

**UNIVERSITY COLLEGE TATI (UC TATI)****FINAL EXAMINATION QUESTION BOOKLET**

COURSE CODE	: BME 2134
COURSE	: MANUFACTURING PRACTICE
SEMESTER/SESSION	: 2-2023/2024
DURATION	: 12 HOURS 2 HOURS THEORIES 10 HOURS PRACTICAL

Instructions:

1. To obtain maximum marks, follow the dimension as per drawing.
2. Write legibly and draw sketches wherever required.
3. If in doubt, raise your hands and ask the invigilator.

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO**THIS BOOKLET CONTAINS 7 PRINTED PAGES INCLUDING COVER PAGE**

MANUFACTURING PRACTICE (BME 2134)

QUESTION 1**Work Schedule**

- a) According to item 2 (Milling), item 3 and item 4 (Turning) and item 5 (Benchwork), illustrate the work procedures.
- | | | |
|------|-----------|-----------|
| i. | Benchwork | (4 Marks) |
| ii. | Turning | (3 Marks) |
| iii. | Milling | (3 Marks) |
- b) Duration: 2 Hours.

QUESTION 2**Milling Section**

- a) Study the drawing carefully and **construct** the given workpiece as per dimensions.
- b) Use suitable tools
- c) Duration: 4 Hours. (30 Marks)

QUESTION 2**Turning Section**

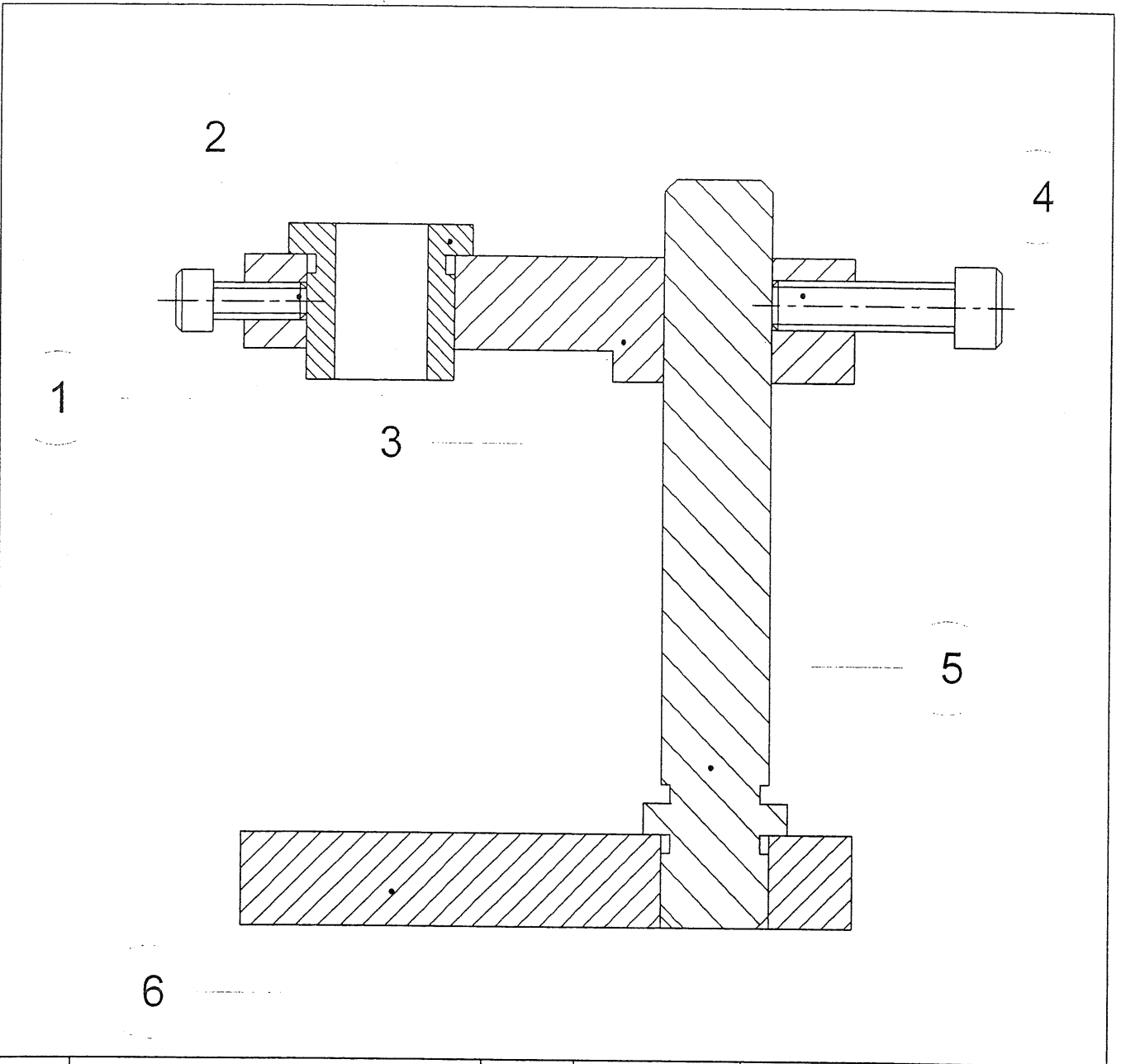
- a) Study the drawing carefully and **construct** the given workpiece as per dimensions.
- b) Use suitable tools
- c) Duration: 3 Hours. (30 Marks)

