



Pravara Rural Education Society's,
Women's College of Home Science and BCA,
Loni, Tal-Rahata, Dist-Ahmednagar -413736



**Programme Outcome, Programme
Specific Outcome and Course Outcome**

Programme Outcome, Programme Specific Outcome and Course Outcome

Department of BCA

Department of Computer Applications	After successful completion of three years degree program in BCA
Programme Outcomes	<p>PO1- Enabled students to develop problem solving competence while using computer</p> <p>PO2- Skills and analytical abilities in computer based solutions developed in students.</p> <p>PO3-Inculcated various software development practices</p> <p>PO4- Developed awareness about automation</p> <p>PO5- Trained students in professional skills</p> <p>PO6- Understood the issues of Green Computing</p> <p>PO7- Developed the skills necessary in career of Computer Applications</p>
Programme Specific Outcome	<p>PSO1- Produced knowledgeable and skilled human resources which employable in IT and ITES.</p> <p>PSO2- Imparted knowledge required for planning, designing and building Complex Application Software Systems</p> <p>PSO3- Provided support to automated systems or application.</p> <p>PSO4- Produced entrepreneurs who developed customized solutions for small and medium Enterprises.</p>
Course Outcomes of Bachelor of Computer Applications	
Semester – III	
Course	Outcomes
BCA301 Data Structure	<p>CO1-To study the various structures or methods of organizing data in computer's memory</p> <p>CO2-To efficient implement of various structures</p>
BCA302 Advanced Relational	<p>CO1-To study fundamental concepts of RDBMS (PL/Pgsql)</p> <p>CO2-To study database management operations</p>

Database Management System	CO3-To study data security and its importance CO4-To study client server architecture
BCA303 Software Engineering	CO1-To understand system concepts CO2-To know about software engineering and its application in Software development
BCA304 Introduction to Computer Network	CO1-To Build an understanding of the fundamental concepts of computer networking. CO2-To prepare students with basic networking concepts: data communication, protocols and standards, various topologies & applications of network.

Course Outcomes of Bachelor of Computer Applications
Semester IV

Course	Outcomes
BCA401 C++	CO1-Understand object oriented programming: CO2-Be able to explain the difference between object oriented programming and procedural programming CO3-Be able to program using C++ features such as Class, objects, operator overloads, dynamic memory allocation, inheritance and polymorphism, file I/O, exception handling, etc. CO4-Be able to build C++classes using appropriate encapsulation and design principles. CO5-Improve problem solving skills CO6-Be able to apply object oriented or non-object oriented techniques to solve bigger computing problems
BCA402 Introduction to Web Technology	CO1-Students will be familiar with client server architecture and able to develop a web applications CO2-Students will gain the skills and project based experience needed for entry into web application and development careers
BCA403 Advanced Networking and Network Security	CO1-To defend and protect the network infrastructure, architecture, protocols and applications in order to deliver secured protocols, applications, services and data

	<p>CO2-Students will be critically evaluate and analyzed network security requirements to fulfill organizational objectives</p> <p>CO3- Have a basic knowledge of the use of cryptography and network Security</p>
<p>BCA404 OOSE</p>	<p>CO1-To investigate principles of Object Oriented Software Engineering from analysis to testing</p> <p>CO2-To learn software development life cycle for object oriented solutions for real world problems</p> <p>CO3-To learn various modeling techniques to model different perspectives of Object Oriented Software designs</p>
<p>BCA407 Grid and Cloud Computing</p>	<p>CO1-It focuses on High performance computing clusters and Web Services and their applications in economic and federated models of Grid and Cloud Computing</p> <p>CO2-Analyze the problems & solutions to cloud application programs</p>

Course Outcomes of Bachelor of Computer Applications

Semester V

Course	Outcomes
<p>BCA501 Java Programming</p>	<p>CO1-To understand fundamentals of object-oriented programming in Java, including defining classes, invoking methods, using class libraries, etc.</p> <p>CO2-To handle abnormal termination of a program using exception handling</p>
<p>BCA502 Advanced Web Technology</p>	<p>CO1- To give students the opportunity to enhance and enrich their skills in Web programming.</p> <p>CO2- To know & understand concepts of internet programming.</p> <p>CO3- Students are able to develop a dynamic webpages by the use of the JAVA Script and HTML</p>
<p>BCA503 Software Quality Assurance</p>	<p>CO1-To understand the basic of quality software and quality factors.</p> <p>CO2-To understand software quality architecture and component.</p> <p>CO3-To understand software project life cycle, infrastructure and software quality standards.</p>

