

Lewa Educational Union's
Dr. Annasaheb G. D. Bendale Mahila Mahavidyalaya, Jalgaon
Certificate Course Outcomes 2022-23

Department of Zoology	
Name of the Certificate Course	Outcomes
1. Certificate Course in Beekeeping and Honey processing	<ul style="list-style-type: none"> • Student will understand the basic of beekeeping tools, equipments and managing beehives.
	<ul style="list-style-type: none"> • Student will understand the primary lifecycle of the honey bees.
	<ul style="list-style-type: none"> • Student will learn and manage beehives for honey production and pollination.
	<ul style="list-style-type: none"> • Student will provide self-employment to the learners.
	<ul style="list-style-type: none"> • Student will aware the usefulness of beekeeping in pollination of the flora.
	<ul style="list-style-type: none"> • Student will understand the various bee products.
2. Certificate course in Lab Technician	<ul style="list-style-type: none"> • After completing Laboratory Technology course, the graduate should be able to work efficiently in medical laboratories.
	<ul style="list-style-type: none"> • Work under different specialties of Laboratory Medicine (Biochemistry, Microbiology, Pathology and Blood bank departments respectively) program.
	<ul style="list-style-type: none"> • Obtain a holistic knowledge of hematology parameters, Laboratory instruments and Lab safety.
Department of Chemistry	
Name of the Certificate Course	Outcomes
1. Certificate Course in Soil Analysis	<ul style="list-style-type: none"> • Understand basic concepts about soil.
	<ul style="list-style-type: none"> • Develop basic understanding regarding soil testing.
	<ul style="list-style-type: none"> • Become familiar with macro and micro nutrients present in the soil.
	<ul style="list-style-type: none"> • Learn to determine quality of soil.
	<ul style="list-style-type: none"> • Handle the instruments.
2. Certificate Course in Food Adulteration	<ul style="list-style-type: none"> • Develop basic understanding regarding food adulteration.
	<ul style="list-style-type: none"> • Become aware about food adulteration practices.
	<ul style="list-style-type: none"> • Identify the adulterants present in the sample and compare it with standard products.
	<ul style="list-style-type: none"> • Protect the public from poisonous and harmful foods.
	<ul style="list-style-type: none"> • Determine quality of food in day-to-day life.
	<ul style="list-style-type: none"> • Protect the interest of consumers by eliminating fraudulent practices.
Department of Electronics and Computer	
Name of the Certificate Course	Outcomes
1. Certificate Course in IoT (Internet of Things) based system Design (CCIoT) (In collaboration with Dept. of Computer Science)	<ul style="list-style-type: none"> • Learn how to prototype circuits with a breadboard
	<ul style="list-style-type: none"> • Learn the Arduino programming language and IDE
	<ul style="list-style-type: none"> • Program basic Arduino examples
	<ul style="list-style-type: none"> • Prototype circuits and connect them to the Arduino
	<ul style="list-style-type: none"> • Program the Arduino microcontroller to make the circuits work

	<ul style="list-style-type: none"> Understand the key components that make up an IoT system Apply the knowledge and skills acquired during the course to build and test a complete, working IoT system involving prototyping, programming and data analysis
Department of Electronics	
Name of the Certificate Course	Outcomes
1. Certificate Course in PCB Designing (CCPCBD)	<ul style="list-style-type: none"> Appreciate the necessity and evolution of PCB, types and classes of PCB.
	<ul style="list-style-type: none"> Understand the steps involved in schematic, layout, fabrication and assembly process of PCB design
	<ul style="list-style-type: none"> Understand basic concepts of transmission line, crosstalk and thermal issues.
	<ul style="list-style-type: none"> Design (schematic and layout) PCB for analog circuits, digital circuits and mixed circuits.
	<ul style="list-style-type: none"> Design (schematic and layout) and fabricate PCB for simple circuits.
Department of Psychology	
Name of the Certificate Course	Outcomes
1. Certificate Course in Guidance and Counselling	<ul style="list-style-type: none"> Students can be eligible for any advanced courses in Counselling.
	<ul style="list-style-type: none"> Students can get opportunities to join as a counsellor in various fields like hospitals, colleges, schools, industry, government / private counselling sector etc.
	<ul style="list-style-type: none"> Students can get confidence to find the solutions of his own or his intimate people's day-to-day adjustment problems.
2. Certificate Course in Personality Development	<ul style="list-style-type: none"> Students can know the basics of personality
	<ul style="list-style-type: none"> Students can get opportunities to develop their own personality.
	<ul style="list-style-type: none"> Students can get confidence to help others to develop their personality.
Department of Botany	
Name of the Certificate Course	Outcomes
1. Certificate Course in Plant Tissue Culture	<ul style="list-style-type: none"> The student will able to handle all the equipments used in tissue culture laboratory.
	<ul style="list-style-type: none"> The student will able to acquire different techniques used in plant tissue culture
	<ul style="list-style-type: none"> The student will able to know about current status and future of biotechnology in India.
	<ul style="list-style-type: none"> The student will able to design tissue culture laboratory.
	<ul style="list-style-type: none"> The student will able to get the advanced knowledge of different institutes related with biotechnology.
Department of English	
Name of the Certificate Course	Outcomes
1. Certificate Course in Spoken English	<ul style="list-style-type: none"> The course will assess & evolve the linguistic skills and proficiency of competitive exams aspirants.