QUESTION 2**Benchwork Section**

- a) Study the drawing carefully and construct the given workpiece as per dimensions.
- b) Use suitable tools
- c) Duration: 3 Hours. (30 Marks)

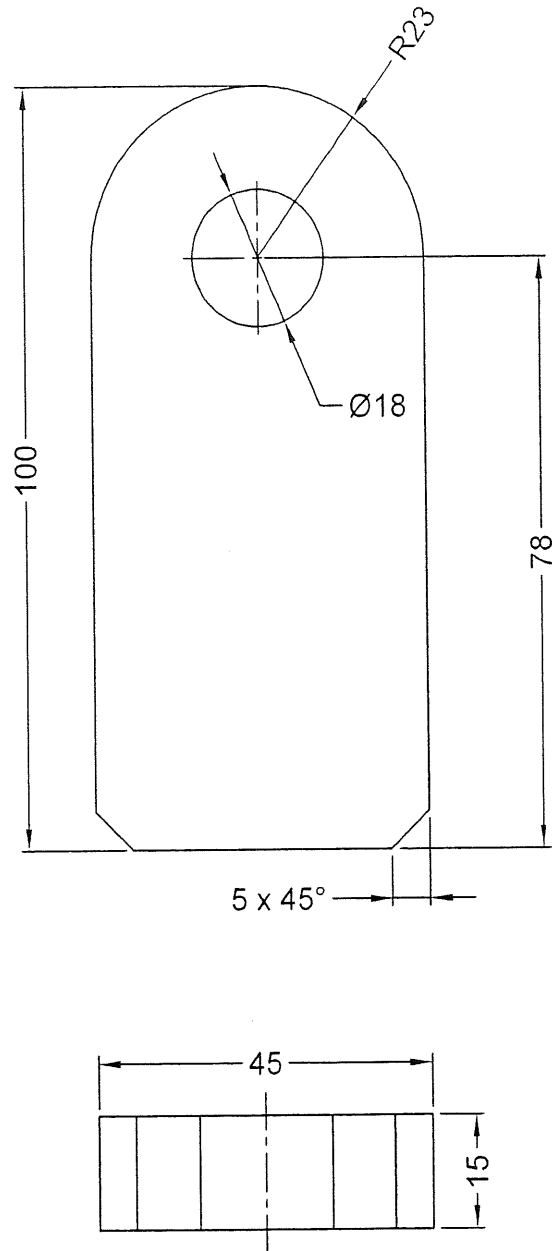
-----End of questions-----

MANUFACTURING PRACTICE (BME 2134)



