

A

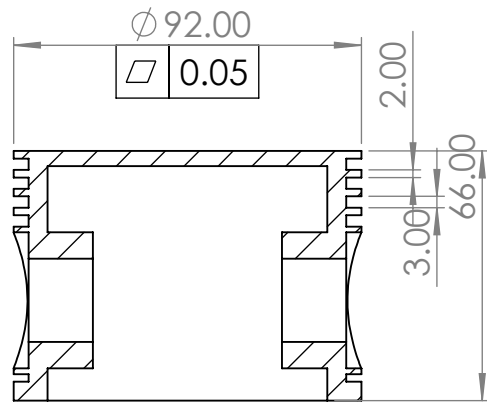
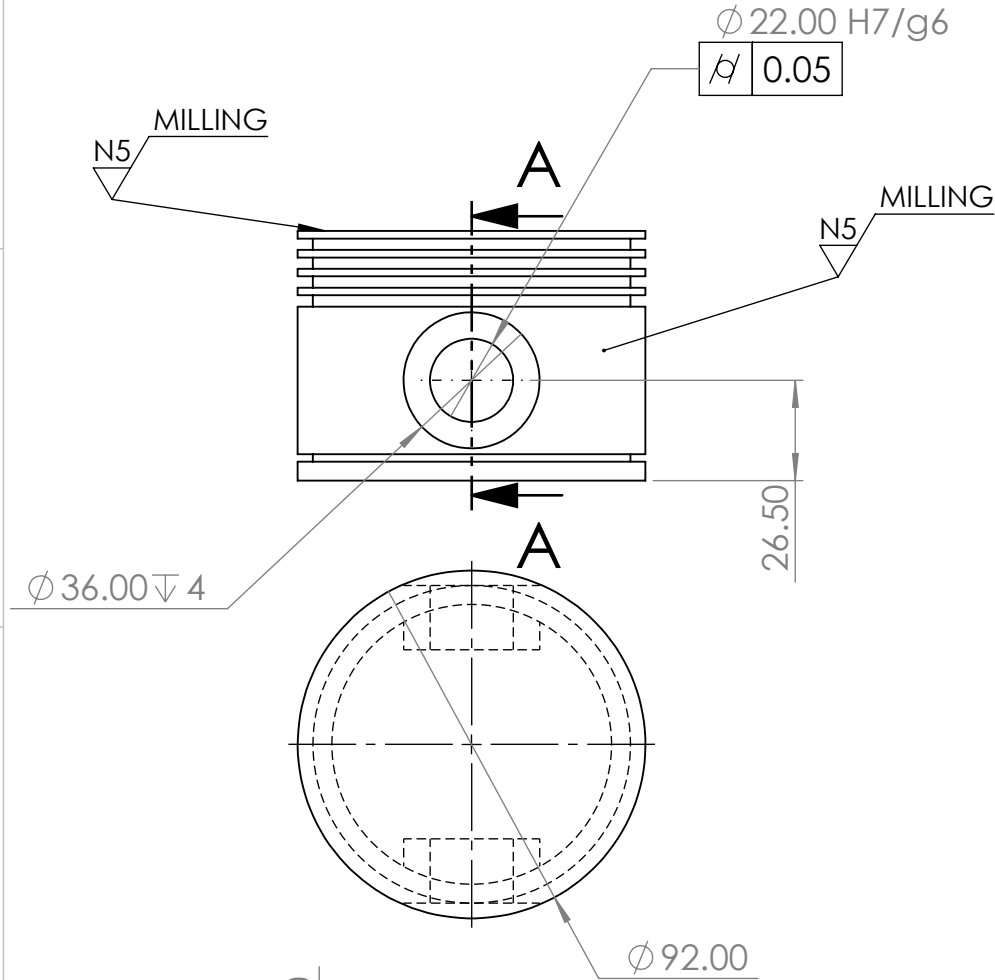
B

