Bansilal Ramnath Agarwal Charitable Trust’s

**Vishwakarma Institute of Information Technology, Pune-48** (An Autonomous Institute affiliated to Savitribai Phule Pune University) **Department of Information Technology**

**Final Year Project Work Guidelines B.Tech. (Information Technology)**

**2018 Course**

# (With effect from Academic Year 2021-22)

| Project Title | : | Aegle Clinic Health Application |
| --- | --- | --- |
| Project Area | : | Android and Web Application Development |
| Internal Guide | : | Prof. Pawan Wawage |
| Sponsoring Industry | : | Aegle Clinic |

**SYLLABUS**

**Project Work** (**ITUA41176)**

**Examination Scheme:**

Continuous evaluation: 100 Marks

PR/OR:50 Marks

| **Course Objectives:**   1. To apply SDLC and meet the objectives of proposed development or research work 2. To test rigorously before deployment of work in objective 1 3. To validate the work undertaken during objective 1 and 2 4. To consolidate the development or research work as project report. |
| --- |
| **Course Outcomes:**  On completion of the course, student will be able to–   1. Produce evidence of independent investigation 2. Analyze the results and their interpretation intensively and critically. 3. Report and present the original results in an orderly way and placing the open questions in the right perspective. 4. Link techniques and results from literature as well as actual research and future research lines with the research. 5. Appreciate practical implications and constraints of the specialist subject |
| **Guidelines**  The student shall complete the work of the Project which will consist of problem statement, literature review, SRS, Model and Design, Selection of Technology and Tools, Installations, UML implementations, testing, Results, performance discussions using data tables per parameter considered for the improvement with existing/known algorithms/systems and comparative analysis and validation of results and conclusions. The candidate shall deliver a presentation on the advancement in Technology pertaining to the selected project topic. The examinee will be assessed by a panel of examiners of which one is necessarily an external examiner. The assessment will be broadly based on work undergone, content delivery, presentation skills, documentation, question- answers and report. The student shall prepare and submit the report of Project work in standard  format for satisfactory completion of the work that is duly certified by the concerned guide and head of the Department/Institute. |

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**UNDERTAKING BY STUDENTS**

We, the students of BTech I.T. hereby assure that we will follow all the rules and regulations of VIIT related to the project work for the academic year **2021-22, semester 8**. The Project entitled

**Aegle Clinic Health Application**

will be fully designed and developed by us and no part of the project/ full project will be designed and developed by any external entity or copied from some external resources. We are fully aware that copying or taking help of any external agency in the development of our project is totally unethical and illegal. The examiners have / University has full rights to initiate an action against us as per University norms if involved in unfair/ illegal/ unethical work.

| Sr No | Name | Gr No | Roll No |
| --- | --- | --- | --- |
| 1 | Anuj Dube | 21810299 | 433042 |
| 2 | Sangram Shinde | 21810248 | 433003 |
| 3 | Aniruddha Ghadge | 21810708 | 433055 |
| 4 | Roshan Wazare | 21810420 | 433054 |

**Rules & Regulations**

#### All students must enter the correct information in the work book.

1. All the entries in the project workbook must be verified by the concerned project guide.
2. Students must report to their respective guide on project day as per the time table.
3. Activities of the project work should be completed as per the project plan only.
4. Project group must submit soft copies of Project Abstract, Project Report and Publications in PDF format only.
5. Project group members submit **two** hard copies of Project Report in the format provided by the department.
6. Project work books must be brought at the time of Project Reviews & Project Examination.
7. Any changes, if any, must be countersigned by the concerned project guide.
8. For project reviews and project examination, all students must report 15 minutes before the scheduled time.
9. For any query, a concerned guide should be consulted.