	<ul style="list-style-type: none"> The course will develop comprehensive skills and expressive ability of the learners in English.
	<ul style="list-style-type: none"> The course will be beneficial to get conceptual clarity & to use English language grammatically and appropriately.
	<ul style="list-style-type: none"> The course will heighten the passing percentage of the aspirants.
Certificate course in competitive Exam	<ul style="list-style-type: none"> The course will assess & evolve the linguistic skills and proficiency of competitive exam aspirants. The course will develop comprehensive skills and expressive ability of the learners in English. The course will be beneficial to get conceptual clarity & to use the English language grammatically and appropriately. The course will heighten the passing percentage of the aspirants.
Department of Physics	
Name of the Certificate Course	Outcomes
1. Certificate Course in Electrical Domestic Appliances	<ul style="list-style-type: none"> To make students able to understand the significance of electrical home appliances.
	<ul style="list-style-type: none"> To make students able to understand basic functions of electrical home appliances.
	<ul style="list-style-type: none"> To make students able to use basic working of electrical home appliances.
	<ul style="list-style-type: none"> To make students able to understand maintenance of electrical home appliances.
Department of Economics	
Name of the Certificate Course	Outcomes
1. Certificate Course in Banking & Finance Examinations Preparations	<ul style="list-style-type: none"> Job opportunities will be available to students who want to pursue a career in Banking.
	<ul style="list-style-type: none"> The share of women in the economic management of the country will increase.
	<ul style="list-style-type: none"> The participation of women in the economic sector will increase.
Department of Geography	
Name of the Certificate Course	Outcomes
1. Certificate course in Travels & Tourism	<ul style="list-style-type: none"> To develop an in-depth knowledge and understanding of the techniques, principles, concepts, values substantive rules and development of the core area of tours and tourism.
	<ul style="list-style-type: none"> To develop the knowledge skill and attitude to creatively and systematically apply in the travel and tourism.
	<ul style="list-style-type: none"> To prepare students for managerial roles in the tourism service industry for leadership roles and of a travel firm or becoming a tourism entrepreneur.
	<ul style="list-style-type: none"> To make students capable of the applicable National Occupational standards (NOS) in the travel and tourism industry in the national and global context.
2. Certificate course in Geoinformatics	<ul style="list-style-type: none"> To acquaint the students with new concept and

