

# **An Intelligent Robot for Monitoring and Protecting Toddlers**

#### **Project Logbook**

Project ID: 2023-326

#### **Student Details**

Student Name	Student ID	
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#### **Declaration**

I declare that this is my own work, and this proposal does not incorporate without acknowledgment any material previously submitted for a degree or diploma in any other university or institute of higher learning and to the best of my knowledge and belief it does not contain any material previously published or written by another person except where the acknowledgment is made in the text.

Name	Student ID	Signature
Thuduhena R.S	IT20185466	look!

The above candidate has carried out research for the	e B.Sc. Dissertation under my supervision
Signature of the Supervisor:	Date:

# February 2023

	Date No.
week	Details of work done
week-1	· Finglize the overall research
<i>\</i>	top: c.
	· Identify individual research
	Component with the novelty
	TRAMES TO THE PROPERTY OF THE
	a Stanfed gar passing that the
week-2	omet the supervisor & co-supe
	-07
	o Finished writing the TAF decume
Week-3	o Identify devices required for
	building the individual Compon
	o First team me'etny for Planin
	things next decliment collab
	with tran members.
	S. Simes S.S. S. W. H. G. C. C. V. F. Work in Principle of the C.
Week-4	ofinalized the TAF document
	and submitted it to the CDA
	(signature of the Supervisor

Figure 1: Month of February

#### **March 2023**

	March - 2023
ZP ZP	Date No.
Week	Details of work done
Week-1	* Reserraching Keywords and Current work being Carried out on the area of interest.  • Collaborating and Exploringer with the team to further device ideas.
week-2	ostarted preparing for the proposal presentation. opeparing the project Charter document.
week-3	opresenting the project charter via virtual meeting with the co-supervisor. osubmission of the project charter.
Week-4	o successfully carried out the proposal presentation.
	(signature of the supervis

Figure 2: Month of March

# April 2023

	April - 2023
	Date No.
Week	Details of work done
week 1	opurchasing devices and mater required for the navigation system.  opurchase Raspberry p: 4 and Motor drivers, wheels motors to build the system
week 2	o started working on the photococcoccoccoccoccoccoccoccoccoccoccocc
Week 3	o Trableshooting a Frame 19 9 15540.  O Learn about Machine learin and Moder training on adems Course.
week 4	paner on Arcly: c sheet.
9	(5: gnature of the Supervis

Figure 3: Month of April

# **May 2023**

	May - 2023
	Date No.
Week	Details of work done
week 1	ofinsihed working on the propose
	report and submitted it to the
	Coap after review.
	o Meet with Supervisor to
	discuss the presentation.
week 2	o Collecting the data-set from
	coco-modisel to train the
	model
	· working on the FPS decpping
	issue.
_	Chinese house discussed decision and the
week 3	o Started working on all the
	Motor and driver Conneting
	+C Rasberry Pi board.
	· working on presentation
	slides for the progress prese
	-+aticn
WEEK 4	o Successfully Completed the first
	Progress review presentation.
	19
	Ill Japavadue
	(5 ignature of the super

Figure 4: Month of May

#### **June 2023**

	June - 2023
	Date No.
Week	Details of work done
WEEKI	ofinished the toddiller tracking after confirm its functionality oplan for the object avoiden a navigation.
WEEK 2	o Tes & the Coding for all other sensor signal coming to Pi used for havigation of Driver owriting status document
week 3	o Finalized the status document and submitted it to the CDA
WEEK 4	o Worked on the Integrating to other parts with the havigo
	JRI Jayardue

Figure 5: Month of June

# **July 2023**

	July - 2023
010	Date No.
WEEK	Details of work done
**	
Weekl	otroubleshooting the issue
	of Shareng the one pi board
	for all sort of function
	and mixing with navigation
	S. Final Fermis OF the College
Week 2	o Researching about the marke
	the hovely in the navigation
	part.
	odevicp the Accuasey ofth
werk-3	dataset. Training using too
	like Collab .
Week-3	o programming the Esp32
	Commodule to Toddier flowing
12000 4	th; ng.
	STOMER DESIGNATION OF STREET
Week-4	· Arrange the team meetin
	to discuss the problems
	while building the syste
	- Jed Jayandre
	(signature of the supervis

Figure 6: Month of July

# August 2023

		Aug - 2023 (Augus+) Date No.
44	week	Details of work done
	week 1	a Testing the Toddier following capbilites in differnt setup
		TOTAL PROPERTY OF THE PROPERTY
	week 2	o Final testing of the following
		system in diffrent scenarios
	week 3	o worked on Fps dropping
	W. C. K. 3	issue and reducing lag and
		iatency of FPS.
		a proc Residence weign sech paper to
	AND PROPERTY.	oprepare the status decuma
		And the second s
	week 4	
		to prepare slides for the secound progress presentation
		osybmit the status decument
		Veneral Coursing Rund Course
		(Signature of the super

