

## ENHANCED LEARNING



### LABS

- Programming Languages Laboratory
- Data Structures Laboratory
- Design and Analysis of Algorithms Laboratory
- Software Engineering Laboratory
- Operating Systems Laboratory
- Database Management Systems Laboratory
- Full Stack Development Laboratory
- Artificial Intelligence and Machine Learning Laboratory
- Data Science Laboratory
- Cloud Computing Laboratory
- Cryptography and Cyber Security Laboratory
- Blockchain Technologies Laboratory

### COES

- [COE in Full Stack Application Development](#)
- [COE in Cloud Computing](#)

### VALUE ADDED COURSES

- Mastering Competitive Programming
- Cloud Security Essentials
- Groovy on Grails Devops
- Application Development using Flutter – Firebase
- Cyber Security with Kali Linux
- Mobile Web Testing with Selenium
- UI/UX Design with Figma

- Data Visualization using Power BI

## INNOVATIVE TEACHING

- Scratch Based Gamified Programming
- Coding Bootcamps
- Practice in Global Programming Platforms
- Concept Learning using Video Animation
- Collaborative Learning through Discussion forums
- Online Assessment with Quizizz
- Think-pair-share activity on Data Structures and Algorithms
- Google Colabs for Intelligent Coding
- Virtual Labs for Programming Courses
- Learning with Visual Models

## CSE Softwares

Software specifications

S.No	Name of the Software	Software Type
1	Microsoft Office Enterprise 2010	Campus agreement
2	Windows 10	Campus agreement
3	Eclipse IDE	Open source
4	OpenJDK 8	Open source
5	Python 3.10.0	Open source
6	Code::Blocks 16.01	Open Source
7	Git Bash	Open Source
8	MySQL Server 5.1	Open Source
9	Mongo DB	Open source
10	Node JS	Open source

S.No	Name of the Software	Software Type
11	JDK	Open source
12	Virtual Box	Open source
13	ReactJS	Open source
14	AngularJS	Open source
15	Visual Studio 10	Open source
16	Raptor	Open source
17	Blender	Open source
18	Canva	Online
19	Turbo C	Open Source
20	VS Code	Open Source
21	Ubuntu OS	Open source
22	Turbo C++ 3.2	Open Source
23	Codeblocks17.1	Open source
24	Putty	Open source
25	Telnet server	Open source
26	Microsoft Office Enterprise 2016	Campus agreement
27	ArgoUML	Open source
28	Jupyter Notebook	Open source
29	Cisco Packet Tracer 8	Online
30	MobaXterm	Online
31	Open stack	Online