C

D

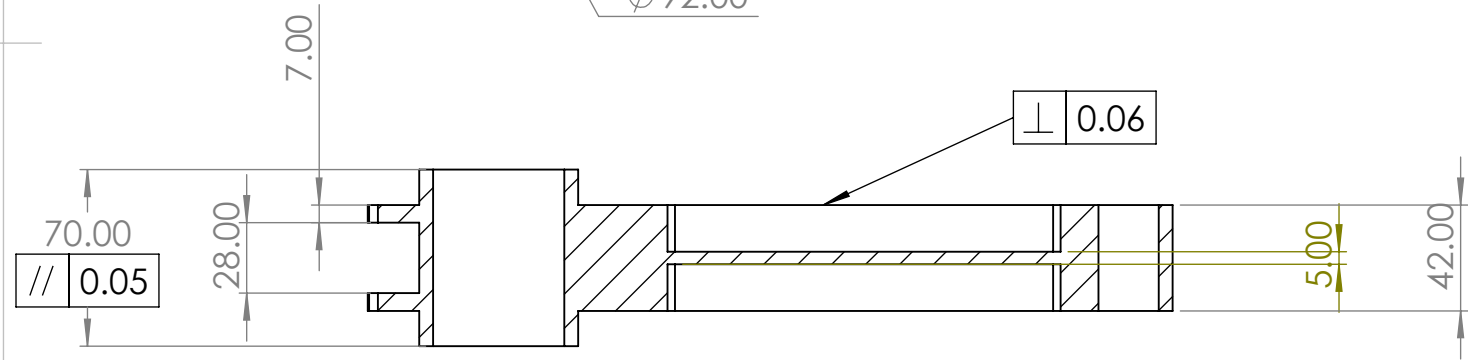
E

F



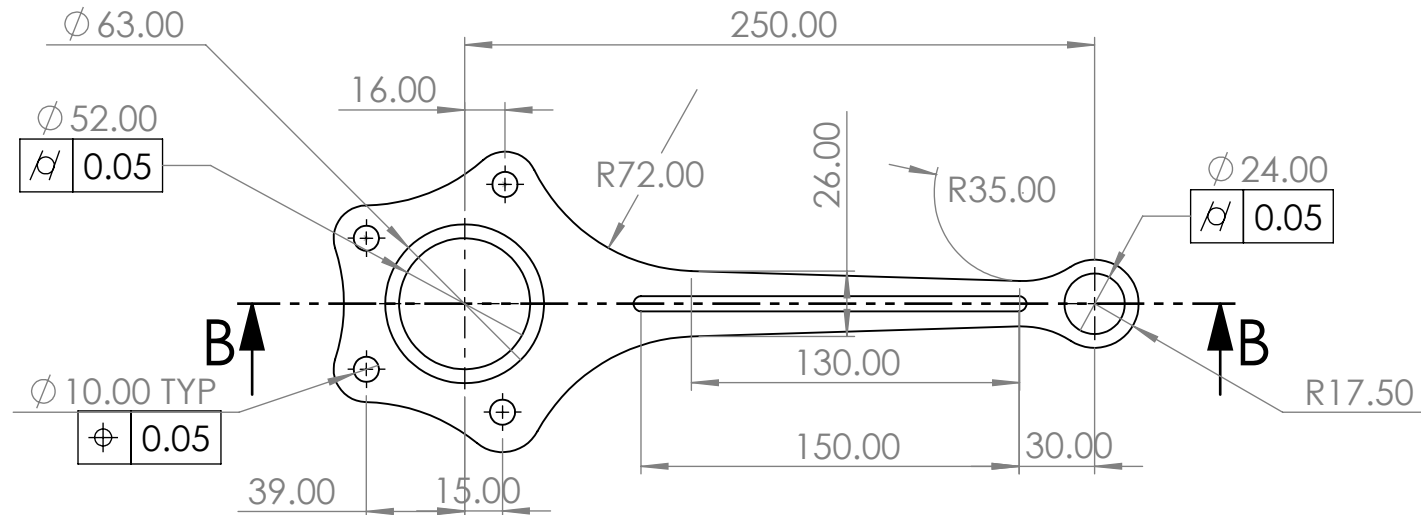
SECTION A-A  
SCALE 1 : 2

PISTON



SECTION B-B  
SCALE 1 : 3

MASTER ROD



ALL UNITS ARE IN 'mm'

DHWAJ JOSHI

24BME0486

L41+L42+L43+L44

Vellore Institute of Technology  
(VIT)

