FACULTY OF
TECHNOLOGY

"ENGINEERS BUILD THE NATION"
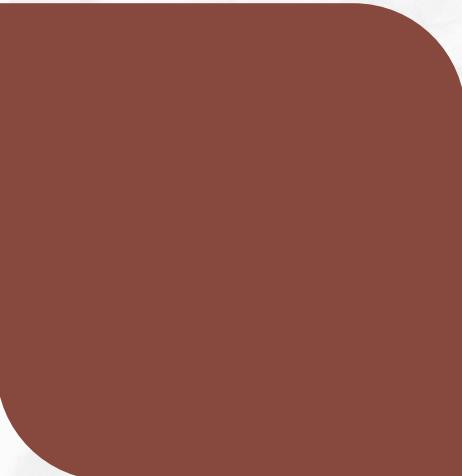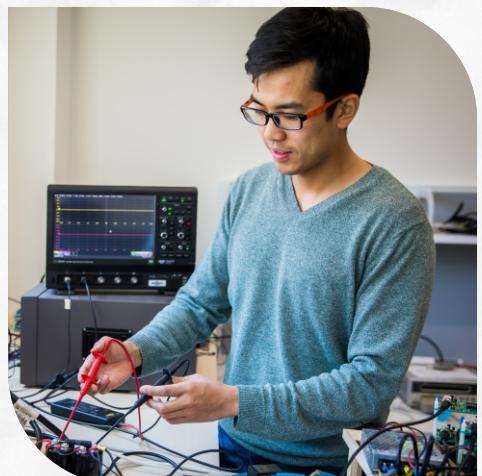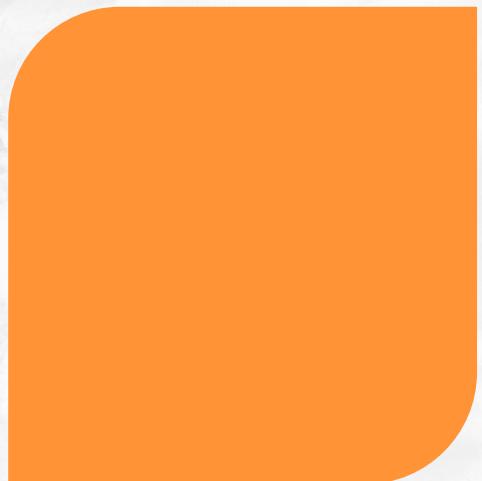
NAAC GRADE B+
Accredited University

nirf RANKING 2024

Ranked in Top 101-150 Universities

www.kalingauniversity.ac.in

ABOUT **KALINGA UNIVERSITY**

Kalinga University, Raipur 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.

About Raipur - Raipur is the Capital of Chhattisgarh and New Raipur is the New Capital of Chhattisgarh in the making. New Raipur is the fourth planned city of India with wide roads and miles of greenery and is pollution free. It is the first integrated and smart city of the country. A cosmopolitan city which is also the hub of higher education hosts IIM, IIT, IIIT, National Law University, CIPET, NIT and AIIMS. In addition it also hosts most National and International Brands of Food and Retail Outlets.

Establishment - Established in 2013, this University has been able to win the confidence of over 12000 students. Meritorious students from all over the country and various foreign countries like Afghanistan, Angola, Bangladesh, Burundi, Cameroon, Congo, Gambia, Ghana, Ivory Coast, Kenya, Lesotho, Liberia, Malawi, Mosambique, Namibia, Nepal, Nigeria, Papua New Guinea, Rwanda, Somalia, South Korea, South Sudan, Sudan, Swaziland, Syria, Tanzania, Uganda, Zambia and Zimbabwe etc. have chosen this University for their education and career.

Schools of Excellence - Currently the University is serving the student community through various schools offering UG and PG programs namely Arts & Humanities, Biotechnology, Commerce & Management, UX Design, Engineering, Fashion Design, Information Technology, Interior Design, Journalism & Mass Communication, Law, Library Science, Pharmacy, Science, Education and Yoga. It also has a centre for Doctoral Research Programmes in various fields.

Academics and Faculty - All schools are headed by senior professors having excellent academic credentials and experience of teaching, publications and research. They are ably supported by the well qualified faculty members who come from top educational institutions and the Industry. Students also get an opportunity to learn from a distinguished panel of experts drawn from various industries, who regularly come for guest lectures.

Infrastructure - Kalinga boasts of 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 75 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 1200 computers are available for the use of the students.

