DIARY

ITE5621 – INDUSTRIAL TRAINING / ITE5622 – INDUSTRIAL APPLICATION DEVELOPMENT PROJECT



BSc. IT Degree Programme 2023/24 Department of Computer Science Faculty of Natural Sciences

The Open University of Sri Lanka

# Introduction

The courses ITE5621:Industrial Training and ITE5622:Industrial Application Development Project are 6 credit courses designed to provide students with practical hands-on experience in a professional working environment in the Information Technology industry.

The final year students of the BSc. IT degree programme have to register to either one of the courses among ITE5621 and ITE5622 as their wish, in order to complete their degree programme.

These two courses are self-learning / independent learning courses that have been designed to gain knowledge by working in a real world project (training) in the industry as an intern or by actively engaging in a selected industrial project. The evaluation of these two courses will be done via the contents in this diary as well as via the progress report and the viva.

# About ITE5621: Industrial Training

The aim of this course is to expose the students to the working environment, enhance their knowledge & skills and teach them integrity, responsibility, and self-confidence. This is a

6-credit course with a minimum of 4 months of training period, where students will have the chance to work in the industry as an intern and they can continue their work if there is a possibility to continue. Content of this diary is a part of the evaluation of this course. Apart from that, there will be a viva and a report to be submitted (Please refer to the Annexure I for more details on this course.)

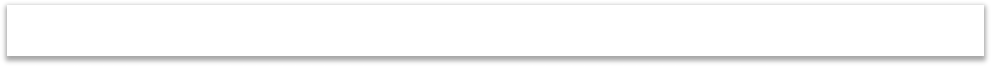
# About ITE5622 - Industrial Application Development Project

The aim of this course is to familiarize students with the industrial application development with full software development lifecycle experiences targeting future entrepreneurship. In this course, the students have to identify an industrial relevant theme, develop a project concept, or else start a project given by the respective industry. Then they have to study the project and its proposal and develop the product, finally launch the product with the guidance of the mentor in the industry as well as the supervisor assigned from the department. This is a 6-credit course with a minimum of 4 months period. Content of this diary is a part of the evaluation of this course. Apart from that there will be a viva and a report to submit **(**Please refer to the

Annexure II for more details on this course.)

Indika Mahathanthila

122943653



**STUDENT INFORMATION**

**Name :**

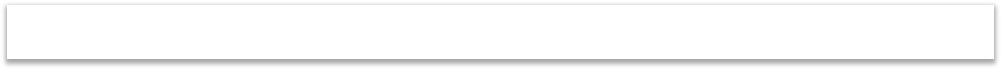
**Registration Number :**

**Contact Number :**

**E-mail :**

**Selected Course : ITE5621 ☐ ITE5622 ☐**

**Signature of the Student:**



**Employer :**

**ORGANIZATION INFORMATION**

**Address of the Employer :**

**Division/ Department :**

**Supervisor’s Name :**

**Supervisor’s Contact Details :**

**Supervisor’s E-mail :**

**Internship / Project Start Date :**

**Expected Internship / Project End Date :**

0773033969

[indika2016may@gmail.com](mailto:indika2016may@gmail.com)

**Signature of the Supervisor:**

**Course Coordinator/Supervisor :**

**Address of Course Coordinator/Supervisor :**

**Contact Number of Course Coordinator/ Supervisor :**

**Signature of the Academic Supervisor of OUSL**

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| **PROGRESS REPORT AREAS - WEEK 01** |

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| **Week 01 – Week Start Date: Week End Date:**  09/02/2025  15/02/2025 | |
| **Goals & Objectives for the Week:**  Initial identification of the project | **Goals & Objectives Achievement Status:**  Get an overall idea about the task we  have to perform and learnt what are the general practices of the industry for project management |
| **Tasks Performed:**  Initial discussion with supervisors  Identification of project  learn about common tools and platforms  used | **Accomplishments related to the task performed**  Get an idea about how industry perform  such kind of tasks  Get a initial idea about the task we going to perform  Learn about project management tools like clickup and version management tools like github |

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| **Learning Experiences:**  Project management tools like clickup and jira and how to use them practically for  a project.  Learn about Git hub and how useful it is in a project working with several members |
| **Challenges Faced:**  Limited time for studying due to other commitments  Tutorials are complex since tools are design to have more range of task than we required. |
| **Remarks of the Student:** |

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| **SUPERVISOR’S APPROVAL STATUS** |

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| **SUPERVISOR’S REMARKS & COMMENTS** |

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| **STUDENT’S FEEDBACK ON SUPERVISOR’S REMARKS & COMMENTS** |

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Date: Signature of Supervisor:

