

## DEPARTMENT OF ZOOLOGY

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| Programme Outcome               | <ol style="list-style-type: none"> <li>1) Apply the knowledge of various branches of Zoology and General Biology meant both for graduate terminal course and for higher studies.</li> <li>2) Develop +ve attitude towards sustainable development.</li> <li>3) Understand the unity of life with the wide diversity of organisms and their ecological and evolutionary significance.</li> <li>4) Acquire basic Skills in the observation and study of nature, biological technique, Experimental skills and scientific investigations.</li> </ol>  |
| Programme Specific Outcome      | <ol style="list-style-type: none"> <li>1) Identify the list of common animals.</li> <li>1) Explain various physiological changes in biodiversities.</li> <li>2) Analyze the impact of environment on our bodies.</li> <li>3) Understand various genetic observation.</li> <li>4) Develop respect for nature.</li> <li>5) Explain the role and impact of different environmental conservation programme.</li> <li>6) Identify animals beneficial to human.</li> <li>7) Explain the importance of genetic engineering.</li> <li>8) Use tools of information technology for all activities related to zoology.</li> </ol> |
| <b>COURSE OUTCOME</b>           |  |
| <b>COURSE</b>                   | <b>OUTCOME</b>   |
| B.Sc I Sem Animal Diversity I   | <ol style="list-style-type: none"> <li>1) Familiar with the non-chordate world that surround us.</li> <li>2) Able to appreciate the process of Evolution.</li> <li>3) Able to identify the invertebrates classify them upto the classes level with the basics of systematic.</li> <li>4) Understand the basics of life process in the non-chordate and recognize the economically important invertebrate found.</li> </ol>   |
| B.Sc II Sem Animal Diversity II | <ol style="list-style-type: none"> <li>1) Describe the Diversity in form, structure and habits of vertebrates.</li> <li>2) Explain the characteristics and classification of different classes of vertebrates.</li> </ol>  |

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| <p>B.Sc III Sem Applied<br/>Zoology</p>                               | <ol style="list-style-type: none"> <li>1) Identify various methodology and perspectives of applied branches of zoology for the possibilities of self employment.</li> <li>2) Learn the basic principles involved in the culture and breeding of common edible and ornamentals fishes of Karnataka and the art of aquarium keeping.</li> <li>3) Get a basic understanding of human genomics and reproductive biology.</li> <li>4) Aware about stem cell research and prenatal diagnostic techniques.</li> </ol> |
| <p>B.Sc IV Sem<br/>Physiology<br/>Biochemistry and<br/>Immunology</p> | <ol style="list-style-type: none"> <li>1) Understand the functions of various systems.</li> <li>2) Apply the knowledge to lead healthy life.</li> <li>3) Understand the importance of Biomolecules.</li> <li>4) Familiar with various biochemical pathogens.</li> <li>5) Understand the importance of Immune system.</li> <li>6) Appreciate the contribution of good immunologist.</li> </ol>  |
| <p>B.Sc V Sem Genetics</p>  | <ol style="list-style-type: none"> <li>1) Appreciate the contribution of great scientist.</li> <li>2) Distinguish classical genetics and molecular genetics.</li> <li>3) Understand the applications of Biotechnology.</li> <li>4) Familiar with the tools and techniques of Geometric and Biotechnology.</li> </ol>   |
| <p>B.Sc V Sem Genetics</p>  | <ol style="list-style-type: none"> <li>1) Develop a holistic appreciation on the phylogeny and adaptation in animals.</li> <li>2) Enable the students understand the evolution of universe and life.</li> <li>3) Understanding on the process and theories in evolutionary biology.</li> <li>4) Develop an interest in the debates and discussions taking place in the field of evolutionary biology.</li> </ol>   |
| <p>B.Sc VI Sem Cell<br/>Biology and<br/>Development<br/>Biology</p>   | <ol style="list-style-type: none"> <li>1) Develop deeper understanding of what life is and how its functions at cellular levels.</li> <li>2) Describe cellular membrane structure and functions, fine structure and function of cell organelles.</li> <li>3) Perform a variety of molecular and cellular biology techniques.</li> </ol>  |

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|  | <ol style="list-style-type: none"> <li>4) Families with various stages involved in the developing embryos.</li> <li>5) Apply the knowledge to collect various biological data.</li> <li>6) Ability to explain various prenatal diagnosis.</li> </ol>   |
| <p style="text-align: center;">Ecology, Zoo<br/>geography and<br/>wildlife biology</p> | <ol style="list-style-type: none"> <li>1) Understanding on the basic theories and principles of ecology.</li> <li>2) Learn current environmental issues based on ecological principles.</li> <li>3) Gain critical understanding on human influence on environment.</li> <li>4) Explore to the basics and advances in ethology.</li> <li>5) Generate an interest in Ethology in order to understand the complexities of both animal and human behavior.</li> <li>6) Positive attitude towards Biodiversity conservation.</li> </ol> |