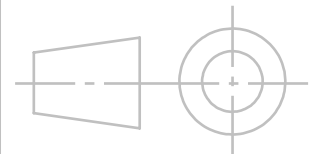
SCALE 1:1

SHEET 1 OF 4

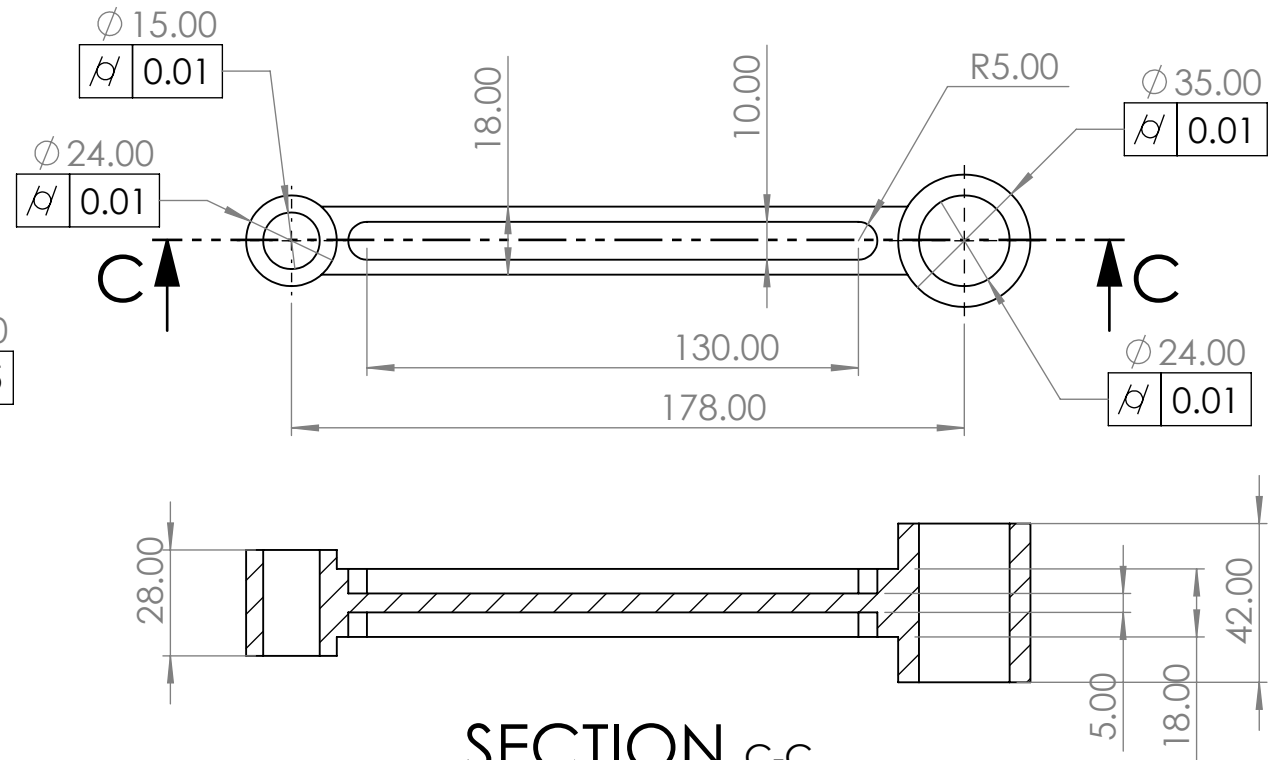
