

LIST OF MACHINES IN TRAINING SECTION

SR. NO.	DESCRIPTION	MAKE MODEL	Qty.	SPECIFICATIONS
1	CNC MACHINING CENTRE	DECKEL- MAHO 50 T	01	X 500, Y 400, Z 400 MM RPM 10 – 9000 MAX. LOAD 200 KG HEIDENHAIN TNC
2	CNC MILLING MACHINE	HASS – TM 1	04	X=762 MM, Y=400MM, Z=300MM RPM 4000 MAX LOAD 300 KG HASS CONTROL
		BFW - SURYA VF 30	02	X=800 MM, Y=350MM, Z=380MM RPM 6000 MAX LOAD 300 KG WITH SIEMENS, FANUC CONTROL
		ACE – MCV 350	03	X 400, Y 350, Z 480 MM RPM 6000 MAX. LOAD 400 KG FANUC CONTROL
		ACE – SPARK XL	02	X 400, Y 300, Z 250 MM RPM 8000 MAX. LOAD 200 KG FANUC CONTROL
		JYOTI - PX 30	03	X 760, Y 410, Z 510 MM RPM 8000 MAX. LOAD 500 KG FANUC, SIEMENS CONTROL
3	CNC LATHE MACHINE	HAAS - TL 1	05	MAX TURNING DIA X 200 MM, Z 700 MM RPM 2000 HAAS CONTROL
		JYOTI - DX150	02	MAX TURNING DIA 250 MM, Z 350MM RPM 4500 FANUC, SIEMENS CONTROL
		ACE - JOBBER JUNIOR	03	MAX TURNING DIA 200. Z 300MM, RPM 3500 FANUC, SIEMENS CONTROL
		ACE - TUTOR	03	MAX TURNING DIA 190 MM, Z 200MM RPM 3500 FANUC, SIEMENS CONTROL
		ACE - JE 06 LM	05	MAX TURNING DIA 320 MM, Z 300MM RPM 4000 FANUC CONTROL
4	CNC WIRE CUT	ELECTRONICA ECO CUT	02	X 250, Y 200, Z 200 MM ELECTRONICA CONTROL
		ELECTRONICA SPRINT CUT	01	X 300, Y 400, Z 225 MM ELECTRONICA CONTROL
5	CNC SPARK EROSION	ELECTRONICA XPERT 1	01	X 400 MM, Y 300 MM, Z 300 MM MAX. LOAD 1000 KG
6	ZNC SPARK EROSION	ELECTRONICA SMART ZNC	02	X 250 MM, Y 200 MM, Z 250 MM MAX. LOAD 1000 KG
7	3D PRINTING	AMS HYDRA 16A	01	FDM 400 X 300 X 250
		MARKFORGED MARK 2	01	FDM 320 X 132 X 154
		AD RxP 2200 Plus	01	FDM 305 X 205 X 575
8	UNIVERSAL MILLING	MIKRON WF 3 SA	01	X 500 Y 500 Z 380 MM RPM 20 – 2240 HEIDENHAIN TNC
9	CONVENTIONAL LATHES	GEDEE WEILER LZ 350	06	SWING DIA 350 X CENTRE DIA 825
		KIRLOSKAR ENTERPRISE 380	04	SWING DIA 380 X CENTRE DIA 1000
		KIRLOSKAR ENTERPRISE 355	04	SWING DIA 355 X CENTRE DIA 750
		PIONEER 175	10	SWING DIA 350 X CENTRE DIA 750
		HMT NL 22	01	SWING DIA 500 X CENTRE DIA 1500
10	CONVENTIONAL MILLING	BFW UF 2	01	X 1350 Y 315 Z 250 MM RPM 45 - 3200
		VF 2	05	X 1350 Y 315 Z 250 MM RPM 45 - 3200
		VF 1	11	X 1245 Y 250 Z 230 MM RPM 45 - 3200
		HMT FN 1U	02	X 1350 Y 800 Z 315 MM RPM 45 - 2000
		HMT M1 TR	01	X 1070 Y 230 Z 760 MM RPM 60 - 2200
11	PRECISION SURFACE GRINDER	PROTH PSGS3060BH	01	TABLE SIZE 600 X 300 MM
		KENT	01	TABLE SIZE 500 X 200 MM
12	SURFACE GRINDER	KIRLOSKAR	02	TABLE SIZE 700 X 350 MM
		ELB INDIA	01	TABLE SIZE 300 X 150 MM

