



Mahavir Education Trust's  
**SHAH & ANCHOR KUTCHHI ENGINEERING COLLEGE**  
 Chembur, Mumbai - 400 088  
**UG Program in Information Technology**

<b>Academic Year</b>	2022-23				
<b>Department</b>	Information Technology				
<b>Course code</b>	9.ITM301	<b>Course Name</b>		Mini Project – 1A	
<b>Student Details</b>					
<b>Sr. No.</b>	<b>Full Name</b>	<b>Class</b>	<b>Roll No.</b>	<b>Contact No.</b>	<b>Email-Id</b>
1.	Umang Naresh Jain	SE 5	23	9372630184	umang.jain16823@sakec.ac.in
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4.	Mohit Kiran Rathod	SE 5	50	9372880318	mohit.rathod16848@sakec.ac.in
<b>Project Details</b>					
<b>Project Group No.</b>	10				
<b>Title of the Project</b>	HOTEL MANAGEMENT SYSTEM				
<b>Guide Details</b>					
<b>Guide Name</b>	Prof. Theres Bemila				
<b>Co-Guide Name (If any)</b>	Prof. Seema Jadhav				



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## **SECOND YEAR MINI PROJECT-1A LOG BOOK**

### **Mini Project –1A Course Outcomes and Mapping to Program Outcomes and Program Specific Outcomes**

<b>CO No.</b>	<b>Course Outcomes</b> By the end of the course, students should be able to	<b>Weightage (%)</b>	<b>Program Outcome No.</b>	<b>Program Specific Outcome No.</b>
1	To identify and Apply Knowledge to solve societal problems and research needs.	15	2,12	1
2	To summarize the proper inferences from available results through theoretical/ experimental/simulations.	15	2,4	1
3	To acquire interpersonal Skills, capabilities of self-learning in a group, or as a member or a leader which leads to lifelong learning.	15	9,12	1,2
4	To apply standard norms of engineering practices to Analyse the impact of solutions in societal and environmental contexts for sustainable development.	10	7,8	1,2
5	To develop written and oral communication skills.	25	10,12	1
6	To demonstrate project management principles during project work.	20	10,11,12	1,2



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**Project to Program Outcome and Performance Indicator Mapping with Correlation Level**

Program Outcome Number	Performance Indicator PI(2,4,7,8,9,10,11,12)	Correlation Level (1- Slightly 2-Moderately 3- Strongly)
PO1	-	-
PO2	2.1,2.2.3,2.2.4	3
PO3	-	-
PO4	4.3.3	1
PO5	-	-
PO6	-	-
PO7	7.1.2,7.2.1,7.2.2	3
PO8	8.1.1	1
PO9	9.2.2,9.2.3,9.3.1	-
PO10	10.2.2,10.3.1,10.3.2	3
PO11	11.3.1,11.3.2	2
PO12	12.1.2,12.12.2.2,12.3.2	3

**Project to Program Specific Outcome Mapping with Correlation Level**

Program Specific Outcome Number	PSO1	PSO2
Correlation Level (1- Slightly      2-Moderately      3- Strongly)	3	2



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## List of Program Outcomes

Engineering Graduates will be able to,

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusion using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solution for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



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### **List of Program Specific Outcomes**

PSO 1: The Information Technology graduates can analyse, design, develop, test and apply management principles, mathematical foundations in the development of IT based solutions for real world and open-ended problems.

PSO 2: The Information Technology graduates can perform various roles in creating innovative career paths: to be an entrepreneur, a successful professional, pursue higher studies with realization of moral values & ethics.

### **Rubrics Assessment of Mini Project: Term Work:(25 marks)**

The review/ progress monitoring committee shall be constituted by head of departments of each institute. The progress of mini project to be evaluated on continuous basis, minimum two reviews in each semester.

In continuous assessment focus shall also be on each individual student, assessment based on individual's contribution in group activity, their understanding and response to questions.

Distribution of Term work marks for both semesters shall be as below;

- Marks awarded by guide/supervisor based on log book: 10
- Marks awarded by review committee: 10
- Quality of Project report: 05



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## Weekly Attendance Report of Mini Project- 1A

SN.	Week No.	Date	Umang Signature	Shreya Signature	Sarvesh Signature	Mohit Signature	Guide Signature	Co-Guide Signature (if any)
1	1	25/1/23						
2	2	1/2/23						
3	3	8/2/23						
4	4	15/2/23						
5	4	22/2/23						
6	1	1/3/23						
7	2	8/3/23						
8	4	29/3/23						
9	1	5/4/23						
10	2	12/4/23						



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## Weekly Progress Report of Mini Project- 1A

<b>Week No.</b>	<b>1</b>	<b>Date</b>	<b>25/1/23</b>	<b>Meeting No.</b>	<b>1</b>
<b>Task:</b> Discussion on the research papers					
<b>Project Work Done / Progress Achieved</b>	Made the PPT.				
<b>Next Week Task</b>	Research about other Management Systems				
<b>Guide(s) Suggestions / Comments</b>	She suggested us to read more research papers.				
<b>Guide(s) Signature &amp; Date</b>					

<b>Week No.</b>	<b>2</b>	<b>Date</b>	<b>1/2/23</b>	<b>Meeting No.</b>	<b>2</b>
<b>Task:</b> Analyse the login page of the system.					
<b>Project Work Done / Progress Achieved</b>	Completed all the necessary components of the System.				
<b>Next Week Task</b>	Complete the implementation and change the structure of the data flow.				
<b>Guide(s) Suggestions / Comments</b>	She suggested us to study similar management systems.				
<b>Guide(s) Signature &amp; Date</b>					



