KALINGA UNIVERSITY

RAIPUR | INDIA

NAAC GRADE B+ Accredited University | nirf RANKING 2022 Ranked in Top 101-150 Universities

CORPORATE TRAINING & CONSULTANCY DIVISION

Brochure

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About **Kalinga University**

Kalinga University was established in the year 2011 and is located in Naya Raipur, the new Capital of Chhattisgarh State. Kalinga University offers more than 90 UG, PG and Doctorate programs in the areas of Arts and Humanities, Science, Technology, Pharmacy, Education, Law, Commerce & Management, Information Technology, and Design.

We are a student-centric research-focused University catering to 9000+ students from various parts of the country and more than 22 foreign countries through our world-class infrastructure, well-established academic systems and our experienced faculty by providing them with life-changing experiences.

University today has a repository of 800+ research papers in SCI / Scopus / UGC Care / International and other Journals, have 81 patents, 350+ no. of Books and Chapters published by our faculty members, Research Scholars and UG / PG students.

Apart from teaching-learning we have considerable initiatives in the area of Start-Ups, Innovation, Incubation, Training, Consultancy, adoption of villages for social causes, skilling, study abroad, immigration, ERP implementation in schools, Colleges and Universities, Government and Private funded research and consultancy projects & foray into new age technologies

We are approved by UGC u/s 2(f) and u/s 12(B), accredited by NAAC and feature in 101 – 150 among the top higher education institutions in the country in NIRF Ranking 2022.

Our Alumni are well-placed with the top organizations in the country and abroad

We are guided by an able team of top management with rich industry and academic experience.

About **Corporate Training & Consultancy Division (CTCD)**

Organizations operate in a tough environment where factors like domestic and foreign organizations offering similar products and services, world and country politics, new technologies, etc. affect their bottom lines. Organizations in such environments need to be adaptive to ever-changing scenarios and need to focus on optimising the available resources and the most important resource for an organization is to focus on its individuals and form winning teams.

However, these teams and individuals require knowledge, skills and attitude to adapt to the changing environment.

This is where Kalinga's CTCD comes into the picture, CTCD is in the area of improving client business performance through the comprehensive development of Individuals, teams and the organization.

We offer training and consultancy using experiential learning methodology which is based upon the adult learning principles that offer people the knowledge, skill, practices and attitude to excel.

We help organizations achieve their objectives by aligning their training needs with their business goals and objectives.

Methodology

- Understand Training or Consultancy Need by discussions with Functional/Top Managers.
- Pre-Assessment by discussions or techniques to clearly identify the problem.
- Mapping of Training Objectives
- Choosing the right methodology
- Training Delivery using

  - Instructor Led Training
  - Interaction
  - Case Studies
  - Real-Life Situations
  - Gaming Exercises
  - Relevant videos
  - Experience Sharing
  - Peer-to-Peer Training
  - Problem-solving Exercises
  - Simulation
  - Role Plays
  - Sensitization

- Open Feedback
- Follow Up Sessions

Training **Benefits**

The broader objective of almost every organization is profit maximization by improving processes & waste minimization. Challenges to overcome to achieve it are lower productivity, falling demand, new technology, competition, retention, quality control, delays, inability to match deadlines, failing information systems and many more.

Most of these problems can be taken care of when teams are focused, energetic and have an attitude to take on these challenges .

Effective training helps an organization in motivating employees to look at the brighter side of the picture, helps them see their personal objectives in the light of organisational objectives and rejuvenates them.

Other Important benefits of Effective Training are:

- Knowledge Sharing
- Employee's Skill Enhancement
- New Skills & Capabilities acquisition
- Understanding of the problem
- Self-actualization
- Motivation
- Better productivity
- Change in attitude.
- Employee Engagement
- Career / Succession Planning

