



# MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

363, Arcot Road, Kodambakkam, Chennai – 24  
Approved by AICTE & Affiliated to Anna University

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## Details of Computers & Computing Laboratories

| Sl. No. | Name of the Laboratory   | Department | Systems Count     | Configuration   | Legal Software  |
|---------|--|------------|-------------------|---|---|
| 1       | MAD & OOPS Laboratory  | IT         | 36                | HP ProDesk 400 G2 MT (TPM DP)- Intel Core i7                                      | C / C++ / Java or equivalent compiler, android studio   |
| 2       | Network and Security Laboratory  | IT         | 36                | HP 280 G3 MT- Intel Core i7   | C / C++ / Java / Python / Equivalent Compiler, Network simulator like NS2/ Glomosim/ OPNET/ Packet Tracer / Equivalent GnuPG, KF Sensor or Equivalent, Snort, Net Stumbler or Equivalent                        |
| 3       | Project Laboratory   | IT         | 36                | HP 280 G3 MT- Intel Core i7   | C / C++ / Java / Python / Equivalent Compiler   |
| 4       | Data Structures, Case Tools and Software Engineering Lab               | IT         | 36                | HP 280 G3 MT- Intel Core i5   | C / C++ / Java/Equivalent Compiler ArgoUML that supports UML 1.4 and higher Selenium, JUnit or Apache JMeter  |
| 5       | Python and C Laboratory  | IT         | 36                | HP 280 G3 MT- Intel Core i5   | Python 3 interpreter C / C++ / Java/Equivalent Compiler   |
| 6       | Python and Compiler Laboratory   | IT         | 36                | HP 280 G3 MT- Intel Core i5   | Python 3 interpreter Server with C / C++ compiler and Compiler writing tools supporting 30 terminals or more. LEX and YACC  |
| 7       | Grid & Cloud Computing and OS Laboratory                               | IT         | 36                | HP ProDesk 400 G2 MT (TPM DP)-Intel Core i7                                       | Globus Toolkit or equivalent Eucalyptus or Open Nebula or equivalent, Oracle Virtual Box Server with C / C++ / Java / Equivalent compiler   |
| 8       | DWDM,WP, ITE and DBMS Laboratory                                       | IT         | 36                | HP ProDesk 400 G2 MT (TPM DP)-Intel Core i7                                       | Java, Dream Weaver or Equivalent, MySQL or Equivalent, Apache Server WEKA,RapidMiner, DB Miner or Equivalent Front end: VB/C++/JAVA or Equivalent Back end: Oracle / SQL / MySQL/ PostGress / DB2 or Equivalent |
| 9       | Problem Solving and Python Programming Laboratory/ C Programming Lab   | CSE        | 36                | HP 280 G3-Intel core i5   | Python,Turbo C/C++, DevCPP, Dos Box 0.74, Java, Net beans IDE, NS2, Red Hat Linux, Python.  |
| 10      | Object Oriented Programming Laboratory/Internet Programming Laboratory | CSE        | 36                | HP 280 G3-Intel core i5   | Python,Turbo C/C++, DevCPP, Dos Box 0.74, Java, Net beans IDE, NS2, Red Hat Linux, Python.  |
| 11      | Case Tools Laboratory/ Mobile Application Development Laboratory       | CSE        | 36                | HP 280 G3- Intel core i7  | Java, Eclipse 3.4, Net beans IDE, Rational Rose 6, Adode,Turbo Cpp, Ms- Office, adt-bundle  |
| 12      | Project & Research Laboratory  | CSE        | 36                | HP ProDesk 400 G2-Intel core i7   | Python,Turbo C/C++, DevCPP, Dos Box 0.74, Net beans IDE, Java, Eclipse 3.4, Java, Flex, Bison, Blender, GIMP  |
| 13      | Grid and Cloud Laboratory/ Compiler laboratory                         | CSE        | 36                | HP ProDesk 400 G2-Intel Core i7   | Turbo C/C++, Dev C++, Java, Net Beans, Open Stack, Ubuntu, Globus ToolKit-4, Hadoop, VM Box, Eclipse, Flex, Bison, Apache Server  |
| 14      | Database Management Systems Laboratory / Security Laboratory           | CSE        | 36                | HP ProDesk 400 G2-Intel Core i7(13 Nos), HP ProDesk 280 G3 -Intel core i7(23 Nos) | TURBOCPP, MS-OFFICE, Red Hat Linux, Putty, Oracle Server, SQL Server, Visual Basic, MS Access,JAVA, GnuPG, KF Sensor, GMER Snort, ViStumbler  |
| 15      | Graphics Laboratory / Operating System Laboratory                      | CSE        | 36                | HP ProDesk 400 G2-Intel Core i7   | Turbocpp, MS-office, Java, Dev-C++, Open gl, Net Beans, LINUX OS, Putty, NS2  |
| 16      | Data Structures Laboratory / Networks Laboratory                       | CSE        | 36                | HP ProDesk 400 G2-Intel Core i5   | Turbocpp, MS-office, Java, Dev-C++, Open gl, Net Beans, LINUX OS, Putty, NS2  |
| 17      | Embedded System Laboratory   | ECE        | 16                | HP 280 G4-Intel Core i7   | Matlab, IAR Work Bench, MASM  |
|         |  |            | 14                | HP Compaq DX2480  |   |
|         |  |            | 15 (new purchase) | HP PRO TOWER 280 G9 (INTEL CORE TM i5-12700 processor/16GB DDR4 RAM/512GB SSD)    | MAT Lab 2024b, Thonny, Keil, Xilinx, Cadence  |
| 18      | DSP/VLSI Laboratory  | ECE        | 10                | HP Compaq DX2480  | Xilinx, Tanner, Matlab  |
|         |  |            | 24                | HP G3-Intel core i5   |   |
|         |  |            | 1                 | HP 280 G3-Intel Core i3   |   |

