

Laboratories:

Lab – 1: Data Structures and Algorithms Laboratory



Dimension: 1162.50 Sq. Ft

Lab -1

Odd Semester – Data Structure Lab

The course is designed to develop skills to design and analyze simple linear and nonlinear data structures. It strengthens the ability of the students to identify and apply the suitable data structure for the given real world problem. It enables them to gain knowledge in practical applications of data Structures.

Even Semester – Design & Analysis of Algorithms Lab

The course focuses on data abstraction and object-oriented programming techniques and is currently taught in Java. The course gives a general introduction to data structures and the algorithms that operate on those structures.

Equipments: Computers (36 in numbers)

Configuration: DELL, 500GB hard disk, LED Monitor, 4GB RAM, intel core-i5 processor

Lab – 2: ADE and Microprocessor Laboratory



Dimension: 979.51 Sq. Ft

Lab -2

Odd Semester – ADE Lab

This course provides knowledge on JFETs, MOSFETs, operational Amplifier circuits, combinational logic. It will also strengthen the ability to apply knowledge gained in the design of Counters, Registers, A/D & D/A converters.

Even Semester – Microprocessor Lab

This course will enable students to make familiar with importance and applications of microprocessors and microcontrollers. Expose architecture 8086 microprocessor and ARM Processor and instruction set of ARM Processor.

Equipments: 300 MHz 2 Channel CRO(oscilloscope), 3 MHz Signal generator with 40Mhz frequency counter, Linear modular dual tracking power supply 0-30v/ 20Amps, Power supply (+/- 12v), IC Trainer kit, Patch Chords, Spike Buster / Extension box, IC Tester, Diode BY-127 / IN-4007, MOSFET, Bread board, CRO Probes, connecting wires roll, Component Box

Lab – 3: DBMS and File Structures Laboratory



Dimension: 1162.50 Sq. Ft

Lab -3

Odd Semester – DBMS Lab

The course reviews topics such as conceptual data modeling, relational data model, relational query languages, relational database design and transaction processing and current technologies such as semantic web, parallel and SQL databases. It exposes the student to the fundamental concepts and techniques in database use and development as well provides a foundation for research in databases.

Even Semester – File Structure Lab

The objective of this course was to teach ways of efficiently organizing and manipulating data in main memory.

Equipments: Computers (36 in numbers)

Configuration: DELL, 500GB hard disk, LED Monitor, 4GB RAM, intel core-i5 processor

Lab – 4 : Software Testing Laboratory



Dimension: 1162.50 Sq. Ft

Lab -4

Even Semester – Software Testing Lab

This course will enable students to differentiate various testing techniques. Analyze a given problem and derive suitable test cases. And also design flow graphs for the same.

Equipments: Computers (36 in numbers)

Configuration: DELL, 500GB hard disk, LED Monitor, 4GB RAM, intel core-i5 processor

Lab – 5 : Web and Project Laboratory



Dimension: 1162.50 Sq. Ft

Lab -5

Odd Semester – Web Programming Lab

This course will enable students to design and develop static and dynamic web pages. Get familiarize with Client-Side Programming, Server-Side Programming, Active server pages. Also learn database connectivity to web applications.

Even Semester – Project Lab

Equipment's: Computers (36 in numbers)

Configuration: DELL, 500GB hard disk, LED Monitor, 4GB RAM, intel core-i5 processor

ADDITIONAL LABS



IOT lab

Even/Odd Semester- Program Specific Lab (IOT Lab)

MOU was signed between RevEngg Tech, Bengaluru, to conduct innovative events, technical talk, workshops, hackathons on IOT, Arduino, Raspberry Pi & android app development and for helping students in their projects.

Equipments: Programmable Robotic kit, Arduinoshield, Raspberry pi 3 Gateway, Arduino Uno with UART Cable, Node MCU, Wi-Fi Board, IR sensor, LDR, 10 K ohm Potentiometer, Bluetooth HC-05 Modules Motors + Motor driver shield



Cyber Security and Ethical hacking-Center of Excellence

Cyber Security and ethical hacking center of excellence Lab:

was established by department of information science and engineering in association with Reverse engineering info sec under the MOU with the company. A dedicated server (dual operating environments) for performing ethical hacking is designed under MAKE IN INDIA concept is placed in the lab.

Equipment's: Server, 25 machines with virtual machines and dual operating systems, Wi-Fi facility, hub, routers and LAN facilities.

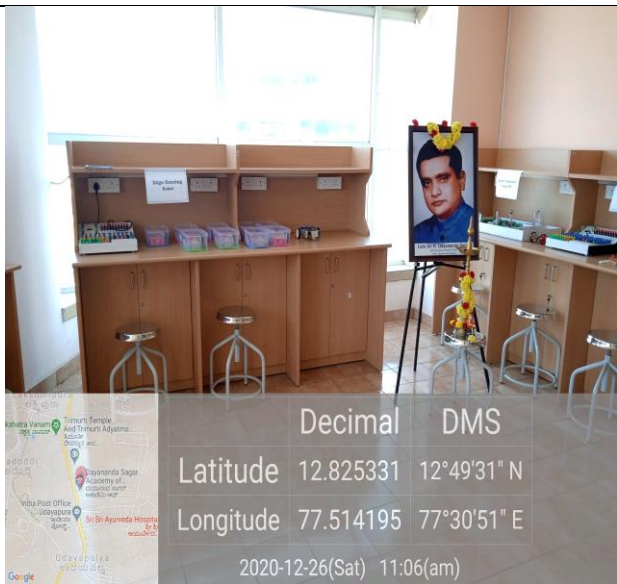


CISCO Networking Lab

CISCO Networking Lab: was established in 2019, In signing MOU with Eduskills (CISCO Networking Academy). Course on CCNA V-7 will be conducted and training to get certification on CISCO certification on network associate and IoT will be carried out for the students.

