

In-House training, Industrial training, and Project work

Due to the second wave of Covid-19, all the students are at their respective home place, the students must complete their respective In-House training, Industrial training and Project work, which is the mandatory course requirement in order to get Diploma and Degree. For this, the department has planned certain topics. The students must write Project Reports in the prescribed format. The report in the pdf format must be submitted to their respective Guides and Course Counselors in a time bound manner.

Imp Note:

For ICD final year and Degree final year, the students will submit the Project Reports to their respective Project Guides. The Project Guides after checking the reports will then submit the Reports to respective Class Counselors. The Class Counselors will further submit the Project reports to respective Diploma Coordinator and Degree Coordinator for conducting the final Viva-Voce. The Project Guides have already been allotted in a separate departmental order.

For ICD 1st year, ICD 2nd year, Degree 1st year, Degree 2nd year, Degree 3rd year, the students will submit the Project Reports directly to their Class Counselors.

Project Report in lieu of In-House Training of ICD First Year	
Batch	ICD-CFP-DFT-2K20
Semester	III A
Subject Code	TP-201
Subject Title	Two weeks Practical Training during Summer Vacations (In-House Training)

Imp Note: The student can select any one topic from Sr. No. 1 under various sub-headings. The topic at Sr. No. 2 is mandatory in the project report.

Sr. No.	Topics	Chapters of Project Report
1 A	Draw the diagrams of various types of glassware used in laboratories of Food Engineering and Technology Department. What are the experiments in which these glass wares can be used?	<ol style="list-style-type: none"> 1. Introduction 2. Theoretical Considerations 3. Summary 4. References
1 B	List the name of equipment(s) and explain the equipment(s) used in carrying out experiments in various labs (at least 20 equipment to be covered) of Food Engineering and Technology Department. Write the operating instructions of equipment(s) with well labelled diagrams? What are the experiments in which they can be used?	
1 C	How the sanitation and cleanliness can be maintained while working in various laboratories of Food Engineering and Technology Department? What are various measures which can be taken to ensure cleanliness inside the laboratories? Write precautions to be taken while working inside the laboratories?	
2	Give your suggestions and ideas in maintaining physical distance in a triple seated hostel rooms. Identify touch points in rooms, corridor, mess, common places like TV room, reading room, sports room, main gate of Hostel etc. Suggest methods to minimize the touch in all these places and preventive measures, which could be taken to prevent the spread of infection. Recommend the means to sanitize these touch points on daily basis.	

*Department of Food Engineering and Technology
Sant Longowal Institute of Engineering & Technology*

General Guidelines for Writing the Report	
Front page	Project Name, Course Code, Course Title, Student Name, Registration No., Institute Logo, Department Name, Institute Name and Address
Second Page	Certificate
Third Page	Acknowledgement, Table of Contents, Chapters of Report as suggested above, each chapter to start with new page
In the End	References and Appendix (if Required).
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Project Report in lieu of Industrial Training of ICD Second Year	
Batch	ICD-CFP-DFT-2K19
Semester	V A
Subject Code	TP-301
Subject Title	Four Weeks Industrial Training during Summer Vacations

Imp Note: The student can select any one topic from Sr. No. 1 under various sub-headings. The topic at Sr. No. 2 is mandatory in the project report.

Sr. No.	Topics	Chapters of Project Report
1 A	How will you set up Quality Control and Food Analytical Laboratory for Potato Processing Plant ? Prepare a detailed report?	1. Introduction 2. Theoretical Considerations (3. Summary 4. References
1 B	How can you set up a Sugarcane juice processing facility to produce jaggery? Draw the plant layout and design the processing plant accordingly along with economic considerations. Prepare a detailed report?	
1 C	List the name of equipment(s) and explain the all the equipment(s), which can be used in carrying out the processing work in Pilot Plant or analytical equipment present in various labs of Food Engineering and Technology Department? Write the operating instructions of all the equipment?	
2	Give your suggestions and ideas in maintaining physical distance in a triple seated hostel room. Identify touch points in room, corridor, mess, common places like TV room, reading room, sports room, main gate of hostel etc. Suggest methods to minimize the touch in all these places and preventive measures, which could be taken to prevent the spread of infection. Recommend the means to sanitize these touch points on daily basis.	

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Project Report of ICD Final Year	
Batch	ICD-CFP-DFT-2K18
Semester	VI
Subject Code	FT-325
Subject Title	Project

Imp Note: The guides to the students have already been allotted earlier in a separate departmental order. All the students have already selected the topic in consultation with their guide.