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<b>Week No.</b>	<b>3</b>	<b>Date</b>	<b>8/2/23</b>	<b>Meeting No.</b>	<b>3</b>
<b>Task: To check the flow of data and Implementation.</b>					
<b>Project Work Done / Progress Achieved</b>	<b>Half Implementation of the Project.</b>				
<b>Next Week Task</b>	<b>Complete the Implementation.</b>				
<b>Guide(s) Suggestions / Comments</b>	<b>Check the flow of data in the backend and try to make some changes.</b>				
<b>Guide(s) Signature &amp; Date</b>					

<b>Week No.</b>	<b>4</b>	<b>Date</b>	<b>15/3/23</b>	<b>Meeting No.</b>	<b>4</b>
<b>Task: Show the full Implementation of the Project.</b>					
<b>Project Work Done / Progress Achieved</b>	<b>Made some changes in the flow of the system.</b>				
<b>Next Week Task</b>	<b>Finalize the System flow.</b>				
<b>Guide(s) Suggestions / Comments</b>	<b>First decide the things and then start working on the system.</b>				
<b>Guide(s) Signature &amp; Date</b>					





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<b>Week No.</b>	<b>4</b>	<b>Date</b>	<b>22/2/23</b>	<b>Meeting No.</b>	<b>5</b>
<b>Task: Show the full Implementation of the Project.</b>					
<b>Project Work Done / Progress Achieved</b>	Slove some errors occurred during the implementation.				
<b>Next Week Task</b>	Complete the implementation.				
<b>Guide(s) Suggestions / Comments</b>	Check the code for minor errors.				
<b>Guide(s) Signature &amp; Date</b>					

<b>Week No.</b>	<b>1</b>	<b>Date</b>	<b>1/3/23</b>	<b>Meeting No.</b>	<b>6</b>
<b>Task: Show the full Implementation of the Project.</b>					
<b>Project Work Done / Progress Achieved</b>	Started working on the logbook				
<b>Next Week Task</b>	Work on the report				
<b>Guide(s) Suggestions / Comments</b>	Logbook needs to have all details.				
<b>Guide(s) Signature &amp; Date</b>					



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<b>Week No.</b>	<b>2</b>	<b>Date</b>	<b>8/3/23</b>	<b>Meeting No.</b>	<b>7</b>
<b>Task:</b> Show the full Implementation of the Project.					
<b>Project Work Done / Progress Achieved</b>	Logbook is completed.				
<b>Next Week Task</b>	Complete the report.				
<b>Guide(s) Suggestions / Comments</b>	Try to add all the points related to our Hotel Management System into the report.				
<b>Guide(s) Signature &amp; Date</b>					

<b>Week No.</b>	<b>4</b>	<b>Date</b>	<b>29/3/23</b>	<b>Meeting No.</b>	<b>8</b>
<b>Task:</b> Show the full Implementation of the Project.					
<b>Project Work Done / Progress Achieved</b>	.Made changes in the report.				
<b>Next Week Task</b>	Complete the changes in the report.				
<b>Guide(s) Suggestions / Comments</b>	Try to add all the points related to our Hotel Management System into the report.				
<b>Guide(s) Signature &amp; Date</b>					



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<b>Week No.</b>	<b>1</b>	<b>Date</b>	<b>5/4/23</b>	<b>Meeting No.</b>	<b>9</b>
<b>Task: Show the full Implementation of the Project.</b>					
<b>Project Work Done / Progress Achieved</b>	Project is running after making all the changes.				
<b>Next Week Task</b>	Complete the Project implementation.				
<b>Guide(s) Suggestions / Comments</b>	Try to Minimize the complexity of the project.				
<b>Guide(s) Signature &amp; Date</b>					

<b>Week No.</b>	<b>2</b>	<b>Date</b>	<b>12/4/23</b>	<b>Meeting No.</b>	<b>10</b>
<b>Task: Show the full Implementation of the Project.</b>					
<b>Project Work Done / Progress Achieved</b>	Project is running.				
<b>Next Week Task</b>	Complete full implementation.				
<b>Guide(s) Suggestions / Comments</b>	Try to add more functions into the system.				
<b>Guide(s) Signature &amp; Date</b>					



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### Attachment(s)

1. <https://ieeexplore.ieee.org/document/9603871>
2. <https://ieeexplore.ieee.org/document/8806321>
3. <https://ieeexplore.ieee.org/document/9793062>
4. <https://ieeexplore.ieee.org/document/9002651>

### Project Related Activities

1) Paper Publication/Paper Presentation

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2) Project Competition

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3) Poster Presentation

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### Instructions

- Students are required to use this log book throughout the duration of the Project. This book must be filled in as the project is going on. All relevant findings and activities must be recorded weekly and then shown to their guide(s). Among the relevant information to be recorded include:
  - Project title, objectives, scope and work plan
  - Project progress
  - Project preparation, problems and suggested solutions
  - Relevant references from journals, websites, books etc.
  - Tools/Equipments used including circuit or schematic diagrams
  - Suggestions, assignment and discussions results from supervisors
  - Summary of any relevant work that has been done
- The students' logs as recorded in their log book represent the state of the completion of the Project. Internal guides are required to verify and grade the log entries at every student-guide meetings.
- Students must record the date, time, place and signature when meeting anyone or doing any activities related to the project.
- Project activities must be written at the appropriate weekly activities section in this log book. A summary of all the weekly activities must also be written at the appropriate section. These logs will be graded by the guide every week.
- It is compulsory to have a regular meeting with his/her guide. Failing to do so, the allocated marks will be reflected regardless of the outcome of the project.

#### Log book

- Use a ring binder for the log book.
- All printed papers should be paged accordingly.
- Any results (experimental results or simulation) can be printed and kept as an attachment. The page number should be mentioned in the weekly progress report.
- The weekly progress report should be recorded every week and any attached-printed results can be put after the weekly progress Report.