

CHANDIGARH UNIVERSITY
GHARUAN

PEO & PO

Of

Master of Computer Application

University Institute of Computing



Registrar

Chandigarh University

Gharuan, Mohali-140413

University Vision and Mission

Vision

To be globally recognized as a Center of Excellence for Research, Innovation, Entrepreneurship and disseminating knowledge by providing inspirational learning to produce professional leaders for serving the society”.

Mission

- Providing world class infrastructure, renowned academicians and an ideal environment for Research, Innovation, Consultancy and Entrepreneurship.
- Creating Curriculum to match international standards along with comprehensive training and inculcation of Human and Ethical value to meet the needs of industry and civil society.
- Engaging students as learners and groom them as professional leaders in an intellectually challenging and contemporarily diverse environment.
- Creating a scientific, Transparent and Impartial Examinational/Evaluation system to ensure an ideal certification.
- Establishing strategic relationship with leading national & International corporate and universities for academic as well as research collaborations.
- Contributing for creation of healthy, vibrant and sustainable society by involving the students in community service, health and hygiene awareness, sports, cultural activities and environmental protection.
- Undertaking ISR activities for woman empowerment, up liftmen of rural/deprived sections of the society and socially relevant research.


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UIC Vision and Mission

Department Vision

To Produce globally adequate software professionals, by inspiring them for experimental learning environment through real time innovative projects with strong corporate interface and grooming them to disseminate their knowledge to lead nations bucolic area towards social economic development.