BCA504 Operating System	CO1-To understand the objectives, structure and functions of operating system CO2-To learn about concept of processes, threads and its scheduling algorithms CO3-To understand design issues in process synchronization and deadlock management CO4-To study various memory management schemes CO5-To learn about concept file and I/O management in detail.
BCA507 Soft Computing	CO1-To learn the concept of soft computing. CO2-Understand different soft computing techniques like Genetic Algorithms, Fuzzy Logic, Neural Networks and their combination

Course Outcomes of Bachelor of Computer Applications
Semester VI

Course	Outcomes
BCA601 Android Programming	CO1-To understand the Android Operating System CO2-To develop applications using Google's Android open-source platform
BCA602 Python Programming	CO1-To introduce various concepts of programming to the students using Python. CO2-Students should be able to apply the problem solving skills using Python
BCA603 Recent Trends in IT (Internet of Things)	CO1-The Internet of Things (IoT) is aimed at enabling the interconnection and integration of the physical world and the cyber space. CO2-To learn about SoC architectures, programming Raspberry Pi and implementation of internet of things and protocols. CO3-Enable learners to understand System On Chip Architectures. CO4-Introduction and preparing Raspberry Pi with hardware and installation. CO5-Learn physical interfaces and electronics of Raspberry Pi and program them using practical's

	CO6-Learn how to design IoT based prototypes.
BCA604 Data Analytics	CO1-Able to apply fundamental algorithmic ideas to process data. CO2-Learn to apply hypotheses and data into actionable Predictions.
BCA607 Introduction to Green Computing	CO1-Building more energy-efficient computing systems as well as building computing technology that increases energy-efficiency of other physical systems. CO2-Investigate recent advances in the broad realm of green technologies to save energy and reduce the carbon footprint of modern computing and engineered systems. CO3-A holistic coverage is given ranging from single device issues to algorithms for reducing power consumption of data centers, transportation systems and smart buildings.

Programme Outcome, Programme Specific Outcome and Course Outcome

Department of Home Science

Department of Home Science	After successful completion of three years degree program in B.Sc. (Home Science)
Programme Outcomes	PO1- Developed problem solving competencies in life skills PO2- Understood the role of interdisciplinary sciences in the development of individual, families and communities PO3-Enhanced the application of science and technologies in quality of life of individual PO4- Acquired professional and entrepreneurial skills for Economic empowerment of self in particular and community in general PO5- Trained students in professional skills PO6- Understood the issues of Green technology PO7- Developed professional skills in foods and nutrition, textiles Science, housing, product making, communication technologies and human development

	PO8- Adopted and transfer the scientific innovations from lab to the community
Programme Specific Outcome	<p>PSO1- Understood the concepts of different areas of home science</p> <p>PSO2- Produced knowledgeable and skilled human resources which is employable in food industries, hospitals and textile industries</p> <p>PSO3-Comprehended the current techniques in foods and nutrition and textile science</p> <p>PSO4- Produced entrepreneurs who developed customized solutions for small and medium Enterprises</p>

Course Outcomes of Bachelor of Home Science
Semester – III

Course	Outcomes
51121- Health, Hygiene & Sanitation Microbiology	<p>CO1-Identify critical control of points.</p> <p>CO2-Describe food borne illness symptoms and Preservatives methods.</p> <p>CO3-Describe Personal hygiene and health habits.</p> <p>CO4-Describe how to prepare potentially hazardous food according to safe time & temperature Principles.</p> <p>CO5-Recognize signs of food spoilage.</p> <p>CO6-Recognize safe receiving storing & handing raw and prepared foods</p>
51122- Textile science	<p>CO1-To Know Cultivation, Properties and uses of Natural Fibers</p> <p>CO2-To Know Cultivation, Properties and uses of Manmade fibers</p> <p>CO3-To gain knowledge of Blend and Union fabrics</p> <p>CO4-To understand preprocessing finishes</p>
51123- Family dynamics	<p>CO1-To sensitize the students towards marriage and family.</p> <p>CO2-To understand the traditional and changing norms of the institution of the family with reference to its social environment.</p>

