Program Learning Outcomes

Computer Engineering SP

In order to enable students to achieve the programme aims, the following programme learning outcomes – intended as what a student is expected to know, understand and/or be able to demonstrate after completion of the learning process – have been established:

PLO1. Demonstrate a solid Knowledge and understanding of Mathematics and fundamental basics of computer science in order to describe a modern information system and to be able to keep up with technological developments and innovations.

PLO 2. Define, describe and apply a range of AI techniques in order to build smart systems and to be able to deal with new AI challenges in modern business context.

PLO 3. Analyze and evaluate the performance of hardware/software systems and networks and demonstrate a high awareness regarding real life challenges.

PLO 4.   Design, Deploy and administrate Network, Cloud and distributed infrastructures with consideration of security, environmental impact, risks and regulations issues.

PLO 5.   Master and manage Embedded systems concepts and their integration in IoT infrastructures and take decision and formulate judgement regarding their usefulness in familiar and unfamiliar contexts.

PLO 6.   Analyze, Design and develop software, with taking in consideration its static, dynamic and ergonomic aspects with recognition and respect of planning issues, challenging teamwork, changing requirements and budget limitations.

PLO 7. Master data modelling, exchange, management, transformation and analysis for different use contexts, even new and complex cases and challenging situations.

PLO 8. Apply security approaches and strategies related to software development, data management and network exchanges considering technical, ethical, regulation and social aspects.

PLO 9. Demonstrate good reading, writing and speaking skills in French and English and communication skills.

PLO 10. Demonstrate good organizational and planning skills, team working skills, and project management skills to face real life situations and to meet labor market requirements.