	approaches in Geography.
	<ul style="list-style-type: none"> To familiarize the students with the wide application fields in Geography.
	<ul style="list-style-type: none"> Understanding the basics of computer and Geoinformatics.
	<ul style="list-style-type: none"> Learning cartography techniques and map projection system.
Department of Mathematics	
Name of the Certificate Course	Outcomes
1. Certificates course of Fundamental of Mathematics	<ul style="list-style-type: none"> To entice students for competitive examinations.
	<ul style="list-style-type: none"> To enhance the understanding still of students.
	<ul style="list-style-type: none"> Students will recognize problem solving techniques appropriate to a given situation.
	<ul style="list-style-type: none"> Solve-open-ended elementary school problems.
	<ul style="list-style-type: none"> To nurture the fundamental mathematics skills.
	<ul style="list-style-type: none"> To introducing Quantitative aptitude for Mathematics.
Department of Hindi	
Name of the Certificate Course	Outcomes
1. Certificate course of the Art of Fichar	<ul style="list-style-type: none"> To develop feature writing skills in students
	<ul style="list-style-type: none"> Empowering students about employment through feature writing
	<ul style="list-style-type: none"> Feature Writing License for Newspaper Television Radio Internet
Department of Commerce and Management	
Name of the Certificate Course	Outcomes
1. Certificate Course in Capital Market	<ul style="list-style-type: none"> To bring awareness among the students about the Capital Markets.
	<ul style="list-style-type: none"> To familiarize the students with the documents and records required for D- mat.
	<ul style="list-style-type: none"> To enable students to acquire the basic skills to handle the D-mat account.
	<ul style="list-style-type: none"> To familiarize the students with the Practical Requirement in Capital Market
	<ul style="list-style-type: none"> To enable students to acquire the working knowledge about Securities in Capital Market.
2. Certificate course in Goods & Service Tax (GST)	<ul style="list-style-type: none"> Student will be equipped with the knowledge of basic concepts of goods and service tax, CGST, SGCT, IGST, classification of goods and valuation rules.
	<ul style="list-style-type: none"> Student will learn the basic procedures under GST incorporating the registration, filing of returns and payment of tax.
	<ul style="list-style-type: none"> Student will be equipped with the knowledge of composition scheme under GST, Exemptions under GST, concept of supply of goods, nature of supply.
	<ul style="list-style-type: none"> Students will also learn about the customs law, valuation and baggage rules
Department of Music	
Name of the Certificate Course	Outcomes

1. Certificate course of Light vocal	<ul style="list-style-type: none"> It will create employment opportunity, i.e., they can perform at events and get a good income.
	<ul style="list-style-type: none"> They will have a better understanding of Sur & Taal.
	<ul style="list-style-type: none"> Students will learn different forms of light music.
	<ul style="list-style-type: none"> It will help them improve their mental health.

Department of Computer science

Name of the Certificate Course	Outcomes
1. certificate Course in Web Designing	<ul style="list-style-type: none"> To develop web skill for developing websites.
	<ul style="list-style-type: none"> To define and support technology standards.
	<ul style="list-style-type: none"> To acquire skills for certation of dynamic web applications.
2. Diploma in Web Designing	<ul style="list-style-type: none"> To develop abilities for writing code java script and VB Script.
	<ul style="list-style-type: none"> To acquire skills for creation of applications using java programming.
3. Advance Diploma in Web Designing	<ul style="list-style-type: none"> To developing skills for writing java program using advanced topics.
	<ul style="list-style-type: none"> To acquire skills for certation of dynamic web applications using PHP.
4. Certificate Course in Big Data Analytics	<ul style="list-style-type: none"> To understand the Concept of Big Data Analytics
	<ul style="list-style-type: none"> To learn basic concepts of R-Programming
	<ul style="list-style-type: none"> Apply the R-Programming for Big Data Analytics
5. Certificate Courses in Animation	<ul style="list-style-type: none"> To familiarize the students with various software approaches and techniques of Animation Technology.
	<ul style="list-style-type: none"> To develop competencies and skills.
	<ul style="list-style-type: none"> Exploring different approaches in computer animation
6. Diploma Courses in Animation	<ul style="list-style-type: none"> To familiarize the students with various software approaches and techniques of Computer Graphics and Advance Animation Technology.
	<ul style="list-style-type: none"> To develop competencies and skills.
	<ul style="list-style-type: none"> Exploring different approaches in computer graphics and animation.

Department of Marathi

Name of the Certificate Course	Outcomes
1. Marathi Grammer Certificate Course	<ul style="list-style-type: none"> To practice competitive exam approach among students.
	<ul style="list-style-type: none"> This is a course on how to write cleanly and speak cleanly.
	<ul style="list-style-type: none"> Language Skills Development Tools through Marathi Grammar.
	<ul style="list-style-type: none"> Preparing for competitive exam through Marathi Grammar.

Department of Physical Health

Name of the Certificate Course	Outcomes
1. Certificate course in Yoga	<ul style="list-style-type: none"> Students will gain adequate knowledge and skills in yoga.
	<ul style="list-style-type: none"> Students will understand the concept of the human body, Asanas and Pranayama according to Yoga
	<ul style="list-style-type: none"> Students will study the Physiological and Psychological benefits of yogic practices.

