

K.S.Rangasamy College of Arts & Science (Autonomous), Tiruchengode-637215

Department of Electronics and Communication

Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

Programme: Bachelor of Science in Electronics and Communication

PROGRAMME	COURSE NAME	Description			
		Gender	Environment and Sustainability	Human Values and Professional Ethics	Description
B.Sc., Electronics and Communication	Core I: Physics of Semiconductor Devices			✓	Provides basic knowledge about the fundamentals of semiconductor.
	Value Education II: Environmental Studies		✓		To enable the students acquire knowledge, values, attitudes, commitment and skills needed to protect and improve the environment
	SBC Practical I: Circuit Simulation Lab			✓	Aims to provide the practical skills to design printed circuit boards
	SBC II: Consumer Electronics			✓	Know penetration of electronics applications in various fields of society.
	Add-On Course I: PCB Design			✓	Understand the basic component placement & routing techniques for various technologies
	Add-On Course II: Computer Hardware Installation and Servicing			✓	Diagnose and troubleshoot computer systems hardware and software.
	Advanced Learners Course II: Artificial Intelligence			✓	Learn the concept of artificial intelligence and identify its application areas.

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Core IX: Arduino and Internet of Things		✓		Fundamentals of designing, programming and configuring devices for the smart infrastructure development and maintenance.
SBC III: Electronic Media			✓	The concept of storage and electronic media services and applications
Core XII: Biomedical Instrumentation			✓	The course teaches the Basic Electronic theories behind the applications of biomedical instruments
ALC-I: Energy Auditing		✓		Develop managerial skills to assess feasibility of alternative approaches and drive strategies regarding energy conservation and energy auditing.
ALC-I: Electronic Applications in Agriculture		✓		IT applications in precision farming, environmental control systems, agricultural systems management and weather prediction models.
Elective IV: Robotics			✓	Develop the components, instrumentation and control related to robotics.


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