



**KALINGA
UNIVERSITY**



Ranked in
Top 101-150
Universities



— INTERNSHIP PROGRAM IN —

ZOOLOGY

TOOLS & TECHNIQUES

Faculty of Science Department of Zoology

Date: 23rd May to 6th July 2023

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Mission

Kalinga University aims to be an outstanding institution for Talent Development and Knowledge Creation for a vibrant and inclusive society.

Our University

Kalinga University, Raipur is a NAAC accredited University with Grade B+ and the Only Private University in Chhattisgarh ranked in Top 101-150 Universities in NIRF Ranking 2022 and has emerged as a centre of excellence of higher education in Central India. Strategically located in the Smart City of New Raipur, this University has started carving a niche for itself in the education domain and is rising as a shining star on the horizon of quality education.

Infrastructure – Kalinga offers World Class Infrastructure and student facilities with student centric approach. Highest attention is paid to hands on learning approach and students are encouraged to come up with innovative ideas for projects and practical's. The University has more than 90 laboratories and workshops, all well equipped with the latest, state of the art apparatus and tools. Special emphasis is given to the development of communication skills through the language lab. More than 1000 computers are available for the use of the students.



Establishment – Established in 2013, this University has been able to win the confidence of over 8000 students. Meritorious students from all over the country and various foreign countries like Afghanistan, Angola, Bangladesh, Cameroon, Gambia, Ivory Coast, Kenya, Lesotho, Liberia, Malawi, Namibia, Nepal, Nigeria, Papua New Guinea, South Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe, etc have chosen this University for their education and career.

Schools of Excellence – Currently the University is serving the student community by offering various UG and PG programs namely Engineering, Law, Pharmacy, Arts & Humanities, Science, Commerce & Management, Biotechnology, Information Technology, Library Science, Fashion Design & Interior Design, User Experience, Yoga, Film Making and Journalism & Mass Communication.



About Internship Program

- The main objective of this program is to encourage the bright and well-motivated students of self and different institutions to pursue innovative research and development of project work.
- This enables the trainees to gain first-hand knowledge, especially working skills with Zoological techniques frequently used.

Advantages

- It helps the students develop skills and employability competencies.
- It provides an opportunity for students to apply theoretical knowledge acquired in the classroom with practical application of knowledge required to perform a task.
- It gives them a feel of how their work environment will be when they get employed. Industrial training also gives exposure to students on the tools used in the Industry.
- Developments of in-hand training in zoological tools and technical skills to enable students to better understand and perform during interviews. As practical skilled knowledge is the most important aspect of technology-driven science.
- Internships provide students numerous perks: They gain experience, develop skills, make connections, strengthen their resumes, learn about a field, assess their interests & abilities and land up in desired jobs.

Who Should Attend

Beneficial For- Students of UG/PG Programs & Research Scholars of Zoology, Environmental Science, Forest and Conservation Biology, Ornithology, Freelancers, etc.



Resource Persons



Dr. Sushma Dubey
Officiating Dean,
Life Sciences,
Kalinga University

- Dr. Manoj Singh
Assistant Professor,
Faculty of Science,
Kalinga University

- Dr. Ajay Harit
Assistant Professor,
Faculty of Science,
Kalinga University

- Dr. Sohini Bhattacharyya
Assistant Professor,
Faculty of Science,
Kalinga University

Program Details

Duration : 45 Days

Date: 23rd May to 6th July 2023

Monday to Saturday

Time: 10:00 am to 4:00 pm

VENUE: Kalinga University

PROGRAM FEE

RS 10,000/-



NOTE -

1. Accommodation facility is available on a chargeable basis : Rs 6,500/- for 45 days inclusive of Food (Air Cooled Room- 4 Students/Room, 3 Meals per day & other amenities).
2. Transport Facility available from common pickup point (Free).

Steps For Registration

STEP 1: Participants have to make payment on the given bank details

Account Name: Kalinga University

Bank Name: ICICI bank

A/c No.: 390701000010

IFSC Code No.: ICIC0003907

SWIFT CODE: ICICINBBCTS

STEP 2: Take screenshot of the payment & send it to

manoj.singh@kalingauniversity.ac.in

STEP 3: Fill out the registration form with all the necessary information.

SCAN TO PAY



REGISTER HERE



CONTACT DETAILS

+91-9109199713 | manoj.singh@kalingauniversity.ac.in



Program Schedule

Module I – Analysis & Biodiversity techniques

S.No.	Topics	Duration
1.	Physiochemical analysis of water	10 Days
2.	Physiochemical analysis of soil	
3.	Physiochemical analysis of biota	
4.	Physiochemical analysis of microbes	
5.	Preparation of insect box	
6.	Measuring diversity indices	
7.	Indices field demonstration of diversity	
8.	Field visit for sample & insect collection	
9.	Storage techniques of macrofauna	
10.	Field report preparation (assignment)	

Module II – Microscopy & Identification techniques

S.No.	Topics	Duration
1.	Introduction of microscopy	10 Days
2.	Light microscope & dissection microscope (principle)	
3.	Hand on training of proper use of light & dissection microscope	
4.	Demonstration of SEM	
5.	Demonstration of FTIR, UV & flame photometer	
6.	Tissue sample preparation	
7.	Slide preparation	
8.	Slide observation under microscope	

Module III – Socio Economic Zoology

S.No.	Topics	Duration
1.	Basics of beekeeping & bee products	10 Days
2.	Bee keeping techniques	
3.	Bee enemies, diseases, pesticide poisoning	
4.	Morphology, Anatomy, Bee behavior & management	
5.	Practical- Visit to a Apiculture site	

Module IV – Survey Techniques for Field Studies

S.No.	Topics	Duration
1.	Introduction	5 Days
2.	Experimental design	
3.	Survey techniques	
4.	Method of sample collection	
5.	Labeling Storage of samples on field	
6.	Demonstration of survey & sampling techniques	
7.	Storage techniques for further lab analysis	
8.	Technique of sample preparation for analysis	
9.	Field record preparation	

Module V– Bird Identification and Basic Ornithology

S.No.	Topics	Duration
1.	Introduction to Ornithology; Avian Diversity and Classification	10 Days
2.	Anatomy and Morphology; Physiology; Coloration	
3.	Life History; Foraging Behaviour; Mating and Breeding Behaviour	
4.	Social Behaviour; Research methodology	
5.	Vocal Behaviour: Mechanisms; Vocal Behaviour: Case Study	
6.	Migration; Basics of Research Design	
7.	Studying Bird Populations and Communities: Techniques	
8.	Avian Disease; Introduction to data visualization and analysis	
9.	Citizen Science in Ornithology.	



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