Sr. No	Topics	Chapters of Project Report
1.	The students working on the topic selected in consultation with his/her guide.	1. Introduction 2. Review of Literature 3. Materials and Methods/ Methodology 4. Theoretical Considerations (This chapter only if working on certain calculations, design etc.) 5. Summary and Conclusion 6. References
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Project Report in lieu of In-House Training of Degree First Year	
Batch	GFT-2K20
Semester	II B
Subject Code	TPIN-421
Subject Title	Practical Training during Summer Vacations 02 Weeks (In-House Training)

Imp Note: The student can select any one topic from Sr. No. 1 under various sub-headings. The topic at Sr. No. 2 is mandatory.

Sr. No.	Topics	Chapters of Project Report
1 A	How the sanitizers can be made in the departmental laboratory for effective sanitization of hands? Prepare a detailed report about the possible sources of contamination in our day to day life and what are various ways to reduce the contamination in our daily life?	1. Introduction 2. Review of Literature 3. Theoretical Considerations 4. Summary and Conclusion 5. References
1 B	How virus differs from bacteria and fungus? Explain the morphological and all other characteristics of virus? What are the current treatment of viral diseases?	
1 C	What are the difficulties the scientists and research workers face while preparing the vaccine and treatments of COVID 19? What is your approach towards finding possible treatments of COVID 19? What are various vaccines for COVID 19 which are available at present?	
2	Give your suggestions and ideas in maintaining physical distance in a triple seated hostel room. Identify touch points in room, corridor, mess, common places like TV room, reading room, sports room, main gate of hostel etc. Suggest methods to minimize the touch in all these places and preventive measures, which could be taken to prevent the spread of infection. Recommend the means to sanitize these touch points on daily basis.	

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Project Report in lieu of Industrial Training of Degree Second Year	
Batch	GFT-2K19
Semester	IV B
Subject Code	TPID-521
Subject Title	Industrial Training 02 Weeks

Imp Note: The student can select any one topic from Sr. No. 1 under various sub-headings. The topic at Sr. No. 2 is mandatory in the project report.

Sr. No.	Topics	Chapters of Project Report
1 A	How will you set up Quality Control and Food Analytical Laboratory for Tomato Processing Plant making tomato paste? Prepare a detailed report?	1. Introduction 2. Review of Literature 3. Theoretical Considerations 4. Summary and Conclusion 5. References
1 B	How will you set up a Carbonated Beverage Plant facility? Draw the plant layout and design the Plant accordingly with economic considerations. Prepare a detailed techno-economic feasibility report?	
1 C	Discuss any one agro based business idea for start-up , which you think will be highly profitable when implemented. Prepare a detailed techno-economic feasibility project report on it.	
2	Give your suggestions and ideas in maintaining physical distance in the Lecture rooms and Departmental laboratories . Identify touch points in Lecture rooms, corridors, railings of stairs, common places like water coolers, washrooms etc. Suggest methods to minimize the touch in all these places and preventive measures, which could be taken to prevent the spread of infection. Recommend the means to sanitize these touch points on daily basis after the end of classes.	

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Project Report in lieu of Industrial Training of Degree Third Year	
Batch	GFT-2K18
Semester	VI B
Subject Code	TPID-621
Subject Title	Industrial Training 04 Weeks

Imp Note: The student can select any one topic from Sr. No. 1 under various sub-headings. The topic at Sr. No. 2 is mandatory in the project report.

Sr. No.	Topics	Chapters of Project Report
1 A	How will you set up Quality Control and Food Analytical Laboratory particularly for Microbiological Tests in a Meat Processing Plant ? How one can minimize the risks of pathogens like bacteria and particularly virus during handling and processing operations? Prepare a detailed report.	1. Introduction 2. Review of Literature 3. Theoretical Considerations 4. Summary and Conclusion 5. References
1 B	How will you set up a Bread production Plant facility? Draw the plant layout and design the plant accordingly. Prepare a detailed techno-economic feasibility report.	
1 C	Which according to you will be the most profitable food processing project in your region? Prepare a detailed techno-economic feasibility report of the project.	
2	Give your suggestions and ideas in maintaining physical distance in the Lecture rooms and Departmental laboratories . Identify touch points in Lecture rooms, corridors, railings of stairs, common places like water coolers, washrooms etc. Suggest methods to minimize the touch in all these places and preventive measures, which could be taken to prevent the spread of infection. Recommend the means to sanitize these touch points on daily basis after the end of classes.	

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Project Report of Degree Final Year	
Batch	GFT-2K17
Semester	VIII
Subject Code	FTP-725
Subject Title	Project

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Sr. No.	Topics	Chapters of Project Report
1	The students working on the topic selected in consultation with his/her guide.	<ol style="list-style-type: none"> 1. Introduction 2. Review of Literature 3. Materials and Methods/ Methodology 4. Theoretical Considerations (This chapter only if working on certain calculations, design etc.) 5. Summary and Conclusion 6. References

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