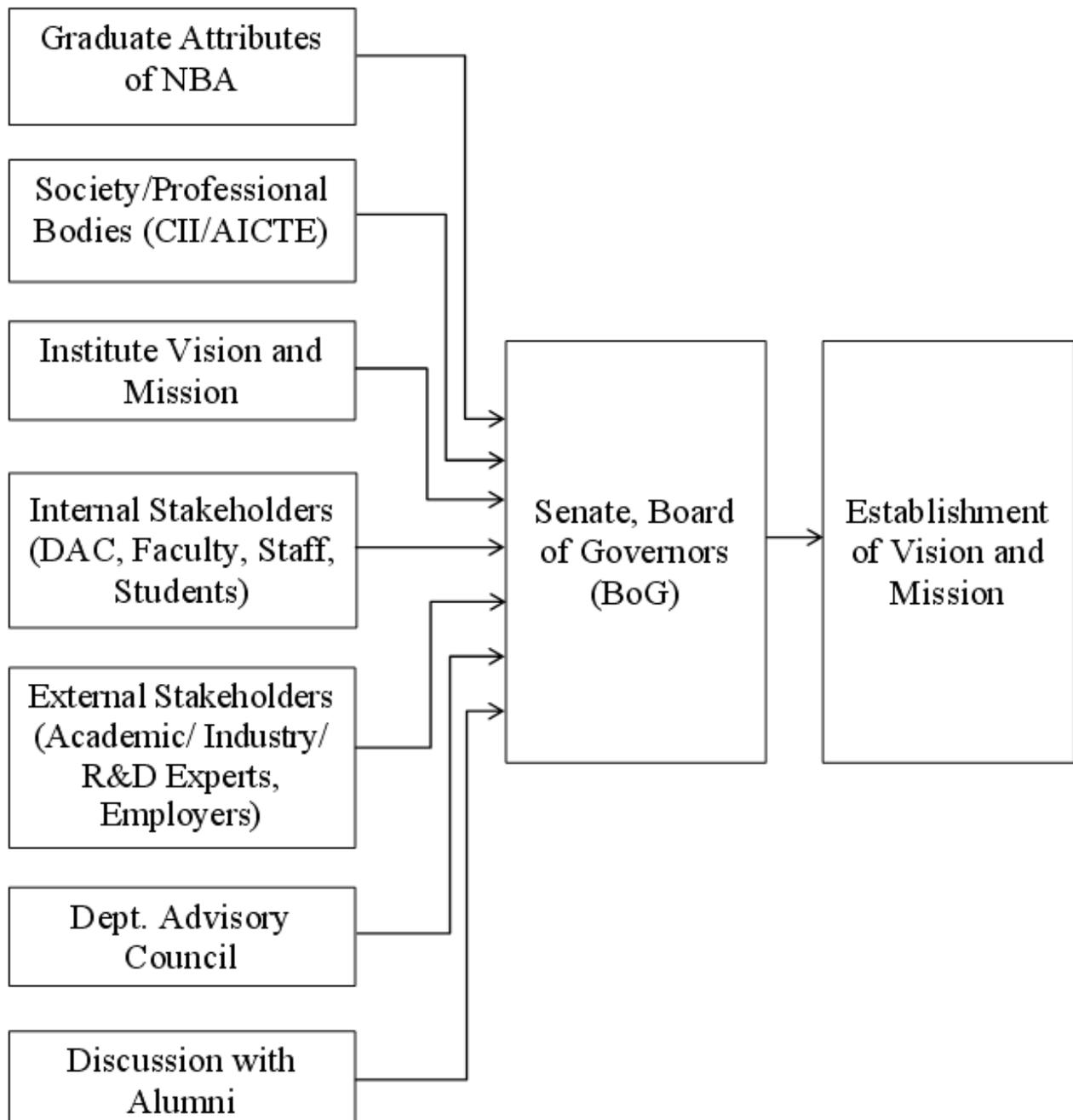
Department Mission

- Constitute environment for learning, enhancing knowledge by using recent technological as well as methodological skill for Industrialism and Academia.
- Maneuver with National and International companies for providing State-of-art acquaintance for developing research proposals and projects using latest technology.
- Creating technically superior manpower that meets prevailing and forthcoming stipulations of Entrepreneurship and Academia.
- Establishing quality oriented teaching process including Planning, Implementation, Evaluation and Revision with current prevalent practices.
- Bestow a scientific, Transparent and Impartial Examination/Evaluation system to ensure an ideal certification.
- Undertaking activities for women empowerment, uplifting of rural/deprived sections of the society and socially relevant research.



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Department Vision and Mission Definition Process



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Program Educational Objectives (PEO)

PEO-I: Expertise the successful professionals in industry, government, academic research, entrepreneurial pursuit and consulting firms.

PEO-II: Contrive graduates who will achieve peer-recognition, as an individual or as a team member through demonstration of good analytical, design, coding, testing, implementation and professionalism skills.

PEO-III: Pursue higher studies in computing or related disciplines and to work in the fields of teaching / research, exhibiting their ethical attitude, communication skills combined with professional and ethical attitude, team work and adapt current techniques.

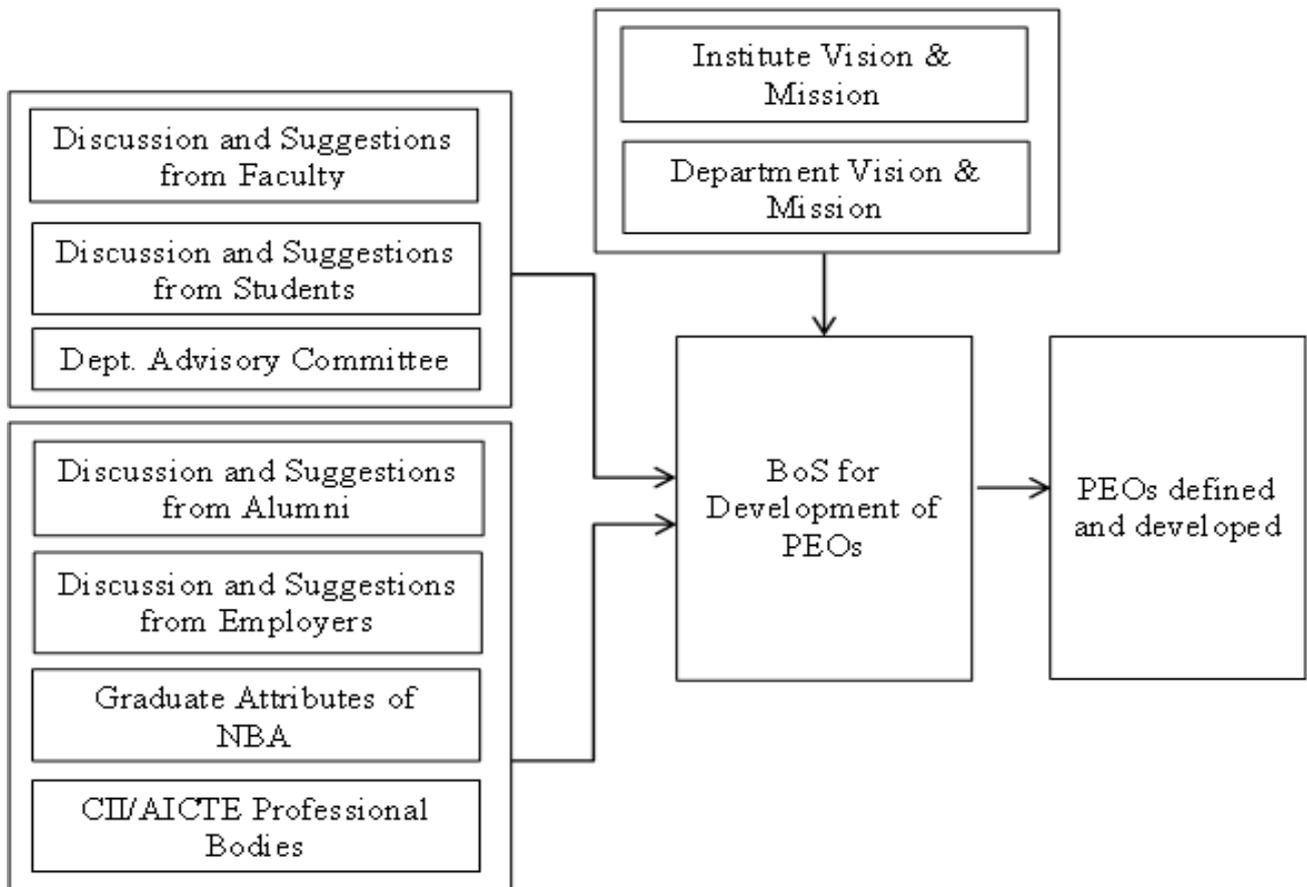
PEO-IV: Encourage and motivate student's capability to set up their own enterprise in various sectors of Computer Applications and their solution design methodologies using upcoming technologies.

