



ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY



CHIKMAGALUR

(Accredited by N.B.A., ISO 9001:2000 Certified)
 (Affiliated to Visveswaraya Technological University, Belagavi)
 (Recognized by A.I.C.T.E, New Delhi and Government of Karnataka)
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Software's

Required software's for the conduct of various lab experiments as per the syllabi are available in the departments. The following is the list of software available in the college.

Sl. No.	Name of the Software's	Uses
1	SQL	It is a standard Database language which is used to create, maintain and retrieve the data from relational databases.
2	Eclipse	Eclipse is an integrated development environment (IDE) used in computer programming.
3	MS OFFICE 2000 PROFESSIONAL	MS office 2000 professional is used to format and manipulate text, thus, creating memos, letters, faxes, and documents.
4	Keil Uvision-4 tool/compile software	It is an integrated development environment (IDE), which integrated a text editor to write programs.
5	Chem Draw Pro 8.0	It is used for drawing molecule structures and finding stereochemistry of the molecules.
6	E TABS	It is used for the analysis and design of structures.
7	STAAD PRO	It is used for analysis & design of all types of structures.
8	E-Surveying Practice	It is used for Road, Canal, Layout, Water Supply and Sewer Design.
9	Auto CAD	Used to create precise 2D and 3D drawings and models.
10	Lab View Software + Multisim	Analog and Digital circuit design software.
11	MI POWER 9.0	It is highly interactive, user-friendly windows based Power System Analysis Package.
12	Tanner Tools Software	Very large scale circuit design /Chip design software
13	Xilinx Software	It is used for Digital Chip logic design


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14	TMS320C5416 with CCS DSP Processor	Digital Signal Processing Hardware operating software
15	ICAP SPICE SIMULATION TOOL	SPICE-simulation tool suite for analog, mixed-signal systems and digital signal processing design.
16	MATLAB 6.0	A high-level language and interactive environment for numerical computation, visualization, and programming.
17	Embedded C Programming	Embedded C Programming is nothing but an extension of using C language to control embedded systems.
18	EMRC NISA software Display III	It is used for Automotive, Aerospace, Energy & Power etc.
19	EMRC NISA Upgradation	NISA is also one of the most comprehensive engineering analysis software for Mechanical and Civil Structures.
20	AutoCAD 2000	Drafting software.
21	Upgradation of AutoCAD to Mechanical Desktop 6.0	Feature-based solid modeling software.
22	Winproxy	It can be used to connect any TCP/IP connection to the Internet with necessary devices for links.
23	Denford Turning	Software offering full machine control and Virtual Reality simulation of CNC Lathes.
24	Denford Milling.	It offers full machine control and Virtual Reality simulation of CNC Milling Machine.
25	Denford Milling / Turning License	It offers full machine control and Virtual Reality simulation of CNC Milling/Turning Machine.
26	SIX SIGMA suite of products-SPC IV	It is used for statistics and quality tools to transform the results to solve problems.
27	CATIA V5	CATIA is the World's Leading Solution for Product Design and Experience.
28	ANSYS 6.0 Software, Upgraded to ANSYS 11	Ansys Simulation gives engineers the ability to explore and predict how products will work - or won't work.
29	Robo Cell 3D Simulation	Robo Cell integrates Scor Base's robotic control software with interactive 3D solid modeling simulation.
30	Up gradation of AutoCAD & Mechanical Desktop to Inventor 8	Inventor is computer-aided design software, used for 3D mechanical design, simulation.
31	Auto CAD 2004	It is a commercial Computer Aided design drafting software.
32	Solid Edge	Solid Edge is a portfolio of affordable, easy-to-use software


