Capstone Project Progress Journal

2023

DEPARTMENT OF COMPUTING AND INFORMATION SYSTEMS
FACULTY OF COMPUTING
SABARAGAMUWA UNIVERSITY OF SRI LANKA

The information in this document was correct and up to date at the time of publication. The Department reserves the right to modify any statement if necessary by the departmental examination/assessment panel.

Version 2.0 January 2023

Contents

Introduction to Capstone Projects

Overview

Capstone Project (IS 4110) is a compulsory course module to complete the Bachelor of Science Honours Degree Programme in Information Systems offered by the Department of Computing and Information Systems (DCIS), Faculty of Computing, Sabaragamuwa University of Sri Lanka. Every Student should have to complete this Capstone Project in their Semester V as an individual project. This course will enable students to carry out a project work to implement a solution for real world IT problem, under the supervision of an internal supervisor and a mentor provided by the Department. The Internal Supervisor are responsible to help students if they have any internal matters and they should monitor the interaction between the students and mentors and evaluate the progress of the students. The mentors should aware the students about the emerging technologies and current trends in the Software Industry and guide the students to apply those technologies with their projects. Also Mentors should monitor the progress of the student continuously and all the students are required to submit a Project Progress Journal once in three weeks to the mentor and the Internal Supervisor. Mentors and Internal Supervisors can schedule meetings with the students to assess the progress as well as to discuss about the project work. A student is responsible to update the progress of the project and address the feedbacks given by the mentors throughout the semester and complete the final software product before the end of the semester by covering all the requirements and the scope defined initially. The Capstone Project is evaluated by the internal supervisors and a same panel of evaluators in the Proposal Presentation, Prototype Demonstration I, and in the Final Evaluation.

The duration for the Capstone Project is 15 Weeks (One Semester) and it weighted 2 credits. Upon successful completion of this course, the student will be able to identify the requirements for the real-world IT problems, study & enhance software/ hardware skills, demonstrate & build the project successfully by hardware requirements, coding and emulating & testing Report & present the findings of the study conducted in the preferred domain.

.

Vision

Our vision is to guide the Computing and Information Systems (CIS) Students to achieve their individual goals and to lead the next generation of IT professionals in advancing Information Technology and Business Process Management (IT/BPM) industry.

Mission

Our mission is to produce computing graduates to design and develop quality software solutions, work effectively within challenging environments and being good professionals. Since the field of computing has rapidly grown and diversified, we have to create computing graduates who is with high-quality standards, broad-based education and experiential learning in computing, create knowledge through pioneering scholarship and impactful research, enrich our students' development and leadership skills, and nurture the inherent innovation of our students.

Objectives

Objectives of the Capstone Project work:

- Offer students a glimpse into real world problems and challenges that need IT based solutions
- Enable students to create very precise specifications of the IT solution to be designed.
- Introduce students to the vast array of literature available of the various research challenges in the field of IT
- Create awareness among the students of the characteristics of several domain areas where IT can be effectively used.
- Enable students to use all concepts of IT in creating a solution for a problem
- Improve the team building, communication and management skills of the students.
- Helps in exploring career opportunities in their areas of interest.
- Gives an insight into the working of the real organizations/companies.
- Develop students' ability to apply knowledge and techniques learnt in theoretical classes to develop software products for real world problems.
- Gives an insight of a real working environment of an organization to the students
- Assist students in exploring career opportunities in their areas of interest.
- Develop students' reporting, presenting and demonstrating ability.

Intended Learning Outcomes

Upon successful completion of this course, the student will be able to:

ILO1 Discover potential research/Development areas in the field of IT

ILO2 Conduct a survey of several available literature in the preferred field of study.

ILO3 Compare and contrast the several existing solutions for research/development challenge

ILO4 Demonstrate an ability to work in teams and manage the conduct of the research study or Development project

ILO5 Formulate and propose a plan for creating a solution for the research/development plan identified

ILO6 To report and present the findings of the study conducted in the preferred domain

Introduction to Capstone Project Progress Journal

Capstone Project Progress Journal is

- A way to document all Capstone project activities throughout the semester.
- An important mechanism for the internal supervisors and mentor to evaluate and assess a student's attitude and ability and also to monitor the status of the student's project throughout the semester.

Students are

- Required to write clearly and honestly all activities performed and then to summarize their work every week.
- Highly encourage to maintain a separate file/folder to compile all their findings/ printouts/ datasheets as a complement to this progress journal.

Reminder to students

- This journal must be presented to your Mentor and the Internal Supervisor once in three weeks.
- All activities conducted must be recorded at the activities section in the Project Progress Journal. Signatures of relevant persons can also be recorded as proof of your claim at the activities section (optional but highly recommended).
- This journal must be submitted to your internal supervisor and mentor along with your Final Report to be graded by your internal supervisor and the mentor at the required date (Refer to Capstone Project Guidelines).