Training **Domains**

A. Training Solutions for Corporates

B. Secondary and Higher Education Domain

C. Engineering

D. Pharmaceutical Industry

E. Technology Training

Training **Domains**

A. Training Solutions for Corporates

1. Leadership and Supervisory Development

- New Age Technologies for Top Management
- Managerial Effectiveness through Self Awareness
- The art of Influencing without Authority
- Problem-Solving and Decision Making
- Toolkit of Professionals
- Planning, organizing and Execution Skills
- Professional Branding through Taking Initiatives
- Time Management
- Negotiation Skills
- Art of Business Presentations
- Body Language and Rapport Building
- How to become a star employee?
- Conflict Management
- Emotional Intelligence
- NLP Therapies
- Personal Counselling Session
- Counselling Techniques
- Understanding the IT needs of your organization
- Digital Marketing
- Business Intelligence, Big Data and Data Analytics

2. Behavioural & Personal Enhancement Training Programs for Corporates

- Building concrete mental health through mindfulness
- Work-Life Balance
- Team Work and Collaboration
- Effective Delegation
- Stress Management
- Depression / Anxiety – feel it to heal it
- Helping Children overcome depression
- Helping Employees' Growth in the workplace
- Building congenial Senior Subordinate relationship
- Personal Development through Affirmations and NLP
- Making Effective HR Policies and Implementing it

B. Secondary and Higher Education Domain

- Understanding Compliances, accreditations and Rankings applicable to schools, colleges and Universities
- Technology Transitions for your school, college and University
- Adoption of Innovation, Incubation, Start-Up for your Institution
- Effective Campus Management using ERP
- How digital marketing can help you get more admissions
- Generation of income from your academic departments
- How to build Research Culture in your Institution
- Time Table Management
- Building up effective student support Services
- Effective Academic Management
- National Education Policy and How to be NEP Compliant
- Central Instrumentation Facility. (Setting up research labs)
- How to achieve better student results
- Effective Student Activities
- Teachers as Leaders
- How to manage examination effectively
- Transforming your campus into an eco-friendly green campus.
- Optimization of Academic and other resources
- Intellectual Property Rights (IPR)
- Drafting Skills
- Faculty Engagement
- Student Engagement
- Human Resource
- Central Instrumentation Facility (CIF)

C. Engineering for Corporate & Education Domains

Engineering Training Solutions are for both Corporates and Academic Institutions:

- Material Testing
- Surveying
- Testing of Highway Materials and Concrete Technology
- Geo-Technical / Soil Testing Report
- Testing of I.C. Engines and NDT Services
- Thermal Engineering '
- Composite Materials Production Engineering
- Gas Testing (Mining)
- Solar Engines Efficiency Enhancement
- Electrical Vehicle
- PCB Designing
- Energy Audit
- Industrial Safety

D. Pharmaceutical Industry

- UV Spectrophotometer Analysis for Drugs and Chemicals
- HPLC Analysis for Drugs and Chemicals
- FTIR Analysis for Drugs and Chemicals
- Microbiological Tests
- Pre-clinical Studies
- Pre–formulation Studies
- Phytochemical Studies
- Pharmacognostical Studies

E. Technology Training

- Technology Transition for Top Management and Top Managers
- Get more from your Android or iPhone
- Website - What it can do for your organization?
- Effectively managing Social Media for your organization
- Making Powerful Presentations
- ERP – How it can change the way your organization works?
- How digital marketing can make money for you?
- Personal Computer Applications (PCA) – Windows, Word, Excel and PowerPoint
- PCA – II – Advanced Word, Excel and PowerPoint
- AutoCAD – Level I and II
- Technology Tools You have never used
- Cyber Security
- Machine Learning through Python
- Deep Learning through Python
- ANSYS
- Beginner and Advanced level user training in the area of .NET, Data Analysis, IoT, Python and Shell Scripting, C, C++, Java, Website Development, PHP, SQL, Digital Marketing, Graphic Designing, AI & ML, MATLAB, SPSS

About **the Training**

A. Training Duration

The duration of all proposed training programs largely depends upon the training objectives of the organization. The duration of training also depends upon the level of the trainees. Most training programs have a stipulated number of hours which could be delivered in the following modes.

- Full Days (6 Hours)
- Half Days (4 Hours)
- A session of two hours per day.

Certain training programs are delivered on a nomination basis from the organizations for a prescheduled calendar.
Training can also be delivered before and after office hours depending upon Trainer's and Trainees availability.