**PROJECT WORK SCHEDULE**

| **Sr.**  **No.** |  | **Date** |
| --- | --- | --- |
|  | | |
| 1. | Registration of Project Groups | **Week 1** |
| 2. | Allocation of Guide and Project Topic Submission | **Week 2** |
| 3. | Submission of Abstract to Project Guide and Project Coordinator in the Prescribed Format | **Week 3** |
| 4. | Project Review – 0 (For topic and scope finalization) | **Week 4** |
| 5. | Project Review - I | **Week 7** |
| 6. | Project Review - II | **Week 10** |
| 7. | Verification of Project Work Book By Internal Guide (before submission of Preliminary Project Report) | **Week 11** |
| 8. | Submission of Final Preliminary Project Report in Prescribed Format | **Week 12** |
|  | External Term-work Evaluation | **As per Institute**  **Schedule** |
|  | | |

**BTECH PROJECT GROUP DETAILS**

**(Academic Year:2021-22 Sem:8)**

**Project Group No:15**

**Project Title:** Aegle Clinic Health Application

| Sr No | Name | Gr No | Roll No |
| --- | --- | --- | --- |
| 1 | Anuj Dube | 21810299 | 433042 |
| 2 | Sangram Shinde | 21810248 | 433003 |
| 3 | Aniruddha Ghadge | 21810708 | 433055 |
| 4 | Roshan Wazare | 21810420 | 433054 |

Name & Signature Internal Guide

Name & Signature of External Guide

Signature of Head of

Department

Mobile No. : Email id:

Mobile No. :

Email id: Company Name :

Departmet of Information

Technology

**Final Year BTech Project - Abstract (Academic Year:2021-22 Sem:8)**

| **Project Title:** Aegle Clinic Health Application | | | |
| --- | --- | --- | --- |
| **Project Group No: C1** | | **Guide Name:** Prof. Pawan Wawage | |
| **GROUP MEMBERS:** | | | |
| **Name of Student** | **Roll No./ Seat No.** | **Project Area** | **Project Platform** |
| Anuj Dube | 21810299 | Web  Application Development | React and Firebase |
| Sangram Shinde | 21810248 | Android  Application Development | kotlin and firebase |
| Aniruddha Ghadge | 21810708 | Android  Application Development | kotlin and firebase |
| Roshan Wazare | 21810420 | Web  Application Development | React and Firebase |
| **Abstract:**  The prime objective of creating “Aegle Health App” is to create a fully-fledged application to facilitate both the doctor and the patient. This would be an app which can be used for Tele Consulting in the domain of healthcare by Aegle Clinic. It connects Doctor and Patient using an app and patients can search for a Doctor and book his/her appointment or prescription using their Smartphone. There is a dashboard for Doctors from which they can see the previous history of a particular patient and can prescribe on the basis of the history of the patient. The main objective of this project is connecting doctor and patient very quickly and easily from any location without any involvement of any third party. Any doctor of Aegle Clinic and patient can easily use this application by registering themselves, and doctors can diagnose the patient and prescribe the required medicines. This system also notifies the Doctor and patient through the app about the doctor’s appointment and prescription within the shortest possible time. The patients and the doctors will get access to various features such as consultation, monitoring health parameters, emergency backup, appointment booking, reminders of important dates, etc | | | |

**Weekly Planning Sheet**

**Academic Year:2021-22 Sem:8**

| **Week No.** | **Activity Planned** | **Activity Completed Status** | **Guide**  **Signature** |
| --- | --- | --- | --- |
| **Week 1** | User Interface Designing, Wireframing and Prototyping | Completed |  |
| **Week 2** | User Interface Designing, Wireframing and Prototyping | Completed |
| **Week 3** | Implementation of frontend for both android and web app | Completed |
| **Week 4** | Implementation of frontend for both android and web app | Completed |
| **Week 5** | Implementation of frontend for both android and web app | Completed |  |
| **Week 6** | Designing Backend Architecture | Completed |
| **Week 7** | Learning some concepts about backend | Completed |
| **Week 8** | Backend Implementation | Completed |
| **Week 9** | Backend Implementation | Completed |  |
| **Week 10** | Database Connectivity - Firebase | Completed |
| **Week 11** | Bug Fixing | Completed |
| **Week 12** | Testing | Completed |

