



# Manipal University Jaipur

## Faculty of Science, Technology and Architecture M.Sc. Cyber Security

**(2025-2026 onwards)**

### Program Outcomes and Program Specific Outcomes

#### Program Outcomes (POs)

- [PO1]. Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
- [PO2]. Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
- [PO3]. Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.
- [PO4]. Effective Citizenship: Demonstrate empathetic social concern and equity centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.
- [PO5]. Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
- [PO6]. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.
- [PO7]. Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes.

#### Program Specific Outcomes (PSOs)

- [PSO 1]. To work effectively as cybersecurity professionals in both supportive and leadership roles, with a focus on securing digital infrastructure.
- [PSO 2]. To progress successfully in cybersecurity careers by utilizing technical expertise, leadership, communication, and interpersonal skills while adhering to legal, regulatory, and ethical standards.
- [PSO 3]. To adapt to evolving cybersecurity technologies and threats, with a commitment to continuous learning and professional development.

#### Program Educational Objectives (PEOs)

- [PEO 1]. Design and develop secure and reliable cybersecurity solutions using emerging technologies in accordance with industry standards.
- [PEO 2]. Exhibit lifelong learning capabilities to keep pace with rapid changes in cybersecurity threats, tools, and technologies.
- [PEO 3]. Build successful professional careers by collaboratively solving complex cybersecurity problems in an ethical and time-bound manner.