PEO-V: Surpass in problem solving and programming skills in computing fields of IT industries as well as in research areas.



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PEO Process Establishment



Mapping of Institute Mission to PEO

Institute Mission	PEO
Providing world class infrastructure, renowned academicians and an ideal environment for Research, Innovation, Consultancy and Entrepreneurship.	PEO-I, PEO-V
Creating Curriculum to match international standards along with comprehensive training and inculcation of Human and Ethical value to meet the needs of industry and civil society.	PEO-III, PEO-IV
Engaging students as learners and groom them as professional leaders in an intellectually challenging and contemporarily diverse environment.	PEO-II, PEO-IV
Creating a scientific, Transparent and Impartial Examinational/Evaluation system to ensure an ideal certification.	PEO-I, PEO-II, PEO-IV
Establishing strategic relationship with leading national & International corporate and universities for academic as well as research collaborations.	PEO-II, PEO-III, PEO-IV
Contributing for creation of healthy, vibrant and sustainable society by involving the students in community service, health and hygiene awareness, sports, cultural activities and environmental protection.	PEO-I, PEO-V, PEO-IV
Undertaking ISR activities for woman empowerment, up liftmen of rural/deprived sections of the society and socially relevant research.	PEO-I, PEO-II, PEO-IV


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Mapping of Department Mission to PEO

Department Mission	PEO
Constitute environment for learning, enhancing knowledge by using recent technological as well as methodological skill for Industrialism and Academia.	PEO-I, PEO-IV
Maneuver with National and International companies for providing State-of-art acquaintance for developing research proposals and projects using latest technology.	PEO-II, PEO-III
Creating technically superior manpower that meets prevailing and forthcoming stipulations of Entrepreneurship and Academia.	PEO-IV, PEO-V
Establishing quality oriented teaching process including Planning, Implementation, Evaluation and Revision with current prevalent practices.	PEO-I, PEO-II, PEO-III
Bestow a scientific, Transparent and Impartial Examination/Evaluation system to ensure an ideal certification.	PEO-II, PEO-IV
Undertaking activities for women empowerment, uplifting of rural/deprived sections of the society and socially relevant research	PEO-I, PEO-IV


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Program Outcome (PO)