Project Coordinator Internal Guide

**\*\*Use of Project Management tools is recommended for maintaining the log of daily activities as well.**

**Project Log Book for Actual work done**

| **Week No.** | **Date of Meeting** | **Activity Completed Status** | **Plan for the**  **next week** | **Remarks by the Guide** | **Guide Signature** |
| --- | --- | --- | --- | --- | --- |
| 1 |  | User Interface Designing, Wireframing and Prototyping | User Interface Designing, Wireframing and Prototyping |  |  |
| 2 |  | User Interface Designing, Wireframing and Prototyping | Implementation of frontend for both android and web app |  |
| 3 |  | Implementation of frontend for both android and web app | Implementation of complete frontend |  |
| 4 |  | Implementation of frontend | Implementation of frontend |  |
| 5 |  | Implementation of frontend | Learning and Understanding few concepts of Backend |  |  |
| 6 |  | Learning and Understanding few concepts of Backend | Backend Architecture |  |
| 7 |  | Backend Architecture | Backend Implementation |  |
| 8 |  | Backend Implementation | Backend Implementation |  |
| 9 |  | Backend Implementation | Connecting Database - Firebase |  |  |
| 10 |  | Connecting Database - Firebase | Bug Fixing |  |
| 11 |  | Bug Fixing | Testing |  |
| 12 |  | Testing | - |  |

Project Coordinator Internal Guide

**\*\* At least 1 meeting must be conducted with the guide every week. Use of Project Management tools is recommended for maintaining the log of daily activities as well. The regular communication with the Guide is expected through mails/ WhatsApp groups.**

**Final Year BTech Project - Title Finalization review report (Academic Year: 2020-21, Sem:8)**

| **Project Title:** Aegle Clinic Health Application | | | |
| --- | --- | --- | --- |
| **Project Group No.:** 15 | | **Guide Name :**Prof. Pawan Wawage | |
| **GROUP MEMBERS:** | | | |
| **Name of Student** | **Roll No./ Seat No.** | **Project Area** | **Project Platform** |
| Anuj Dube | 21810299 | Web  Application Development | React and Firebase |
| Sangram Shinde | 21810248 | Android  Application Development | kotlin and firebase |
| Aniruddha Ghadge | 21810708 | Android  Application Development | kotlin and firebase |
| Roshan Wazare | 21810420 | Web  Application Development | React and Firebase |
| **Project Category: 1. Industry Sponsored** | | | |
| **Industry Details:**   1. Name of the Hospital: Aegle Clinic 2. Website: https://www.aegleclinic.com/ | | | |
| **Is the project title finalized: Y** | | | |
| **Is the project scope appropriate? Y** | | | |
| **Is the project abstract finalized: Y** | | | |
| **Any other Suggestions/ Remark:** | | | |
| **Name and Sign of Reviewer1:**  **Name and Sign of Reviewer2:**  **Name and Sign of Reviewer3:** | | | |

**Final Year BTech Project – REVIEW-I report (Academic Year:2021-22 Sem:8)**

| **Group Id:** | | C1 | | **Date: 19/04/2022** |
| --- | --- | --- | --- | --- |
| **Project Title: Aegle Clinic Health Application** | | | | |
| **Sr.No.** | **RollNo.** | **Student Name** | **Contact Details** | **Internal / External Guide Details** |
| **1** | 433042 | Anuj Dube | 9370039791 | **Guide Name:** Prof. Pawan Wawage |
| **2** | 433003 | Sangram Shinde | 93593 09901 |
| **3** | 433055 | Aniruddha Ghadge | 93700 54228 |
| **4** | 433054 | Roshan Wazare | 86691 82436 |

