



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

DEPARTMENT OF MECHANICAL ENGINEERING

CAD/CAM LABORATORY

CAD/CAM (computer-aided design and computer-aided manufacturing) refers to computer software that is used to both design and manufacture products. CAD is the use of computer technology for design and design documentation. CAD/CAM applications are used to both design a product and program manufacturing processes, specifically, CNC machining. CAM software uses the models and assemblies created in CAD software to generate tool paths that drive the machines that turn the designs into physical parts. CAD/CAM software is most often used for machining of prototypes and finished parts.

List of Equipment

S. No	Item	Make	No. of Units	Cost per Unit (Rs.)	Total Cost (Rs.)
1	Auto Cad	Auto desk	24	Open source	Open source
2	CATIA	Dassault Systems	15	33,827	5,07,400
3	SOLIDWORKS	Dassault Systems	60	7080	4,24,800
4	ANSYS	Ansys	50	13800.00	6,90,000
5	MAT LAB	MathWorks	60	7910.00	4,74,000
6	CADEM	Cadem Software Private Limited	30	18,880	5,66,400
7	Aristo sim along with robotic arm	MTAB	10	69,500	6,95,000
8	Computer Numerical Control Drill tap center 6 station tool	Ace Micrometric	1	15,50,000	15,50,000
9	Computer Numerical Control Lathe	Lokesh Machine Tools	1	12,80,000	12,80,000
10	CNC Simulator Capsturn and Capsmill	Fanuc	1	3,14,116	3,14,116
Total Cost (Rs.)					65, 01,716
(In words: Rupees sixty five Lakhs sixty one thousand and seven hundred and sixteen only)					

Date: 07-04-2022

Principal