



## ST. ANN'S COLLEGE FOR WOMEN

(Affiliated to Acharya Nagarjuna University,  
Recognized Under Section 2(f) of UGC Act 1956-New Delhi)

**Amaravathi Road, Gorantla, Guntur – 522034 (A.P)**

Email: [st\\_anns\\_coll@yahoo.co.in](mailto:st_anns_coll@yahoo.co.in) Website: [www.stannscollegeforwomen.org](http://www.stannscollegeforwomen.org)

**Criterion: II**

**Metric – 2.6.1**



### 2.6.1

**PROGRAMME SPECIFIC OUTCOMES FOR ALL PROGRAMMES**



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B. Sc - Mathematics, Physics, Computer Science (M.P. Cs)

### Programme Specific Outcomes

- PSO 1:** Understand the concepts of vector spaces, group theory, quantum mechanics, optical, thermal, electrical, mechanical properties of a materials, probability, algorithm design, data base.
- PSO 2:** Analyse the concepts of mathematics, physics and computers science able to relate them in numerical programming of models of physical systems
- PSO 3:** Ability to interlink the skills developed and acquires an aptitude to address the problems in simulations of material properties, web and mobile app development



*Dr. S. Felina*

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B. Sc - Mathematics, Statistics, Computer Science (M.S. Cs)

### Programme Specific Outcomes

- PSO 1:** Understand the concepts of vector spaces, group theory, probability, distributions, sampling techniques, algorithm design, data base design and web design.
- PSO 2:** Analyse the concepts of mathematics, statistics and computers science able to use them in algorithm design and data science.
- PSO 3:** Acquire the skills to use various sampling techniques, statistical inference, data analysis in MS-Excel, implementation of numerical algorithms by using various programming languages.



*D. D. Felina*

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### Programme Specific Outcomes

**PSO1:** Understand the theoretical concepts of physical and chemical properties of materials and the role of mathematics in dealing with them in a quantitative way.

**PSO2:** Analyse the concepts of mathematics, physics and chemistry and understand the relation among them like physical chemistry, mathematical modelling of physics and chemistry problems. Skills needed to handle instruments and adopt lab procedures to study physical chemical properties of materials.

**PSO3:** Ability to interlink the skills and knowledge in mathematics, physics and chemistry and develop an aptitude to address the problems in biophysics, stock market analysis

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B. Sc – Microbiology, Botany, Chemistry (M.B.C)

### Programme Specific Outcomes

- PSO 1:** Developing deeper understanding of key concepts of Microbiology, Botany, Chemistry at biochemical, molecular and cellular level, physiology and reproduction at organismal level, and microbial world, useful and harmful microorganisms.
- PSO 2:** Ability to develop theoretical and practical knowledge in handling the microbes with chemicals in labs and using them as model organism.
- PSO 3:** Imparting knowledge regarding r-DNA technology, E-Coli bacteria and its uses in r-DNA chemicals using in different biological techniques



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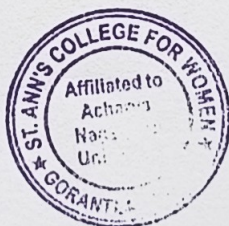
### B. Sc - Botany, Biotechnology, Chemistry (B.B.C)

#### Programme Specific Outcomes

**PSO 1 :** The program Biotechnology, Botany and chemistry has been introduced to prepare the students for a career which finds application and provides solution to some of the major contemporary problems on the earth i.e., providing food for growing population, designing advanced medical treatment options for increasing –evolving diseases, to find solution to deteriorating environment caused due to over exploitation / misuse of natural resources etc.,

**PSO 2 :** In this program the knowledge about the subject chemistry comes in to play when structures of biomolecules and their interactive relations to the environment are to be understood.

**PSO 3 :** Finally the subject biotechnology amalgamates the various disciplines of sciences and offers ethically acceptable knowledge to bring about sustainable solutions for a variety of problems related to Agriculture, Environment, Quality of human life. These problems are solved with responsibility using appropriate tools while keeping in mind safety factor of Environment and society.



*D. S. F. Srinivas*

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### B.COM (General)

#### Programme Specific Outcomes

**PSO 1:** To understand the nature, scope and concepts of Accounting, Business Operations and Management.

**PSO 2:** To analyse the relationship between Accounting, Auditing and Taxation.

**PSO 3:** To understand the application of Corporate Accounting Principles and Practices in real time business situations.



*Dr. S. Falguni*

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### B.COM (Computer Applications)

#### Programme Specific Outcomes

**PSO1:** To understand the nature, scope and concepts of Accounting, Business Operations and Management.

**PSO2:** To enable the students to understand the concepts of computer software and its applications in business operations.

**PSO3:** To equip the students with business analytics and e-commerce skills.



*Dr. S. Fatima Khan*

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### BCA – Bachelor of Computer Applications Programme Specific Outcomes

**PSO1:** Apply the knowledge of fundamentals concepts, procedures in Problem Solving.

**PSO2:** Demonstrate develop programming skills, networking skills, learn applications, packages, programming languages and modern techniques of IT

**PSO3:** Work with latest computing technologies and pursue careers in IT industry / Teaching and allied areas



*Do. L. Felina*

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### MCA –Master of Computer Applications Programme Specific Outcomes

**PSO1:** Design, develop, test and maintain web, mobile and cross-platform software applications using modern tools, technologies, skills and computing models. All these applications so developed may ultimately be moved on to the cloud.

**PSO2:** Apply security mechanisms for computer applications.

**PSO3:** Work with latest computing technologies and pursue careers in IT industry/consultancy/research and development, teaching and allied areas.



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### MBA –Master of Business Administration Programme Specific Outcomes

- PSO1:** Able to Identify, understand and analyse professional issues in contexts of HR /Market / Finance and operations.
- PSO2:** Apply decision-making techniques, using both quantitative and qualitative analysis to propose solutions for real life issues.
- PSO3:** Analyse and evaluate ethical problems that occur at all levels of business decision making.



*D. S. Felicia*

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