

Lewa Educational Union's  
**Dr. Annasaheb G. D. Bendale Mahila Mahavidyalaya, Jalgaon**  
**Certificate Course Outcomes 2023-24**

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

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

	<ul style="list-style-type: none"> <li>The course will develop comprehensive skills and expressive ability of the learners in English.</li> </ul>
	<ul style="list-style-type: none"> <li>The course will be beneficial to get conceptual clarity &amp; to use English language grammatically and appropriately.</li> </ul>
	<ul style="list-style-type: none"> <li>The course will heighten the passing percentage of the aspirants.</li> </ul>
Certificate course in competitive Exam	<ul style="list-style-type: none"> <li>The course will assess &amp; evolve the linguistic skills and proficiency of competitive exam aspirants.</li> <li>The course will develop comprehensive skills and expressive ability of the learners in English.</li> <li>The course will be beneficial to get conceptual clarity &amp; to use the English language grammatically and appropriately.</li> <li>The course will heighten the passing percentage of the aspirants.</li> </ul>

### **Department of Physics**

Name of the Certificate Course	Outcomes
1. Certificate Course in Electrical Domestic Appliances	<ul style="list-style-type: none"> <li>To make students able to understand the significance of electrical home appliances.</li> </ul>
	<ul style="list-style-type: none"> <li>To make students able to understand basic functions of electrical home appliances.</li> </ul>
	<ul style="list-style-type: none"> <li>To make students able to use basic working of electrical home appliances.</li> </ul>
	<ul style="list-style-type: none"> <li>To make students able to understand maintenance of electrical home appliances.</li> </ul>

### **Department of Economics**

Name of the Certificate Course	Outcomes
1. Certificate Course in Banking & Finance Examinations Preparations	<ul style="list-style-type: none"> <li>Job opportunities will be available to students who want to pursue a career in Banking.</li> </ul>
	<ul style="list-style-type: none"> <li>The share of women in the economic management of the country will increase.</li> </ul>
	<ul style="list-style-type: none"> <li>The participation of women in the economic sector will increase.</li> </ul>

### **Department of Geography**

Name of the Certificate Course	Outcomes
1. Certificate course in Travels & Tourism	<ul style="list-style-type: none"> <li>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.</li> </ul>
	<ul style="list-style-type: none"> <li>To develop the knowledge skill and attitude to creatively and systematically apply in the travel and tourism.</li> </ul>
	<ul style="list-style-type: none"> <li>To prepare students for managerial roles in the tourism service industry for leadership roles and of a travel firm or becoming a tourism entrepreneur.</li> </ul>
	<ul style="list-style-type: none"> <li>To make students capable of the applicable National Occupational standards (NOS) in the travel and tourism industry in the national and global context.</li> </ul>