B. Training Venue

Training venue can be mutually decided, It can be delivered at our end or at your end or third-party venues like a hotel or a resort depending upon the client's choice.

If the training is conducted at our end @ Kalinga Campus at Naya Raipur, we will be providing:

- Auditorium (Having a capacity of 150)
- Board Room – 1 having a capacity of 20
- Board Room – 2 having a capacity of 25
- Board Room – 3 having a capacity of 10
- Board Room – 4 having a capacity of 30

All of the above are equipped with air conditioning, Interactive Panels for projection and sound proofing compliant.

- Computers and Laptops (if the training requires the use of computers)
- Training Kit
- Lush Green Gardens for outdoor activities
- Tea / Coffee / Light Snacks and Lunch
- Parking

If the Training is conducted at your end or at a third venue, you have to provide:

Training Hall or Board Room with sufficient capacities

Projection Device (Projector or TV or Interactive Panel)*

White Board or Glass Board and Marker*

Air-conditioning

Tea/Coffee and Lunch for the trainer

* If not available – can be hired and installed at your venue.

To be provided by us if the training is conducted at your end

- Trainer
- Training Kits

C. Trainers Profile

We offer trainers having rich experience and knowledge and considerable training experience.

Depending upon the training objectives, the trainer profile will be shared and a discussion with the trainer in off line or online if desired by the client.

Only after the approval of the trainer, the training will be initiated.

D. Training Cost

The training cost is dependent upon Trainer, duration of the training, venue and training aids availability which can be mutually discussed.

CONSULTANCY SERVICES

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Consultancy

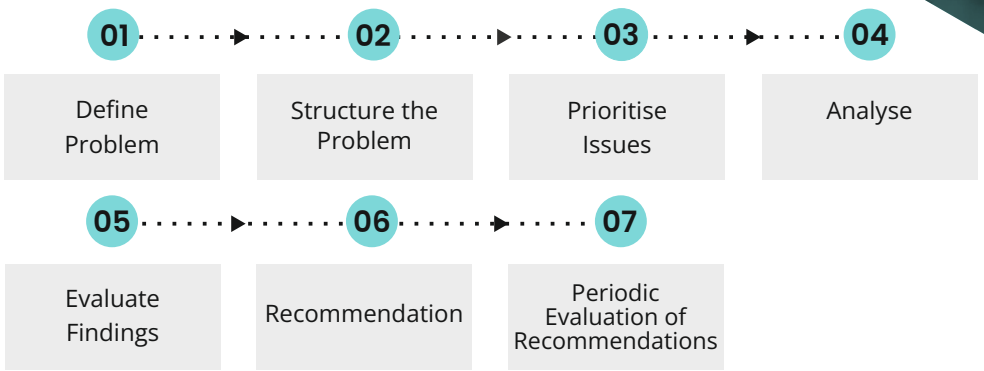
A. Introduction

Whether it is a product-based manufacturing or service-based organization, Irrespective of the nature of products and services they go through various phases. These phases can be broadly categorised as start-up phase, growth phase, maturity phase and decline phase. Each Phase has its own challenges. Startups come across difficulties in creating a space for themselves in an already-created ecosystem. The difficulties are related to the establishment where they need to choose among various choices available in terms of products & services, available technologies, location, logistics options, type of manpower, organization structure etc. The growth phase requires additional capacity building, automation, higher recruitments, premium pricing, expanding vendor base, new offices and new plants, acquisitions, etc. The maturity phase requires technology adaptations, cost cuttings, make or buy decisions, replacements of old machinery or systems, re-packaging, arresting mounting repairs and maintenance and all other methods to extend the maturity period. Decline like a start-up again offer choices selective shutdowns, phasing out non-productive products, services, Units and offices, arresting higher top management costs, brand value, offer to choose from takeovers, getting acquired or getting merged and optimising available real estate. One thing which is common in all the phases is the need for expert advice in taking decisions which affect the bottom lines of the business. That's where the need for research and consultancy comes into the picture as organization decisions cost money and influence the overall financials & future of the organization.

