

CHANDIGARH UNIVERSITY GHARUAN

Computer Science & Engineering

Program Outcome (PO)

Program Educational Objectives (PEO)

Program Specific Outcome (PSO)



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Chandigarh University
Gharuan, Mohali-140413

Master of Engineering Computer Science

Program Outcome (PO)

PO1: Post Graduates will be able to discriminate, evaluate, analyze and synthesize existing knowledge with understanding and integration for enhancement in Computer Science and Engineering.

PO 2: Post Graduates will be exposed to contemporary research that fulfill the research and development needs of the industry and students are able to carry out innovative research to the highest standards that advances the theoretical knowledge and leads to immediate and long-range practical significance.

PO 3: Post Graduates will develop strong reasoning skills to enable them to take successful decisions in key management and research areas and get exposed to cutting edge developments in computing technology.

PO 4: Post Graduates will Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO 5: Post Graduates will be equipped the ability to work as professional and socially while have the curiosity, desire, awareness, competence and the ability to keep learning throughout life.

PO 6: Post Graduates will be exposed to globally research view so that they can appreciate diversity in the world and in intellectual pursuits which will be attained by inculcating in them an understanding of the human, social and business context in which they will utilize their engineering skills.

PO7: Post Graduate will have Ability to critically analyze complex problems and apply nonbiased judgment for extracting information to conduct fair research in a wider theoretical, practical and policy context in Computer Science and Engineering.

PO8: Ability to think laterally and originally to identify, formulate and solve specific research problem related to Computer Science and effectively utilize appropriate scientific and engineering techniques and methodologies in the problem solving process.

PO9: Ability to apply appropriate research methodologies, techniques and tools to demonstrate higher order skill and contribute individually or in groups to the development of technological knowledge in Computer Science and Engineering

PO10: Ability to optimize emerging research techniques and implement them on multidisciplinary platform.

PO11: Ability to comprehend the complex engineering research problems and write effective dissertation, project adhering to appropriate standards, make effective presentations, and give and receive clear instructions.

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PO12: Ability to understand the relevance of the research to the society by the ethical and economic connotations of research outcomes on professional practices and an understanding of responsibility to contribute to the community for sustainable development of society.

Master of Engineering Computer Science

Program Educational Objectives (PEO)

PEO1: To enable graduates to pursue research, or have a successful career in academia or industries associated with Computer Science and Networking, or as entrepreneurs for developing innovative solutions to solve research based problems.

PEO 2: To analyse and understand the foundations of networking and also advanced techniques and tools so as to build or improve current techniques to a higher standard to expand the horizons of easier computing.

PEO 3: To enhance the creativity and understanding of students through exposure of various Computer and analytical environments to enable them ethically to build innovative and research oriented systems or solutions of varying complexity.

PEO 4: Post Graduates will have an ability to contribute significantly to contemporary research domains in Computer Science and Engineering through publications, innovative products or patents. Post Graduates will be able to successfully pursue doctoral research in Computer Science, Engineering and allied disciplines.

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Program Specific Outcome(PSO)

Student of PG -Computer Science and Engineering (SE) program:

PSO 1: Ability to understand the principles and working of hardware and software aspects in a computer system

PSO 2: Ability to demonstrate knowledge in mathematical models, algorithms and software development and software engineering methodologies

PSO 3: Ability to develop practical competency in programming languages and open source platforms

PSO 4: Ability to provide a foundation for higher studies, research and entrepreneurship

Student of the PGComputer Science and Engineering (SE) program :

PSO 1: To analyse, design and develop computing solutions by applying foundational concepts of computer science and engineering.

PSO 2: To understand the concepts and theories of networking and apply them to various situations for classifying networks, analysing performance and implementing new technologies.

PSO 3: To adapt to emerging next generation of networking technologies to design, build and dream up the technology networks

PSO 4: Ability to provide a foundation for higher studies, research and entrepreneurship

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