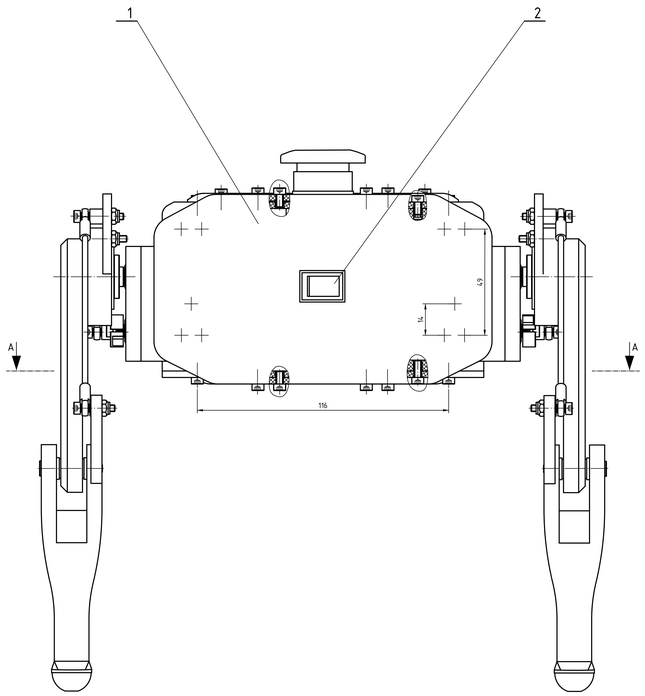
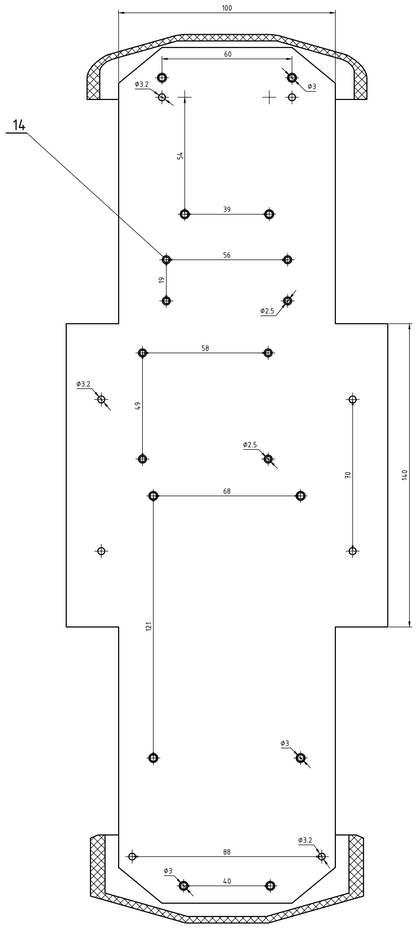
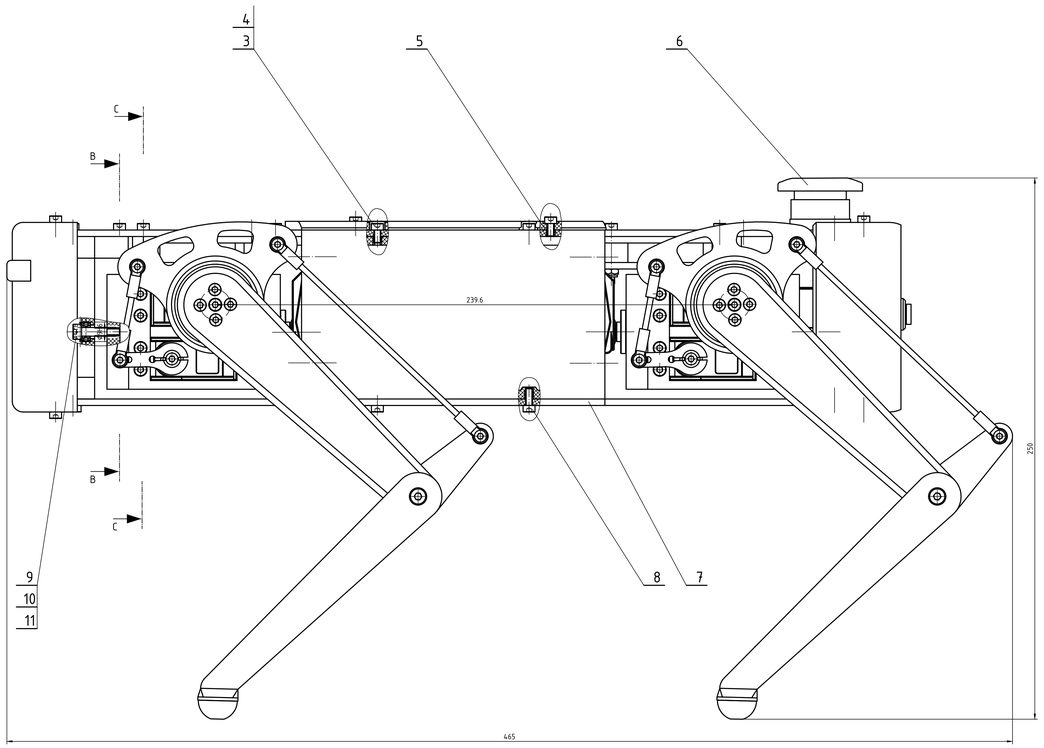