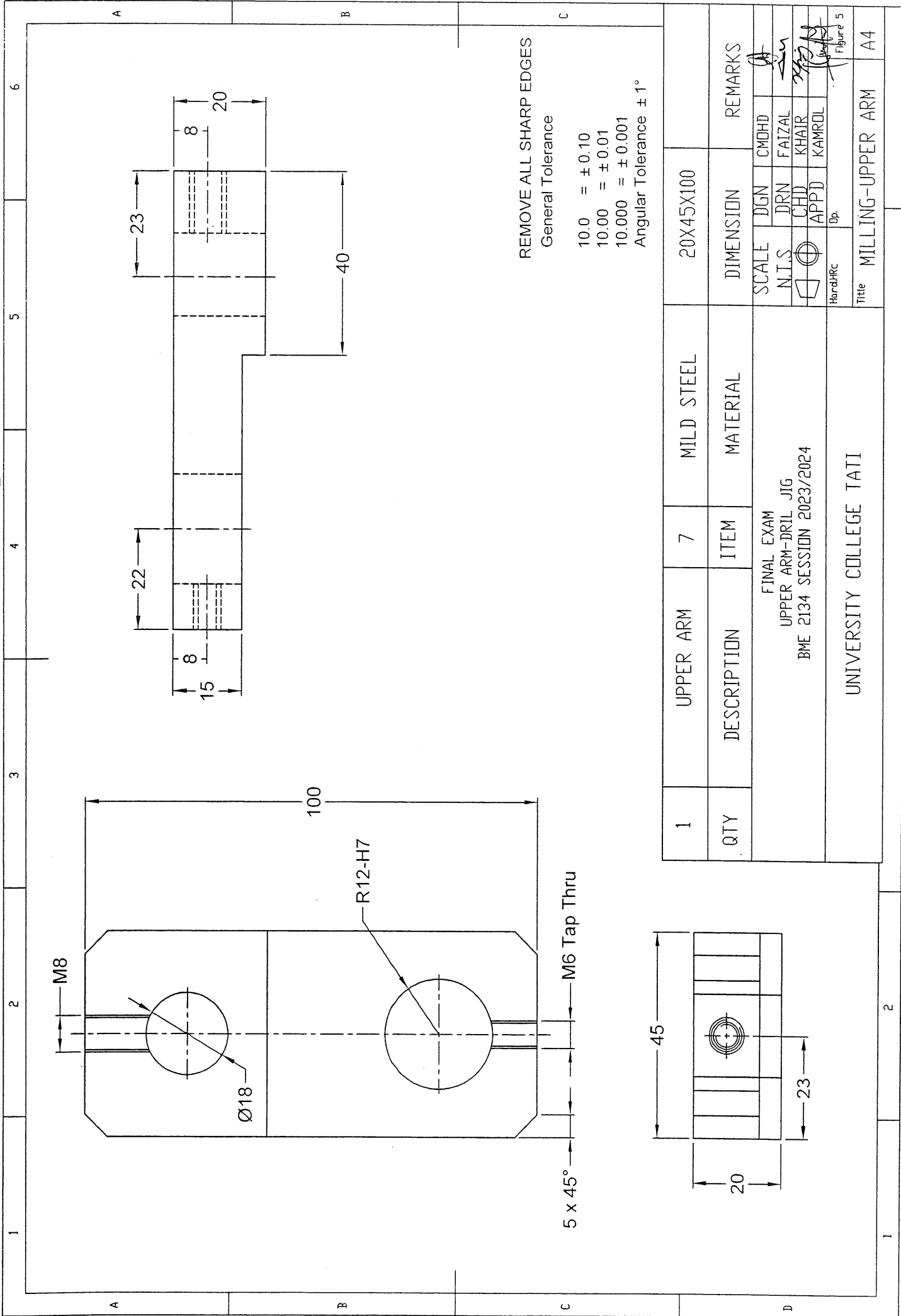
6	BASE PLATE	1	MILD STEEL	100X45X15	
5	GUIDE PILLAR	1	MILD STEEL	∅24X120	
4	CAP SCREW	1	STD	CB8-30	
3	UPPER ARM	1	MILD STEEL	45X45X20	
2	DRILL BUSH.	1	MILD STEEL	∅30X25	
1	CAP CREW	1	STD	CB6-15	
QTY	DESCRIPTION	ITEM	MATERIAL	DIMENSION	REMARKS
FINAL EXAM DRILL JIG ASSEMBLY BME 2134 SEMESTER 1, SESSION 2023/2024				DGN DRN CHD APPD	CMohd FAIZAL KHAIR KAMROL
UNIVERSITY COLLEGE TATI				Hard.HRC Op.	Figure 1
				Title	DRILL JIG ASSEMBLY A4

MANUFACTURING PRACTICE (BME 2134)



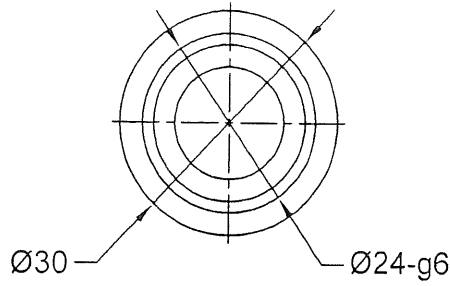
REMOVE ALL SHARP EDGES
ALL DIMENSION IN MILIMETER

1	BASE PLATE	6	MILD STEEL	100X45X15	
QTY	DESCRIPTION	ITEM	MATERIAL	DIMENSION	REMARKS
FINAL EXAM BOTTOM PLATE-DRILL JIG BME 2134 SEMESTER 1, SESSION 2023/2024				DGN DRN CHD APPD	CMohd FAIZAL KHAIR KAMROL
UNIVERSITY COLLEGE TATI				HardHRC Op.	Figure 5 Title BENCHWORK-BASE PLATE A4