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		tools that address all aspects of the product development process.
33	AME SIM1 D Software for CIM & Automation Lab	It is use to manage the increasing engineering complexity of mechanical systems, etc.
34	MULTISIM	It is an electronic schematic capture and simulation program which is part of a suite of circuit design programs.
35	TURBO C++	C++ is a general-purpose programming language widely used for competitive programming.
36	NETBEANS IDE	NetBeans allows applications to be developed from a set of modular software components.
37	VISUAL STUDIO AEE 6.0	It is used to develop computer programs, as well as websites etc.
38	ORACLE	It is used to create and manage a database.
39	Xilinx	It inserts logic analyzer and Virtual I/O low-profile software cores directly into designs.
40	TASM	The most complete programmable logic design solution for optimal performances, etc.
41	PyTorch	It is an open source machine learning framework based on the Torch library.
42	HTML	It is used to design web pages using the markup language.
43	JavaScript	It can be used for Client-side as well as Server-side developments.
44	Android Studio	It is the official integrated development environment for Google's Android operating system.
45	Flash Magic	User Interface which can load the HEX files. After programming, it can perform verification of the burned data automatically.
46	Anaconda	Anaconda is a distribution of the Python and R programming languages for scientific computing.
47	Eclipse	It is an integrated development environment (IDE) used in computer programming.
48	Jupyter Lab	It is the latest web-based interactive development environment for notebooks etc.
49	PHP MyAdmin	Free software tool written in PHP, intended to handle the administration of MySQL over the Web
50	XAMPP	To build Word Press site offline, on a local web server on your computer
51	NS2	It can be used to implement network protocols such as TCP and UPD, traffic source behavior.
52	C#	C# is a general-purpose, modern and object-oriented programming language pronounced as "C Sharp".
53	PyCharm	It is an integrated development environment used in computer programming, specifically for the Python.

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54	IDLE	It is an integrated development environment for Python.
55	Spyder	It is an open-source cross-platform integrated development environment for scientific programming in the Python language.
56	Tensor Flow	It is a free and open-source software library for machine learning and artificial intelligence.
57	CSS	It is a style sheet language used to design the webpage to make it attractive.
58	MATLAB	A high-level language and interactive environment for numerical computations etc.
59	R	R is a programming language for statistical computing and graphics supported by the R Core Team.
60	Weka	Weka contains a collection of visualization tools and algorithms for data analysis and predictive modeling.
61	Auto cad 14 and latest	AutoCAD Electrical is the software of the AutoCAD suite which is intended to help control designs etc.
62	MATLAB 7.0 & Latest	Basic operations on controls systems and signals and systems, simulations studies etc.
63	Statistical Product and Service Solution	It is used for Tabulation and Graphical representation of data collected through survey.
64	Tableau Software	Development of HR Dashboards by using Tableau Software.
65	GNU PSPP (Open Source Software)	It is supplementary software for SPSS which is paid software: Application of SPSS in HR Analytics and Student Project Work.
66	GNU R – Programming/ R Stats	It is open software for Statistical Analysis with data imported from PSPP/SPSS.
67	MS-Excel	Software is used for Application of SPSS in HR Analytics and student project work.
68	Turnitin Plagiarism Software	Software is used for Plagiarism check of Students and faculty research work.
69	Big Data Analytics	Big data analytics is a trend that has grown over the past few years, and this is something that is now being implemented in almost every kind of industry.
70	Smart Technology	Smart machines that use artificial intelligence
71	Block chain Data	Crypto currency might have been at an all-time high in 2017 and 2018, but the fact remains that this is something that is yet to see a significant amount of development.
72	Growth of IoT Networks	The Internet of Things is a concept that all digital devices are connected by a single medium through which one would be able to control everything within their homes.
73	Mobile Apps	Mobile applications have only grown in popularity over the past few years, and this year, they are surfacing in bigger and better ways.


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74	Artificial Intelligence	Artificial intelligence centers on machine coding that mimics human and animal intelligence.
75	Edge Computing	In contrast to cloud computing, where data is processed and stored far away from the end user in large data centers.
76	Quantum Computing	Quantum computing uses powerful computers to solve problems at the atomic and subatomic levels.
77	Robotics	The robotics field studies and develops robots in the pursuit of make life easier.
78	Cyber security	Cyber security focuses on protecting computer systems and networks from cyber threats and attacks.
79	Bioinformatics	Bioinformatics professionals study, store, and analyze biological information. A multidisciplinary subfield combining computer science and biology.

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