| **PROJECT STATEMENT** | |
| --- | --- |
| 1. Is the statement short and concise (10-20 words maximum)? | YES |
| 2. Does the statement gives clear indication about what your project will  accomplish? | YES |
| 3. Can a person who is not familiar with the project understand the scope of the project by reading the Project Problem Statement? | YES |
| **REQUIREMENT: SCOPE AND OBJECTIVES** | |
| Does the Scope and Objectives establish the "context" for the proposed project by referencing to the following elements: | YES |
| a. Are all aspects of the requirements document (i.e., Functional Spec.) addressed in the design? | YES |
| b. Is the architecture / block diagram well defined and understood? | YES |
| c. The project's objective of study (what product, process, resource etc.) is being  addressed? | YES |
| d. The project's purpose: is the purpose of the project addressed properly (why it's being pursued: to evaluate, reduce, increase, etc.)? | YES |
| e. The project's viewpoint: Is the project’s viewpoint understood? (Who is the project's end user)? | YES |
| f. Is the project goal statement in alignment with the sponsoring organization’s business goals and mission? | YES |
| **ANALYSIS** | |
| 1. Is information domain analysis complete, consistent and accurate? | YES |
| 2. Is the problem statement categorized in the identified area and targeted towards a specific area therein? | YES |
| 3. Are external and internal interfaces properly defined? | YES |
| 4. Does the Use Case Model properly reflects the actors and their roles and | YES |

| responsibilities? |  |
| --- | --- |
| 5. Are all requirements traceable to system level? | YES |
| 6. Is a similar type of methodology / model used for existing work? | YES |
| 7. Are requirements consistent with schedule, resources and budget? | YES |

| **DESIGN** | |
| --- | --- |
| 1. Are requirements reflected in the system architecture? | YES |
| 2. Does the design support both project (product) and project goals? | YES |
| 3. Does the design address all the issues from the requirements? | YES |
| 4. Is effective modularity achieved and modules are functionally independent? | YES |
| 5. Are structural diagrams (Class, Object, etc.) well defined and understood? | YES |
| 6. Are all class associations clearly defined and understood? (Is it clear which classes provide which services)? | YES |
| 7. Are the classes in the class diagram clear? (What do they represent in the architecture design document?) | YES |
| 8. Is inheritance appropriately used? | YES |
| 9. Are the multiplicities in the use case diagram depicted in the class diagram? | YES |
| 10. Are behavioral diagrams (use case, sequence, activity, etc.) well defined and  understood? | YES |
| 11. Is aggregation/containment (if used) clearly defined and understood? | YES |
| 12. Does each case have clearly defined actors and input/output? | YES |
| 13. Is all concurrent processing (if used) clearly understood and reflected in the sequence diagrams? | YES |
| 14. Are all objects used in sequence diagrams? | YES |
| 15. Does the sequence diagram match the class diagram? | YES |
| 16. Do the symbols used in all diagrams correspond to UML standards? | YES |

**STUDENT PERFORMANCE EVALUATION**

| **Students’ Contribution and Performance** | | | | |
| --- | --- | --- | --- | --- |
| **Particulars** | **Marks(50M)** | | | |
| **Group Members** | | | |
| 1 | 2 | 3 | 4 |
| System Architecture & Literature Survey | Y/N | Y/N | Y/N | Y/N |
| 1. Background and Topic (5 M) |  |  |  |  |
| 2. Project Scope and Objectives (5M) |  |  |  |  |
| 3. Literature Survey (5 M) |  |  |  |  |
| 4. Project Design (10 M) |  |  |  |  |
| 5. Methodology /Algorithms and Project Features (5 M) |  |  |  |  |
| 6. Project Planning (3 M) |  |  |  |  |
| 7. Basic Implementation (5 M) |  |  |  |  |
| 8. Presentation Skills ( 5 M) |  |  |  |  |
| 9. Question and Answer (5 M) |  |  |  |  |
| 10. Summarization of ultimate findings of the Project (2M) |  |  |  |  |
| **Total(50M)** |  |  |  |  |
| **Comments (if any)** | | | | |

# To be filled by internal guide & reviewer(s) only.

* Whether the presentation / evaluation is as per the schedule. : YES / NO (If NO mention the reasons for the same.)