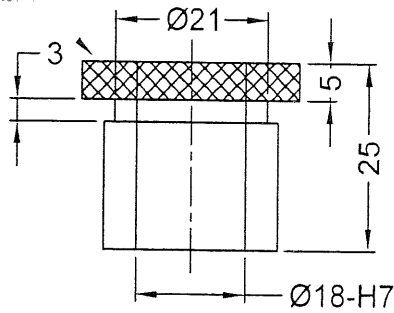


1	UPPER ARM	7	MILD STEEL	20X45X100	
QTY	DESCRIPTION	ITEM	MATERIAL	DIMENSION	REMARKS
FINAL EXAM UPPER ARM-DRILL JIG BME 2134 SESSION 2023/2024					
UNIVERSITY COLLEGE TATI					
SCALE			DGN	CM/DHD	
N.I.S			DRN	FAIZAL	
			CHD	KHAIR	
HardHRC			APPD	KAMROL	
			Op.		
Title					MILLING-UPPER ARM
					A4

Figure 5

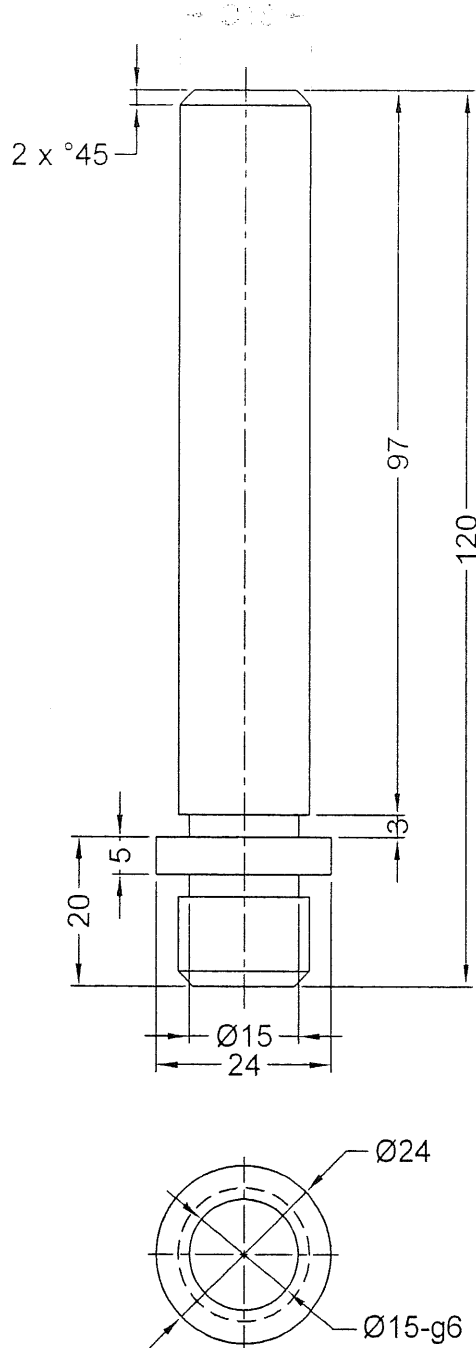


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REMOVE ALL SHARP EDGES
ALL DIMENSION IN MILIMETER

1	DRILL BUSH	1	MILD STEEL	Ø30X25	
QTY	DESCRIPTION	ITEM		DIMENSION	REMARKS
FINAL EXAM DRILL BUSH-DRILL JIG BME 2134 SEMESTER 1, SESSION 2023-2024				DGN DRN CHD APPD	CMohd FAIZAL KHAIR KAMROL
UNIVERSITY COLLEGE TATI				Hard.HRc Op.	Figure 4 A4
				Title	TURNING-DRILL BUSH



REMOVE ALL SHARP EDGES
ALL DIMENSION IN MILIMETER

1	GUIDE PILLAR.	1	MILD STEEL	Ø24x120	
QTY	DESCRIPTION	ITEM	MATERIAL	DIMENSION	REMARKS
FINAL EXAM GUIDE PILLAR-DRILL JIG BME 2134 SEMESTER 1, SESSION 2023/2024				DGN DRN CHD APPD	CMohd FAIZAL KHAIR KAMROL
UNIVERSITY COLLEGE TATI				Hard.HRc	Op.
				Title TURNING-GUIDE PILLAR	A4

Figure 3

