month

The Progress Report should be a document file with 12 point font size for running text and 14 point for headings. It can have 8 to 10 pages.

Note: Mention **Not Applicable** against any item which is not valid in individual project scope.

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(PROJECT 2017-18)**

**GUIDELINES FOR FINAL PROJECT REPORT/VIVA:**

**I Objective of the Project Report:**

The objective of the project is to enhance the capabilities of a student in understanding theoretical concepts and applying them for complex problem solving using various state of the art tools and techniques. The project report is thus a reflection of the sincere efforts of the students in 1) understanding the problem/project title, 2) clearly stating the use and applicability of the problem, target group who will be using the project, 3) design, 4) analysis, 5) implementation, 6) testing and 7) discussion of results. The contents of the report must be well organized and to be presented in a simple and structured way. **The Final Project report should be printed and hard bounded.** The document is to be prepared in MS-Word and needs to contain the following:

- i. **Cover page** including Project title, Name of the student, Name of the Department and Names of the Project Guides (both External and Internal).
- ii. Certificate mentioning that it is the **original efforts** and work of the student and was neither submitted earlier nor copied from other reports.
- iii. Certificates from company and department duly signed by external guide, Chairman and internal guide.
- iv. Acknowledgement.
- v. Contents with page numbers.

**Cover Page:**

Title of the Project (in Capital and Bold 14 Point)

A Project report submitted in partial fulfillment of the requirements for the  
Award of the degree  
MASTER OF COMPUTER APPLICATIONS (Year)/ M.Sc. (HONS SCHOOL) COMPUTER  
SCIENCE (YEAR)

Department of Computer Science and Applications,  
Panjab University, Chandigarh

**Submitted By**

Name of the Student:  
Roll No.  
Class  
Panjab University, Chandigarh

**Submitted to:**

Name of the Guide:  
Designation:  
Department:

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<b>Chapter No:</b>	<b>Title</b>
1.	<b>Introduction</b>  Includes the background and importance of the topic, about the topic whether it is purely theoretical or involves some practical aspects and implementation on the computer system
2-4	Chapters 2 to 4 include all related aspects of the topic including details about topic, applications, examples analysis, design etc. (Depends on the topic)
5.	<b>Practical Application and Implementation</b> (includes the description of the problem taken for implementation, hardware and software requirements, Tools used, well documented listing and sample input and output with required screens.
6.	Reference (Books, Research Papers, websites etc.)



7. Appendix (includes brief about the tools used in developing the applications. The tools may be web development tools, multimedia tools, or programming language, or any other licensed/open source software tools.

**Note:**

1. Each Chapter may have 2 to 4 sections (as 2.1, 2.2 etc.) and sub –section (as 2.1.1, 2.1.2 etc.)
2. The document must be edited well and without syntax and semantic errors.
3. All the pages must be aligned properly.
4. All the pages must be numbered.
5. In reference for books, or Research Papers include author name, Title of the book, publisher, year and edition in the same order.
6. Each Chapter heading must be Centre aligned (No underlining for chapter and section headings).

## Detailed Guidelines for Report/presentation of final project of MCA/ M.Sc. (H.S.) Comp. Sc. students

- Softcopy of report and presentation must be submitted to the guide at least a week before the date of presentation
- One hardcopy of the report need be submitted in the library.
- The presentation must be based on part of work performed/contribution of the candidate in a large project rather than the company's complete project
- **The presentation must include the following:**
  - a Title of the project institution where work is performed
  - b Stipend paid to the candidate or fee paid by the candidate or neither stipend nor fee.
  - c Work done independently or jointly (if jointly then with how many co-workers)
  - d Number of hours spent daily in the company/institute/industry
  - e Abstract of the work done that is documented in the report (maximum of one page)
  - f Timeline (specifying work done in each month January to May)
  - g Explanation of the project work performed mentioning the objectives, uses, users of the project, scope and Input-process-output.
  - h High level design and detailed design of the project with relevant diagrams
  - i Hardware, Software, Platform, Tools, and Programming languages used for the development of the project
  - j Brief explanation of project implementation details mentioning the methods used with the help of sample codes
  - k Methods of testing and validation for the project
  - l Discussion of results
  - m Conclusions
  - n References
- The number of slides may be 30-50; but the presentation must be delivered in 10 minutes covering all the above details
- Note: The information with respect to b,c,d may be informed orally.

**II** The Vice-Chancellor, Panjab University, Chandigarh has made it mandatory, with immediate effect, for each student to observe the following norms while submitting the synopsis/thesis for M.Sc./M,Phil or Ph.D. or any other degree:

- (a) Use both sides of the paper instead of only single side.
- (b) Use one and half interline spacing in the text (instead of double space)
- (c) Stop using a blank sheet before the page, carrying figure or table.
- (d) Try to insert figure/table in the text page itself (instead of using a fresh page for it, each time.)

**III** Students must consult/inform the internal guides regarding the progress of their work **at least once in 20 days**. It is the duty of the student to be in touch with his internal guide. The student must prepare 4 copies of the report including one copy for self. The remaining three copies are to be submitted to:

1. Department Library
2. Internal Guide
3. Company

- If the Project is not up to the mark it may be rejected and student need to improve it and submit within one month and give the viva again.
- The report must be signed by the student, Internal Guide and the Chairperson before submission.
- Project viva will be conducted by an external examiner, internal examiner and the internal guide.

**Please Note: Not submitting Final Report and No Dues Certificate well in time can lead to delay in final declaration of Sixth Semester result.**

**(R K Singla)**

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**Confidential Progress Evaluation Sheet of  
MCA III/M.Sc. (H.S.) Comp. Sc. II students  
Session 2017-18**

(To be ***confidentially*** sent by Project Guide to Departmental Internal Project Guide by April 17, 2018)

**NAME OF THE STUDENT** : \_\_\_\_\_

**PROJECT TITLE** : \_\_\_\_\_

**EVALUATION DETAILS**

<b>Component</b>	<b>Excellent 81-99%</b>	<b>Very Good 76-80%</b>	<b>Good 61-75%</b>	<b>Satisfactory 51-60%</b>	<b>Less than Satisfactory &lt;50%</b>
Project Progress					
Subject understanding					
Discipline					
Punctuality					

**Remarks:  
(If any)**

**Date** \_\_\_\_\_

**Signature** \_\_\_\_\_  
**Name of Project Guide** \_\_\_\_\_  
**Designation** \_\_\_\_\_  
**Phone Number** \_\_\_\_\_  
**Email address** \_\_\_\_\_