13	CYLINDRICAL GRINDER	HMT K130	02	φ 125 MM MAX. DIA GROUND MAX. GRINDING LENGTH 550 MM
		PARISHUDH	01	φ130 MM X 1400 MM, TABLE TRAVEL 450 CENTRE HEIGHT 100 MM
14	SPARK EROSION MACHINE	MMT / VIDYUT SY / SP	01	X 250, Y 150, Z 200 MM, MAX. LOAD - 500KG.
15	3D PANTOGRAPH ENGRAVING	PRECISION ENGG. / MH 45R	01	X 160, Y 305 MM RPM 450 – 10000 CLAMPING AREA 320 X 450 MM
16	HYDRAULIC TRAINING KIT	FESTO (DUAL STATION)	02	--
17	PNEUMATIC TRAINING KIT	FESTO (DUAL STATION)	02	--
18	PLC	ALLEN BRADELY	01	-
		SIEMENS S7-300	07	-
		SIEMENS S7-1500	05	-
19	EMBEDDED SYSTEMS	ADM TRAINER KIT	50	-
20	VLSI	SPARTAN -3	40	-
		ALTERA	5	-
21	AC DRIVES	SIEMENS- G120	1	-
22	PRODUCT AUTOMATION (MPS)	PRODUCT AUTOMATION KITS	8	-
23	AUTOTRONICS	FULLY EQUIPED AUTOTRONICS TRAINER KITS	25	-
24	PROCESS AUTOMATION	FULLY EQUIPED PROCESS AUTOMATION TRAINER KITS	5	-
25	TOOL & CUTTER GRINDER	PRAGA 3197	01	RPM 3600 - 5000
26	SINGLE LIP CUTTER	KIRBA	02	-
27	SHAPER	RK	01	X 500 Y 350 Z 760 MM
28	PRESS / INJECTION MOULDING	OEHLASS	01	250 KGS
29	SOLAR TRAINING KIT	ON GRID SOLAR KIT	01	0.5 kw ON GRID SOLAR GENERATION SYTEM – TRAINNIG KIT (FULLY EQUIPPED)
		ON GRID SOLAR KIT	01	0.5 kw OFF GRID SOLAR GENERATION SYTEM – TRAINNIG KIT (FULLY EQUIPPED)
		SMART SOLAR STREET LIGHT SYSTEM (FULLY EQUIPPED)	01	40W SMART SOLAR STREET LIGHT SYSTEM
30	CIVIL SURVEYING	AUTOLEVEL_NIKKON	01	-
		GPS GARMIN	01	-
		TOTAL STATION NIKKON	02	-

• CAD CAM CAE / CNC MACHINING LABS

- CAD LABS – 05
- CAM LABS – 02
- CAE LAB – 02
- CIVIL ENGINEEING SOFTWARE LAB - 03
- CNC MACHINING LAB – 05
- CNC PROGRAMING LAB – 02
- CNC SIMULATOR LAB - 02
- COMPUTER HARDWARE MAINTENANCE LAB – 01
- ADVANCE NETWORKING LAB – 02
- INTERNET LAB – 01
- METROLOGY LAB – 01
- PLC & SCADA LAB- 02
- MECHATRONICS LAB-01
- MATLABLAB – 01
- ELECTRICAL CAD- 01

- EPLAN LAB -01
- PRODUCT AUTOMATION LAB- 01
- PROCESS AUTOMATION LAB- 01
- AUTOTRONICS LAB- 01
- ELECTRICAL DRIVES LAB – 01
- EMBEDDED LAB – 01
- VLSI LAB – 01
- HYDRAULICS & PNEUMATICS LAB – 01
- SAMSUNG- 01

• HIGH END CAD CAM CAE SOFTWARES

PRODUCT CONCEPTUALIZATION, PRODUCT DEVELOPMENT, REVERSE ENGINEERING IS DONE WITH LATEST & UPDATED VERSION OF SOFTWARES LIKE

▪ CAD

- UNIGRAPHICS – NX19
- CREOPARAMETRIC 3. 0/4.0
- CATIA – V6
- SOLIDWORKS - 2018
- INVENTOR - 9
- MDT - 6
- AUTOCAD – 2020/21/22
- ELECTRICAL CAD- 2020

▪ CAM

- UNIGRAPHICS – NX19
- MASTERCAM – X9
- DELCAM – 2017

▪ CAE

- ANSYS – 19.0
- HYPERWORKS - 2020
- MOLDEX 3D - 2021
- NASTRAN
- MOLD FLOW – MPA - 4.0
- COSMOS
- PRO PLASTIC ADVISOR

▪ CIVIL ENGINEERING

- AUTOCAD – 2020/21/22
- 3DS MAX - 2020/21/22
- REVIT ARCHITECTURE – 2020/21/22
- AUTOLEVEL
- STAAD PRO -V8i
- GPS
- TOTAL STATION

▪ CNC PROGRAMMING & MACHINING

- MTS

▪ AUTOMATION

- TIA- V13/V14
- WINCC COMFORT
- MICROWIND-3.8
- MATLAB-R2015b
- EPLAN ELECTRC P8
- CROSSWARE
- FLUIDSIM
- SIEMENS SINAMICS

▪ SAMSUNG

- RACHA
- AUDIO VIDEO
- HHP