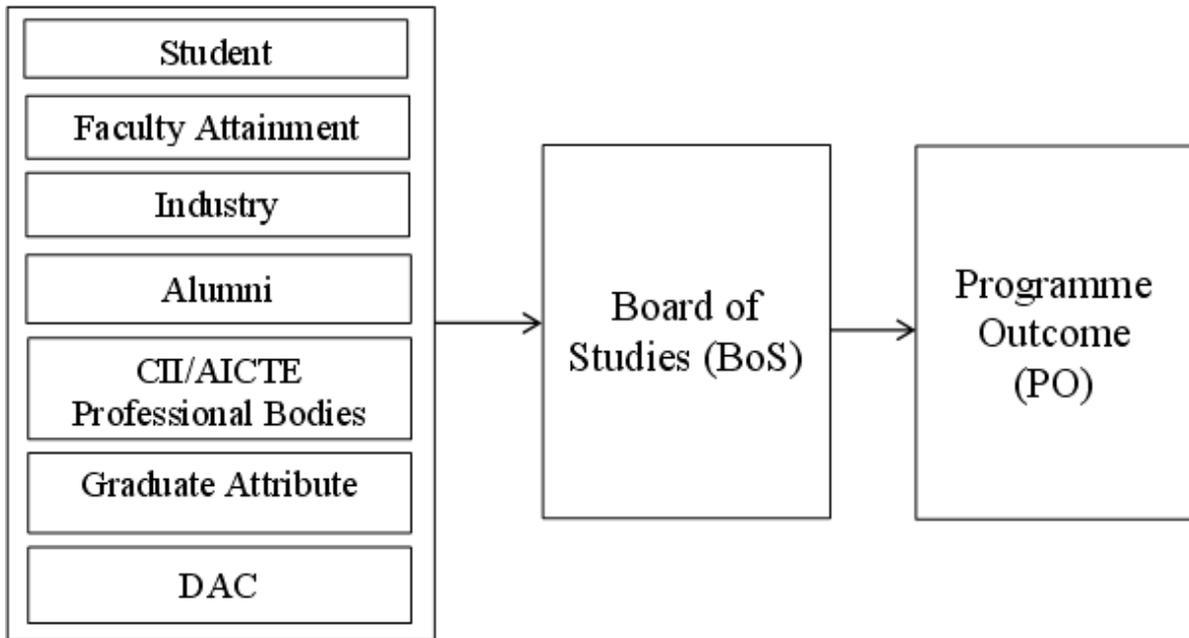
A Graduate of Information Technology Program will demonstrate:

1. Appropriate knowledge of computing fundamentals, computing specialization and research knowledge for the abstraction and conceptualization of computing models for given problems and requirements. (**Knowledge skills**)
2. Expertise to transform complex business scenarios and contemporary issues into problems, investigate, understand as well as propose integrated solutions using upcoming technological methods. (**Investigation Skills**)
3. Conceptualizing with the modern paradigm of software deployment especially related to Clouds, Big data, Hadoop etc. or other related fields of computer Application. (**Information skills**)
4. Recognize, understand and develop the ability to engage in continuous learning and implementing as a Computing professional. (**Implementation Skills**)
5. Demonstrate knowledge, opportunities and use innovative ideas to create ideas for the betterment of the individual, company and society. (**Project management skills**)
6. Identify, Analyze, Design and Evaluate a computer based system, components and process to meet the specific needs of applications, as well as the computing requirements of a problem and Solve them using computing principles. (**Analyzing Skills**)
7. Introduce and involve students with problem analysis, evolutionary tools and formulation techniques. (**Practical Skills**)
8. Understand the social, professional, cultural and ethical issues involved in the use of computer technology and consideration in developing software systems. (**social skills**)
9. Caliber to analyze customer requirements, high level design, interpersonal, ethical and document robust and reliable software systems. (**Personal integrity skills**)
10. Ability to understand the real-world problem and concede professional development by pursuing higher studies and other challenges like examination, interview etc. at national and international level. (**Career and immediate employment**)
11. Mastering to design and implement a computing system to meet desired needs within realistic constraints such as safety, security and Responsibilities. (**Design skills**)
12. An ability to work professionally with positive attitude as an individual or as a member of teams and communicate effectively with team members. (**Communication skills**)

1.


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PO Process Establishment



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Correlation between the POs and the PEOs

1. Slight(Low)

2. Moderate (Medium)

3. Substantial (High)

	PEO-1	PEO-2	PEO-3	PEO-4	PEO-5
PO-1	M	H	H	M	L
PO-2	H	M	M	M	L
PO-3	M	H	M	L	L
PO-4	H	M	M	L	L
PO-5	M	H	M	H	L
PO-6	H	M	M	L	M
PO-7	M	H	M	M	L
PO-8	H	L	H	L	M
PO-9	M	M	H	M	L
PO-10	L	L	M	M	H
PO-11	L	M	L	H	H
PO-12	H	M	M	M	M



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