B. Benefits

- Inputs for short, long and strategic decisions
- Helps choose the right technologies at the right time
- Cost cutting and arrests wastage of resources
- Improves efficiency in day-to-day processes
- Improves bottom lines and profitability

C. Consultancy Process



Consultancy Areas

A. Engineering (Meant for Industry and Academic Institutions)

- Material Testing
- Surveying
- Testing of Highway Materials and Concrete Technology
- Geo-Technical / Soil Testing
- Testing of IC Engine & NDT Services
- Solar Engine Efficiency Enhancement
- PCB Designing
- Energy Audit
- MATLAB Programming

B. Pharmacy (Meant for Industry and Academic Institutions)

- UV Spectrophotometer Analysis for Drugs and Chemicals
- HPLC Analysis for Drugs and Chemicals
- FT-IR Analysis for Drugs and Chemicals

C. Finance and Accounts (Meant for Industry and Academic Institutions)

- Preparation of Cash Flow and Fund Flow Statement
- Working with Excel and Create Financial Statement

D. Research (Only for Higher Education Academic Institutions)

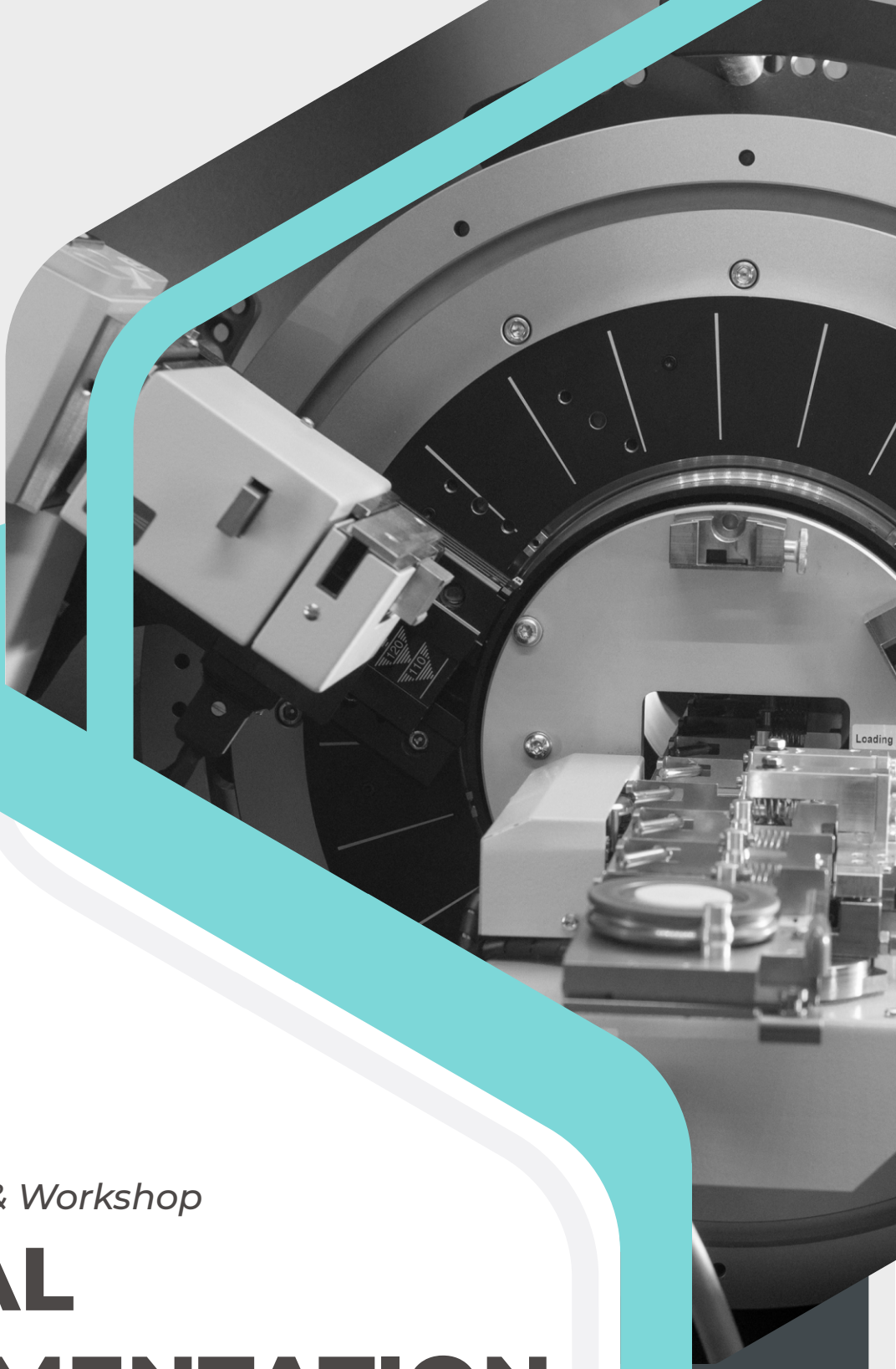
- How to write effective research papers?
- How to prepare research projects for Government / Private Funding and Grants?