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

	<ul style="list-style-type: none"> <li>To provide hands on knowledge about Banking Institutions</li> </ul>
	<ul style="list-style-type: none"> <li>To aware about Insurance Industry to studnets</li> </ul>
<b>Department of Music</b>	
Name of the Certificate Course	Outcomes
1. Certificate course of Light vocal	<ul style="list-style-type: none"> <li>It will create employment opportunity, i.e., they can perform at events and get a good income.</li> </ul>
	<ul style="list-style-type: none"> <li>They will have a better understanding of Sur &amp; Taal.</li> </ul>
	<ul style="list-style-type: none"> <li>Students will learn different forms of light music.</li> </ul>
	<ul style="list-style-type: none"> <li>It will help them improve their mental health.</li> </ul>
<b>Department of Computer science</b>	
Name of the Certificate Course	Outcomes
1. certificate Course in Web Designing	<ul style="list-style-type: none"> <li>To develop web skill for developing websites.</li> </ul>
	<ul style="list-style-type: none"> <li>To define and support technology standards.</li> </ul>
	<ul style="list-style-type: none"> <li>To acquire skills for certation of dynamic web applications.</li> </ul>
2. Diploma in Web Designing	<ul style="list-style-type: none"> <li>To develop abilities for writing code java script and VB Script.</li> </ul>
	<ul style="list-style-type: none"> <li>To acquire skills for creation of applications using java programming.</li> </ul>
3. Advance Diploma in Web Designing	<ul style="list-style-type: none"> <li>To developing skills for writing java program using advanced topics.</li> </ul>
	<ul style="list-style-type: none"> <li>To acquire skills for certation of dynamic web applications using PHP.</li> </ul>
4. Certificate Course in Big Data Analytics	<ul style="list-style-type: none"> <li>To understand the Concept of Big Data Analytics</li> </ul>
	<ul style="list-style-type: none"> <li>To learn basic concepts of R-Programming</li> </ul>
	<ul style="list-style-type: none"> <li>Apply the R-Programming for Big Data Analytics</li> </ul>
5. Certificate Courses in Animation	<ul style="list-style-type: none"> <li>To familiarize the students with various software approaches and techniques of Animation Technology.</li> </ul>
	<ul style="list-style-type: none"> <li>To develop competencies and skills.</li> </ul>
	<ul style="list-style-type: none"> <li>Exploring different approaches in computer animation</li> </ul>
6. Diploma Courses in Animation	<ul style="list-style-type: none"> <li>To familiarize the students with various software approaches and techniques of Computer Graphics and Advance Animation Technology.</li> </ul>
	<ul style="list-style-type: none"> <li>To develop competencies and skills.</li> </ul>
	<ul style="list-style-type: none"> <li>Exploring different approaches in computer graphics and animation.</li> </ul>
<b>Department of Marathi</b>	
Name of the Certificate Course	Outcomes
Marathi Grammer Certificate Course	<ul style="list-style-type: none"> <li>To practice competitive exam approach among students.</li> </ul>
	<ul style="list-style-type: none"> <li>This is a course on how to write cleanly and speak cleanly.</li> </ul>
	<ul style="list-style-type: none"> <li>Language Skills Development Tools through Marathi Grammar.</li> </ul>
	<ul style="list-style-type: none"> <li>Preparing for competitive exam through Marathi Grammar.</li> </ul>
<b>Department of Physical Health</b>	
Name of the Certificate Course	Outcomes

Certificate course in Yoga	<ul style="list-style-type: none"> <li>• Students will gain adequate knowledge and skills in yoga.</li> </ul>
	<ul style="list-style-type: none"> <li>• Students will understand the concept of the human body, Asanas and Pranayama according to Yoga</li> </ul>
	<ul style="list-style-type: none"> <li>• Students will study the Physiological and Psychological benefits of yogic practices.</li> </ul>
	<ul style="list-style-type: none"> <li>• Students will know the role of yogic practices in curing different diseases</li> </ul>
	<ul style="list-style-type: none"> <li>• Students will study the importance of yoga in physical education and sports</li> </ul>
	<ul style="list-style-type: none"> <li>• Students will study the role of yoga in different stages of women's health.</li> </ul>

### Department of B.Voc.

Name of the Certificate Course	Outcomes
Diploma in Fashion Designing	<ul style="list-style-type: none"> <li>• To Provide skills for aspirants in the fashion industry.</li> </ul>
	<ul style="list-style-type: none"> <li>• To provide opportunities for staff in the fashion industry.</li> </ul>
	<ul style="list-style-type: none"> <li>• To encourage knowledge and understanding of the Fashion Industry.</li> </ul>
Diploma in Beauty Therapy	<ul style="list-style-type: none"> <li>• To provide skills for aspirants in the beauty industry.</li> </ul>
	<ul style="list-style-type: none"> <li>• To provide opportunities for staff in beauty industry.</li> </ul>
	<ul style="list-style-type: none"> <li>• To encourage knowledge and understanding of the beauty industry.</li> </ul>
Advance Diploma Course in Beauty therapy and Hair Dressing	<ul style="list-style-type: none"> <li>• To provide skills at level 1 in the Qualification and credit framework for those interested in the beauty industry.</li> </ul>
	<ul style="list-style-type: none"> <li>• To provide opportunities for staff in the beauty industry.</li> </ul>
	<ul style="list-style-type: none"> <li>• To encourage knowledge and understanding of the beauty industry at level 1.</li> </ul>
Certificate course in Beauty Therapy	<ul style="list-style-type: none"> <li>• To provide knowledge of basic beauty in threading, manicure, pedicure, facial, bleaching and decorate hands and feet.</li> </ul>
	<ul style="list-style-type: none"> <li>• To provide knowledge of hair – dressing – services.</li> </ul>
	<ul style="list-style-type: none"> <li>• To provide knowledge of Saree-tripping different Saree styles.</li> </ul>

