Program Outcomes
(Pos)

B.Sc. (Comp.Sci), B.C.A.,B.Sc.,M.Sc.(Comp.Sci),M.M.S.[C.M]

Deogiri Pratishthan Sanchlit

Tulsi Computer Science And Information Technology College, Beed

B.sc (Computer Science) Program Outcomes

PO1. To develop problem solving abilities using a computer.

PO2. To prepare necessary knowledge base for research and development in Computer Science.

PO3. Ethics: Apply ability to develop sustainable practical solutions for science subject related problems within positive professional and ethical boundaries.

PO4. Individual and team work: Function effectively as a leader and as well as team member in diverse/ multidisciplinary environments.

PO5. Communication: Communicate effectively on complex science subject related activities with the scientific community in particular and with the 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.

PO6. Project management: Demonstrate knowledge and understanding of the first principles of science and apply these to one's own work as a member and leader in a team, to complete project in any environment.

PO7. Life-long learning: Recognize the need for lifelong learning and have the ability to engage in independent and life-long learning in the broadest context of technological change.

PO8. To train students in professional skills related to Software Industry.

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B.C.A. Program Outcomes

PO1: Computational information: Appreciate and apply mathematical organization, computing and domain information for the conceptualization of computing models from clear harms.

PO2: Difficulty Analysis: Talent to classify, significantly evaluate and prepare complex computing problems using fundamentals of computer knowledge and request domains.

PO3: Drawing/Improvement of Solutions: Facility to transform composite production scenarios and present-day issues into problems, explore, recognize and propose included solutions using rising technologies.

PO4: Accomplish Investigations of Compound Computing Troubles: Ability to invent and ways experiments interpret data and present well up to date conclusions.

PO5: Current Implement Procedure: Skill to select recent computing tools, skills and techniques compulsory for original software solutions

PO6: Acquire Knowledge of business functions and associated regulations

PO7: Develop Problem solving abilities

PO8: Acquire Administrative and managerial skills with desired technical proficiency

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B.sc (Botany) Program Outcomes

PO1. The citizenship and society: Apply broad understanding of ethical and professional skill in science subjects in the context of global, economic, environmental and societal realities while encompassing relevant contemporary issues.

PO2. Environment and sustainability: Apply broad understanding of impact of science subjects in a global, economic, environmental and societal context and demonstrate the knowledge of, and need for sustainable development.

PO3. Ethics: Apply ability to develop sustainable practical solutions for science subject related problems within positive professional and ethical boundaries.

PO4. Individual and team work: Function effectively as a leader and as well as team member in diverse/ multidisciplinary environments.

PO5. Communication: Communicate effectively on complex science subject related activities with the scientific community in particular and with the 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.

PO6. Project management and finance: Demonstrate knowledge and understanding of the first principles of science and apply these to one's own work as a member and leader in a team, to complete project in any environment.

PO7. Life-long learning: Recognize the need for lifelong learning and have the ability to engage in independent and life-long learning in the broadest context of technological change.

B.sc (Chemistry) Program Outcomes

PO1. The citizenship and society: Apply broad understanding of ethical and professional skill in science subjects in the context of global, economic, environmental and societal realities while encompassing relevant contemporary issues.

PO2. Environment and sustainability: Apply broad understanding of impact of science subjects in a global, economic, environmental and societal context and demonstrate the knowledge of, and need for sustainable development.

PO3. Ethics: Apply ability to develop sustainable practical solutions for science subject related problems within positive professional and ethical boundaries.

PO4. Individual and team work: Function effectively as a leader and as well as team member in diverse/multidisciplinary environments.

PO5. Communication: Communicate effectively on complex science subject related activities with the scientific community in particular and with the 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.

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PO6. Project management and finance: Demonstrate knowledge and understanding of the first principles of science and apply these to one's own work as a member and leader in a team, to complete project in any environment.

PO7. Life-long learning: Recognize the need for lifelong learning and have the ability to engage in independent and life-long learning in the broadest context of technological change.

These program outcomes align with the broader goals of NEP 2020 to transform higher education in India and prepare students for the challenges and opportunities of the 21st century. Board of Studies designing B.Sc. curricula are encouraged to incorporate these outcomes into their program objectives and learning outcomes.

B.sc (Mathematics) Program Outcomes

PO1. The citizenship and society: Apply broad understanding of ethical and professional skill in science subjects in the context of global, economic, environmental and societal realities while encompassing relevant contemporary issues.

PO2. Environment and sustainability: Apply broad understanding of impact of science subjects in a global, economic, environmental and societal context and demonstrate the knowledge of, and need for sustainable development.

PO3. Ethics: Apply ability to develop sustainable practical solutions for science subject related problems within positive professional and ethical boundaries.

PO4. Individual and team work: Function effectively as a leader and as well as team member in diverse/ multidisciplinary environments.

PO5. Communication: Communicate effectively on complex science subject related activities with the scientific community in particular and with the 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.

PO6. Project management and finance: Demonstrate knowledge and understanding of the first principles of science and apply these to one's own work as a member and leader in a team, to complete project in any environment.

PO7. Life-long learning: Recognize the need for lifelong learning and have the ability to engage in independent and life-long learning in the broadest context of technological change.

