MSc. Computer Science

Programme Outcomes
- Develop sound disciplinary knowledge of the evolving technology of Computer Science in conformity with the tenets of a sound post graduate computer science program
- Ability to identify, analyze, formulate solutions for computational challenges
- Develop appropriate skill-sets to develop models and design computer-based systems
- Ability to use different learning algorithms and software project management techniques for analysis and design of computer-based systems
- Ability to create, select and apply appropriate modern Computer/ I.T tools for problem solving;
- Ability to apply reasoning, based on informed contextual knowledge of Computer Science to assess societal, health, safety issues
- Ability to work and contribute effectively as an individual/team player, in multifaceted and /or multidisciplinary settings
- Ability to communicate effectively on the virtual platform, with the computer science community and society at large
- Develop skills to apply computer science principles at work, as a team leader/player and demonstrate skills for project management in a varied environment
- Ability to recognize the importance of the pursuit of lifelong learning in the context of innovation and technological developments
- Ability to apply ethical principles, commit to professional ethics and norms of Computer Science practice

Programme Specific Outcomes
- **Academic Competence**
a) Apply knowledge of computer science to solve evolving technology and technology-related problems.
b) Ability to use different learning algorithms and Software project management techniques to analyze and design computer-based systems
c) Demonstrate management skills and apply computer science principles to one's own work, as a member and/or leader in a team, to manage projects in a multidisciplinary environment.
d) Communicate effectively on technology-based activities with the computer science community and with society at large, such as being able to comprehend and write reports and design documentation, make effective presentations, and give and receive clear responses.
e) Application of contextual knowledge to assess health and societal issues and the responsibilities relevant to Computer science problems.

- **Personal, Behavioural and Skill based Competence**
a) Ability to work effectively, as an individual or in a team, on multifaceted and /or multidisciplinary settings.
b) Ability to identify, analyse and formulate solutions to computational challenges.
c) Acquire skills to develop models and design computer-based systems.
d) Ability to create, select and apply suitable techniques, resources, and modern Computer and IT tools.
e) Ability to recognize importance of, and pursue lifelong learning in the broader context of innovation and technological developments.

- **Ethical, Moral and Social Competence and Sensibilities**
a)   Commitment to professional ethics and norms of Computer science practice.
b)   Develop ethical sensitivity to entrust professional ethics and responsibilities.
c)   Capable of recognizing and resolving ethical and social issues with computer skills and technology.
d)   Engage in development of software projects to make contributions to society.

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