### Department of Skills

Name of the Certificate Course	Outcomes
Diploma In Certified Industrial Accountant (DCIA)	<ul style="list-style-type: none"> <li>• Basic Accounting/ Journal Entries/ Types of Business Organizations</li> </ul>
	<ul style="list-style-type: none"> <li>• Creating Accounting Master in Tally.ERP 9/ Creating Inventory Master in Tally. ERP9</li> </ul>
	<ul style="list-style-type: none"> <li>• Basic Inventory Transaction &amp; Invoicing/ Data Entry using invoice Format</li> </ul>
	<ul style="list-style-type: none"> <li>• Grouping of Accounting/ User Defined Voucher Types (Petty Cash Voucher)</li> </ul>
	<ul style="list-style-type: none"> <li>• Interest on Loan Given-Compound Interest/ Interest on Receivable (Simple and Compound Interest)</li> </ul>
	<ul style="list-style-type: none"> <li>• Interest on Loan Given-Simple Interest/ Interest on Payable (Advanced Parameters)</li> </ul>
	<ul style="list-style-type: none"> <li>• Understanding Direct/ Indirect Income/ Expenses/ Additional Cost of Purchase</li> </ul>
	<ul style="list-style-type: none"> <li>• Integrate Account and Inventory/ Point of Sales (POS)/ Job Costing</li> </ul>

	<ul style="list-style-type: none"> <li>• Payroll/ GST (Goods and Service Tax)/ Current Indirect Tax System</li> </ul>
	<ul style="list-style-type: none"> <li>• Company Level/ Stock Group Level/ Stock Item Level/ B2B Interstate/ Credit Note</li> </ul>
	<ul style="list-style-type: none"> <li>• Exempted Goods/ Export Exempt/ Supply of Service/ URD/ Import Goods and Services</li> </ul>
	<ul style="list-style-type: none"> <li>• Tax Liability and Payment of Tac Against Reverse Charges/ GST Return</li> </ul>
Advance Diploma in Programming & Application	<ul style="list-style-type: none"> <li>• Basic Fundamentals of programming, Theory part of Software Engineering</li> </ul>
	<ul style="list-style-type: none"> <li>• Idia of Algorithm and Flowcharts, DFDs</li> </ul>
	<ul style="list-style-type: none"> <li>• Programming techniques and Practical of C and C++</li> </ul>
	<ul style="list-style-type: none"> <li>• HTML / JAVA / Ms- Access / Python</li> </ul>
Certificate Course in C Language	<ul style="list-style-type: none"> <li>• List the C programming concepts</li> </ul>
	<ul style="list-style-type: none"> <li>• Explain basic elements of C programming language.</li> </ul>
	<ul style="list-style-type: none"> <li>• Express variables and values.</li> </ul>
	<ul style="list-style-type: none"> <li>• Distinguish arithmetic and logical operators.</li> </ul>
	<ul style="list-style-type: none"> <li>• Code C programs by using special structures.</li> </ul>
	<ul style="list-style-type: none"> <li>• Distinguish and compose loops.</li> </ul>
	<ul style="list-style-type: none"> <li>• Recognize and arrange arrays.</li> </ul>