

REAL TIME AI POWERED IMPLEMENTATION PROJECTS

JDNET TECHNOLOGIES CUDDALORE



9159395080



6369929654

FINAL YEAR PROJECTS

ZOOLOGY

- ❖ ANIMAL PHYSIOLOGY AND BIOCHEMISTRY,
- ❖ ECOLOGY AND ENVIRONMENTAL BIOLOGY,
- ❖ GENETICS AND MOLECULAR BIOLOGY,
- ❖ ENTOMOLOGY,
- ❖ PARASITOLOGY AND MICROBIOLOGY,
- ❖ WILDLIFE BIOLOGY AND CONSERVATION.

100 %
PLACEMENT
ASSISTANCE

NO:31, SUBBURAYA CHETTY STREET, THIRUPAPULIYUR, CUDDALORE-2
(OPP DARLING ELECTRONICS)

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ANIMAL PHYSIOLOGY AND BIOCHEMISTRY

1. Effect of Temperature on Enzyme Activity in Fish Muscle
2. Comparative Study of Blood Glucose Levels in Mammals
3. Role of Hormones in Molting in Arthropods
4. Oxygen Consumption Rate in Aquatic Invertebrates
5. Effect of Caffeine on Heart Rate in Daphnia
6. Hemoglobin Variation in Freshwater vs. Marine Fish
7. Digestive Enzyme Activity in Herbivorous and Carnivorous Fish
8. Influence of Salinity on Osmoregulation in Fishes
9. Analysis of Protein Content in Different Animal Tissues
10. Blood Group Analysis in Local Mammalian Species
11. Metabolic Response to Stress in Amphibians
12. Thermal Adaptation Mechanisms in Ectothermic Animals
13. Study of Muscle Fatigue in Amphibians
14. Comparative Hematology of Vertebrates
15. Respiratory Pigments in Marine Invertebrates
16. Study of Digestive Enzymes in Earthworms
17. Effect of Light on Circadian Rhythm in Birds
18. Biochemical Study of Lipids in Animal Liver
19. Study of Lactate Production During Anaerobic Respiration

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20. Role of Enzymes in Insect Metamorphosis
21. Blood Coagulation Mechanisms in Vertebrates
22. Comparative Study of Urea Excretion in Amphibians and Reptiles
23. Influence of Diet on Serum Cholesterol in Rats
24. Enzyme Kinetics of Catalase in Different Tissues
25. Physiological Adaptations in Desert Animals
26. Effect of pH on Digestive Enzyme Activity
27. Study of Mitochondrial Density in Active vs. Inactive Animals
28. Hormonal Control of Metamorphosis in Frogs
29. Comparative Analysis of Heart Rate in Different Vertebrates
30. Study of Calcium Regulation in Crustaceans
31. Biochemical Response of Fish to Polluted Water
32. Role of Antioxidants in Animal Physiology
33. Glycogen Content in Different Organs of Fish
34. Hemolymph Composition in Arthropods
35. Study of Osmotic Regulation in Marine Mollusks
36. Effect of Light Intensity on Pigment Concentration in Fish
37. Biochemical Changes During Reproduction in Insects
38. Study of Thermoregulation in Birds
39. Fat Metabolism in Migratory Birds

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ECOLOGY AND ENVIRONMENTAL BIOLOGY

1. Impact of Urbanization on Local Bird Diversity
2. Study of Seasonal Variation in Phytoplankton Population
3. Assessment of Water Quality Using Aquatic Insects
4. Role of Earthworms in Soil Fertility
5. Diversity of Butterfly Species in Urban and Rural Areas
6. Population Dynamics of Ant Colonies in Grasslands
7. Study of Microhabitats in a Forest Ecosystem
8. Ecological Impact of Plastic Pollution on Marine Fauna
9. Distribution of Amphibians in Wetland Ecosystems
10. Study of Bioindicator Species in Polluted Rivers
11. Effects of Noise Pollution on Bird Nesting Behavior
12. Role of Mangroves in Coastal Ecosystems
13. Comparative Study of Flora and Fauna in Two Ecosystems
14. Study of Water Pollution Effects on Fish Diversity
15. Nesting Behavior of Local Bird Species
16. Impact of Temperature on Zooplankton Density
17. Study of Human-Wildlife Conflict in Rural Areas
18. Role of Pollinators in Maintaining Biodiversity
19. Study of Leaf Litter Decomposition by Detritivores

