S.P.M's Nabira Mahavidyalaya Katol.
(Arts, Science and Commerce)
(Internal Quality Assurance Cell)
Course Outcomes (2017-2018)

U.G.PROGRAM OUTCOME–
(Arts, Science and Commerce)

Student seeking admission for undergraduate course is expected to inculcate the following quality which helps them to achieve quality and sense of social responsibility in their future.

- Realization of human values and relationship.
- Sense of social service.
- Responsible citizen.
- Critical temper.
- Creative ability.

Course Outcomes - B.A. MARATHI

- Creating an interest in Marathi literature.
- Job opportunities in translation, and media.
- Developing the sense of Marathi language.
- Increasing the critical attitude about literary studies.
- increasing the literary research attitude.

Course Outcomes - B.A. ENGLISH

A student, who has taken admission into this program of B.A with English as specific subject of study, is expected to target on following outcomes.

- Basic sense of English Language.
- To develop interest in English grammar.
- To create interest in English Literature
- Critical study of English Literary studies.
- Relation between pleasure of literature and real life.
- To develop interest in creative writing.
- Job opportunities in various fields.

Course Outcomes - B.A. ECONOMICS

- To create interest among the students about various Economics theories and concepts.

- To develop marketing and entrepreneurship skills among the students.
- To create internet among the students about the budget of various countries.
- To develop employability skill in students.
- To aware students of history of Economic development at national and international level.
- To develop research knowledge in economics.
- To create interest about changing macro-economic policies and theories.

Course Outcomes - B.A. POLITICAL SCIENCE

- To acquire Knowledge about political system of the nation.
- Study of national and international political affairs.
- To increase the interest for competitive examination.
- To understand the government mechanism, its functions, duties and responsibilities.
- Creating appropriate and efficient political leaders.
- To get knowledge of political law.
- To acquire knowledge of Constitution of India.

Course Outcomes - B.A. PHILOSOPHY

- To get knowledge about the great philosophers and thinkers.
- To create interest among the students about the concept of the Ultimate Truth.
- To provide knowledge about the various religions in the world.
- Useful for various competitive examinations.
- To develop skill for good argument.
- To develop moral and cultural values.

Course Outcomes - B.A. HOME ECONOMICS

- To introduce the job opportunities in Home-Economics.
- To train the students for self employment.
- To provide knowledge and develop skills regarding principles and methods of interior decoration.
- To develop ability to improve the nutritional quality of food.
- To sensitize the students to interventions in the field of child development.
- To develop creative ability in students.

Course Outcomes - B.A. HISTORY

- To acquire knowledge about the life and the work of great heroes in the world.
- To create interest in archeological survey.
- To get knowledge about the historical places and their importance.
- Useful to be a great orator acquiring knowledge about the great historical people.
- To make comparison of dynasties of different countries.

- Useful for competitive examinations.
- To develop interest in jobs in tourism places.

PROGRAMME - BACHELOR OF SCIENCE (B.Sc.)

- Students taking admission to this program of B.Sc. are expected to get prepared with following outcomes:
- Explaining the basic scientific principles and methods.
- Inculcating scientific thinking and awareness among the student.
- Ability to communicate with others in regional language and in English.
- Ability to handle the unexpected situation by critically analyzing the problem.
- Understanding the issues related to nature and environmental contexts and sustainable development.

Course Outcomes - B. SC. CHEMISTRY

- To exhibit, solve and understanding of major concepts in all disciplines of Chemistry.
- To think methodology and solve the problem.
- To create awareness of the impact of Chemistry on environment, society and development outside the scientific community.
- Find out the non-conventional route for Chemical reaction for sustainable and eco-friendly development.
- To use modern techniques, well standard equipments and Chemistry software.
- To understand good laboratory with safety.
- To make aware of the sophisticated instruments.
- To acquire knowledge of Chemistry through theory and practical.

Course Outcomes -B. SC. MATHEMATICS

- It inculcates the discipline, punctuality and well organization among the students.
- It enables to think critically and design complex and critical financial models for Bank and Insurance Companies.
- Students will be able to make critical observations
- To recognize and differentiate among diverse cultures through the history of mathematics.
- It enables to apply analytical and theoretical skills to model and solve mathematical problems.
- It enables to analyze data and draw appropriate statistical conclusions.
- It develops the mathematical logic which is very useful for solving mathematical reasoning problems in all competitive examinations.