**Review – II: Deliverables**

* + Problem Statement / Title
  + Abstract
  + Introduction
  + Literature Survey (comparison with existing system)
  + Methodology
  + Design / algorithms / techniques used
* Modules Split-up
* Proposed System
* Software Tools / Technologies to be used
* Proposed Outcomes
* Project Plan 2.0

Name & Signature of evaluation committee -

Name of Reviewer 1 Name of Reviewer 2 Name of Internal Guide

**Final Year BTech Project – REVIEW-II report (Academic Year: 2021-22 Sem:8)**

| **Group Id:** | | C1 | | **Date: 19/04/2022** |
| --- | --- | --- | --- | --- |
| **Project Title:** Aegle Clinic Health Application | | | | |
| **Sr.No.** | **RollNo.** | **Student Name** | **Contact Details** | **Internal / External Guide Details** |
| **1** | 433042 | Anuj Dube | 93700 39791 | **Guide Name :** Prof. Pawan Wawage |
| **2** | 433003 | Sangram Shinde | 93593 09901 |
| **3** | 433055 | Aniruddha Ghadge | 93700 54228 |
| **4** | 433054 | Roshan Wazare | 86691 82436 |

| **REVIEW – II : IMPLEMENTATION AND TESTING 50 Marks** | |
| --- | --- |
|  | |
| **IMPLEMENTATION (SOURCE CODE REVIEW CHECKLIST)** | |
| **a. Structure** |  |
| 1. Does the code completely and correctly implement the design? | YES |
| 2. Does the code comply with the Coding Standards? | YES |
| 3. Is the code well-structured, consistent in style, and consistently formatted? | YES |
| 4. Does the implementation match the design? | YES |
| 5. Are all functions in the design coded? | YES |
| **b. Documentation** |  |
| 1. Is the code clearly and adequately documented? | NA |
| 2. Are all comments consistent with the code? | NA |
| **TESTING** | |
| 1. Is every feature tested? | YES |
| 2. Are all functions, user screens and navigation tested? (e.g. module, object, integration, usability, system) | YES |
| 3. Are test cases designed? (manual) | YES |
| 4. Is testing tool used? | NA |
| 5. Is result analysis done properly and appropriate conclusion drawn? | YES |
| 6. Implementation status (code completion in percentage) | 85% |
| 7. Final thesis status (in percentage) | 85% |

**FILL IN BRIEF**

Final results are known or not? :

Quality of Presentation :

List the chapter numbers of final report :

Project Completion Date :

Final Report Submission Date :

**General**

Is the LOG BOOK of project up-to-date and signed?

**STUDENT PERFORMANCE EVALUATION**

| **Students’ Contribution and Performance** | | | | |
| --- | --- | --- | --- | --- |
| **Particulars** | **Marks(50M)** | | | |
| **Group Members** | | | |
| 1 | 2 | 3 | 4 |
|  | Y/N | Y/N | Y/N | Y/N |
| 1. Architecture / System Design -(if any modification) |  |  |  |  |
| 2. 100 % Implementation (10M) |  |  |  |  |
| 3. Testing, Results and Performance Evaluation (10M) |  |  |  |  |
| 4. Presentation skills (5M) |  |  |  |  |
| 5. Question and Answer ( 5M) |  |  |  |  |
| 6. Summarize the methodologies / Algorithms implemented (5M) |  |  |  |  |
| 7. Final Project Report (10M) |  |  |  |  |
| 8. Publications/ Industry certificate ( 5M) |  |  |  |  |
| **Total(50M)** |  |  |  |  |
| **Comments (if any)** | | | | |

# To be filled by internal guide & reviewer(s) only.

* Whether the presentation / evaluation is as per the schedule. : YES / NO (If NO mention the reasons for the same.)