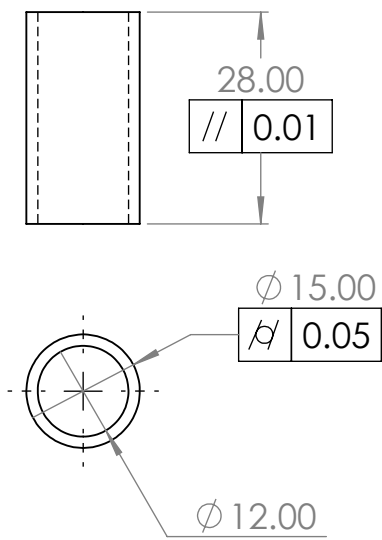
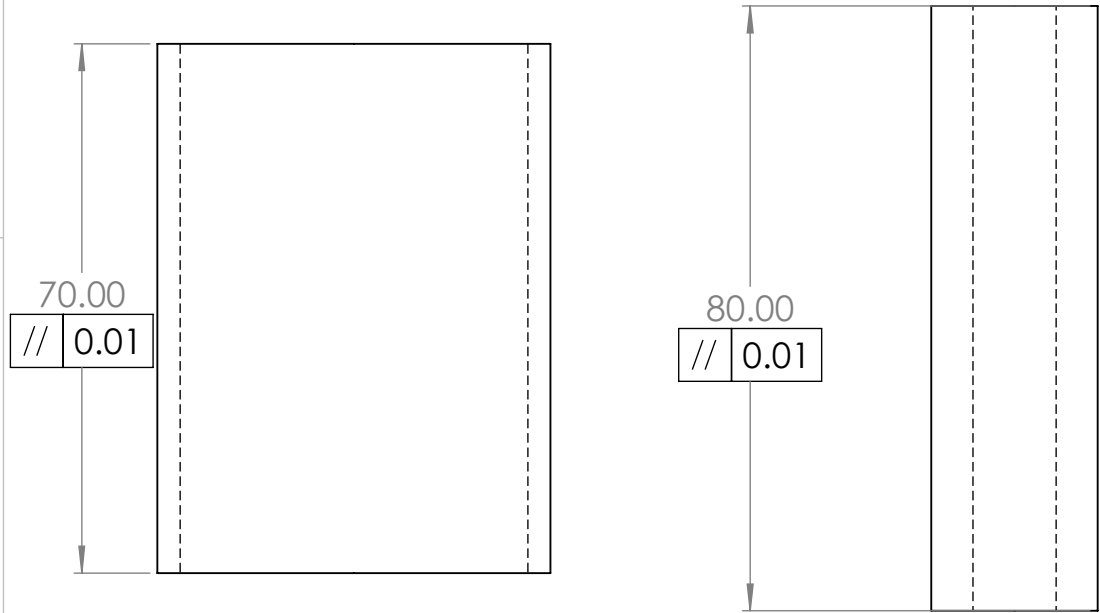
MODELLING