B.sc (Microbiology) Program Outcomes

PO1. The citizenship and society: Apply broad understanding of ethical and professional skill in science subjects in the context of global, economic, environmental and societal realities while encompassing relevant contemporary issues.

PO2. Environment and sustainability: Apply broad understanding of impact of science subjects in a global, economic, environmental and societal context and demonstrate the knowledge of, and need for sustainable development.

PO3. Ethics: Apply ability to develop sustainable practical solutions for science subject related problems within positive professional and ethical boundaries.

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PO4. Individual and team work: Function effectively as a leader and as well as team member in diverse/ multidisciplinary environments.

PO5. Communication: Communicate effectively on complex science subject related activities with the scientific community in particular and with the 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.

PO6. Project management and finance: Demonstrate knowledge and understanding of the first principles of science and apply these to one's own work as a member and leader in a team, to complete project in any environment.

PO7. Life-long learning: Recognize the need for lifelong learning and have the ability to engage in independent and life-long learning in the broadest context of technological change.

B.sc (Physics) Program Outcomes

PO1. The citizenship and society: Apply broad understanding of ethical and professional skill in science subjects in the context of global, economic, environmental and societal realities while encompassing relevant contemporary issues.

PO2. Environment and sustainability: Apply broad understanding of impact of science subjects in a global, economic, environmental and societal context and demonstrate the knowledge of, and need for sustainable development.

PO3. Ethics: Apply ability to develop sustainable practical solutions for science subject related problems within positive professional and ethical boundaries.

PO4. Individual and teamwork: Function effectively as a leader and as well as team member in diverse/ multidisciplinary environments.

PO5. Communication: Communicate effectively on complex science subject related activities with the scientific community in particular and with the 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.

PO6. Project management and finance: Demonstrate knowledge and understanding of the first principles of science and apply these to one's own work as a member and leader in a team, to complete project in any environment.

PO7. Life-long learning: Recognize the need for lifelong learning and have the ability to engage in independent and life-long learning in the broadest context of technological change.

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B.sc (Zoology) Program Outcomes

PO1. The citizenship and society: Apply broad understanding of ethical and professional skill in science subjects in the context of global, economic, environmental and societal realities while encompassing relevant contemporary issues.

PO2. Environment and sustainability: Apply broad understanding of impact of science subjects in a global, economic, environmental and societal context and demonstrate the knowledge of, and need for sustainable development.

PO3. Ethics: Apply ability to develop sustainable practical solutions for science subject related problems within positive professional and ethical boundaries.

PO4. Individual and teamwork: Function effectively as a leader and as well as team member in diverse/ multidisciplinary environments.

PO5. Communication: Communicate effectively on complex science subject related activities with the scientific community in particular and with the 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.

PO6. Project management and finance: Demonstrate knowledge and understanding of the first principles of science and apply these to one's own work as a member and leader in a team, to complete project in any environment.

PO7. Life-long learning: Recognize the need for lifelong learning and have the ability to engage in independent and life-long learning in the broadest context of technological change.

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M.sc (Computer Science) Program Outcomes

Program objectives for an M.Sc. (Master of Science) in Computer Science course typically aim to provide students with a comprehensive understanding of computer science concepts and practical skills. Following are some broad program objectives earmarked by the department:

1. To equip students with an in-depth understanding of advanced topics in computer science, including algorithms, data structures, artificial intelligence, machine learning, internet of things, and more (Advanced Knowledge).
2. To foster the ability to critically analyse complex problems in computer science and conduct independent research to propose innovative solutions (Research and Analysis).
3. To develop strong programming skills in multiple languages (wide array of programming basket) and paradigms, enabling students to design and implement software systems and applications (Programming Proficiency).
4. To enhance problem-solving and logical thinking skills to tackle real-world challenges in computer science and related interdisciplinary domains (Problem-Solving Abilities).
5. To cultivate a sense of ethical responsibility and professionalism among students, emphasizing the importance of adhering to legal and ethical standards in computing (Ethical and Professional Awareness).
6. To promote effective teamwork, communication, and leadership skills to work collaboratively in diverse, multidisciplinary projects (Collaboration and Communication).
7. To keep students abreast of the latest developments and emerging technologies in the field of computer science, such as cloud computing, cybersecurity, internet of things (IoT), and blockchain (Emerging Technologies).
8. To provide opportunities for hands-on experience through case studies, projects, internships, and practical assignments, ensuring students can apply theoretical knowledge to real-world scenarios (Practical Experience:).
9. To encourage an entrepreneurial mindset and foster innovation, allowing students to develop novel solutions and potentially start their ventures in the technology industry (Innovation and Entrepreneurship).
10. To teach students how to critically evaluate existing research, publications, and technological advancements in computer science (Critical Evaluation).
11. To in-still the value of continuous learning and adaptability in an ever-evolving field like computer science (Adaptability and Lifelong Learning).

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M.M.S.[C.M.] Program Outcomes

PO1. Apply knowledge of management theories and practices to solve business problems.

PO2. Foster Analytical and critical thinking abilities for data-based decision making.

PO3. Ability to develop Value based Leadership ability.

PO4. Ability to understand, analyze and communicate global, economic, legal, and ethical aspects of business.

PO5. Ability to lead themselves and others in the achievement of organizational goals, contributing effectively to a team environment.

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