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20. Effect of Light Pollution on Nocturnal Insects
21. Comparative Study of Soil Fauna in Organic and Inorganic Fields
22. Assessment of Microplastic Pollution in Coastal Waters
23. Impact of Agricultural Runoff on Freshwater Ecosystems
24. Seasonal Variation in Avian Diversity
25. Study of Symbiotic Relationships in Coral Reefs
26. Role of Decomposers in Nutrient Cycling
27. Population Survey of Amphibians in Paddy Fields
28. Study of Carbon Sequestration by Urban Trees
29. Diversity of Ant Species in Different Habitats
30. Behavioral Adaptations of Urban Animals
31. Study of Food Chain Relationships in Freshwater Ecosystems
32. Ecological Study of Forest Edge Species
33. Impact of Tourism on Coral Reef Ecosystems
34. Microhabitat Preference of Lizards in Arid Zones
35. Study of Predation Patterns in Insects
36. Role of Wetlands in Flood Control
37. Ecotoxicological Effects of Heavy Metals on Aquatic Life
38. Comparison of Bird Populations in Protected vs. Non-Protected Areas
39. Effects of Habitat Fragmentation on Mammal Movement

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GENETICS AND MOLECULAR BIOLOGY

1. Study of Blood Group Genetics in Human Populations
2. DNA Extraction and Quantification from Animal Tissues
3. Genetic Variation in Fish Populations Using RAPD Markers
4. Study of Sex Determination Mechanisms in Reptiles
5. Analysis of Chromosomal Abnormalities in Insects
6. Mendelian Inheritance in Drosophila Crosses
7. Study of Gene Expression in Embryonic Development
8. Comparative Study of Mitochondrial DNA in Vertebrates
9. Identification of Genetic Mutations in Fruit Flies
10. Genetic Diversity in Local Livestock Breeds
11. DNA Barcoding of Local Fish Species
12. Study of Genetic Resistance to Pesticides in Insects
13. Chromosomal Study of Amphibian Species
14. Inheritance of Eye Color in Drosophila
15. Study of DNA Damage due to UV Radiation
16. Polymerase Chain Reaction (PCR) Analysis in Model Organisms
17. Cytogenetic Study of Fish Gill Cells
18. Molecular Identification of Endangered Species
19. Comparative Study of Nucleotide Sequences in Different Animals

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20. Study of Genetic Linkage in Drosophila Traits
21. Study of Epigenetic Effects of Environmental Stress
22. Genomic Analysis of Adaptive Traits in Animals
23. Mutation Rate Estimation in Bacteria
24. Role of DNA Repair Mechanisms in Aging
25. Study of Genetic Markers in Wild Animal Populations
26. Gene Expression in Heat Shock Proteins
27. Genetic Variation in Isolated Animal Populations
28. Study of Chromosome Number and Structure in Fish
29. Use of Molecular Techniques in Wildlife Forensics
30. Study of RNA Interference in Gene Regulation
31. Analysis of Microsatellite DNA in Animal Populations
32. Identification of Disease Genes in Model Organisms
33. Study of Hybridization in Wild and Domestic Species
34. Inheritance Pattern of Behavioral Traits in Animals
35. Genetic Effects of Inbreeding in Small Populations
36. Molecular Clock Estimation in Vertebrates
37. Study of Gene Editing Using CRISPR in Model Systems
38. Genetic Variation in Adaptation to Polluted Environments
39. Study of Genetic Drift in Small Mammal Populations

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ENTOMOLOGY

1. Study of Ant Species Diversity in Different Soil Types
2. Feeding Behavior of Mosquito Larvae Under Different Light Conditions
3. Effect of Temperature on Metamorphosis Rate in Butterflies
4. Survey of Pollinator Diversity in Flowering Plants
5. Study of Termite Damage in Wooden Structures
6. Role of Honeybees in Crop Pollination Efficiency
7. Comparative Study of Wing Patterns in Lepidopterans
8. Effect of Insecticides on Non-Target Insects
9. Study of Nocturnal Moth Diversity in Urban Areas
10. Effect of Sugar Concentration on Honeybee Foraging
11. Population Dynamics of Houseflies in Market Areas
12. Behavioral Study of Ant Trail Communication
13. Study of Silk Production in Silkworms
14. Role of Insects in Organic Waste Decomposition
15. Seasonal Variation in Butterfly Species Diversity
16. Study of Cockroach Habitat Preferences in Urban Settings
17. Effect of Light Pollution on Nocturnal Insect Activity
18. Breeding Sites of Mosquitoes in Urban Drainage Systems
19. Study of Insect-Plant Interactions in Flowering Shrubs

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20. Effect of Temperature on Cricket Chirping Rate
21. Role of Predatory Insects in Pest Control
22. Morphological Study of Dragonfly Nymphs
23. Comparative Study of Pheromone Communication in Ant Species
24. Study of Diurnal and Nocturnal Insect Activity Patterns
25. Effect of Different Baits on Ant Foraging Behavior
26. Diversity of Aquatic Insects in Freshwater Ecosystems
27. Study of Reproductive Behavior in Fruit Flies
28. Impact of Pesticides on Honeybee Mortality
29. Comparative Morphology of Insect Mouthparts
30. Population Density of Aphids on Different Host Plants
31. Study of Wing Venation Patterns in Butterflies
32. Role of Insects in Pollination of Medicinal Plants
33. Study of Parasitic Wasps as Biological Control Agents
34. Seasonal Abundance of Mosquito Larvae in Standing Water
35. Study of Behavioral Response of Insects to Colored Light
36. Effect of Urbanization on Butterfly Populations
37. Study of Beetle Diversity in Decomposing Logs
38. Role of Dung Beetles in Nutrient Recycling
39. Comparative Study of Egg Laying in Different Mosquito Species

