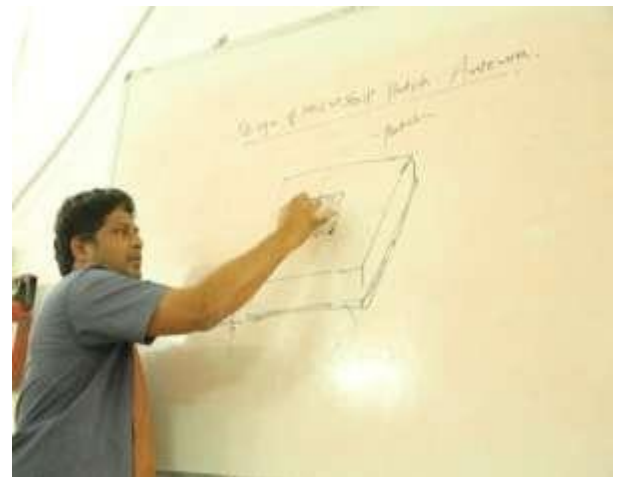


Advanced Communication Lab

Advanced Communication System Laboratory covers design and verification of the concepts of modern communication systems that operates in MHz-THz range. The main focus of this Laboratory is to design next-generation wireless technologies and mobile computing systems. In particular the research in the broad areas of wireless communications and RF Antenna Design will be conducted.



Experiments/Research Work: Research Work on Antennas can be conducted

Major Equipment:

S. No	Name of The Equipment	Qty.	Cost in Rs.
Hardware			
1.	HP DESKTOP (Intel Core i3 Processor,4GB DDR3 RAM,500GB HDD,18.5'' LED Monitor)	34	9,89,400.00
2.	HP Pro Desktop (Intel ® Core ™ Processor,4GB DDR3 RAM,500GB HDD,17'' LED Monitor)	02	46,666.68
3.	Computer chairs	36	79,200
4.	Blue star A/C's	02	1,12,500
Software's			
5.	ANSYS ELECTROMAGNETICS SUITE 18.0	100	7,20,000.00
	i)ANSYS Electronics Desktop 2017.0		
	ii)ANSYS EMIT 2017.0		
	iii) ANSYS PEmag 2017.0		
	iv)ANSYS PExprt 2017.0		
	v)ANSYS Savant 2017.0		
	vi)ANSYS Simplorer 2017.0		
	vii)ANSYS Slwave 2017.0		
	Research Licence	10	
Total			19,47,766

Research Activities:

1. Organized a 5 day workshop for technical Supporting staff on "Electronic Design Automation tools" from 04/05/2020 to 08/05/2020.
2. Organized a 3 day workshop for technical Supporting staff on "Electronic Design Automation tools" from 21/11/2019 to 23/11/2019
3. Organised a 6-Day Faculty Development Programme on design and analysis of RF Antennas using HFSS (13-11-17 to 18-11-17).
4. Organised a 5-Day Student Certification Programme on design and analysis of Antennas using HFSS (16-08-17 to 21-08-17).
3. Organised a 3-Day Faculty Development Programme on design and analysis of RF Antennas using HFSS (28-11-16 to 30-11-16).

Lab Mentor : Dr.A.Narendra Babu, Professor
Lab Incharge : Mr.P.Rakesh Kumar,Sr.Asst. Professor
Lab Co – Incharge : Mr.B.Siva Hari Prasad, Sr.Asst. Professor
Tr.Lab Technician : Mr.Y.Chinna Jamalaih