The Library has a collection of over 90,000 books and also offers digital content through membership of DELNET, National Digital Library and NPTEL. Various magazines and journals are available for the use of the faculty and students. Infrastructure consists of Student Hostel facilities, Green Acres, Canteen, Food Mess, Gymnasium, Fully Wi-fi Campus, ATM, Mini Market, Student hangout Areas, Sports Complex, Recreation Halls with Indoor Games and Music and recreation activities.

Industry Orientation and Leadership - Industry interaction is an integral part of the curriculum and industrial visits, internships on live projects and mentoring by the Industry leaders are regular features. The University has developed excellent connections with the top Industries of the region by taking memberships of leading industrial associations like Confederation of Indian Industries, PHD Chamber of Commerce and Industry, Federation of Indian Chamber of Commerce and Industry, Indian Importers Chamber of Commerce and Industry, etc. The University has an active chapter of Young Indians in which students get an opportunity to interact extensively with the Industry leaders and attend various corporate seminars and events.

Life Changing Experience - Kalinga is a Life Changing Experience where the focus is on over all development of students . NCC, NSS and various other clubs and societies offer opportunities to students to showcase their talent and learn under the guidance of experts. Music, Dance and Martial Arts trainers are available for the students. Coaches of different games and sports like Cricket, Football, Basketball, Volleyball and Athletics are also available for sharpening the skills of the students.

FACULTY OF
TECHNOLOGY

- Department of Mechanical Engineering
- Department of Electrical Engineering
- Department of Civil Engineering
- Department of Computer Science Engineering
- Department of Mining Engineering

Faculty of Technology exemplifies the excellence in technical education. Inviting the young talent to explore the highly challenging field of engineering, it offers a unique opportunity to experience the domain through its 4-years B.Tech Degree courses and 3-years Diploma in the streams of Computer Science & Engineering, Electrical Engineering, Civil Engineering & Mechanical Engineering and 2-years M.Tech Degree courses. Empowering its graduates with the skills to facilitate their transition into their professional life, the Faculty of Engineering strives to create a steadfast workforce for the nation. As engineering and allied domains form the backbone of any progressive nation, this is an evergreen sphere for the aspirants and has innumerable employment opportunities globally. In keeping with the Kalinga University's tradition of excellence we strive to emerge amongst the country's top institutes in engineering.

ENGINEERING STREAM

Engineering is a broad work category that refers to a trade that uses science and mathematics to solve a variety of problems. Engineers work in disciplines that include mechanical, electrical, chemical, civil, computer science and environmental engineering, among others.

Due to the huge potential for infrastructure development, there is a good demand for engineers. With liberalization of the economy and opening of new companies and sectors, an engineering graduate has myriad of options to start his career.

PROGRAMS & ELIGIBILITY

S.No.	Program	Duration	Mode	Eligibility
01.	B. Tech	4 Years	Semester	Passed 10+2 examination with Physics & Mathematics as compulsory subjects & any one of the following Chemistry / Computer Science / Electronics / Information Technology / Biology / Information Practices / Biotechnology / Technical Vocational subject / Agriculture / Engineering Graphics / Business Studies / Entrepreneurship. Obtained at least 45% marks (40% marks in case of candidates belonging to reserved category) in the above subjects taken together. OR Passed min. 3 years Diploma examination with at least 45% marks (40% marks in case of candidates belonging to reserved category) subject to vacancies in the First Year, incase the vacancies at lateral entry are exhausted. (The University will offer suitable bridge courses such as Mathematics, Physics, Engineering drawing, etc., for the students coming from diverse backgrounds to achieve desired learning outcomes of the programme).
02.	B. Tech CS in AI & ML In collaboration with IBM Innovation Centre for Education	4 Years	Semester	Passed 10+2 examination with Physics & Mathematics as compulsory subjects
03.	B. Tech (Lateral Entry)	3 Years	Semester	Passed Minimum Three years / Two years (Lateral Entry) Diploma examination with at least 45% marks (40% marks in case of candidates belonging to reserved category) in ANY branch of Engineering and Technology. Passed B.Sc. Degree from a recognized University as defined by UGC, with at least 45% marks (40% marks in case of candidates belonging to reserved category) and passed 10+2 examination with Mathematics as a subject. Passed D.Voc. Stream in the same or allied sector. (The University) will offer suitable bridge courses such as Mathematics, Physics, Engineering drawing, etc., for the students coming from diverse backgrounds to achieve desired learning outcomes of the programme)
04.	Diploma in Engineering	3 Years	Semester	10+2
05.	Diploma in Engineering (Lateral Entry)	2 Years	Semester	10+2 PCM/ITI (2 years) / 2 years Vocational Course in Relevant Trade/ 3 year Apprenticeship
06.	M. Tech	2 Years	Semester	B. Tech. /B.E in Relevant Subject