	<ul style="list-style-type: none"> Students will know the role of yogic practices in curing different diseases
	<ul style="list-style-type: none"> Students will study the importance of yoga in physical education and sports
	<ul style="list-style-type: none"> Students will study the role of yoga in different stages of women's health.
Department of B.Voc.	
Name of the Certificate Course	Outcomes
1. Diploma in Fashion Designing	<ul style="list-style-type: none"> To Provide skills for aspirants in the fashion industry.
	<ul style="list-style-type: none"> To provide opportunities for staff in the fashion industry.
	<ul style="list-style-type: none"> To encourage knowledge and understanding of the Fashion Industry.
2. Diploma in Beauty Therapy	<ul style="list-style-type: none"> To provide skills for aspirants in the beauty industry.
	<ul style="list-style-type: none"> To provide opportunities for staff in beauty industry.
	<ul style="list-style-type: none"> To encourage knowledge and understanding of the beauty industry.
3. Advance Diploma Course in Beauty therapy and Hair Dressing	<ul style="list-style-type: none"> To provide skills at level 1 in the Qualification and credit framework for those interested in the beauty industry.
	<ul style="list-style-type: none"> To provide opportunities for staff in the beauty industry.
	<ul style="list-style-type: none"> To encourage knowledge and understanding of the beauty industry at level 1.
4. Certificate course in Beauty Therapy	<ul style="list-style-type: none"> To provide knowledge of basic beauty in threading, manicure, pedicure, facial, bleaching and decorate hands and feet.
	<ul style="list-style-type: none"> To provide knowledge of hair – dressing – services.
	<ul style="list-style-type: none"> To provide knowledge of Saree-tripping different Saree styles.
Department of Skills	
Name of the Certificate Course	Outcomes
1. Diploma In Certified Industrial Accountant (DCIA)	<ul style="list-style-type: none"> Basic Accounting/ Journal Entries/ Types of Business Organizations
	<ul style="list-style-type: none"> Creating Accounting Master in Tally.ERP 9/ Creating Inventory Master in Tally. ERP9
	<ul style="list-style-type: none"> Basic Inventory Transaction & Invoicing/ Data Entry using invoice Format
	<ul style="list-style-type: none"> Grouping of Accounting/ User Defined Voucher Types (Petty Cash Voucher)
	<ul style="list-style-type: none"> Interest on Loan Given-Compound Interest/ Interest on Receivable (Simple and Compound Interest)
	<ul style="list-style-type: none"> Interest on Loan Given-Simple Interest/ Interest on Payable (Advanced Parameters)
	<ul style="list-style-type: none"> Understanding Direct/ Indirect Income/ Expenses/ Additional Cost of Purchase
	<ul style="list-style-type: none"> Integrate Account and Inventory/ Point of Sales (POS)/ Job Costing
	<ul style="list-style-type: none"> Payroll/ GST (Goods and Service Tax)/ Current Indirect Tax System
	<ul style="list-style-type: none"> Company Level/ Stock Group Level/ Stock Item Level/ B2B Interstate/ Credit Note
	<ul style="list-style-type: none"> Exempted Goods/ Export Exempt/ Supply of Service/

	URD/ Import Goods and Services
	<ul style="list-style-type: none"> • Tax Liability and Payment of Tax Against Reverse Charges/ GST Return
2. Advance Diploma in Programming & Application	<ul style="list-style-type: none"> • Basic Fundamentals of programming, Theory part of Software Engineering
	<ul style="list-style-type: none"> • Idea of Algorithm and Flowcharts, DFDs
	<ul style="list-style-type: none"> • Programming techniques and Practical of C and C++
	<ul style="list-style-type: none"> • HTML / JAVA / Ms- Access / Python
3. Certificate Course in C Language	<ul style="list-style-type: none"> • List the C programming concepts
	<ul style="list-style-type: none"> • Explain basic elements of C programming language.
	<ul style="list-style-type: none"> • Express variables and values.
	<ul style="list-style-type: none"> • Distinguish arithmetic and logical operators.
	<ul style="list-style-type: none"> • Code C programs by using special structures.
	<ul style="list-style-type: none"> • Distinguish and compose loops.
	<ul style="list-style-type: none"> • Recognize and arrange arrays.