**JSS College for women (Autonomous)**

**Saraswathipuram, Mysuru-09**

**PROGRAM SPECIFIC OUTCOMES – (NEP-2020)**

**B.Sc. - Physics, Mathematics (P.M.)**

**PSO 1:** Understanding of core knowledge on various papers of Physics. Clear the concepts which help them in understanding physical phenomenon in nature.

**PSO 2:** To understand the theoretical concepts of physical properties of materials and to dealing with them in a quantitative way.

**PSO 3:** Demonstrate skills and competencies to conduct scientific experiments related to Physics.

**PSO 4:** Analyse the concepts of physics and to use a modern scientific, engineering and IT tool or technique for solving problems in the areas of their discipline.

**PSO 5:** Skills needed to handle instruments and adopt lab procedures to study physical properties of materials.

**PSO-6:** Communicate effectively with the stake holders, and give and receive clear instructions.

**PSO-7:** To identify their area of interest and further specialize with respect to the program in research field.

**PSO-8:** Work effectively as an individual as a team member in a multidisciplinary team.

**PSO 9:** Mathematical, numerical techniques required to model concepts of Physics.

**PSO 10:** Relate their knowledge and skills of Physics and Mathematics in carrying out independent work.

**PSO 11:** Ability to interlink the skills and knowledge in Physics and Mathematics and to develop an aptitude to address the problems in various fields related to them.

**PSO 12:** To identify their area of interest and further specialize with respect to the program in research field.

**PSO 13:**  Possess advanced knowledge and skills in job market for various industrial sectors.

**PSO 14:**  Discuss debate and communicate in a clear and logical way, with graduates in Physics and Mathematical fields.

**PSO 15:** After the completion of a degree with Maths and Physics could prepare you for a career in science, technology, engineering, finance, and many other exciting fields.

**JSS College for women (Autonomous)**

**Saraswathipuram, Mysuru-09**

**PROGRAM SPECIFIC OUTCOMES – (NEP-2020)**

**B.Sc. - Physics, Computer Science (P.CS.)**

**PSO 1:** Understanding of core knowledge on various papers of Physics. Clear the concepts which help them in understanding physical phenomenon in nature.

**PSO 2:** To understand the theoretical concepts of physical properties of materials and to dealing with them in a quantitative way.

**PSO 3:** Demonstrate skills and competencies to conduct scientific experiments related to Physics.

**PSO 4:** Analyse the concepts of physics and to use a modern scientific, engineering and IT tool or technique for solving problems in the areas of their discipline.

**PSO 5:** Skills needed to handle instruments and adopt lab procedures to study physical properties of materials.

**PSO-6:** Communicate effectively with the stake holders, and give and receive clear instructions.

**PSO-7:** To identify their area of interest and further specialize with respect to the program in research field.

**PSO-8:** Work effectively as an individual as a team member in a multidisciplinary team.

**PSO 9:** Analyse the concepts of Physics and Computers Science able to relate them in numerical programming of models of physical systems.

**PSO 10:** Ability to interlink the skills developed in Physics and Computer science and acquires an aptitude to address the problems in simulations of material properties, program developer, web and mobile app development.

**PSO 11:** Relate their knowledge and skills of Physics and Computer Science in carrying out independent work.

**PSO 12:** Able to scale new academic heights by pursuing post graduation and other relevant courses.

**PSO 13:** To identify their area of interest and further specialize with respect to the program in research field.

**PSO 14:**  Be readily employable in electronic industries and animation industry.

**PSO 15:**  Physics provides an analytic problem-solving outlook and basic understanding of nature, while computer science enhances the ability to make practical and marketable applications, in addition to having its own theoretical interest.

**JSS College for women (Autonomous)**

**Saraswathipuram, Mysuru-09**

**PROGRAM SPECIFIC OUTCOMES – (NEP-2020)**

**B.Sc. - Physics, Chemistry (P.C.)**

**PSO 1:** Understanding of core knowledge on various papers of Physics. Clear the concepts which help them in understanding physical phenomenon in nature.

**PSO 2:** To understand the theoretical concepts of physical properties of materials and to dealing with them in a quantitative way.

**PSO 3:** Demonstrate skills and competencies to conduct scientific experiments related to Physics.

**PSO 4:** Analyse the concepts of physics and to use a modern scientific, engineering and IT tool or technique for solving problems in the areas of their discipline.

**PSO 5:** Skills needed to handle instruments and adopt lab procedures to study physical properties of materials.

**PSO-6:** Communicate effectively with the stake holders, and give and receive clear instructions.

**PSO-7:** To identify their area of interest and further specialize with respect to the program in research field.

**PSO-8:** Work effectively as an individual as a team member in a multidisciplinary team.

**PSO 9:** To develop an understanding of various aspects of chemistry.

**PSO 10:** To demonstrate an understanding of the fundamental principles, scientific reasoning to solve problems of all the branches of chemistry.

**PSO 11:** To create foundation for research and development in chemistry and to familiarize with current and recent development in chemistry.

**PSO 12:** To demonstrate research skills in chemistry, proper laboratory manual and record keeping skills, recognizing hazards, minimizing risks, and safe laboratory practice.

**PSO 13:** To help students to build up a progressive and successful career in chemistry.

**PSO 14:** To enrich knowledge through programs such as industrial visits, special lecture programs, etc.

**PSO 15:** To train students in skills related to chemistry for academic and industrial requirement.