E. Compliances, Accreditations & Rankings (Only for Higher Education Academic Institutions)

- Preparation for NAAC, and NBA Accreditations
- Approval for UGC 2(f), 12(B), PCI, BCI, AICTE, NCTE
- Ranking in NIRF etc.

F. Organic Eco System (Meant for Industry and Higher Education Academic Institutions)

- Organic Farming
- Vermi Composting
- Mushroom Cultivation
- Ethnobotany
- Horticulture for Large Campuses
- Organic Waste Management



Hands-on Training & Workshop

CENTRAL INSTRUMENTATION FACILITY (CIF)

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Central **Instrumentation Facility** (CIF)

1. X-Ray Diffractometer (XRD)
2. High Performance Liquid Chromatography (HPLC)
3. Advanced Instrumentation (Digital Viscometer) & Water Analysis
4. Protein Estimation & Biochemistry Analyzer
5. Scanning Electron Microscope (SEM) & Microscopy
6. FT-IR Spectrophotometer
7. Molecular Techniques (PCR | Electrophoresis | UV Transilluminator)
8. Tablet Press & Dissolution Test Apparatus
9. Advanced Surveying Techniques - Total Station
10. Cinematography
11. 3D Printing
12. Google Sketchup
13. Sustainable Engineering
14. Advanced IoT Applications
15. Digital Marketing
16. Cryptocurrency
17. Stock Market Trading
18. Microsoft Power Business Intelligence (Power BI)

X-Ray Diffractometer (XRD)

A. Applications

- Identification of unknown minerals and inorganic compounds.
- Used to provide information on textures, phases and other structural information.
- Yields a high atomic resolution.

B. What Will You Learn?

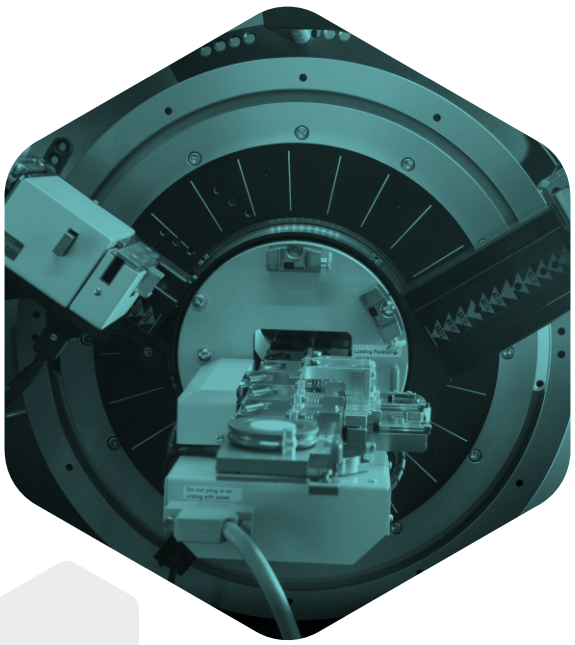
The participant after attending will be able to understand and analyse the various uses of the X-Ray Diffractometer (XRD), which includes:

- X-Ray crystallography provides a two-dimensional view that indicates the three-dimensional structure of a material.
- Relatively inexpensive and simple.
- Useful for large structures: Not limited by size or atomic weight.
- