

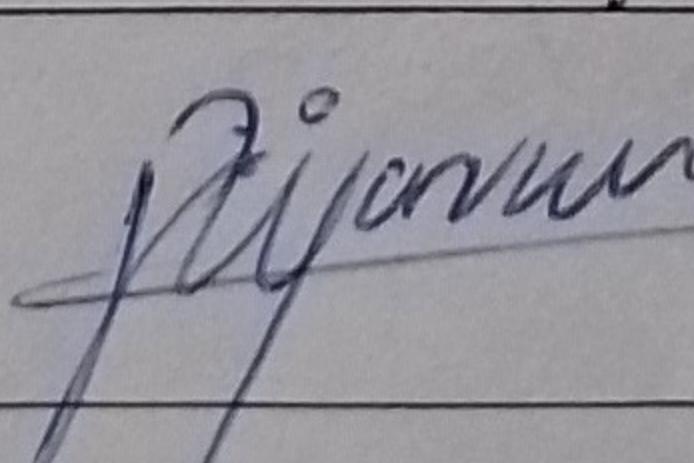
**FOUR - WEEKLY CONTINUOUS ASSESSMENT REPORT**  
 (Please Refer Section 9, page 5 of Training Guideline Book for details)

#	Report Details								
1	Report Number	1 <input checked="" type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>		
2	For the Duration	From	03	01	2022	To	30	01	2022

#	Undergraduate's Details											
1	Name as per Register	Mr. / Ms. THALAGALA B. P.										
2	Index Number	180631J										
3	Discipline	BM <input type="checkbox"/>	CH <input type="checkbox"/>	CE <input type="checkbox"/>	CS <input type="checkbox"/>	EE <input type="checkbox"/>	EN <input checked="" type="checkbox"/>	ER <input type="checkbox"/>	ME <input type="checkbox"/>	MT <input type="checkbox"/>	TL <input type="checkbox"/>	TT <input type="checkbox"/>
4	Contact Phone Number	0750296594										
5	Email	180631j@uom.lk										
6	Personal Address During	326/2, Kandahena, Dedigamuwa.										

#	Training Provider Details	
1	Training Provider's Name	L. E. Robotics (pvt) Ltd.
2	Address of Corporate Office	100/4, Divulapitiya Rd, Minuwangoda.
3	Address of Worksite	100/4, Divulapitiya Rd, Minuwangoda.
4	Nearest City to Worksite	Minuwangoda.
5	Name of Supervisor	J. A. L. Jayasinghe
6	Supervisor Position	Engineer In-charge
7	Supervisor Phone No.	077 - 271 6181
8	Email	laknpej@lerobotics.lk

Important Note!	
A summary of undergraduate's work experience during the considered four (04) weeks period to be attached along with this duly filled Annex. Highlight any shortcomings, problems that the undergraduate experienced, if there were any, for the purpose of improving. Finally, make sure to attach completed assessment by the Supervisor (see overleaf).	

Endorsement by the Undergraduate			
Signature of Undergraduate		Date	01/02/2022

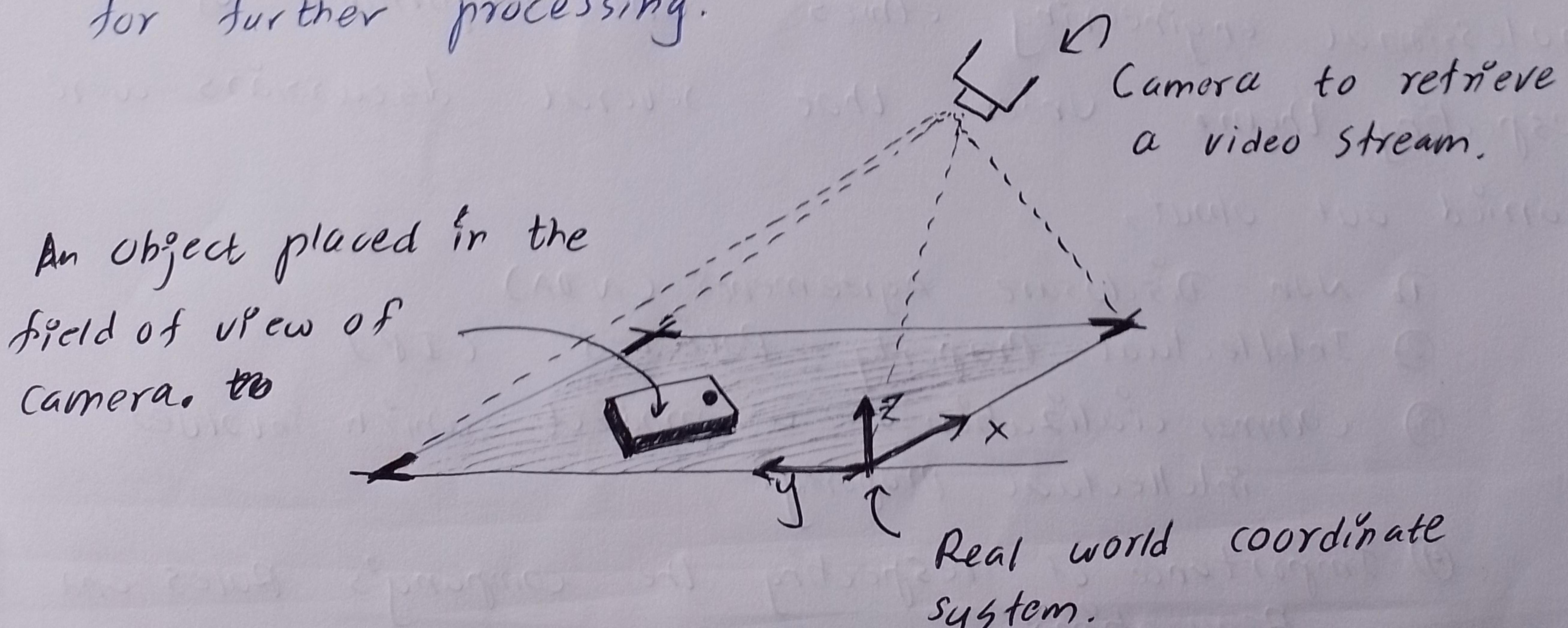
Supervisor's Assessment on Undergraduate						
[rate on a scale from 1 (Disagree) to 5 (Agree)]						
<b>A</b>	<b>Behavioral:</b>		1	2	3	4
1	Thinks independently	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Takes initiatives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Reliable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	Organized and manages time well	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Results oriented	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Ability to learn from all levels of workers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	Adaptability to different environments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	Open to different opinions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	Ready to seek assistance when necessary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	Communicates well in all formats	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>B</b>	<b>Technical:</b>		1	2	3	4
1	Knows fundamentals related to work assigned	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Able to apply fundamentals to practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Able to analyse and troubleshoot problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	Engages modern tools and techniques	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Develops related hands on skills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Concerned with quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	Performs work in a safe manner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	Develops skills in planning & implementation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	Understands costs & benefits relationships	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	Understands business operations in local & global context	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>C</b> Any Other Remark: Satisfactory, can improve upon further exposure to industrial environment						
<b>D</b>	No. of Days of leave during 4-week period:	Authorized	3	Unauthorized	—	
<b>E</b>	Endorsement by the Supervisor:					
1	Name of the Supervisor	J.A.L. Jayasinghe		Official Stamp	L.E. ROBOTICS (PVT.) LTD.	
2	Position					
3	Signature					
4	Date	03 / 05 / 2022				

Summary of work experience - (report no:1)  
From 03/01/2022 To 30/01/2022.

### Week 01

In week 01 of the training period we were given some opportunity to be familiarize with the company and the environment. It mainly included getting to know about the history and the current status of the company, and ~~get to know~~ about the various machines that are required to manufacture ~~Robot~~ Industrial Robots. (mainly robot arms).

In addition to that we were assigned the projects that we will be working on, in the next couple of months. I was assigned a project known as, "Machine vision Based Real Time Trajectory Generation" which includes analyzing a video stream, identifying the objects in a pre defined set of objects, estimating their locations with respect to the a known real world coordinate system and providing the mentioned details to the main Robot controller for further processing.



As I was assigned a complete project rather than a part of a ~~small~~ another big project, I could gain the experience of a complete system design. It included,

- ① Selection of a suitable Hardware platform for the application.
- ② Carrying out a feasibility study, prior to make any design decisions.
- ③ Maintaining a better source code which complies with the company's standard. (in order to improve the readability and ability to be ~~understand~~ understood by someone else from your working group.)
- ④ Finding reliable resources of data for implementation (research papers / web pages / software documentations, etc.)
- ⑤ ~~Identifying~~ Identifying design constraints, such as cost / execution time of programs / environment where the final product is deployed and etc.
- ⑥ Computing time complexity of algorithms to be used inside the device / system.

In addition to the above mentioned technical skills, we were given a thorough understanding about the professional engineering ethics and importance of respecting them. Under that several discussions were carried out about,

- ① Non-Disclosure Agreements (NDA)
- ② Intellectual Property Policies (IP)
- ③ Commercialization of a product which involves intellectual property.
- ④ Importance of respecting the company's Rules and Regulations.