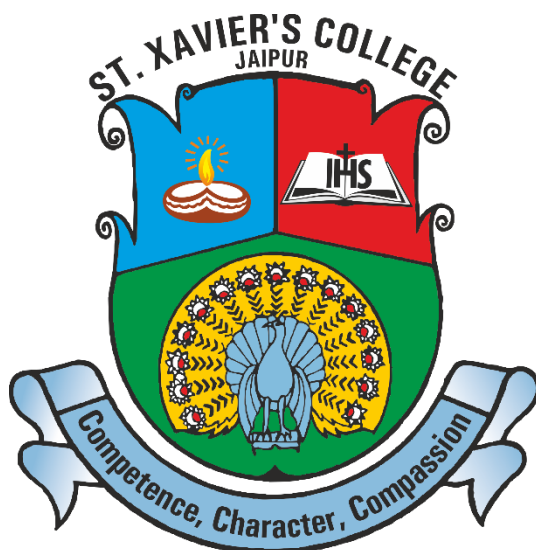


ST. XAVIER'S COLLEGE JAIPUR

Nevta - Mahapura Road, Jaipur - 302029, Rajasthan, India

Affiliated to the University of Rajasthan

Approved under Section 2(f) & 12(B) of the UGC Act, 1956



PROGRAMME OUTCOMES

B.Sc.

(Bachelor of Science)

Department of Science

Programme Outcomes (POs)

PO 1.	Students will demonstrate proficiency in mathematical principles, cultivating a comprehensive understanding essential for grasping physics concepts
PO 2.	Students will exhibit a profound understanding of classical mechanics, electromagnetism, and modern physics, proficiently applying this knowledge to analyse diverse physical phenomena
PO 3.	Graduates are expected to cultivate logical thinking through advanced mathematical learning, enabling practical applications in real-life scenarios within their respective disciplines
PO 4.	Through practical applications, graduates will acquire the ability to conceptualise and implement mathematical functions and terminology in computer languages and software
PO 5.	Will demonstrate proficiency in explaining and comprehending chemical concepts across various scientific disciplines
PO 6.	Graduates will develop scientific acumen, enabling them to perform, observe, and analyse the outcomes of chemical reactions
PO 7.	Graduates will demonstrate an awareness of the multidisciplinary approach inherent in the field of plant sciences
PO 8.	Graduates will possess a thorough understanding of both theoretical principles and practical applications in Botany with a focus on environmental sustainability
PO 9.	Graduates will comprehend fundamental concepts related to the biology of life with an emphasis on respect towards humanity
PO 10.	Facilitate hands-on experience for students in the practical aspects of Zoology, enhancing their understanding of the subject with consideration for gender perspectives
PO 11.	Develops proficiency in economic analysis, utilising economic theories and quantitative methods to evaluate economic phenomena and propose informed solutions

PO 12.	It helps to critically evaluate economic policies, considering their impact on various stakeholders and proposing evidence-based recommendations for policy improvement
PO 13.	Students will develop the ability to analyse data, identify trends, and make evidence-based decisions across various sectors
PO 14.	Equips students with the skills for designing, conducting, and evaluating research using statistical methodologies
PO 15.	It develops the ability to analyse spatial patterns, processes, and relationships using geographic information systems (GIS) and other tools to understand and solve real-world problems
PO 16.	Environmental sustainability knowledge demonstrates a deep understanding of environmental issues and sustainability, applying geographical concepts to address challenges related to climate change, resource management, and urban planning