15/10/2025

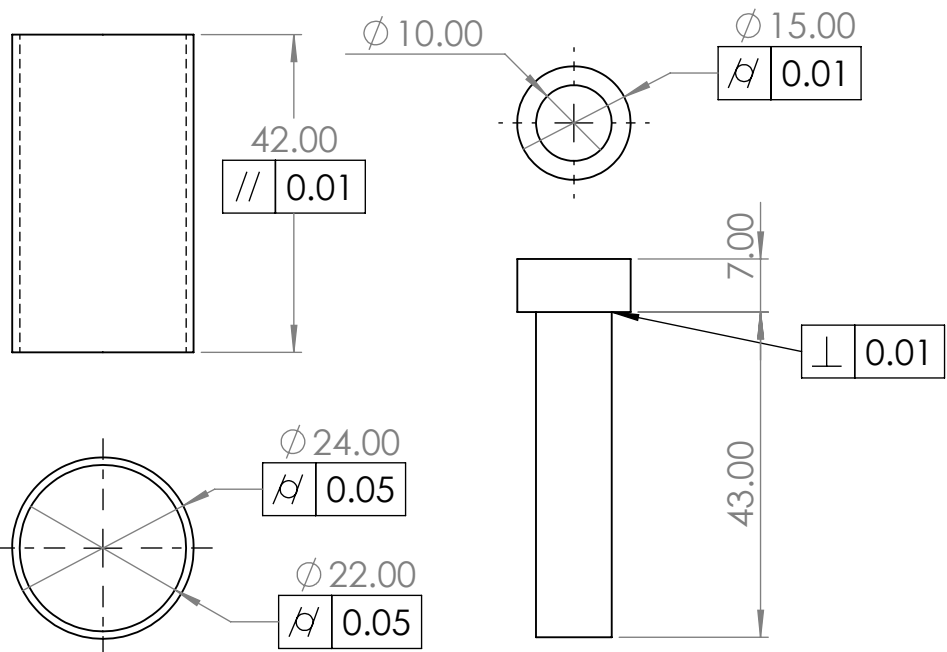
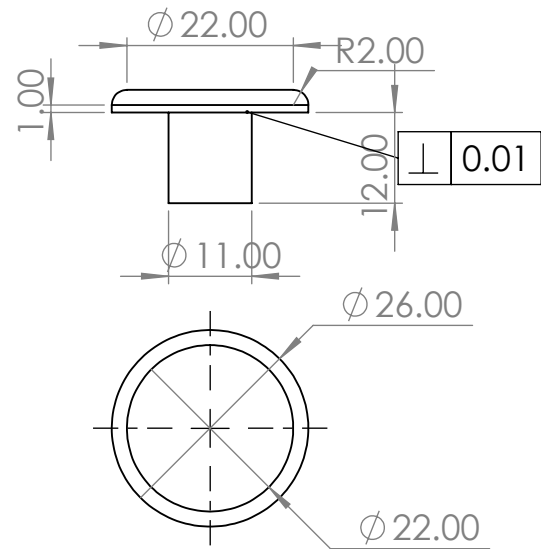
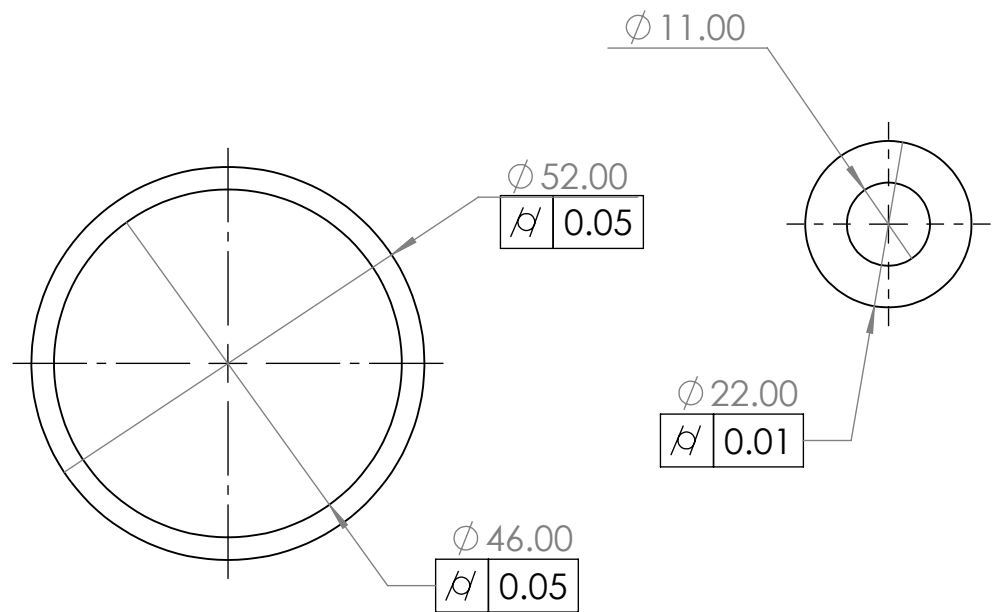
FACULTY SIGNATURE



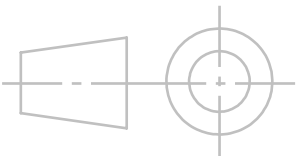
A  
B  
C  
D  
E  
F



SECTION C-C  
SCALE 1 : 2



ALL UNITS ARE IN 'mm'

DHWAJ JOSHI		MODELLING	
24BME0486			
L41+L42+L43+L44	Vellore Institute of Technology (VIT)		15/10/2025
SCALE 1:1	SHEET 2 OF 4		FACULTY SIGNATURE