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| **PROGRESS REPORT AREAS - WEEK 02** |

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| **Week 02 – Week Start Date: Week End Date:**  16/02/2025  22/02/2025 | |
| **Goals & Objectives for the Week:**  Introduction about Jira , Clickup  bitbucket and GitHub.  Select which tools going to use Learn the tools which we select | **Goals & Objectives Achievement Status:**  Learn about Jira , Clickup , bitbucket and  Github and selected Clickup and Github. Learn more about Clickup and github |
| **Tasks Performed:**  two Internal discussions with the team  Knowledge sharing session  Self study about project management and version control systems and how they work.  Create accounts in Github and Clickup Information gathering plan discussed and finalized.  Prepare interview questions list First interview is done | **Accomplishments related to the task performed**  Got a good understanding about project  management and version control  Task are divided between the team and fixed dates for interviews for initial data gathering of the project. |

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| **Learning Experiences:**  Learning tools with practical project is more easier than just learning through tutorials |
| **Challenges Faced:**  Since meeting are online , some members are having difficulty connecting due to  connection issues |
| **Remarks of the Student:** |

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| **SUPERVISOR’S APPROVAL STATUS** |

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| **SUPERVISOR’S REMARKS & COMMENTS** |

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| **STUDENT’S FEEDBACK ON SUPERVISOR’S REMARKS & COMMENTS** |

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| **PROGRESS REPORT AREAS - WEEK 03** |

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| **Week 03 – Week Start Date: Week End Date:**  23/02/2025  01/03/2025 | |
| **Goals & Objectives for the Week:**  Complete the information gathering  Initiate the supporting documents of the SRS file like flow charts and ER diagrams | **Goals & Objectives Achievement Status:**  Completed information gathering  Started creating ER diagrams and supporting documents |
| **Tasks Performed:**  Interview for information gathering  Start ER diagram creating based on the gathered information  Study about SRS document formats used in the industry | **Accomplishments related to the task performed**  Get an good understanding about the  requirements of the system and stakeholders who going to contribute to the system.  Familiar with Canva by using it for ER diagram designing to present the overall picture of the system. |

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| **Learning Experiences:**  Learning with team is more effective than doing it alone and also more interesting. It  also build our team work and leadership qualities. |
| **Challenges Faced:**  Language barrier is also one challenge while communicating between team members |
| **Remarks of the Student:** |

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| **STUDENT’S FEEDBACK ON SUPERVISOR’S REMARKS & COMMENTS** |

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| **PROGRESS REPORT AREAS - WEEK 04** |

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| **Week 04 – Week Start Date: Week End Date:**  02/03/2025  09/03/2025 | |
| **Goals & Objectives for the Week:**  Create the outline of the SRS document  Complete ER diagram with updated requirements  Start wireframe designing | **Goals & Objectives Achievement Status:**  Created the outline of the document and  ER diagrams completed Interfaces design started |
| **Tasks Performed:**  Get the updated requirements  Update ER diagram with new requirement  Wireframe design started Internal discussion for review the progress | **Accomplishments related to the task performed**  Get more deep understanding about the  project  Experience gained on Canva ER diagram designs |

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| **Learning Experiences:**  Repeating things over an over again make us more expert on the subject. Editing ER  diagrams recap the knowledge on canva. |
| **Challenges Faced:**  Take more time to complete a task since we have to learn it or remember it first before  doing the actual task |
| **Remarks of the Student:** |

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| **PROGRESS REPORT AREAS - WEEK 05** |

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| **Week 05 – Week Start Date: Week End Date:**  10/03/2025  16/03/2025 | |
| **Goals & Objectives for the Week:**  Complete 30% of SRS document | **Goals & Objectives Achievement Status:**  SRS document 30% completed |
| **Tasks Performed:**  Refer sample documents and learn how  SRSs are written  Start completing the document according to the outline we already created | **Accomplishments related to the task performed**  Knowledge gained about the documentation  part of the project  Brainstorm for project management |

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| **Learning Experiences:**  Self learning is more effective but challenging |
| **Challenges Faced:**  Difficult to choose type of documents which suit for the project we currently working on |
| **Remarks of the Student:** |

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| **PROGRESS REPORT AREAS - WEEK 06** |

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| **Week 06 – Week Start Date:30/03/2025 Week End Date:05/04/2025** | |
| **Goals & Objectives for the Week:**  **Complete the SRS document with all the element done by all team members** | **Goals & Objectives Achievement Status: SRS document completed** |
| **Tasks Performed:**  **Discuss with the team what they have done and collect the information to make the full report** | **Accomplishments related to the task performed**  **Complete the report with the team work** |