SPECIALISATIONS OF B.Tech
Civil , Computer Science, Electrical and Mechanical

SPECIALISATIONS OF DIPLOMA
Civil , Computer Science, Electrical, Mechanical and Mining

SPECIALISATIONS OF M.Tech
Civil: Highway Engineering, Structural Engineering
Computer Science: Multimedia Technology, OOSD, Artificial Engineering & Machine Learning
Electrical : Instrumentation & Control, Power System & Control
Mechanical : Machine Design, Production Technology, Thermal Engineering

Please note that B.Tech & Diploma in Engineering Programmes are approved by AICTE.

CAREER OPTIONS

Armed Forces · Automotive & Ancillaries · Civil & Construction · Computer Engineer · Electrical & Electronics ·Energy Engineering · Environmental Engineering · Food & Processing · General/Multiple Fields · Government/Public Sector · HVAC Engineer · Industrial Engineering & Operations Research · Lecturer/Academia · Manufacturing · Mechanical Engineering · Mining Materials Science Engineering · Mobile/Telecom Service · Nuclear Engineering · Petroleum & Gas · Procurement · Software/Hardware Engineer · Statistics/Mathematics

Sectors Employing Engineering Graduates

Automobile Companies
Ashok Leyland · Bajaj Auto Ltd. · Hero Moto Corp. · Hyundai · Mahindra & Mahindra Ltd. · Maruti Suzuki · Tata Motors · TVS Motors Company

Constuction/Infrastructure Companies
DLF · Gammon India · Jaypee Group · Larsen and Toubro · Oberoi Realty · Reliance Infrastructure · Tata Projects · Unitech

Engineering Companies
Bharat Heavy Electricals Limited (BHEL) · Godrej · Havells India Ltd. · Indian Oil Corporation · Larson & Toubro (L&T) · Maruti Suzuki India Ltd. · Relience Industries · Tata Motors

FMCG/FMCD
Crompton Greaves Consumer Electricals Ltd. · Dabur India Ltd. · ITC · LG · Panasonic · Blue Star Ltd. · Samsungs Ltd. · Voltas Ltd.

IT & Technologies Companies
Acer India Pvt Ltd. · Amazon · Cisco · Google · HCL Technologies Ltd. · Hewlett-Packard India Sales Pvt. · IBM · Infosys Limited · Intel Technology India Pvt. Ltd. · Lenovo India Pvt. Ltd. · Microsoft · Oracle Financial Services Software Ltd. · Redington India Ltd. · Tata Consultancy Services Ltd. · Wipro Ltd.

Large Government Organisation
Bhabha Atomic Research Center · Bharat Heavy Electricals Ltd. · Defense Research & Development Organization · Indian Defence - Army, Navy and Air Force · Indian Space Research Organization · NTPC Ltd. · Indian Railways

Manufacturing Companies
Bharat Electronics Ltd. (BEL) · Borosil Glass Works Ltd. (BGWL) · Hindustan Unilever Ltd. (HUL) · Lava International Ltd. · Moser Baer India Ltd. · Pioneer India · Rain Industries Ltd. (RAIN) · Tata Chemicals Ltd.

Multinational Companies
ABB Group · BOSCH · Coca Cola · General Electric Company · GMR Group · Schneider Electric · Siemens · Suzlon Energy Ltd. · Thermax Ltd. · Thyssen Krupp

Telecom
· Airtel · BSNL · Jio · MTNL · Reliance Communications · Tata Teleservices · Telenor India · Vodafone India

APPROVALS & ASSOCIATIONS

UGC Estd.under section 2(f) of UGC Act 1956 · AICTE · Pharmacy Council of India · NCTE National Council for Teacher Education (A Statutory Body of the Government of India) · Bar Council of India · Association of Indian Universities · Young Indians · AIPMA · Vigyan Prasar

Vocational Training Provider under Chhattisgarh State Skill Development Author · CII · Vocational Training Provider under Ministry of Labour & Employment · Tribhuvan University Nepal · NCC · NATIONAL SERVICE SCHEME · FICCI · National Skill Development Corporation · PMKVY

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Bhilai Office : 111, Khichariya Complex, Near Hotel Grand Dhillon, Nehru Nagar, Bhilai, 490020.
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