PROGRAMME SPECIFIC OUTCOMES	
At the end of B.Sc. Electronics at St. Xavier's College, Mapusa, a student will have developed	
PSO-1	Insightful Knowledge and Understanding of Electronics Fundamentals:
	Graduates will have a solid grasp of fundamental electronic principles, including circuit
	theory, electromagnetic theory, and semiconductor devices, analog and digital electronic
	circuits, Signal Processing, Microelectronics and Integrated Circuits, Control Systems,
	Communication Systems, Power Electronics, Biomedical Instrumentation,
	Optoelectronics, Robotics, Programming, Agro Electronics and to implement these
	principles effectively.
	Problem Analysis and conduct investigations of complex problems:
	Graduates will be able to identify, formulate, review research literature, and analyze
	complex problems thus using research – based knowledge and research methods including
	design of experiments, analysis and interpretation of data, and synthesis of the
	information to provide valid conclusions.
PSO-2	Modern tool usage in Design/ Development of solutions:
	Graduates can create, select and apply appropriate techniques, resources, and modern
	hardware and software tools including prediction and modelling to complex engineering
	activities with an understanding of the limitations and also to design system components
	or processes that meet the specified needs with appropriate consideration for the public
	health and safety, and the cultural, societal, and environmental considerations.
	Environment and sustainability:
	Graduates will be able to understand the impact of the professional engineering solutions
	in societal and environmental contexts, and demonstrate the knowledge of Electronics
	concepts, and need for sustainable development.
PSO-3	Effective Communication:
	Graduates will be able to communicate effectively on complex engineering activities with
	the Electronics Forum community and with society at large, such as, being able to
	comprehend and write effective reports and design documentation, make effective
	presentations, and to give and receive clear instructions.
	Project management and Teamwork:
	Graduates will be able to demonstrate knowledge and understanding of management
	principles to function effectively and apply these to one's own work, as a member and
	leader in a team, to manage projects and in multidisciplinary environments.
	Employment and Life-long learning: The strong foundation of Electronics concepts will
	accreditation standards and industry expectations for electronics graduates, preparing
	them for careers in fields such as telecommunications, semiconductor industry, power
	systems, automation, and consumer electronics and also recognize the need for, and have
	the preparation and ability to engage in independent and life-long learning in the broadest
	context of technological change.