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|----|---|-------|--------------------|--|--|
|    |   |       | 15 (new purchase)  | HP PRO TOWER 280 G9 (INTEL CORE TM i5-12700 processor/16GB DDR4 RAM/512GB SSD) | MAT Lab 2024b, Thonny, Keil, Xilinx, Cadence   |
| 19 | Linear Integrated Circuits                                    | ECE   | 16                 | HP 280 G4-Intel Core i7  | MAT Lab, PSPICE  |
| 20 | Simulation/Project Laboratory                                 | ECE   | 28                 | HP 280 G4-Intel Core i7  | MAT Lab, PSPICE  |
|    |   |       | 8                  | HP Compaq DX2480   |  |
| 21 | Power System Simulation Laboratory                            | EEE   | 35                 | HP 280 G4-Intel Core i7  | MAT Lab 2024b  |
|    |   |       | 20 (new purchase)  | HP PRO TOWER 280 G9 (INTEL CORE TM i5-12700 processor/16GB DDR4 RAM/512GB SSD) | MAT Lab 2024b  |
| 22 | Power Electronics Laboratory                                  | EEE   | 10                 | G5-Intel Core i5 (6)   | MAT Lab 2024b  |
|    |   |       | 5                  | HP 280 G4(i7)  |  |
|    |   |       | 10 (new purchase)  | HP PRO TOWER 280 G9 (INTEL CORE TM i5-12700 processor/16GB DDR4 RAM/512GB SSD) | MAT Lab 2024b  |
| 23 | Common Computer Centre  |       | 72                 | HP Pro Desk 400 G2MT (TPM DP) Intel core i7 3.6g8m hd4600                      | C, C++, Java, DEV C++, VK Publications Software  |
| 24 | CAD LAB   | MECH  | 74                 | HP Z 440   | CREO University plus education CAD/CAM/CAE software (50), MAT Lab R2016 software(30), MSC software University MD FEA Bundle with 5 users of Patran Pro/E Access & CAE Solid Modeling(150), MSC Software University MD Motlon Bundle with 5 users of CAD Translator(150), AutoCAD 2009(20), Nyclopedia Teachware + simulation software +CAPSTurn+ CAPSMill(36), C, C++,Labview(1),Cura,Visual Basic |
|    |   |       | 30 ((new purchase) | HP BZ DT 800 G9 Elite Desk PC – i9 – 12900 / 16 GB DDR4 / 512 GB               | MAT Lab 2024b, AutoCAD   |
| 25 | Mechatronics Lab  | MECH  | 5                  | HP 3330  | Fluidsim-pneumatic(50), Fluidsim-Hydraulic(5), RS LOGIC  |
| 26 | CADD Lab  | CIVIL | 22                 | HP P3090 MT  | Auto CADD 2007(30 users), STAAD PRO V8i(5 users), Structural Bundle STAAD Pro V8i (1 bundle - 45 users), Revit Academic  |
|    |   |       | 30                 | HP Z220 Workstation  |  |
|    |   |       | 5                  | HP 400 G2(MT)  |  |
|    |   |       | 11                 | HP 280 Pro G5-Intel core i5  |  |
|    |   |       | 2                  | HP Z440 Workstation  |  |
|    |   |       | 1                  | HP Compaq DX 2480  |  |
|    |   |       | 1                  | HP Z220 Workstation  |  |
