

## **DEVA MATHA COLLEGE KURAVILANGAD**

### **MSc. ZOOLOGY: PROGRAM SPECIFIC OUTCOMES**

- Students gain knowledge and skill in the fundamentals of animal sciences, understands the complex interactions among various living organisms. Understand the ecological interconnectedness of life on earth by tracing energy and nutrient flows through the environment. They are able to relate the physical features of the environment to the structure of populations, communities, and ecosystems.
- Understand the unity of life with the rich diversity of organisms and their ecological and evolutionary significance. Comparative biology explains how the theory of evolution offers the only scientific explanation for the unity and diversity of life on earth. They are able to use specific examples to explicate how descent with modification has shaped animal morphology, physiology, life history, and behaviour.
- Acquire basic skills in the observation and study of nature, biological techniques, experimental skills and scientific investigation.
- Developing deeper understanding of key concepts of biology at biochemical, molecular and cellular level, physiology and reproduction at organism level, and ecological impact on animal behaviour. Apply the knowledge of internal structure of cell, its functions in control of various metabolic functions of organisms.
- Understanding of environmental conservation processes and its importance, pollution control and biodiversity and protection of endangered species.
- Understands about various concepts of genetics and its importance in human health.
- Development of an understanding of zoological science for its application in medical entomology, apiculture, aquaculture, agriculture and modern medicine.