Figure 7: Month of August

# September 2023

3	Sep-2023 (September) Date No.
a) week	Details of work done
3)	
) week	navigition with diffrent Setyps
3)	o Integrate With Object tacking object - avicdence havigation.
3)	a factor of the feet of the
2) week 2	The an pains
3)	in prototype device enclose to be present at (pp2).  o participat in the (pp2) and Successfully Completed tasic.
2)	saccepting complete that
2 week 3	prepare research paper -  preparing the final-Individual  report and Group Reported
2) -	Submit the draft Assembly.  O completing the Thesis I draft report.
2) WEEK 4	rebet covering and enclosese.
2)	(Signature of the supervisor

Figure 8: Month of September

#### October 2023

	OC+ - 2023 (OC+0 ber) Date No.
WEEK	Details of work done
	opreparing and design the
WEEKI	poster for the Assement.
	o update the Git-Lab Envisone
week2	o preparing the for final tou
	ups- in the robot.
	o design the webside for the
WEEK 3	o Coding for building the
	website.
	opreparing final progres
	report
WEEK 4	a meet the supervisor to
	sign the logbook.
	· ·
	(Signature of the super

Figure 9: Month of October

#### **MS Planner Snapshot**

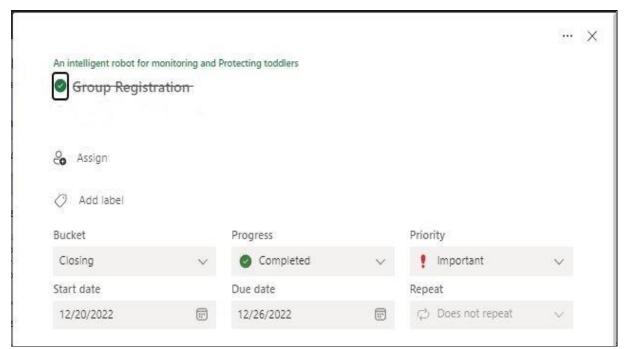


Figure 10: Group Registration

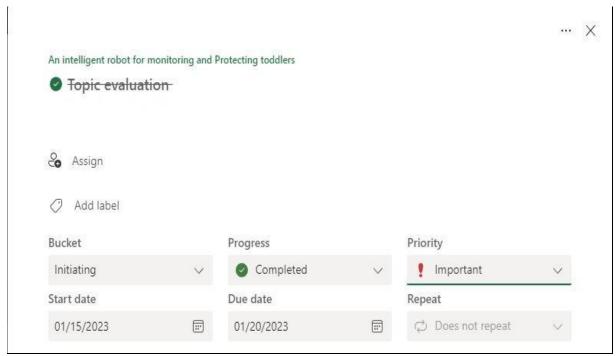


Figure 11: Topic Evaluation

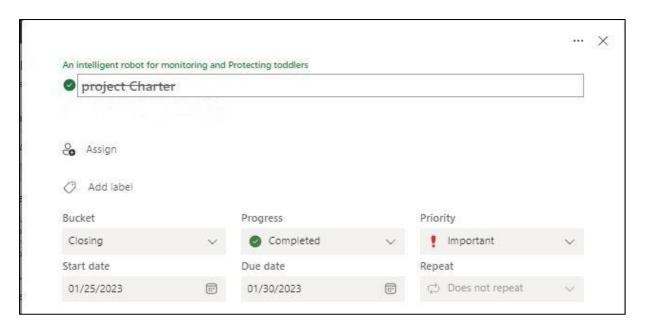


Figure 12: Project Charter

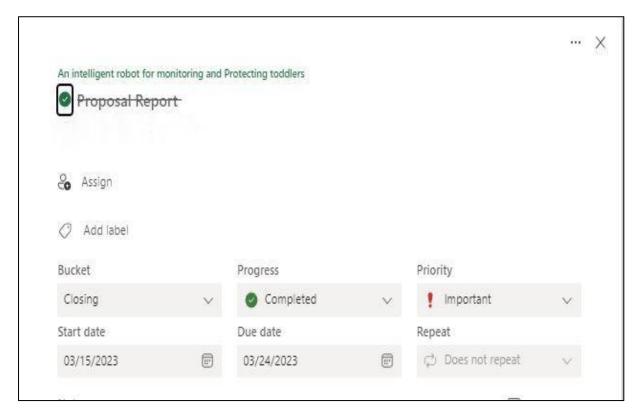


Figure 13: Proposal Report

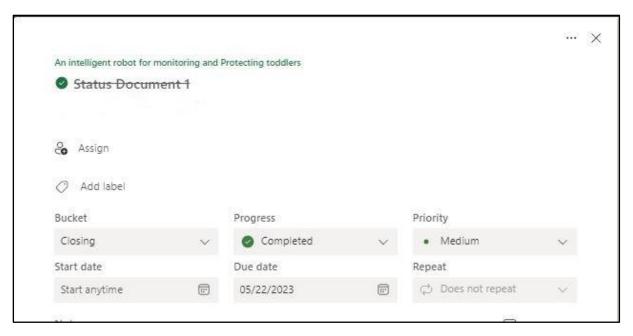


Figure 14: Status Document -1

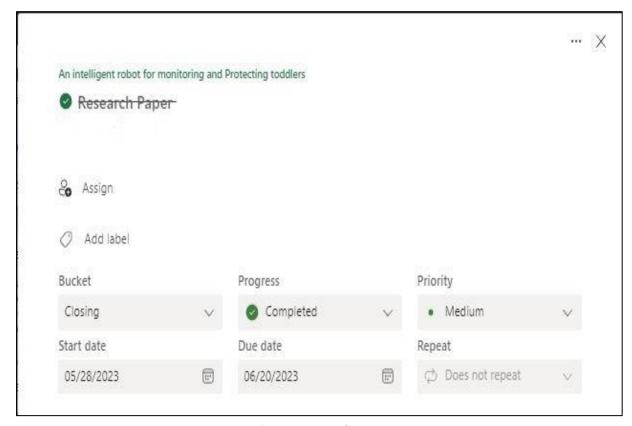


Figure 15: Research Paper

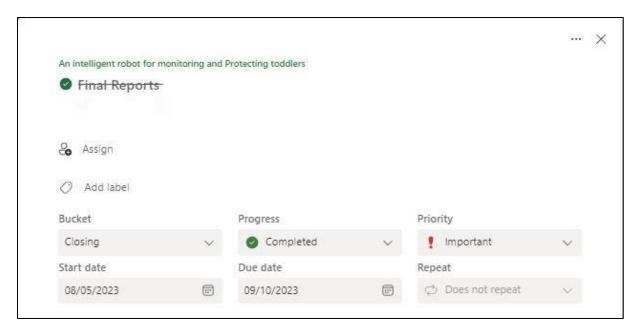


Figure 16: Final Report

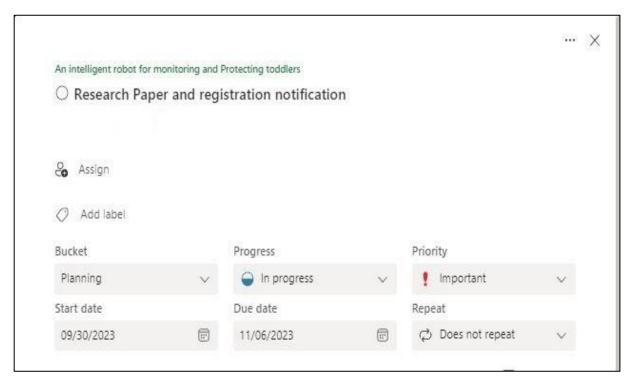


Figure 17: Research Paper and Registration Notification

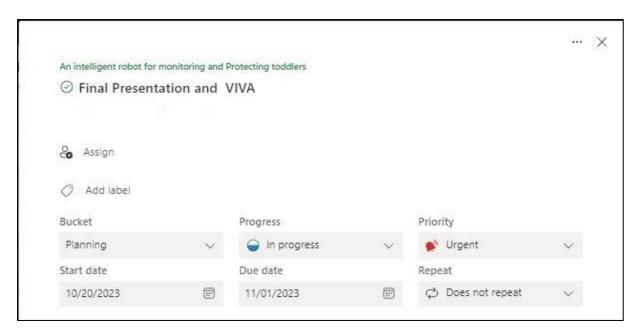


Figure 18: Final Presentation and Viva

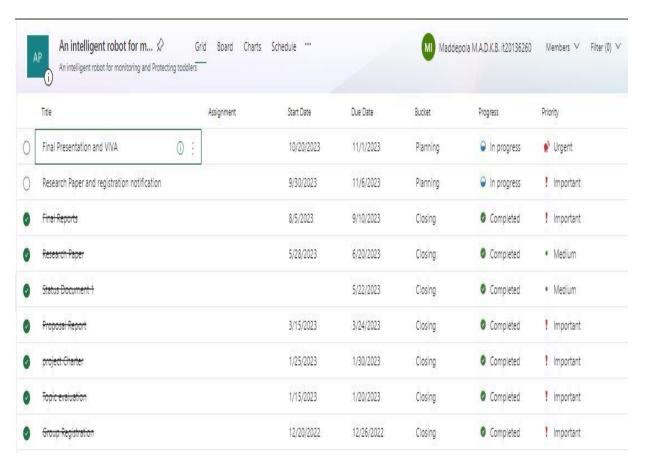


Figure 19: Summary of MS Planner