Shetkari Shikshan Sanstha’s



**ARTS, COMMERCE & SCIENCE COLLEGE, MAREGAON (ROAD)**

Dist. Yavatmal- 445 303 (M.S.) India

(Affiliated to Sant Gadge Baba Amravati University, Amravati)

NAAC Accredited at ‘B+’ grade with CGPA 2.51 (Cycle-I)

**2.6.1:** **Program Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated**

# PROGRAMME - BACHELOR OF ARTS (BA)

Expected outcomes of this program are:

* Value based ethical citizens for the nation
* Social involvement and global competency
* Humanities for collective growth
* Skill development and employability
* Realization of social responsibility and humanity
* Most responsible person of the society
* Imbuing the literary research attitude
* Availing the job opportunities in civil services and media
* Understanding social relations, social values and social culture.
* Use of knowledge in real life
* Ability to deal with novel research
* Getting knowledge of Constitution of India
* Ability to communicate in regional language and in English

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# PROGRAMME - BACHELOR OF SCIENCE (BSc)

Expected outcomes of this program are:

* Inclusion of scientific thinking and awareness among the student
* Understanding and creating the interest in environmental issues
* Understanding the scientific concept on practical base
* Ability to analyze and interpret numerical data
* Develop the mathematical logic which is very useful for solving mathematical reasoning problems.
* Identifying and describing physical systems with their professional knowledge.
* Knowledge about important scientific quantities and their importance.
* Working characteristics, properties and applications of various instrument
* Identifying various important resources which are helpful for living organism
* Identifying different species of plants and animal
* Knowledge about inheritance and metabolic activities
* Information about morphology and antonomy of animal

**PROGRAMME - BACHELOR OF COMMERCE (BCom)**

Expected outcomes of this program are:

* Developing managerial skills
* To promote Entrepreneurship
* Improving Human Resources Management
* Developing Numerical ability
* To develop business-oriented skill
* To analyze organizational problems and general realistic solutions based on current academic research in organizational behavior
* To analyze range of problems in Economics Accounting, marketing, management and finance
* To develop knowledge of macroeconomic theory as it relates to current macroeconomics policy and issue
* To develop knowledge of key concepts underlying quantitative decision

 Analysis

* To develop knowledge of commerce theory as it related to markets, firms, government policy and resource allocation

**BSc - Physics**

Students Post graduating with B. Sc. in Physics are able to

* Understand basic laws of physics, their corollaries, and comprehension of how they can be applied to explain specific natural phenomena within classical mechanics, electricity and magnetism, thermal and statistical physics, modern physics including quantum mechanics and relativity
* Develop Problem solving skills and relevant mathematical methods to approach, conceptualize, and achieve analytical Solutions to physics problems.
* Develop research skills which might include advanced laboratory techniques, communication skills, apply theoretical knowledge of principles and concepts of Physics to practical problems.
* Demonstrate Use of critical thinking, hypothesis building, and application of the scientific method to physics concepts.
* Pursue physics as a teaching and research career and doing job in various industries, colleges etc.

# BSc - Chemistry

* Students understand the basic principles of chemical sciences
* Students acquire the knowledge of basic and applied chemistry
* Study of physical properties of matter - melting point, boiling point, surface tension, viscosity, optical acitivty etc
* The obtained knowledge is quite promising and forms the foundation of advanced knowledge in further higher education. Students understand basic mathematical concept and their applications in practicals
* Student’s understand different methods of compound analysis.
* Students understand the role of chemistry in daily life
* Students learn the chemical composition of some of the products of routine use fats, oils, soaps etc.
* Students can handle basic and modern instruments independently
* Students understand and follow safe laboratory practices
* Students learn problem solving approach

# BSc - Mathematics

* The course increases the thinking capacity of the students
* The course develops the skill of applications of mathematics to the real value problems
* The course enables to study the numerical methods for the problems
* The course gives the ideas of number systems and their extension
* The course gives the ideas and methods to solve different differential equations
* The course enables to learn abstract mathematics
* The course enables to generalize the ideas in mathematics
* The course gives the ability to solve linear differential equations of nth orders
* The course is able to conduct the self-evaluations and continuously enrich themselves through lifelong learning
* The course is able to setup mathematical models of real-world problem and obtain their solutions.

# BSc - Botany

* A degree with Botany is applicable to various careers for students
* Some Botanists work primarily outdoors, in forests, or fields for identification of Plants
* Others work in laboratories, museums, in botanical gardens, or in industry
* Graduates go into fields to study diversity of plant, environmental monitoring and protection, and agriculture in seed companies
* More than half of Botany students go on to post graduate/higher studies in natural science, agriculture, environmental sciences, and education
* Students can work to develop organic farming bio-fertilizers production
* Forest Services in Forest Department
* Pharmaceutical industries
* Botanical garden, landscaping
* Plant Nurseries and plant multiplications
* Breeding technician

# BSc - Zoology

* The BSc Program develops scientific principles, behaviors, evolution and physiological aspects of animals
* The qualities of a science - Identification, classification, observation, clarity of thought and expression, systematic approach, morphological and anatomical knowledge making are confirmed
* The program also empowers the graduates to appear for various competitive examinations or choose the post graduate program of their choice
* This program updates the knowledge of learners to formulate and study of biodiversity
* This program enables the learners to perform the jobs in diverse fields such as Forest department, Genetic engineering, Zoological survey of India, Agricultural sector, Academicians, self-business, etc
* Students can opt to make career in industrial automation

# BSc - Computer Science

* This program makes learners aware of the history of the discipline of Computer Science and understand the conceptual underpinnings of the subject
* Students understand the nature of the software development process, including the need to provide appropriate documentation
* The program also empowers the graduates to appear for various competitive examinations or choose the post graduate program of MSc Computer Science
* Understand the nature of the software development process, including the need to provide appropriate documentation
* Understand standard techniques for solving a problem on a computer