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| **Learning Experiences:** |
| **Challenges Faced:.**  **Time constrain due to new year season and CAT exams** |
| **Remarks of the Student:** |

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| **PROGRESS REPORT AREAS - WEEK 07** |

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| **Week 07 – Week Start Date:26/05/2025 Week End Date:31/05/2025** | |
| **Goals & Objectives for the Week:**  **Fine tune the report as per the given feedback of the supervisor.** | **Goals & Objectives Achievement Status: Take several feedbacks and change the report accordingly.** |
| **Tasks Performed: Re draw ERD , Re Draw Use case diagrams and update the interfaces based on them.** | **Accomplishments related to the task performed: Got more idea about how databased deigned in practical condition for better efficiency and with provision with future expansions.** |

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| **Learning Experiences:** |
| **Challenges Faced: Understanding practical conditions are difficult than the understanding the theory which is limited to simple cases.** |
| **Remarks of the Student:** |

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| **PROGRESS REPORT AREAS - WEEK 08** |

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| **Week 08 – Week Start Date: Week End Date:** | |
| **Goals & Objectives for the Week:** | **Goals & Objectives Achievement Status:** |
| **Tasks Performed:** | **Accomplishments related to the task performed** |

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| **Learning Experiences:** |
| **Challenges Faced:** |
| **Remarks of the Student:** |

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| **PROGRESS REPORT AREAS - WEEK 09** |

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| **Week 09 – Week Start Date: Week End Date:** | |
| **Goals & Objectives for the Week:** | **Goals & Objectives Achievement Status:** |
| **Tasks Performed:** | **Accomplishments related to the task performed** |

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| **Learning Experiences:** |
| **Challenges Faced:** |
| **Remarks of the Student:** |

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| **PROGRESS REPORT AREAS - WEEK 10** |

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| **Week 10 – Week Start Date: Week End Date:** | |
| **Goals & Objectives for the Week:** | **Goals & Objectives Achievement Status:** |
| **Tasks Performed:** | **Accomplishments related to the task performed** |

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| **Learning Experiences:** |
| **Challenges Faced:** |
| **Remarks of the Student:** |

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| **PROGRESS REPORT AREAS - WEEK 11** |

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| **Week 11 – Week Start Date: Week End Date:** | |
| **Goals & Objectives for the Week:** | **Goals & Objectives Achievement Status:** |
| **Tasks Performed:** | **Accomplishments related to the task performed** |

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| **Learning Experiences:** |
| **Challenges Faced:** |
| **Remarks of the Student:** |

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| **PROGRESS REPORT AREAS - WEEK 12** |

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| **Week 12 – Week Start Date: Week End Date:** | |
| **Goals & Objectives for the Week:** | **Goals & Objectives Achievement Status:** |
| **Tasks Performed:** | **Accomplishments related to the task performed** |

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| **Learning Experiences:** |
| **Challenges Faced:** |
| **Remarks of the Student:** |

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| **PROGRESS REPORT AREAS - WEEK 13** |

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| **Week 13 – Week Start Date: Week End Date:** | |
| **Goals & Objectives for the Week:** | **Goals & Objectives Achievement Status:** |
| **Tasks Performed:** | **Accomplishments related to the task performed** |

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| **Learning Experiences:** |
| **Challenges Faced:** |
| **Remarks of the Student:** |

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| **PROGRESS REPORT AREAS - WEEK 14** |

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| **Week 14 – Week Start Date: Week End Date:** | |
| **Goals & Objectives for the Week:** | **Goals & Objectives Achievement Status:** |
| **Tasks Performed:** | **Accomplishments related to the task performed** |

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| **Learning Experiences:** |
| **Challenges Faced:** |
| **Remarks of the Student:** |

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| **PROGRESS REPORT AREAS - WEEK 15** |

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| **Week 15 – Week Start Date: Week End Date:** | |
| **Goals & Objectives for the Week:** | **Goals & Objectives Achievement Status:** |
| **Tasks Performed:** | **Accomplishments related to the task performed** |

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| **Learning Experiences:** |
| **Challenges Faced:** |
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| **PROGRESS REPORT AREAS - WEEK 16** |

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| **Week 16 – Week Start Date: Week End Date:** | |
| **Goals & Objectives for the Week:** | **Goals & Objectives Achievement Status:** |
| **Tasks Performed:** | **Accomplishments related to the task performed** |

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| **Learning Experiences:** |
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| **PROGRESS REPORT AREAS - WEEK 17** |