A

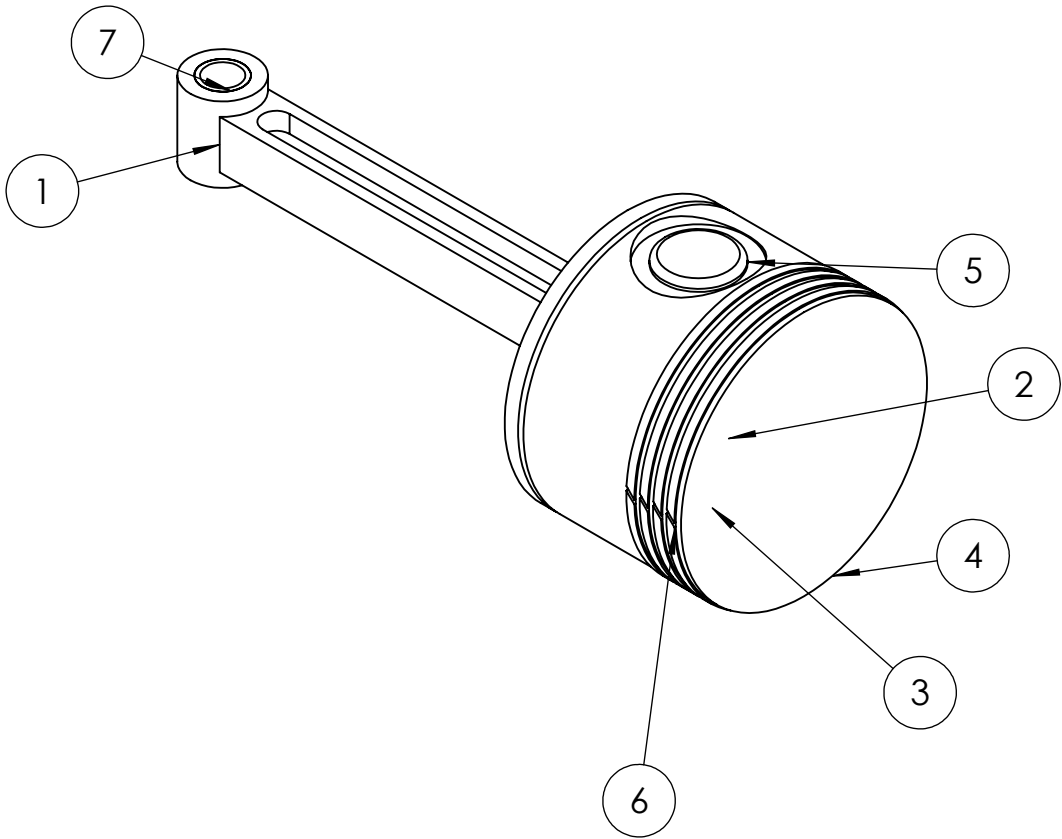
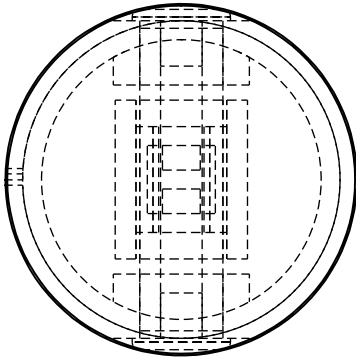
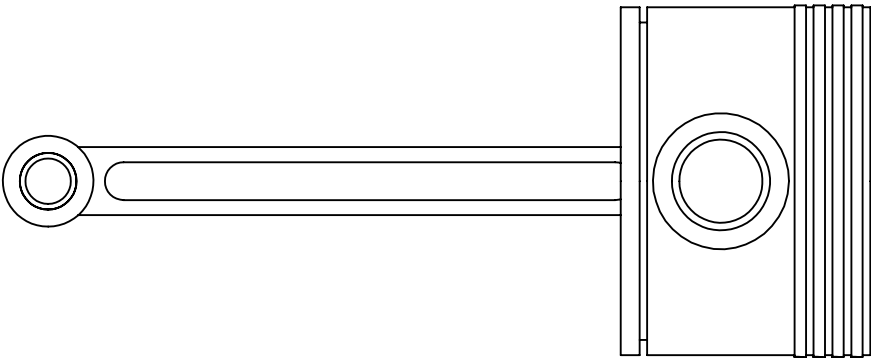
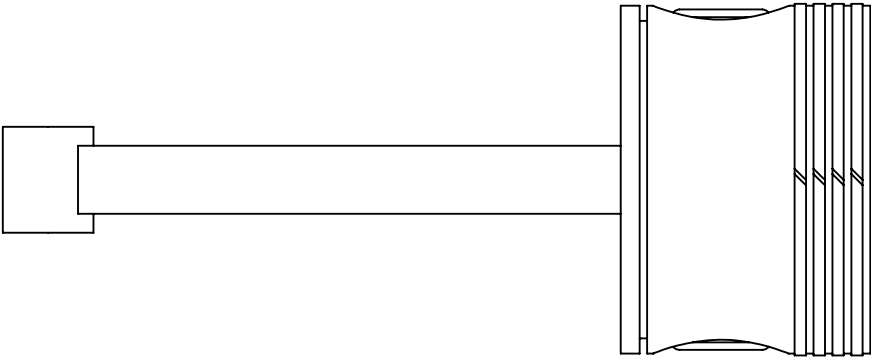
B