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PARASITOLOGY AND MICROBIOLOGY

1. Study of Intestinal Parasites in Domestic Dogs and Cats
2. Prevalence of Malarial Parasites in Human Blood Samples
3. Study of Protozoan Parasites in Fish Intestines
4. Anthelmintic Effect of Herbal Extracts on Roundworms
5. Prevalence of Ectoparasites in Poultry
6. Study of Parasitic Load in Cattle Population
7. Identification of Tick Species on Domestic Animals
8. Study of Mosquito-Borne Parasites in Local Areas
9. Antibacterial Activity of Plant Extracts Against Pathogenic Bacteria
10. Study of Fungal Infections in Amphibians
11. Microbial Analysis of Contaminated Water Sources
12. Comparative Study of Oral Microflora in Herbivorous and Carnivorous Animals
13. Detection of Intestinal Protozoa in Human Samples
14. Study of Antimicrobial Resistance in Bacterial Isolates
15. Study of Helminth Parasites in Freshwater Fish
16. Prevalence of Ectoparasites in Goats and Sheep
17. Microbiological Study of Foodborne Pathogens in Meat Samples
18. Study of Parasitic Infestation in Birds
19. Effect of Temperature on Bacterial Growth in Water Samples

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20. Study of Blood Parasites in Local Cattle
21. Isolation of Bacteria from Soil and Their Biochemical Characterization
22. Antifungal Activity of Plant Extracts Against Yeast
23. Parasitic Relationship Between Lice and Mammals
24. Study of Mosquito Vectors and Their Breeding Habitats
25. Antimicrobial Screening of Natural Products from Algae
26. Study of Intestinal Microbiota in Insects
27. Study of Parasitic Adaptations in Tapeworms
28. Isolation of Nitrogen-Fixing Bacteria from Rhizosphere
29. Study of Leech Parasitism in Freshwater Ecosystems
30. Microbiological Analysis of Drinking Water Quality
31. Study of Protozoan Diversity in Pond Ecosystems
32. Parasitic Infestation in Pet Birds
33. Identification of Fungal Spores in Air Samples
34. Study of Pathogenic Bacteria in Hospital Wastewater
35. Study of Blood-Sucking Arthropods and Their Hosts
36. Comparative Study of Microbial Flora in Different Soils
37. Prevalence of Gastrointestinal Parasites in Humans
38. Study of Biodegradation of Waste by Microorganisms
39. Effect of Disinfectants on Bacterial Growth

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WILDLIFE BIOLOGY AND CONSERVATION

1. Population Survey of Mammals in Protected Forests
2. Study of Habitat Preferences of Deer in Wildlife Sanctuaries
3. Camera Trap Study of Nocturnal Animals
4. Study of Human-Wildlife Conflict in Agricultural Landscapes
5. Population Status of Endangered Bird Species
6. Analysis of Road Mortality in Amphibians and Reptiles
7. Role of Ecotourism in Wildlife Conservation
8. Nesting Ecology of Sea Turtles
9. Behavioral Study of Captive Big Cats
10. Study of Habitat Fragmentation Effects on Mammal Movement
11. Study of Avian Diversity in Wetlands
12. Role of National Parks in Biodiversity Conservation
13. Comparative Study of Diet in Carnivorous Mammals
14. Study of Migratory Bird Patterns in Wetlands
15. Conservation Awareness Among Local Communities
16. Study of Feeding Behavior in Herbivorous Mammals
17. Population Census of Local Primate Species
18. Study of Threats to Coral Reef Biodiversity
19. Habitat Mapping Using GIS in Wildlife Reserves

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20. Effects of Poaching on Elephant Populations
21. Study of Reptile Diversity in Dry Forest Ecosystems
22. Population Dynamics of Small Mammals in Grasslands
23. Role of Wildlife Corridors in Animal Movement
24. Nesting Success Rate in Ground-Nesting Birds
25. Impact of Forest Fires on Animal Biodiversity
26. Study of Bird Migration Using Banding Techniques
27. Human Attitudes Toward Wildlife Conservation
28. Habitat Use of Amphibians in Agricultural Fields
29. Study of Mammalian Footprints and Track Patterns
30. Study of Genetic Diversity in Endangered Species
31. Study of Seed Dispersal by Frugivorous Birds
32. Role of Zoos in Conservation Education
33. Impact of Habitat Destruction on Butterfly Populations
34. Study of Nocturnal Mammal Activity Using Camera Traps
35. Effect of Climate Change on Wildlife Distribution
36. Behavioral Study of Urban Monkeys
37. Study of Fish Diversity in Freshwater Sanctuaries
38. Conservation Strategies for Endangered Amphibians
39. Study of Ecological Role of Scavengers in Forests

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Connect With Us

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