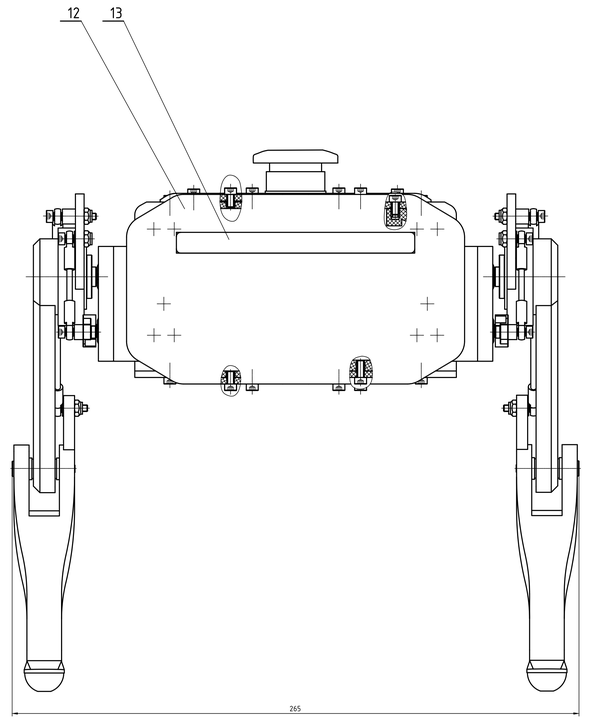
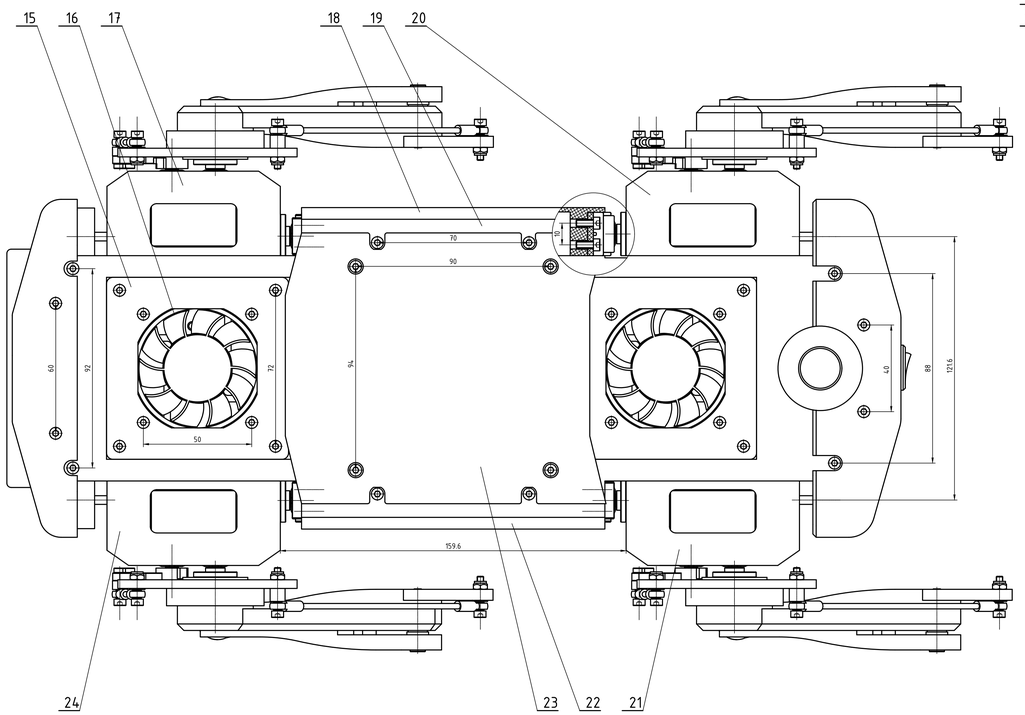