	<p>CO3-To get familiar with the concept of marriage and planned parenthood and the areas of adjustment within the family.</p> <p>CO4-To become aware of problems in family and way of coping</p>
<p>51124- Home science extension and extension programme planning</p>	<p>CO1-To know the meaning and importance of programme planning</p> <p>CO2-To understand the role of communication and technology in the process of communication</p> <p>CO3-To create an awareness regarding the development through various agencies</p> <p>CO4-Understand the importance and process of programme planning and management in extension</p> <p>CO5-Develop an ability to plan, implement, monitor and evaluate extension programmes</p>
<p>51125- English</p>	<p>CO1-To enable the student to read with fluency while simultaneously comprehending passages in English</p> <p>CO2-To equip the student with skills to participate independently in conversations and discussions conducted in English</p> <p>CO3-To develop written communication skills for everyday and professional communication</p> <p>CO4-To develop the student's creatively so that she may express her ideas descriptively and creatively</p>
<p>Course Outcomes of Bachelor of Home Science Semester IV</p>	
Course	Outcomes
<p>51131- Human Nutrition</p>	<p>CO1-Gain knowledge of the fundamentals of the science of nutrition</p> <p>CO2-Identify and relate the underlying biological, chemical and regulatory role of nutrients.</p> <p>CO3-To aware about nutrient deficiencies</p> <p>CO4-To help the students acquire knowledge of chemistry, which is essential to understand the Nutrition Courses</p>
<p>51132-</p>	<p>CO1-To develop an ability to choose the appropriate clothing for</p>

Clothing for family	different age groups. CO2-To enable students to understand psychological effect of clothing.
51133- Introduction to early childhood education	CO1-To develop and understand the need and importance of early childhood education. CO2-To develop and understand curricular planning. CO3-To learn various skills required for conducting developmentally appropriate program for children. CO4-To gain insight into the organization and management of a preschool center.
51134- Consumer Education (HM)	CO1-The overall goal of consumer studies is to create awareness about consumer problems in the market. CO2-To impart knowledge regarding the role of consumer guides and agencies. CO3-To enable the students to develop good buy man ship Skills in the selection of goods and services in the market. CO4-To help the students to realize their rights and responsibilities as informed consumers
51135- English	CO1-Prepare and deliver an effective presentation CO2-Write an effective resume CO3-Appear for an interview process with confidence CO4-Develop skills of reading literary narratives with understanding and appreciation
Course Outcomes of Bachelor of Home Science Semester V(FSN)	
Course	Outcomes
51141- Basic Nutritional Biochemistry	CO1-Understand fundamental biochemical concepts. CO2-Relate metabolic processes with each other. Interpret the outcome of metabolic processes
51142- Food Microbiology	CO1-Understand the basic principles of food microbiology. CO2-Identify organisms involved in the contamination and

	<p>spoilage of various foods.</p> <p>CO3-Develop an awareness of the beneficial effects of micro-organisms</p> <p>CO4-To understand the nature and the role of microorganisms in food.</p> <p>CO5-To have a knowledge of the basic principles of food sanitation and safety.</p> <p>CO6-To acquire a perspective of the importance of microorganisms in environmental microbiology</p>
51143- Food Preservation	<p>CO1-Understand the basic principles of food preservation.</p> <p>CO 2-Learn the various preservation techniques and their applications</p>
51144- Normal and Therapeutic nutrition)	<p>CO1-Understand the physiological changes, special needs and health concern of people at different stages of life</p> <p>CO2-Understand the relationship of nutrition to physical, psychological growth and development and ageing</p> <p>CO3-Acquire the ability to modify the normal diet to suit individual needs in specific disease conditions</p>
51145- Finishing Skills Skill	<p>CO1-Understand the concept of entrepreneurship</p> <p>CO2-Acquire knowledge about the world of entrepreneurs</p> <p>CO3-Understand and inculcate entrepreneurial values, attitudes, qualities and desires.</p> <p>CO4-To make the students understand the principles involved in the estimations.</p> <p>CO5-Understand the concept of entrepreneurship</p> <p>CO6-Understand the concept of Computer</p>
Course Outcomes of Bachelor of Home Science Semester V(T &C)	
51161- Textile design (Printed &	<p>CO1-To inculcate the industry based knowledge of different weaves, their Peg plans.</p>