Equipments:

- Dell Optiplex 3080-C15,Corei5-10500/8G B RAM/1TB HDD/ Keyboard and Mouse/ Dell Monitor 19.5" - 2.
- AIR/AP1832I-D-K9/802.11ac Wave2 (Access Point) - 2
- WS-C2960CX-8TC-L(Network Switch) - 3
- ISR4221/K9 (Router/Switch) – 1



ROBO Lab

Robo Lab objective is to create awareness in design and development of Bluetooth Control Robot, Wireless Control Robot, Self-balancing Robot, Edge sensing robot and Robotic Arm.

Equipments: Raspberry pi 3 Gateway, Arduino Uno with UART Cable, Node MCU, Wi-Fi Board, IR sensor, LDR,10 K ohm Potentiometer, Bluetooth HC-05 Modules Motors + Motor driver shield

Class Room



Room No: 301 Capacity: 52
Dimension: 788 Sq. Ft



Room No: 302 Capacity: 59
Dimension: 788 Sq. Ft.



Room No: 303 Capacity: 76
Dimension: 803 Sq. ft.



Room No: 308 Capacity: 101
Dimension: 1312 Sq. ft.



Room No: 307 Capacity: 60
Dimension: 710.4 Sq. ft.



Room No: 407 Capacity: 80
Dimension: 968 Sq. ft.



Room No: 309 Capacity: 28
Dimension: 560 Sq. ft.



Room No: 310 Capacity: 80
Dimension: 968 Sq. ft.



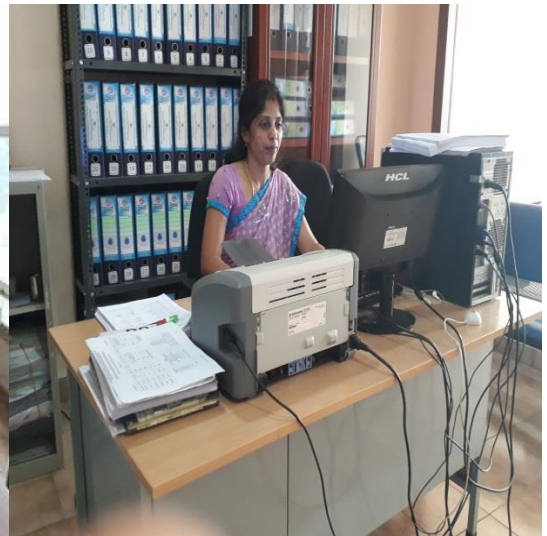
Room No: 409 Capacity: 28
Dimension: 559 Sq. ft.

HOD's Room

Department Office



Dimension: 238.05 Sq. ft.

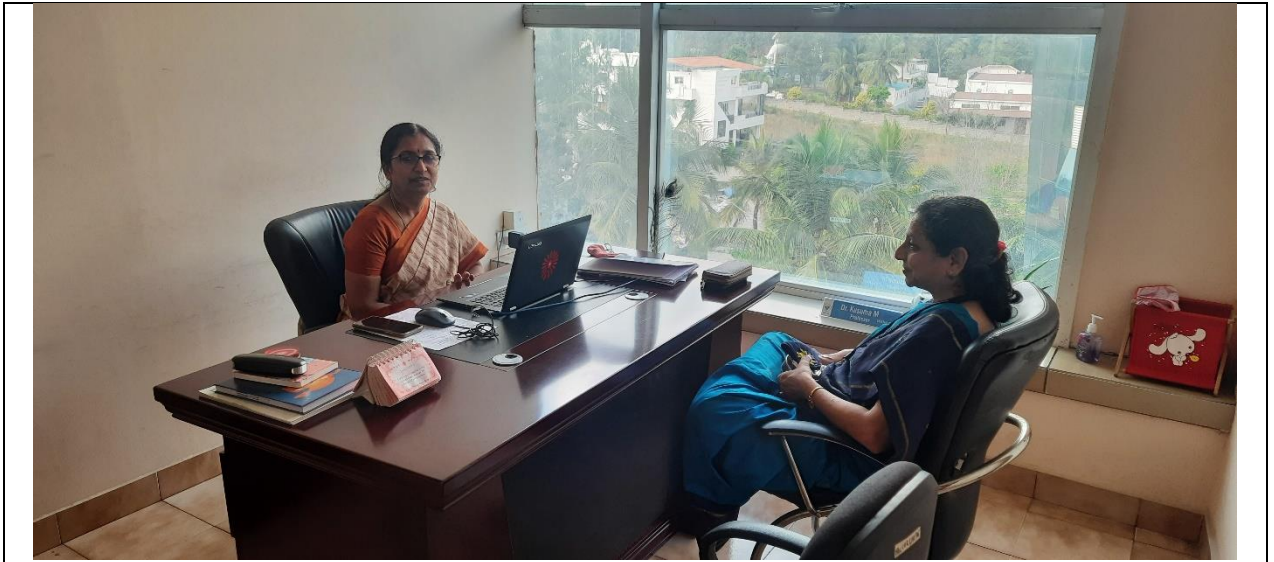


Dimension: 303.54 Sq. ft.

Staff Room



Dimension: 1005.86 Sq. ft.



PROFESSOR CABIN

Dimension: 121 Sq. ft.



ASSOCIATE PROFESSOR CABINS

Dimension: 824 Sq. ft.