| 27 | Advanced Computing Techniques                                 | CIVIL | 20                 | HP Z220 Workstation  | Pro 6.0.4 Software 10 users network version.   |
| 28 | Python, Data Structure & Design Laboratory                    | AI&DS | 30                 | HP PRO DESK 400 G7(i7/512gb, ssd,8gb ddr4 ram/dos/18.5" Display)               | Python,Dev C,NetBeans, Jupiter, MS Office  |
| 29 | Python, Data Structure & Operating System Laboratory          | AI&DS | 30                 | HP PRO DESK 400 G7 (i7/512gb,ssd, 8gb ddr4 ram/dos/18.5" Display)              | Python,Dev C,NetBeans,Jupiter, MS Office   |
| 30 | Artificial Intelligence and Machine Learning Laboratory       | AI&DS | 30                 | HP 280 MT(i7/12th GEN/8GB RAM/ 512 GB SD, DOS/Monitor 19")                     | Python, Numpy, Scipy, Matplotlib, Pandas, Seaborn, Statsmodels, Anaconda Distribution  |
| 31 | Data Science and Deep Learning Laboratory                     | AI&DS | 31 (new purchase)  | HP PRO TOWER 280 G9 (INTEL CORE TM i5-12700 processor/16GB DDR4 RAM/512GB SSD) | Python, Numpy, Scipy, Matplotlib, Pandas, Seaborn, Statsmodels   |
| 32 | Database Design and Management & Computer Networks Laboratory | AI&DS | 32 (new purchase)  | HP PRO TOWER 280 G9(INTEL CORE TM i5-12700 processor/16GB DDR4 RAM/512GB SSD)  | Python, Postgre SQL, MY-SQL, pgadmin, SQLITE   |

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|--------------|---|-------|-------------------|---|---|
| 33           | Big Data Analytics, Data Exploration and Visualization Laboratory | AI&DS | 32 (new purchase) | HP PRO TOWER 280 G9(INTEL CORE TM i5-12700 processor/16GB DDR4 RAM/512GB SSD) | Cassandra, JUPITER, Numpy, Scipy, Matplotlib, Pandas, Seaborn |
| <b>Total</b> |   |       | <b>1261</b>       |   |   |

| Computers Available in Other Locations |                       |               |
|--|-----------------------|---------------|
| S.No.                                  | Location              | Systems Count |
| 1                                      | Secretary Room        | 1             |
| 2                                      | Principal's Office    | 1             |
| 3                                      | Dean's Office         | 1             |
| 4                                      | Placement Cell        | 2             |
| 5                                      | Administrative Office | 5             |
| 6                                      | Central Library       | 15            |
| 7                                      | Seminar Halls         | 4             |
| 8                                      | First Year            | 2             |
| 9                                      | Staff Rooms           | 5             |
| <b>Total</b>                           |                       | <b>36</b>     |

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