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| **Week 17 – Week Start Date: Week End Date:** | |
| **Goals & Objectives for the Week:** | **Goals & Objectives Achievement Status:** |
| **Tasks Performed:** | **Accomplishments related to the task performed** |

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| **Learning Experiences:** |
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| **PROGRESS REPORT AREAS - WEEK 18** |

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| **Week 18 – Week Start Date: Week End Date:** | |
| **Goals & Objectives for the Week:** | **Goals & Objectives Achievement Status:** |
| **Tasks Performed:** | **Accomplishments related to the task performed** |

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| **Learning Experiences:** |
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| **PROGRESS REPORT AREAS - WEEK 19** |

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| **Week 19 – Week Start Date: Week End Date:** | |
| **Goals & Objectives for the Week:** | **Goals & Objectives Achievement Status:** |
| **Tasks Performed:** | **Accomplishments related to the task performed** |

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| **PROGRESS REPORT AREAS - WEEK 20** |

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| **Week 20 – Week Start Date: Week End Date:** | |
| **Goals & Objectives for the Week:** | **Goals & Objectives Achievement Status:** |
| **Tasks Performed:** | **Accomplishments related to the task performed** |

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| **Learning Experiences:** |
| **Challenges Faced:** |
| **Remarks of the Student:** |

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**STUDENT’S REFLECTION ON THE PROGRAMME**

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| **Course Learning Outcomes** | | **Learning Outcome Achieved Status related to your Selected Course** | | | | |
| **ITE5621**  **Industrial Training** | **ITE5622**  **Industrial Application Development Project** | **Strongly Disagree** | **Disagree** | **Neutral** | **Agree** | **Strongly Agree** |
| Evaluation and understanding of how work experience relates to your personal or career and future professional development. | Ability to understand a problem and proposing tentative solutions. | ☐ | ☐ | ☐ | ☐ | ☐ |
| Development of employability skills, intellectual skills, core of key skills, personal attributes and knowledge about how organizations work. | Self-learning and application of new technologies and trends. | ☐ | ☐ | ☐ | ☐ | ☐ |
| Development of professional skills and strengthening the application of theory to practice. | Application of Project management concepts in self-guided project. | ☐ | ☐ | ☐ | ☐ | ☐ |
| - | Experience the product development lifecycle. | ☐ | ☐ | ☐ | ☐ | ☐ |
| - | Presentation and discrimination of new knowledge | ☐ | ☐ | ☐ | ☐ | ☐ |
| - | Self-entrepreneurship skill identification. | ☐ | ☐ | ☐ | ☐ | ☐ |

Signature of Student:

# Brief your Reflection about the Internship / Project experience

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Signature of the Student:

**SUPERVISOR’S INSIGHTS ON THE STUDENT’S PROGRAMME**

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| --- | --- | --- | --- | --- | --- | --- |
| **Course Learning Outcomes** | | **Learning Outcome Achieved Status related to your Selected Course** | | | | |
| **ITE5621**  **Industrial Training** | **ITE5622**  **Industrial Application Development Project** | **Strongly Disagree** | **Disagree** | **Neutral** | **Agree** | **Strongly Agree** |
| Evaluation and understanding of how work experience relates to their personal or career and future professional development. | Ability to understand a problem and proposing tentative solutions. | ☐ | ☐ | ☐ | ☐ | ☐ |
| Development of employability skills, intellectual skills, core of key skills, personal attributes and knowledge about how organizations work. | Self-learning and application of new technologies and trends. | ☐ | ☐ | ☐ | ☐ | ☐ |
| Development of professional skills and strengthening the application of theory to practice. | Application of Project management concepts in self-guided project. | ☐ | ☐ | ☐ | ☐ | ☐ |
| - | Experience the product development lifecycle. | ☐ | ☐ | ☐ | ☐ | ☐ |
| - | Presentation and discrimination of new knowledge | ☐ | ☐ | ☐ | ☐ | ☐ |
| - | Self-entrepreneurship skill identification. | ☐ | ☐ | ☐ | ☐ | ☐ |

Signature of the Supervisor:

# Briefing on the Reflection of the Student’s Internship / Project

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I, the Supervisor of the Student would like to / would not like to take part in the Viva at the conclusion of the Student’s Project/ Industrial Training.