Course Outcomes - - B. SC. PHYSICS

- A general idea about what is science, what is scientific temper, history of science and scientific revolutions.
- Developing the scientific approach, ability and techniques to handle problems either theoretical or experimental in nature.
- Learning the basics of properties of matter, different modulus of elasticity and how they are evaluated for different shapes of practical relevance.
- Learning the fundamentals of harmonic oscillator model, including damped and forced oscillators.
- Familiarize with general terms in acoustics like intensity, loudness, reverberation etc, and study in detail about production, detection, properties and uses of ultrasonic waves.
- d. Study in depth the transient current response of CR, LC, CR and LCR circuits, which is essential in designing as well as understanding the working of electronic circuits.
- Understanding the basic concepts of certain fields such as nuclear and high energy physics, atomic and molecular physics, solid state physics, astrophysics, general theory of relativity, digital electronics, optical fibers and importance of their use for mankind.
- Students will show that they have learnt laboratory skills, enabling them to take measurements in physics laboratory and analyze the measurements to draw valid conclusions.

Course Outcomes - B. SC. ELECTRONICS

- To understand the operation of semiconductor devices. Design and analyze of electronic circuits and its real life use.
- Develop a digital logic and apply it to solve real life problems. Understand the fundamentals and areas of applications of integrated circuits.
- Apply EDA tools to design linear and non-linear systems. Specify, design and test power supplies for electronic systems.
- Analyze and design analog and digital communication systems. Architect modern communication systems to meet stated requirements.
- Knowledge of microprocessor, Microcontroller, Interfacing and software programming for industries and professional needs.
- Implementing mini projects based on electronics circuit concepts. Work in a team using technical knowhow, common tools and environments to achieve project objectives.

Course Outcomes - B. SC. COMPUTER SCIENCE

- Effectively communicating computing concepts and solutions to bridge the gap between computing industry experts and business leaders to create and initiate innovation.

- Ability to use approximately system design notations and apply system design engineering process in order to design, plan and implement software systems.
- Preparing for a career in an information technology oriented business or industry or for graduate study in computer science or other scientific or technical fields.
- Ability to complete successfully to program small –to-mid-size programs on their own.
- Effectively utilizing the knowledge of computing principles and mathematics theory to develop sustainable solutions to current and future computing problems.
- Developing and implementing solution based system and/or process that address issues and/or improve existing systems within a computing based industry.

Course Outcomes - B. SC. BOTANY

- The interest of students towards understanding the surrounding environment and plant role in maintaining the environment will increase.
- Students will become more aware of the ecosystem management.
- Students will learn in detailed about plant life cycles and their applications.
- Students will learn about medicinal aspects of plants and their applications.
- They can opt for startups related to medicinal farming and Ayurved industry.
- Detailed understanding of various aspects related plants will lead to scientific temper development in students.
- The degree in Botany will help students to fetch jobs in private industries working related to plants and their products and also the knowledge gained during degree tenure will help in preparation for competitive examinations.
- **Course Outcomes - B. SC. ZOOLOGY**
- To identify the invertebrates and classify them up to the class level with the basis of systematic.
- Enable the students to understand the chordates and to get a concrete idea of their evolution.
- Identify animals beneficial to humans.
- Use tools of information technology for all activities related to zoology.
- Understanding on the process and theories in evolutionary biology.
- Detailed understanding of various aspects related animal life cycle will lead to scientific temper development in students.
- Enable students to acquire basic skills in the observation and study of nature, biological techniques.
- Information of the subject will help students to fetch jobs in private industries working related to animals and their products and also help in preparation for competitive examinations.

Course Outcomes - B. SC. MICROBIOLOGY

- It develops the skill among student to grow the microorganisms from environmental samples to monitor environmental changes.

- The subject develops of microbial techniques such as isolation, identification of microbes.
- It's creating the job opportunity and open the entrepreneur ability among students.
- Built the ability to start their microbial based cottage industries in area.
- Microbiology subject develop and prepare he man power to being a part of fermentation industries and leading advance research in India and abroad.
- Subject creating opportunities in Pharmacy Industries, Fermentation.

Course Outcomes- B.SC. BIOTECHNOLOGY

- Biotechnology develops the skill among student to work with genetic material and Recombinant technology
- It opens the new opportunity for development of agriculture, Genetic modify food and industries.
- Biotechnological tools and techniques play important role in sustainable energy and environmental management.
- The course develops skill among students to handle various equipments and genetic material isolation of DNA RNA and plasmid.
- It's also creating the job opportunity and opens the entrepreneur ability among students.
- Built the ability to start their Biotechnological Based Diagnosis Lab.

Subject creating opportunities in Pharmacy Industries, Healthcare Industries, Hospitals RIA labs etc.

Program Outcomes- BACHELOR OF COMMERCE (B.COM)

- Students who have taken admission to this program of B.Com are expected to concentrate upon the following outcomes.
- Business sense.
- To develop managerial skills.
- To increase interest in Entrepreneurial skill.
- Budgeting policy.
- To acquire knowledge about Human Resources Management.
- To develop Numerical ability.
- Well versed with business regularity framework.