

DSATM

Centre of Excellence

Sr. No	Name of the Research Lab	Sponsored By	Faculty	Objectives
Department of Computer Science & Engineering (CSE)				
1	Humanoid Robotics Centre	Acetians Technologies Pvt. Ltd.	Dr. C Nandini	To provide a dedicated space to innovate, build and lead in the field of advanced humanoid robotics
2	Nikki.Build	Nikki Build	Dr. C Nandini	Provide a unified platform integrating hardware, software and system workflows. To empower students to transform innovative ideas into real world solutions through hands-on projects and collaborative learning
3	AWS Cloud Computing Lab by AWS Academy	AWS Academic subscription to students	Dr. C Nandini	To provide a platform for students to get hands-on experience for the number of services provided by AWS
4	Microsoft Centre of Excellence	Microsoft Dev Tools for Teaching Subscription, Online Services, Office 365 for Education, Microsoft Azure	Dr. C Nandini	Access to Microsoft software, cloud services and infrastructure, online courses
5	CopConnect Cyber Cafe in association with ISAC & ZScaler	To tackle issues related to cybercrime and digital safety	Dr. C Nandini, Dr. Kavitha C	To provide solutions and first help for the cyber victims and training sessions in creating cyber awareness
6	AI Skill Build Lab in association with Intel and Dell	Intel powered AI labs	Dr. C Nandini	Helps students and faculties to learn emerging technologies and to carry out projects
7	Eduskills Lab	Guest lectures, workshops, hands-on sessions	Dr. C Nandini	Helps students to learn emerging technologies and to carry out projects
8	Makerspace Lab in association with Tequed Labs	Robotics kits	Dr. C Nandini	Helps students to develop projects
9	VGST Bigdata Lab	High-performance computers, server	Dr. C Nandini, Dr. Anitha J	To provide a platform for students and researchers to work on Big Data
10	NCDRC (National Cyber Defence Research Centre) Lab	National Cyber Defence Research Centre (NCDRC) of National Cyber Security Safety Standards, GOI	Dr. C Nandini	Conduct workshops, innovative events, technical talks, hackathons and to carry out projects
Department of Electronics & Communication Engineering (ECE)				
11	VGST Funded Advanced Image Processing Laboratory	VGST, GOK	Dr. Sumaiya M N	To develop signal/image processing algorithms, SAR image change detection algorithms to monitor critical changes

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12	Centre of Excellence on Drones	DSATM / Sky Riders Aero Solutions	Dr. Vignesh T	<p>Vision: To create a centre of excellence for drone technology research, innovation, skill development, and industry collaboration, empowering students to contribute to the advancement of indigenous UAV technologies and autonomous aerial systems. Mission: To provide hands-on learning, foster research and innovation, promote industry engagement, and develop skilled professionals capable of addressing real-world challenges through drone and UAV technologies</p>