woven)	CO2-To introduced various techniques used in industry for developing and placing Repeats and their use in textile industry
51162- Wet Processing	CO1-To understand various pretreatment & their importance for textiles CO2-To understand the various types of finishes CO3-The learner will know the different preparatory and post processes of textile fabrics. CO4-The learner will know about the chemicals used on textile fabrics during these processes
51163- Fashion Illustration & Fashion Merchandising	CO1-To develop merchandising attitude among students. CO2-Keep abreast with current fashion trends. CO3-To develop a sense for price affecting factors and how to overcome it in Textile and Fashion industry.
51164- Indian Embroidery & Stitch craft	CO1-To acquire knowledge of different textiles produced in different states of India. CO2-To acquaint the students with the different motifs, colors and weaving techniques used in the textiles along with their significance. CO3-To acquire knowledge of various embroideries done in India with the historical background of each. CO4-To learn different types of stitches, motifs, colors and materials used in the embroideries and their significance CO5-To acquaint the students with the work of handloom board, khadi board in India.
51165- Finishing Skills	CO1-Understand the concept of entrepreneurship CO2-Acquire knowledge about the world of entrepreneurs CO3-Understand and inculcate entrepreneurial values, attitudes, qualities and desires. CO4-To make the students understand the principles involved in the estimations. CO5-Understand the concept of entrepreneurship

	CO6-Understand the concept of Computer
Course Outcomes of Bachelor of Home Science Semester VI(FSN)	
Course	Outcomes
51151- Institutional food service management)	CO1-Understand the Concept of Catering Management CO2- Understand the Basic Concept of Financial Management CO3-Understand Food laws CO4-Acquire the ability of quantity Cookery
51152- Community Nutrition	CO1-Identify the causes of commonly prevalent nutritional problems in the country. CO2-Understand various methods of assessment of the nutritional status in the community. CO3-Know about strategies and intervention programmes undertaken by the government, National and international voluntary agencies to combat nutritional problems.
51153- Food product development and quality control	CO1-To understand the principle, working and use of various equipments CO2-To enable students to practice bulk food production CO3-To help students identify types of new products. CO4-Student will develop a product suitable for specific needs . CO5-It will help develop entrepreneurial skills. CO6-It will help detect the Quality Food
51154- Diet Therapy	CO1-Understand the etiological factors and physiological changes associated with specific disease conditions. CO2-Develop an insight into the role of modified diets in specific conditions. CO3-Understand the basic principles of diet therapy. CO4-Be aware of the physiological changes associated with specific diseases. CO5-Understand the relationship between dietary modifications

	<p>and physiological changes observed in specific disease conditions.</p> <p>CO6-Acquire the ability to modify the normal diet to suit individuals suffering from specific diseases and lifestyle disorders</p>
<p>51155- Finishing Skills</p>	<p>CO1-Understand the concept of entrepreneurship</p> <p>CO2-Acquire knowledge about the world of entrepreneurs</p> <p>CO3-Understand and inculcate entrepreneurial values, attitudes, qualities and desires.</p> <p>CO4-To make the students understand the principles involved in the estimations.</p> <p>CO5-Understand the concept of entrepreneurship</p> <p>CO6-Understand the concept of Computer</p>
<p>Course Outcomes of Bachelor of Home Science Semester VI(T & C)</p>	
<p>51171- Dyeing & Printing)</p>	<p>CO1-The learner will acquire knowledge of various dyes used on textile fibers.</p> <p>CO2-The learner will learn the procedure of dyeing different textile materials.</p> <p>CO3-To learn different styles and methods of printing</p> <p>CO 4-The learner will get knowledge of the different machinery used for the same</p>
<p>511672- Textiles & Costumes of India</p>	<p>CO1-To acquire knowledge of different textiles produced in different states of India.</p> <p>CO2-To acquaint the students with the different motifs, colors and weaving techniques used in the textiles along with their significance.</p> <p>CO3-To acquire knowledge of various embroideries done in India with the historic background of each.</p> <p>CO4-To learn different types of stitches, motifs, colors and materials used in the embroideries and their significance</p>

	CO5-To acquaint the students with the work of handloom board, khadi board in India.
51173- Textile Testing	CO1-To inculcate the scientific approach among students about Textile by using various testing equipments. CO2-To develop an ability towards selection of perfect material for pre decided end use. CO3-To make the students a smart consumer. CO4-To develop the scenes of assurance for quality of textile material among students.
51175- Finishing Skills	CO1-To inculcate expertise knowledge among students for Applied and Industrial Textile. CO2-To enable students to understand effect of finished product and its simultaneous effect on market demands.