

4		3		2		1	
ITEM NO.		PART NUMBER		DESCRIPTION		QTY.	
1		Frame		Mild steel square pipe		1	
2		Holding vice part 1		Mild steel plate		2	
3		Stepper motor holder		Mild steel plate		2	
4		Motor		4 Nm Torque Stepper Motor		5	
5		Z-axis base		Mild steel square pipe		1	
6		z-axis rail holder		PLA plastic		8	
7		Z-axis top plate		Mild steel plate		2	
8		Rail holder		PLA plastic		20	
9		Z-axis rail		Stainless pipe		4	
10		Y-axis rail		Stainless pipe		2	
11		Y-axis base		Mild steel square pipe		1	
12		Y-axis rail		Stainless pipe		2	
13		X-axis base		Mild steel square pipe		1	
14		Holding vice part 2		Mild steel shaft and plate		1	
15		X-axis base plate		Mild steel plate		1	
16		Coupling		12mm coupling		4	
17		X-axis threaded shaft		12mm theaded shaft		1	
18		Z-axis threaded shaft		12mm threaded shaft		2	
19		Threaded shaft holder		Pla plastic		4	
20		Y-axis threaded shaft		12mm threaded shaft		1	
21		Chuck and tool		Chuck machine with cutting tool		1	
22		Z-axis threaded shaft holder		PLA plastic		2	

DEPARTMENT OF MECHATRONIC ENGINEERING FACULTY OF ENGINEERING FEDERAL UNIVERSITY OYE EKITI	
PROJECT TITLE	
DEVELOPMENT AND PERFORMANCE EVALUATION OF A CNC MORTISING MACHINE WITH HYBRID USER INTERFACE	
DRAWN BY	ADEMILOYE IBRAHIM BUNMI
MATRIC NO	MENG/MTE/19/002
CHECKED BY	ENGR(PROF.) ADEFEMI A. ADEKUNLE
APPROVED BY	ENGR(PROF.) ADEFEMI A. ADEKUNLE
SCALE	1:16
DATE	DECEMBER, 2021
ALL DIMENSION IN MILLIMETERS	