Student Information

Full Name		
Registration No		
Email		
Telephone Number		
Internal Supervisors' Details	**Name**	
	Profession	
	Contact Details	
Mentors' Details	**Name**	
	Profession	
	Contact Details	
Mentors' Details	**Name**	
	Profession	
	Contact Details	
Project Title		
Project Description		

Week 1

Duration	Start Date		End Date	
Date	Task Completed	Objectives of the tasks	Problems	Solutions
Summary for the week				
Task for the next week				
Remarks				
Signature of the Student			Date	
Signature of the Mentor			Date	
Signature of the Internal Supervisor			Date	

Week 2

Duration	Start Date		End Date	
Date	**Task Completed**	**Objectives of the tasks**	**Problems**	**Solutions**
Summary for the week				
Task for the next week				
Remarks				
Signature of the Student			**Date**	
Signature of the Mentor			**Date**	
Signature of the Internal Supervisor			**Date**	

Week 3

Duration	Start Date		End Date	
Date	Task Completed	Objectives of the tasks	Problems	Solutions
Summary for the week				
Task for the next week				
Remarks				
Signature of the Student			Date	
Signature of the Mentor			Date	
Signature of the Internal Supervisor			Date	

Week 4

Duration	Start Date		End Date	
Date	Task Completed	Objectives of the tasks	Problems	Solutions
Summary for the week				
Task for the next week				
Remarks				
Signature of the Student			Date	
Signature of the Mentor			Date	
Signature of the Internal Supervisor			Date	

Week 5

Duration	Start Date		End Date	
Date	Task Completed	Objectives of the tasks	Problems	Solutions
Summary for the week				
Task for the next week				
Remarks				
Signature of the Student			Date	
Signature of the Mentor			Date	
Signature of the Internal Supervisor			Date	

Week 6

Duration	Start Date		End Date	
Date	Task Completed	Objectives of the tasks	Problems	Solutions
Summary for the week				
Task for the next week				
Remarks				
Signature of the Student			Date	
Signature of the Mentor			Date	
Signature of the Internal Supervisor			Date	

Week 7

Duration	Start Date		End Date	
Date	Task Completed	Objectives of the tasks	Problems	Solutions
Summary for the week				
Task for the next week				
Remarks				
Signature of the Student			Date	
Signature of the Mentor			Date	
Signature of the Internal Supervisor			Date	

Week 8

Duration	Start Date		End Date	
Date	Task Completed	Objectives of the tasks	Problems	Solutions
Summary for the week				
Task for the next week				
Remarks				
Signature of the Student			Date	
Signature of the Mentor			Date	
Signature of the Internal Supervisor			Date	

Week 9

Duration	Start Date		End Date	
Date	Task Completed	Objectives of the tasks	Problems	Solutions
Summary for the week				
Task for the next week				
Remarks				
Signature of the Student			Date	
Signature of the Mentor			Date	
Signature of the Internal Supervisor			Date	

Week 10

Duration	Start Date		End Date	
Date	Task Completed	Objectives of the tasks	Problems	Solutions
Summary for the week				
Task for the next week				
Remarks				
Signature of the Student			Date	
Signature of the Mentor			Date	
Signature of the Internal Supervisor			Date	

Week 11

Duration	Start Date		End Date	
Date	Task Completed	Objectives of the tasks	Problems	Solutions
Summary for the week				
Task for the next week				
Remarks				
Signature of the Student			Date	
Signature of the Mentor			Date	
Signature of the Internal Supervisor			Date	

Week 12

Duration	Start Date		End Date	
Date	**Task Completed**	**Objectives of the tasks**	**Problems**	**Solutions**
Summary for the week				
Task for the next week				
Remarks				
Signature of the Student			**Date**	
Signature of the Mentor			**Date**	
Signature of the Internal Supervisor			**Date**	

Week 13

Duration	Start Date		End Date	
Date	Task Completed	Objectives of the tasks	Problems	Solutions
Summary for the week				
Task for the next week				
Remarks				
Signature of the Student			Date	
Signature of the Mentor			Date	
Signature of the Internal Supervisor			Date	

Week 14

Duration	Start Date		End Date	
Date	Task Completed	Objectives of the tasks	Problems	Solutions
Summary for the week				
Task for the next week				
Remarks				
Signature of the Student			Date	
Signature of the Mentor			Date	
Signature of the Internal Supervisor			Date	

Week 15

Duration	Start Date		End Date	
Date	**Task Completed**	**Objectives of the tasks**	**Problems**	**Solutions**
Summary for the week				
Task for the next week				
Remarks				
Signature of the Student			**Date**	
Signature of the Mentor			**Date**	
Signature of the Internal Supervisor			**Date**	

Comments by the Mentor/(s)

....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....

Comments by the Internal Supervisor

....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....

Any other Remarks

....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....