POs of M.Sc. (PG) Program

Students of M.Sc. Program at the time of post graduation will be competent to-

PO1. **Proficient in the Subject Matter:** The students have adequate knowledge and understanding of the subject as per prescribed syllabus and they are in a position to transmit this knowledge for all practical applications. They are supposed to escalate sufficient academic and realistic background/understanding of the subject as per UGC framework. On the basis of the knowledge acquired they should be able to pass PG level national examinations conducted in the concerned subject.

PO2. **Effectual Communication:** The postgraduates are expected to speak, read, write and listen clearly in person and through electronic media in English and Hindi, and make meaningful communication by connecting people, ideas, knowledge, media and the recent technology.

PO3. **Critical Thinking:** The PG students at the time of completing their degree are supposed to take informed measures after identifying the assumptions that frame their thoughts and actions. They have to check out the accuracy of assumptions and furthermore to visualize their ideas and decisions from different perspectives.

PO4. **Social Interaction:** One should respect diverse views on any matter of social concern. Mediating disagreements and helping to reach on conclusions in a group meeting are some of the qualities one should have as a learned social citizen of this country.

PO5. **Effective Nationality/Citizenship:** The outgoing PG students should exhibit sympathetic social concern and promote national development based on equality, impartiality and social justice. They should be kind enough towards social issues and contribute informally to civic life through volunteering. This is essential to command self respect and social values.

PO6. **Ethics and Moral Values:** One should command responsibility and moral proportions while taking decisions. Learning without ethics and moral concerns is meaningless. Recognizing and respecting diverse value systems should be an essential feature of our education system and these qualities should be reflected in the working behaviour of our outgoing students.

PO7. **Environment and Sustainability:** One should appreciate and identify the issues of environmental concerns and initiate/endorse measures for sustainable development. The issues of clean environment and sustainability should be given top priority while working for mankind and welfare of the society. Promotion of technology driven awareness programs about these issues is also expected from outgoing students.

PO8. **Self-directed and Life-long Learning:** As per the requirements of changing socio-economical and socio-technological scenario, the postgraduate students should bear the responsibilities of engaging themselves in independent and life-long learning.
They are expected to have updated knowledge/understanding and technology based solutions of current issues and challenges.

PO9. **Analytical Abilities:** One should have expertise to critically analyze the issues of concern and furthermore to recommend a sensible solution to any physical problem. The logical decisions with inputs of transparency and analyticity should be reflected in day-to-day working of our postgraduate students.

PO10. **Promote Scientific Temper:** To have and promote scientific temper is our national duty and such temper should be inculcated in our students while teaching. The outgoing postgraduates are further expected to propagate scientific temper as their national duty.

**POs of B.Sc. (UG) Program**

Students of B.Sc. Program at the time of graduation will be competent to-

PO1. **Proficient in the Subject:** The graduating students are supposed to acquire basic knowledge and understanding of the subject as per prescribed syllabus and apply them further for welfare of the society. On the basis of the knowledge acquired they should be able to pass UG level national examinations conducted in the concerned subject.

PO2. **Effective Communication:** The graduates are expected to speak, read, write and listen clearly in person and through electronic media in English and Hindi, and make significant communication by linking people, ideas, information, media and the up to date technology.

PO3. **Critical Thinking:** The B.Sc. students at the time of completing their degree are believed to take conversant measures after identifying the assumptions framing their thinking and actions. They have to ensure the accuracy of assumptions and furthermore to envision their ideas and decisions from diverse perspectives.

PO4. **Social Interaction:** One should respect diverse views on any matter of social concern. While active in a social group, mediating disagreements and helping to reach on conclusions are some of the characters one should have as an educated social citizen of this country.

PO5. **Effective Citizenship:** The outgoing graduates should exhibit sympathetic social concern and promote national development based on equality, impartiality and social justice. They should be considerate as regards social issues and contribute voluntarily to civic life. This is essential to command self respect and social values.

PO6. **Ethics and Moral Values:** One should command responsibility and moral proportions while taking decisions. Learning without ethics and moral concerns is meaningless. Recognizing and respecting diverse value systems should be reflected in the working behaviour of our outgoing graduates.
PO7. **Environment and Sustainability:** One should appreciate and identify the issues of environmental concerns and initiate/endorse measures for sustainable development. The issues of clean environment and sustainable development should be given apex priority while working for mankind and welfare of the society. Promotion of awareness about these issues is also expected from graduating students.

PO8. **Self-directed and Life-long Learning:** As per the requirements of changing socio-economical and socio-technological scenario, the graduating students should bear the responsibilities of engaging themselves in independent and life-long learning. They are expected to have updated knowledge/understanding and solutions of current issues and challenges.

PO9. **Analytical Abilities:** One should have expertise to critically analyze the issues of concern and furthermore to put forward a judicious solution to any physical problem. The logical decisions with inputs of transparency and analyticity should be reflected in day-to-day working of our graduates.

PO10. **Promote Scientific Temper:** To have and promote scientific temper is our national duty and such temper should be inculcated in our students while teaching. The outgoing graduates are further expected to propagate scientific temper as their national duty.

**POs of BCA (UG) Program**

Students of BCA Program at the time of graduation will be competent to-

PO1. **Proficient in the Subject:** The BCA students are expected to learn practical skills to handle computer based systems and furthermore to identify and settle the requirements, issues and challenges of human life using computer systems. On the basis of the knowledge acquired they should be able to pass UG level national examinations conducted in the concerned subject.

PO2. **Effective Communication:** The BCA students are anticipated to speak, read, write and listen clearly in person and through electronic media in English and Hindi, and make meaningful communication by involving public, thoughts, information, media and the new technology.

PO3. **Critical Thinking:** The BCA students at the time of completing their degree are supposed to take well-versed measures after identifying the assumptions affecting their judgment and actions. They have to verify the accuracy of assumptions and furthermore to foresee their ideas and decisions from different perspectives.

PO4. **Social Interaction:** One should respect diverse views, mediate disagreements and help to reach on conclusions while working in a public group.

PO5. **Effective Citizenship:** The outgoing graduates should exhibit sympathetic social concern and promote national development based on equality, impartiality and social
justice. They should be concerned as regards social issues and contribute voluntarily to civic life. This is essential to command self respect and social values.

PO6. **Ethics and Moral Values:** One should command responsibility and moral proportions while taking decisions. Learning without ethics and moral concerns is meaningless. Recognizing and respecting diverse value systems should be reflected in the working behaviour of our outgoing graduates.

PO7. **Environment and Sustainability:** One should appreciate and identify the issues of environmental concerns and initiate/endorse measures for sustainable development. The issues of clean environment and sustainability should be given pinnacle priority while working for mankind and welfare of the society. Use of technology to promote awareness about these issues is also expected from outgoing computer professionals.

PO8. **Self-directed and Life-long Learning:** As per the requirements of changing socio-economical and socio-technological scenario, the graduating computer professionals should engage themselves in independent and life-long learning. They are expected to have updated knowledge/understanding and technology based solutions of current issues and challenges.

PO9. **Analytical Abilities:** One should have expertise to critically analyze the issues of concern and furthermore to advocate a judicious solution to any physical problem. The logical decisions with inputs of transparency and analyticity should be reflected in day-to-day working of our students.

PO10. **Promote Scientific Temper:** To have and promote scientific temper is our national duty and such temper should be inculcated in our students while teaching. The outgoing computer professionals are further expected to propagate scientific temper as their national duty.