C

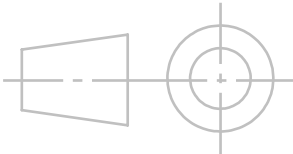
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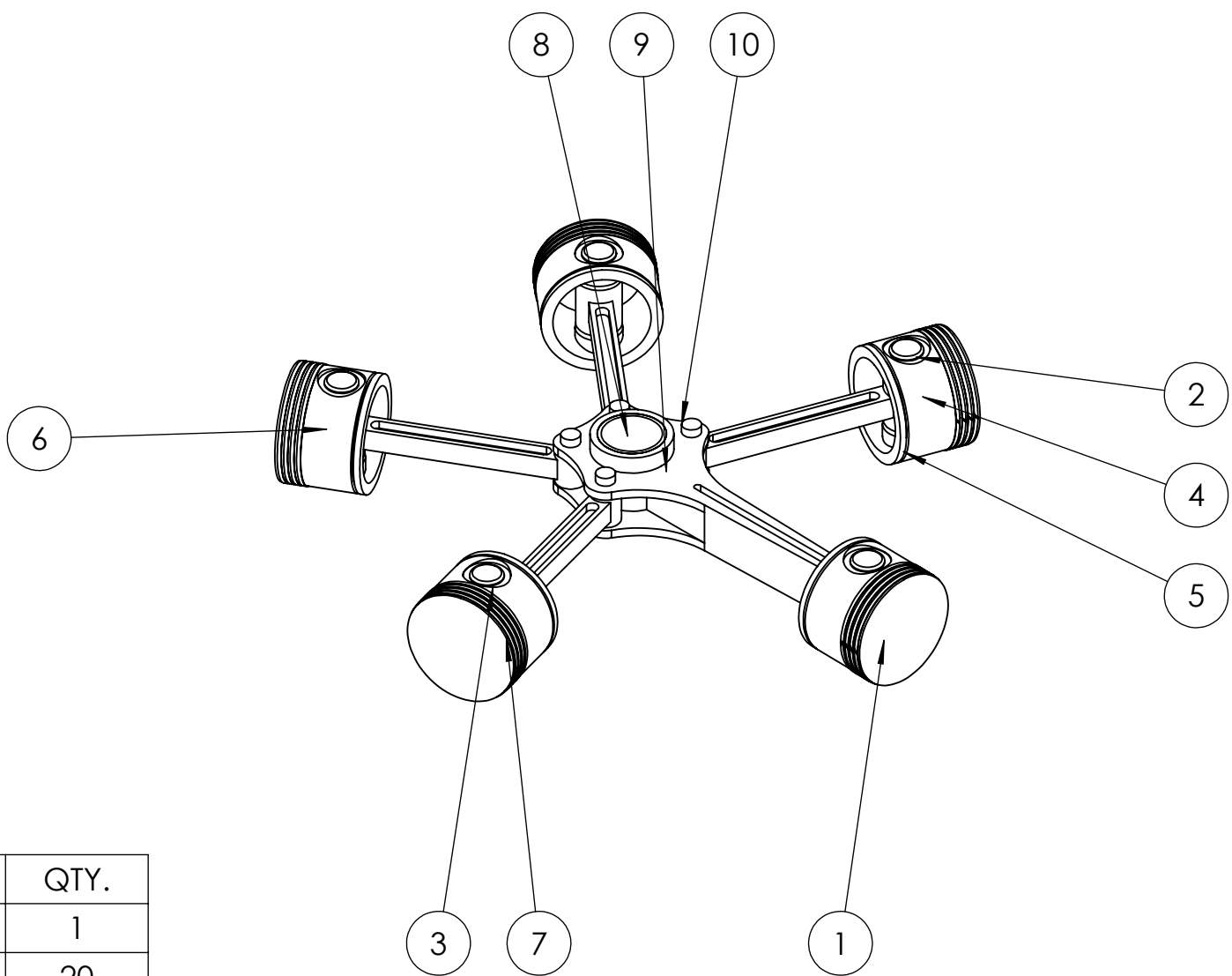
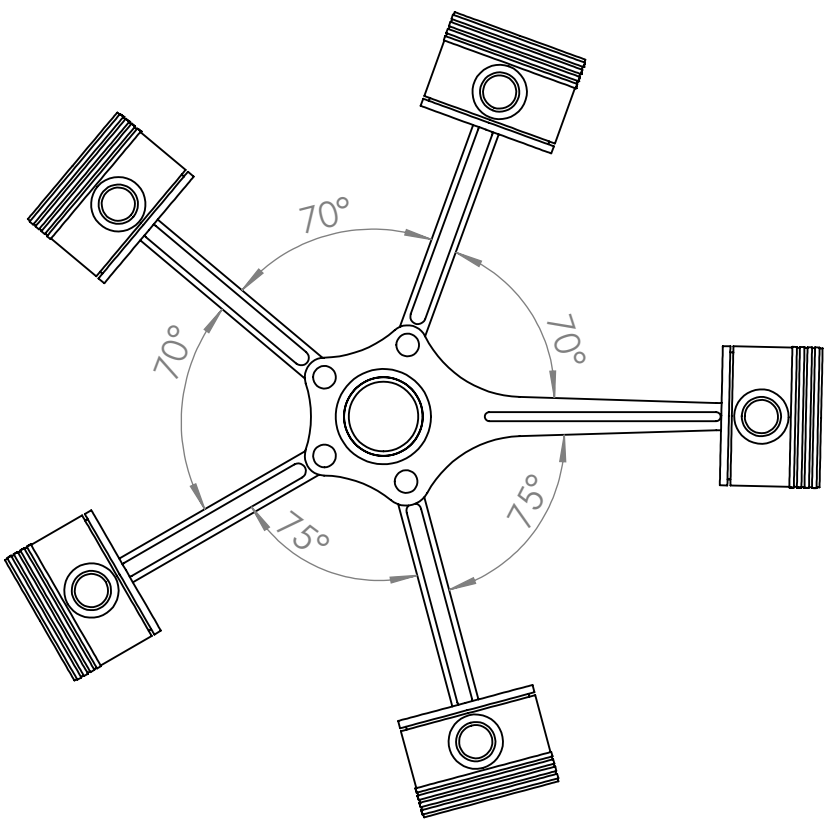
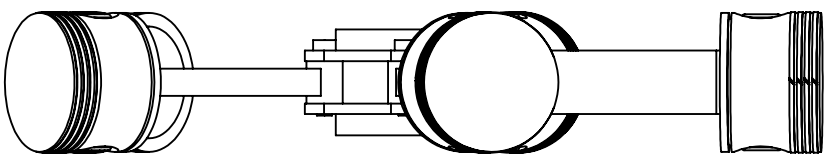
E

F



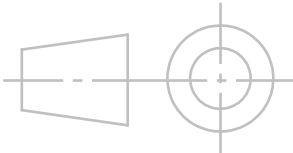
ALL UNITS ARE IN 'mm'

DHWAJ JOSHI		SUB-ASSEMBLY	
24BME0486			
L41+L42+L43+L44	Vellore Institute of Technology (VIT)	15/10/2025	FACULTY SIGNATURE
SCALE 1:2	SHEET 3 OF 4		



ITEM NO.	PART NAME	MATERIAL	QTY.
1	MASTER ROD	MCS	1
2	PISTON RING	CS	20
3	PISTON PIN PLUG	MS	10
4	BUSH ROD UPPER	Babbitt	5
5	PISTON	Al	5
6	PISTON PIN	Ni-Cr Steel	5
7	ARTICULATED ROD	MCS	4
8	BUSH PIN LOWER	Babbitt	4
9	MASTER ROD BEARING	Cd-Ag	1
10	LINK PIN	HCS	4

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DHWAJ JOSHI		ASSEMBLY	
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L41+L42+L43+L44	Vellore Institute of Technology (VIT)		15/10/2025
SCALE 1:2	SHEET 3 OF 4		FACULTY SIGNATURE