



ENGINEERS WITH
SOCIAL RESPONSIBILITY

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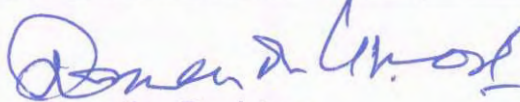
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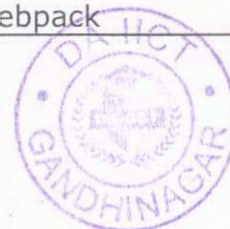
2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process.

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- [Link for Laboratories equipments and components on campus](#)
- Equipment List @Laboratories:
 - <https://lab.daiict.ac.in/index.php/laboratory/equipment>
- Component List @Laboratories:
 - https://lab.daiict.ac.in/images/pdf/component_list.pdf
- LMS/ Academic management system:
[ECampus](#) | [Moodle](#)
- Geo-Tagged Photos of Classrooms & Labs: [Weblink](#)

Equipments / Kits / Boards	License Software / packages
• Function generators • Digital Storage oscilloscopes • Analog oscilloscopes • Fixed DC voltage power supplies • Spectrum analyzers • Signal generators • Network analyzer • Transmission line analyzers • Motorized transmission line trainers • Antenna trainers • CDMA-DSSS Trainers • Microwave test bench - NVIS 9003 X band • Microwave test benches - NVIS 9002 X-Band • Microwave test benches - NVIS 9001 X-band • Drilling cum Milling machine • Milling cutter • PCB prototype machine • 3D printer • PC based table top CNC lathe machine • AC/DC stick welding machine power source • Lathe machine • Bench polisher • Network switches & HUBs • UTP cable testers • Trimble make Juno handheld GPS receivers • Variable DC voltage power supplies • Digital millimeters - handheld • Digital millimeters - Benchtop • LCR meter • IC tester • Raspberry Pi boards with accessories & various sensors	• Netsim Academic • Netsim standard • Mentor Graphic • CST STUDIO SUITE • Microsoft Dream Spark Premium • Turnitin Campus Subscription • Adobe Creative Cloud for Teams • Cadence • MATLAB • Xilinx Vivado Design Suite 14 • ENVI Software • Adobe Creative Suite 5.5 Design Premium • SPSS • Rational Rose • Xilinx • Oracle Academy Membership free • ArcGIS • Genesys • Mdk - Keil • Qualnet • Mind Manager 9 • NI Academic Site License • Autocad 2005 Open source / freeware software / packages • Adobe reader • Arduino • GCC • C++ • DEV C++ • Java • PostgreSQL • MySql • NetBeans IDE • Eclipse • JcreatorJE • PG admin III • Diptrace • Dia with shape • Logisim • ISE webpack • Vivado webpack


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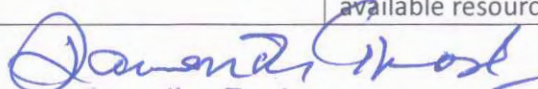


• TURTLEBOT3 Burger RPi4 4GB kits • RM X52 TNM OpenManipulators-X • OpenCR1.0 • STEM drone bundles • 37 in 1 sensor kits - Arduino compatible • Wireless keyboards / mouse • Digital /Analog Trainer kits • Cana kits • FPGA kits • NI Elvis -II kit • NI lab VIEW Robotics Starter Kits • NI USRP 2922 radio kits • Zynq-7000 AP SoC ZC702 evaluation kits with AD 9361 FMCOMMS3-EBZ evaluation board & AD 9361 FMCOMMS5-EBZ evaluation board • ARM7 LPC2148 boards with USB to serial converters • Arduino boards • Beagle bone boards • Freescale FRDM-KL25Z ARM development boards • XTRINSIC Sense Boards • STM32F746G-DISCO development boards • Boards - STM32F4DIS-CAM with 1.3MB camera • MIMXRT 1010-EVK kits • Pluto-x Drone • Weller soldering stations	• Python with libraries • Anaconda • Cuda with tool kit • Autodesk products - educational access • LTspice • Pspice • Scilab • Wireshark • SSH client • Cisco packet tracer • Open office • Web browsers - Firefox, IE, Google chrome • Notepad++ • StarUML • Visual Studio • PhP designer • AgroUML • Codeblocks • IntelliJ IDEA • Libreoffice • WinZip • WinRar • Microsoft .NET framework • Rstudio • Octave • Valgrind • OpenMP, MPICC, MPICH • Gnuplot • Paraview • Liggghts • Lammmps • GRASS GIS • Hadoop
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List of soft resources (tools, packages, media etc) used in RC for learning

Sr no.	Name of the resource	Description	Purpose
1	e-journals	• ACM Digital Library • APS Online Journals • Bloomsbury Design Library • IEL Online Library • JSTOR Archive • MARG Archives • Nature Online Journals • ScienceDirect (Comp. Sc.) • Springer Online Journals	Learning, Research, Current information.
2	e-books	• MIT eBooks Collection • Wiley eBooks Collection • Springer eBooks (Computer Science) includes LNCS Online Collection	Learning & Research.
3	e-courses	• IEEE ComSoc Tutorials • IEEE eLearning Edge Computing • Udemy Online Courses	Learning, skills upgrade, Research.
4	Statistical database	• EPWRF	EPWRF India Time Series is an interactive online database on Indian Economy.
5	e-Lectures	• NPTEL • SWAYAM • Video Courses (IIT, Bombay) • DA-IICT Special Lectures	Learning, skills upgrade, and Research.
6	e-Newspapers	• Times group	Current awareness service
7	Bibliographic databases	• ACM Guide to Computing Literature • Computing Reviews	Most comprehensive bibliographic databases.
8	Koha	• Open-source Library Management System	Carry out all the daily transactions of the library in digital format.
9	DSpace	• Open-source content management system	Manage the Digital Repository of Scholarly Resources.
10	turnitin	• Anti-plagiarism software	Detect and prevent the plagiarism of the academic and scholarly content of DAIICT.
11	Grammarly	• English text editing and improvement software	Online text editing and improvement tool for English language.
12	Research Information Management System	• IRINS (Indian Research Information Network System) Services	IRINS facilitate to collect, curate and showcase the scholarly communication activities of the faculty and scholars and provide an opportunity to create a scholarly network amongst them.
13	SOPHOS	• SOPHOS SSL VPN client software for Remote access	Enabled remote access to subscribed electronic resources.
14	D-Media	• ResourceSpace open source Digital Asset Management software	Web-based Digital Asset Management (DAM) software for store and access to digital assets.
15	RC Website	• RC website	Provides the information about the RC available resources, services and facilities.


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