Supervisor’s email address - Supervisor’s contact details -

Signature of the Supervisor:

**ACADEMIC SUPERVISOR’S INSIGHTS ON THE STUDENT’S PROGRAMME**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Course Learning Outcomes** | | **Learning Outcome Achieved Status related to your Selected Course** | | | | |
| **ITE5621**  **Industrial Training** | **ITE5622**  **Industrial Application Development Project** | **Strongly Disagree** | **Disagree** | **Neutral** | **Agree** | **Strongly Agree** |
| Evaluation and understanding of how work experience relates to their personal or career and future professional development. | Ability to understand a problem and proposing tentative solutions. | ☐ | ☐ | ☐ | ☐ | ☐ |
| Development of employability skills, intellectual skills, core of key skills, personal attributes and knowledge about how organizations work. | Self-learning and application of new technologies and trends. | ☐ | ☐ | ☐ | ☐ | ☐ |
| Development of professional skills and strengthening the application of theory to practice. | Application of Project management concepts in self-guided project. | ☐ | ☐ | ☐ | ☐ | ☐ |
| - | Experience the product development lifecycle. | ☐ | ☐ | ☐ | ☐ | ☐ |
| - | Presentation and discrimination of new knowledge | ☐ | ☐ | ☐ | ☐ | ☐ |
| - | Self-entrepreneurship skill identification. | ☐ | ☐ | ☐ | ☐ | ☐ |

Signature of the Academic Supervisor:

# Reflection on the Student’s Experiences, Achievements and Gaining

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Signature of the Academic Supervisor:

# Annexure I

**ITU5621 – Industrial Training**

## Course Aim/s

* Expose the students to the working environment, enhance their knowledge and skills, and teach them integrity, responsibility, and self-confidence.

## Programme Learning Outcomes of the course

* **Practical Knowledge and Application**: Make thorough judgments following basic theories and concepts and apply them to Information Technology solutions.
* **Communication**: Communicate technical information, ideas and concepts effectively and efficiently.
* **Teamwork and leadership**: Practice leadership and teamwork responsibilities in professional and working environments.
* **Managerial and Entrepreneurship**: Demonstrate personal responsibility and accountability while taking initiatives.
* **Creativity and Problem Solving**: Identify problems and develop solutions based on the information available using the concepts and theories.
* **Information Usage and Management**: Using ICT skills and knowledge to utilize and manage information.
* **Networking and Social Skills:** Develop skills to perform in a team as a member and a leader.
* **Adaptability and Flexibility**: Develop appropriate strategies for adapting to changes and flexibility for frequent technical modifications.
* **Attitude, Values, and Professionalism**: Exhibit positive attitudes and professionalism with judgment based on legal and ethical principles in Information Technology.

## Course Learning Outcomes

After the completion of this course, students will be able to:

* Assist students in evaluating and understanding how work experience relates to their personal or career and future professional development.
* Develop employability skills, intellectual skills, core of key skills, personal attributes and knowledge about how organization’s work.
* Develop professional skills and strengthen the application of theory to practice.

## Assessment Strategy

Final Examination Mark (Y %) = Training Diary 20% + Training Report 50% + Viva/Presentation/Oral examination 30%

# Annexure II ITE5622 – Industrial Application Development Project

**Course Aim/s**

* To give industry application development familiarity with full software development lifecycle experience targeting future entrepreneurship.

# Programme Learning Outcomes of the Course

* **Theoretical Knowledge**: Accumulate the fundamental knowledge in the area of Information Technology for analyzing of problems, designing solutions.
* **Practical Knowledge and Application**: Make thorough judgments in accordance with basic theories and concepts and apply on Information Technology based solutions.
* **Communication**: Communicate technical information, ideas and concepts effectively and efficiently.
* **Teamwork and Leadership**: Practice leadership and teamwork responsibilities in the professional and working environments.
* **Creativity and Problem Solving**: Identify problems and develop solutions based on the information available using the concepts and theories.
* **Managerial and Entrepreneurship**: Demonstrate personal responsibility and accountability while taking initiatives.
* **Networking and Social Skills**: Develop skills to performing in a team as a member and a leader.
* **Adaptability and Flexibility**: Develop appropriate strategies to adapting to changes and flexibility for frequent technical modifications.
* **Attitudes, Values and Professionalism**: Exhibit positive attitudes and professionalism with judgments based on legal and ethical principles in Information Technology.

## Course Learning Outcomes

* Ability to understand a problem and proposing tentative solutions.
* Self-learning and application of new technologies and trends.
* Application of Project management concepts in self-guided project.
* Experience the product development lifecycle.
* Presentation and discrimination of new knowledge
* Self-entrepreneurship skill identification.

## Assessment Strategy

Final Examination Mark (Y %) = Training Diary 20% + Training Report 50%

+ Viva/Presentation/Oral examination 30%