

**Infrastructure:****A. Laboratories:**

The Labs are equipped with state-of-the-art equipment (Computer assisted IC engines and , advanced softwares like Ansys, Catia, Auto CAD etc.,)

**Heat and Mass Transfer Lab :**

FLOOR AREA - 11.77 M x 9.3 M

S.NO.	NAME OF THE EQUIPMENT	COST
01	EQUIPMENT UNDER MODROBS SCHEME 1. Computerized Heat Exchanger 2. Pressure Controller trainer 3. Temperature Controller trainer 4. Level Controller	6,20,002/-
02	ONLINE UPS SYSTEM – 3 KVA	68,796/-
03	AIR-CONDITION TEST RIG	49,500/-
04	DROP AND FILM –WISE CONDENSATION APPARATUS	23,100/-
05	HEAT TRANSFER THROUGH PIN FIN APPARATUS	15,400/-

**Mechanical Engineering Lab-I**

FLOOR AREA - 20.30 M x 9.37 M

S.NO.	NAME OF THE EQUIPMENT	COST
01	ASSEMBLY KIT FOR DIFFERENT TYPES OF MECHANISM KIT	23,815/-
02	MECHANICS APARATUS FOR ATD LAB	5,500/-
03	ELECTRICAL STOP WATCH	4,850/-
04	STOP WATCHES 1/5" SECONDS USSR	3,280/-
05	SPARE HEATER REDWOAL	840/-

### Mechanical Engineering Lab -II

S.NO.	NAME OF THE EQUIPMENT	COST
01	APEX COMPUTERISED ENGINE TEST SETUP. DT. 21-04-2006	5,27,366/-
02	5 GAS ANALYSER. DT. 03-03-2009	3,31,875/-
03	UNI-INST VARIABLE COMPRESSSION, CURRENT DYNAMOMETER. DT. 09-02-2007	1,66,250/-
04	FIE BALANCING MACHINE . DT. 25-04-1998	98,305/-
05	VARIABLE COMPRESSON RATIO PETROL ENGINE . DT. 09-12-1982	48,453.75

### CAD Lab

FLOOR AREA - 12.15 M x 9.30 M

S.NO.	NAME OF THE EQUIPMENT	COST
01	ANSYS 11.0 – 25 USERS DT. 31-12-2008	9,75,000/-
02	Systems HP X 2000 WORK STATIONS - 05X2,10,000 HP X 2100 WORK STATIONS - 06X1,95,000 COMPAQ EVO D 380MX - 08X59,990 HP COMPAQ DX 6100 - 20X31,442 DELL OPTPLEX 740 - 08X25,000	35,36,760/-
03	NASTRAN AND ALGOR MULTI PHYSICS (99 USERS) DT. 14-03-2006	3,00,000/-
04	CATIA V5 R5 SOFTWARE DT. 02-07-2001	2,00,000/-
05	3 KVA UPS (APC) DT. 19-10-2004	1,42,500/-
06	LCD PROJECTORS (HP DLP VP 6120) DT. 30-10-2004	1,15,000/-
07	UPS 22. KVA DT. 31-05-2002	1,13,985/-
08	UPS – 2KVA DT. 18-10-2004	1,00,440/-
09	ANSYS 5.5 DT. 30-09-1999	1,00,000/-

### Engineering Graphics lab-I (Mechanical Bhavan)

FLOOR AREA - 19.77 M x 9.3 M

S.NO.	NAME OF THE EQUIPMENT	COST
01	HP COMPAQ SYSTEMS. DT. 11-04-08	16,57,500/-
02	SONY LCD PROJECTOR. DT. 14-10-08	49,750/-
03	AHUJA AUDIO SYSTEM	20,500/-

### Engineering Graphics lab-II (Visweswarayya Bhavan)

S.NO.	NAME OF THE EQUIPMENT	COST
01	HP COMPAQ DX 2280 DT. 19-09-2006	19,17,500/-
02	COMPUTER APPLICATION SOFTWARE – AUTO DESK DT. 19-09-2006	09,77,600/-
03	APC S SORT 3000 UX1 – UPS DT. 19-09-2006	02,08,000/-
04	LCD PROJECTOR DT. 31-01-2007	71,500/-
05	PUBLIC ADDRESS SYSTEM DT. 01-12-2008	20,500/-

#### B. Library:

To cater the needs of students more than 1,700 books are available in department library apart from a large number of books and journals available at Knowledge Resource Centre(KRC).

Further, a number of e-journals and e-books are available under E-Library service of KRC.

## **Achievements of the Department:**

### ***Significant achievements of the department or faculty or students during the past five years:***

1. Dr. M.R.S. Satyanarayana received summer fellowship by Indian National Academy of Engineers, New Delhi in year 2006
2. Dr. R.R.Srikant's bio-data was included in the Marquis who's who.
3. A number of the department faculty members are identified as reviewers by journals of national and international repute.
4. ME (MD & FM) course introduced during the academic year 2005-06.
5. 1<sup>st</sup> department in the GIT to conduct the International conference(ICASDA) in 2005.
6. The department has started an IEI student chapter with the help of local IEI center in the year 2008.
7. The IEI award will be given to the best student by the IEI chapter.
8. Doctorial (Ph.D) program is introduced in Mechanical Engineering from the academic year 2008-09.
9. Above 06 faculty members were awarded with Ph.Ds.