**Review – II: Deliverables**

* + Detailed Design
  + 100% of code implementation
  + Experimental Results
  + Performance Evaluation
  + Test Cases
  + Result Analysis and Conclusion
  + Final Thesis

Name & Signature of evaluation committee -

Name of Reviewer 1 Name of Reviewer 2 Name of Internal Guide

## Summary of Project Work Evaluation Sheets

| **Sr.**  **No.** | **Roll No. /**  **GR No.** | **Name of the Student** | **I** | **II** | **Remarks** | **Total** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 21810299 | Anuj Dube |  |  |  |  |
| 2 | 21810248 | Sangram Shinde |  |  |  |  |
| 3 | 21810708 | Aniruddha Ghadge |  |  |  |  |
| 4 | 21810420 | Roshan Wazare |  |  |  |  |
| **Overall Remarks or Comments (if any)** | | | | | | |

Name of Reviewer 1 Name of Reviewer 2 Name of Internal Guide

## Participation in Project Competition/ Event

**(Academic Year:2021-22 Sem:8)**

| **Sr.**  **No.** | **Name & Place of Project Competition / Exhibition** | **Date** | **Certificate / Prizes**  **won (if any)** |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Paper Publication / Presentation**

| **Sr.**  **No.** | **Name of the organizing society** | **Date** | **Certificate / Prizes Won**  **(if any)** |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |

**\* Photocopy of the certificate must be attached to this booklet.**

Project Coordinator Internal Guide

**Exam Evaluation Guidelines**

Along with Internal Examiner, the External Examiner should see their Partial or Final project reports, project log book and the presentation of each group along with live project demonstration (applicable in second semester).

It is expected that the examiners should evaluate the students rigorously. The examiners are supposed to evaluate each student / group based on some or all of the following points. Also the evaluation of the examiners must be fair enough so that the student gets appropriate credit/ marks for his/her efforts. Marks breakup is enclosed in the attached excel sheet

The following are the guidelines for the presentation and should be shared with the students.

1. Purpose or Significance or Motivation of Study / topic identified
2. Objectives of Problem Statement
3. Technical relevance and originality of problem
4. Literature reviewed followed by sufficient requirements analysis
5. Design and coding effort along with best practices followed
6. Analysis, interpretation, implementation and validity of results
7. Extent of technical knowledge and coding skill gained
8. Use of project management techniques and maintaining project log Book.
9. Use of modern CASE tools and techniques in development (if required for the problem)
10. Team-work and collaboration
11. Use of professional ethics and social relevance
12. Presentation Skills
13. Answers to questions - analysis, depth of understanding of problem/ conclusions/ inference
14. Project Report / Thesis Contents Quality

**PROJECT REPORT FORMAT**

**Instructions:**

It is important that the procedures listed below be carefully followed.

1. Prepare 2 + No. of project members’ copies of your manuscript (1-CD for college).
2. Limit your project report to preferably 60-70 manuscript pages.
3. The footer should be included as “College Name - INFORMATION TECHNOLOGY Academic Year – 2020-21, while the header should contain” NAME OF PROJECT”. Both header and footer should be TIMES NEW ROMAN 10pt and centrally aligned.
4. Print the manuscript using letter quality computer printing. The main part of manuscript should be TIMES ROMAN 12pt and justified. Use 1.5 line spacing and justify aligned
5. Use paper size 8.5” X 11” or A-4(210X197mm). Please follow following margins

| Margin Location | Paper A4 (210X197mm) |
| --- | --- |
| Top | 25.4 mm |
| Left | 37 mm |
| Bottom | 32 mm |
| Right | 25.4 mm |