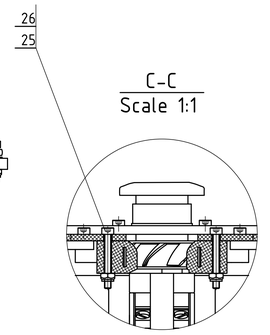
A-A
Scale 1:1





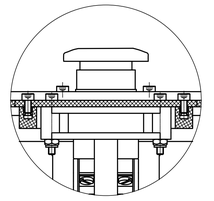






C-C
Scale 1:1

B-B
Scale 1:1



TECHNICAL REQUIREMENTS:

1. UNIT: MM
2. INSTALL ALL THREADED INSERTS USING SOLDERING IRON
3. START ASSEMBLING FROM EACH LEG MODULE TO THEIR RESPECTIVE LEFT AND RIGHT HIP
4. CONNECT TWO HIP ASSEMBLIES TO THE BASE PLATE
5. CONNECT THE TORSO TOP PLATE TO THE HIPS AND TOP AND BACK STRUCTURES
6. CONNECT THE TOP COVER PLATE AND FAN COMPONENTS TO THE TORSO TOP PLATE

No.	Symbol	Name	Q.ty	Material	Notation
26	UM3KL	M3 Torque Prevailing nut	8	Inox 304	Ocvitmin
25	TM3I4-25	M3x25 Socket Head Screw	8	Inox 304	Ocvitmin
24	L.FL	Front-Left Leg Module	1		Workshop
23	A.1.8	Top Cover Plate	1	PLA	Workshop
22	A.1.6	Left Hip	1	PLA	Workshop
21	L.BL	Back-Left Leg Module	1		Workshop
20	L.BR	Back-Right Leg Module	1		Workshop
19	A.1.7	Top Torso Plate	1	Acrylic	Workshop
18	A.1.5	Right Hip	1	PLA	Workshop
17	L.FR	Front-Right Leg Module	1		Workshop
16	M60R-M-AB	6x6 DC Cooling Fan	2		Nidec
15	A.2.1	Fan Holder Plate	2	Acrylic	Workshop
14	2TD3-2.5-3.7	M2.5x3.7x3 Threaded Insert	8	Brass	Ocvitmin
13	A.1.3	Front Eye Piece	1	PLA	Workshop
12	A.1.2	Front Structure Cover	1	PLA	Workshop
11	4TD4-6-4	M4x6x4 Threaded Insert	4	Brass	Ocvitmin
10	221000058378	628ZZ Ball Bearing	4		Misumi
9	TS416-20	M4x20 Socket Shoulder Screw	4	Inox 304	Ocvitmin
8	TM3I4-8	M3x8 Socket Head Screw	32	Inox 304	Ocvitmin
7	A.1.1	Base Plate	1	Acrylic	Workshop
6	ZRNK	LA38-11ZS E-Stop Button	1		Nshopvn
5	3TD3-4.1-3	M3x4.1x3 Threaded Insert	24	Brass	Ocvitmin
4	3TD3-4.1-4	M3x4.1x4 Threaded Insert	40	Brass	Ocvitmin
3	TM3I4-6	M3x6 Socket Head Screw	26	Inox 304	Ocvitmin
2	OZGS	KCD1 On Off Button	1		Nshopvn
1	A.1.4	Back Structure Cover	1	PLA	Workshop

DESIGN OF QUADRUPED ROBOT

Capstone Project

Func.	Full name	Sign	Date
Design	P.D.K.Nguyen		15/05
Instruct.	L.D.Hanh		
Approve.	L.D.Hanh		

QUADBK QUADRUPED ROBOT ASSEMBLY

Capstone Project

Quantity	Weight	Scale
1	3.4kg	1:1
Sheet: 3	Total sheet: 5	

HO CHI MINH CITY UNIVERSITY OF TECHNOLOGY
FACULTY OF MECHANICAL ENGINEERING
CLASS CC19CDT1