



— INTERNSHIP PROGRAM IN —

ELECTRICAL

ENGINEERING

Faculty of Technology
Department of Electrical Engineering

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 practicals. 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.



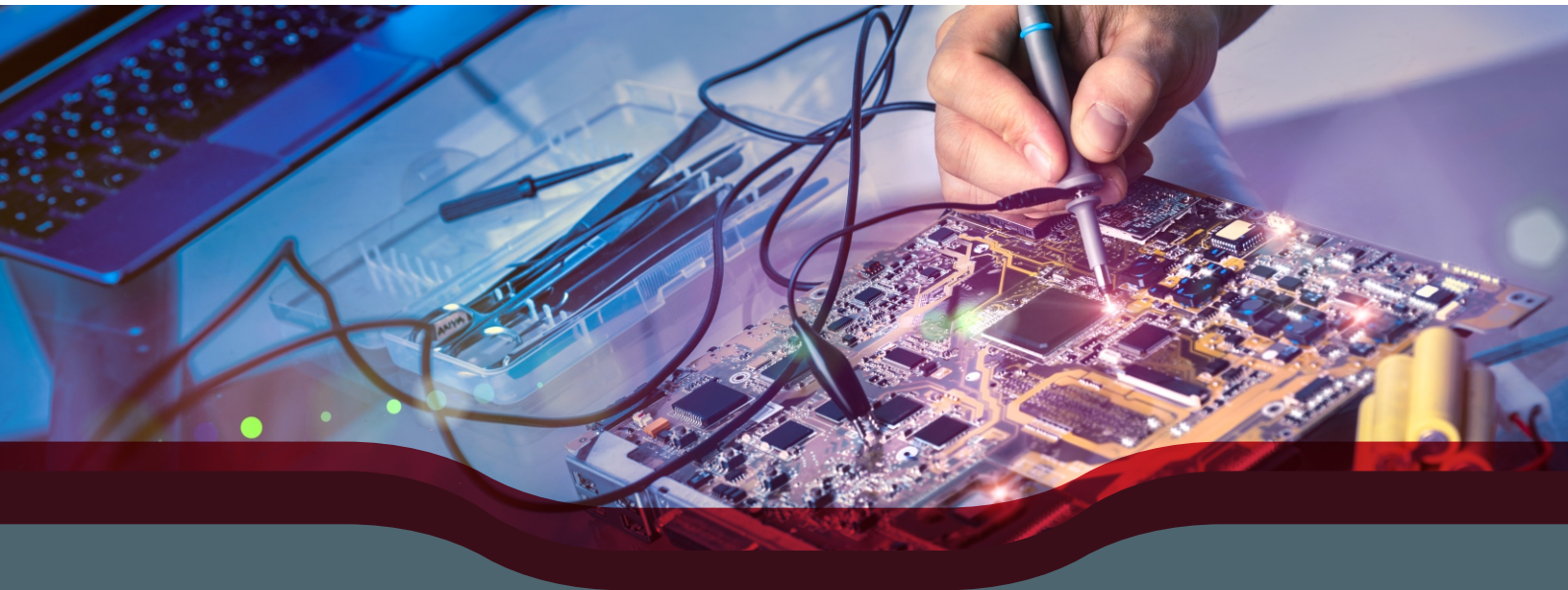
Establishment – Established in 2013, this University has been able to win the confidence of over 8000 students. Meritorious students from all over the country and various foreign countries like Afghanistan, Angola, Bangladesh, Cameroon, Gambia, Ivory Coast, Kenya, Lesotho, Liberia, Malawi, Namibia, Nepal, 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 through various UG and PG programs namely Engineering, Law, Pharmacy, Arts & Humanities, Science, Commerce & Management, Biotechnology, Information Technology, Library Science, Fashion Design & Interior Design.



About Internship Program

The objective of the internship program is to provide a platform for the students of Kalinga University and other institutions to enhance the practical skills and to develop career opportunities.



Advantages

- Hands-on opportunities to work with technology and equipments.
- Increases self-confidence and motivation.
- Provides an opportunity to gain valuable work experience prior to graduation.
- Improves the curriculum vitae.
- Competitive advantage in the job market.

Who Should Attend

Working Professionals, UG and PG Students & Research Scholars of the Department of Electrical Engineering



Resource Persons



Dr. C.P.Jawahar
Dean,
Faculty of Technology

Mr. Shailesh Deshmukh
Head of Department,
Electrical Engineering

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 a screenshot of the payment & send it to

shailesh.deshmukh@kalingauniversity.ac.in

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

SCAN TO PAY



REGISTER HERE



CONTACT DETAILS

+91 7024133424 | shailesh.deshmukh@kalingauniversity.ac.in

Program Schedule

Module-I Assessment of Electrical Devices

S.No.	Topics	Duration
1.	Testing of single phase & three phase induction motor	15 Days
2.	Testing of insulation resistance by megger	
3.	To assemble distribution board with 2 power point, MCB fuse, light and fan points	
4.	Testing & assembling of various types of starters	
5.	Measurement of the medium resistance by wheat stone bridge	
6.	Measurement of unknown capacitance by DeSauty bridge	
7.	Washing machine control using basic and not gates	
8.	Basics of not gate and its application in eight-bit ones complement circuit	
9.	Basics of or gate and its application in industrial control	
10.	To verify static characteristics of SCR	
11.	To verify time response of first-order system with standard inputs	
12.	To verify time response of second order system with standard inputs	
13.	To verify half adder and full adder	
14.	To verify half subtractor and full subtractor	
15.	To verify the encoder and decoder	

Module-II Introduction to Energy Audit

S.No.	Topics	Duration
1.	Purpose, Types, Methodology and Report Preparation	5 Days
2.	Energy conservation opportunities in thermal utilities	
3.	Energy conservation opportunities in electrical utilities	
4.	Energy conservation opportunities in electrical utilities	
5.	Practical sessions on energy audit, analysis and recommendations	

Module-III Advanced Softwares

S.No.	Topics	Duration
1.	Concepts of FEM & Introduction to ANSYS	15 Days
2.	Static structural analysis in ANSYS	
3.	Introduction to RCF, BRAW, RAFT, Road Estimate, QA & QC	
4.	Prediction of ITZ of RAC & Traffic data analysis using neural Network	
5.	Evaluation of compressive strength of Nano Silica based concrete using AI	
6.	Solid works - Basics and user interface	
7.	Introduction to sketching	
8.	Basic part modelling	
9.	Symmetry and draft	
10.	Assembly	
11.	MATLAB - Introduction	
12.	Basic operations	
13.	Basic circuits	
14.	Verification of various theorems	
15.	Research techniques	

Module-IV Central Instrumentation Facility

S.No.	Topics	Duration
1.	X-ray Diffractometer (XRD)	10 Days
2.	X-ray Diffractometer (XRD)	
3.	Scanning Electron Microscope (SEM)	
4.	Scanning Electron Microscope (SEM)	
5.	Digital Viscometer and Water Analysis	
6.	Digital Viscometer and Water Analysis	
7.	High-performance Liquid Chromatography (HPLC)	
8.	High-performance Liquid Chromatography (HPLC)	
9.	Spectrophotometer	
10.	Site Visit	



Kotni, Near Mantralaya, Naya Raipur,
Chhattisgarh - 492101, India



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