1. All paragraphs will be 1.5 line spaced and a double space between each paragraph. Each paragraph will begin with a five–space indentation.
2. Chapter titles should be bold with 14pt typed in all capital letters and should be aligned at the center of the page. Section heading should be aligned at the left with 12pt and bold and capitalized. Section subheading should be aligned at the left with title case (the first letter of each word is to be capitalized). Leave two spaces between section headings and 1 space between two section subheadings.
3. Illustrations (Charts, drawings photographs, figures) are to be in the text. Use only illustrations really pertinent to the text. Illustrations must be sharp, clear, black and white. Illustrations downloaded from internet are not acceptable.
   1. Illustrations should not be more than two per page. One could be ideal
   2. Figure No. and title at bottom with 12pt.
   3. Legends below the title in 10pt.
   4. Proper margin in all sides.
   5. Illustrations as far as possible should not be Xeroxed (photo copy)
4. Photographs if any should be of glossy prints.
5. Please use SI system for units. If student would like to add the equivalent in inch- pound (IP) units, they must be stated in parentheses after the SI units. In case the final result comes out in any other units (say due to empirical formula etc.) convert the unit to SI unit.
6. Please number the pages on the front side, centrally below the footer.
7. References should be either in order as they appear in the paper or in alphabetical order by last name of first author.
8. Symbols and notations if any should be included in nomenclature section only.
9. Following will be the order of the report.
   1. Cover page and front page as per specimen on separate sheet.
   2. Certificate from institute as per specimen on separate sheet.
   3. Certificate from industry on separate sheet (as case may be).
   4. Acknowledgement.
   5. List of figures.
   6. List of Tables
   7. Nomenclature
   8. Contents
   9. Abstract (A brief abstract of the report not more than 150 words. The heading of abstract i.e. word “Abstract” should be bold, times roman 12 pt and should be typed at the center. The contents of abstract should be typed on new line without space between heading and contents.
   10. Chapter1 : Introduction
   11. Other chapters starting on new page.
   12. References (In IEEE format)
   13. Appendices if any. Appendix should contain routine calculation, standard data, derivation and relevant cyber laws.
10. All chapters, section heading and subheadings should be numbered. For chapters use numbers 1, 2……. And for subheadings 1.1, 1.2 etc. and section subheadings 2.1.1, 2.2.2, 2.3.1 etc.
11. References should be given in the body of the text and well spread. No verbatim copy or excessive text from only one or two reference should be used. If figures and tables are taken from any reference then indicate its source. Please follow following procedure for references.

**Reference books**

Collier. G. j. and Thome J. R., Convective boiling and condensation, 3rded, Oxford University Press, UK. 1996, pp. 110- 112

### Papers from Journal or transactions

JUNG D. S. and Raderamcher R. “Transport properties and surface tension of pure and mixed refrigerants”, Ashare Trans, 1991, 97(1), p. 90-98

### Papers from conference proceedings

Colboumne D. R and Ritter T. J. “Quantitative assessment of flammable refrigerants in room air conditioners”, proceedings of the sixteenth International compressor Engineering Conference and Ninth International Refrigeration and Air conditioning Conference, Putdu University, West Lafayette Indiana, USA, 2002

**Reports Handbooks etc.**

United Nations Environmental Programme, Report of the refrigeration, Air Conditioning and heat pumps, Technical option Committee, 2002 Assessment,2002

ASHRAE handbook : Refrigeration, 1994 (chapter44)

### Patent

Patent no. Country (In parenthesis), date of application, title, year. If taken from “Abstract” give cross reference as CF, CA…….

### Internet

WWW.(Site)

Project Sponsorship Allocation letter by Industry- format for Reference

(To be taken from the Industry on the letterhead at the beginning of the project)

#### To,

The Head-IT,VIIT

We confirm that the project “ Title “ is allocated to the following team ( Names and GR no of team members ). We hope that your team will

sincerely complete it in the duration from July 2020 to December 2020 under the guidance of the Industrial Mentor who has been allocated to you from the company.

Thank you for your interest in working with us. Looking forward to an amazing association.

Project Completion Certificate format by Industry- format for Reference

(To be taken from the Industry on the letterhead after completion of the project)

#### To,

The Head-IT,VIIT

We Company name , hereby certify that the following students of BTech- IT, VIIT have completed their final year BTech project titled: “ Title “ at

address in the academic year .

Team members’ names with GR numbers ( Names and GR no of team members ). We thank them for the contribution and wish them good luck for the future.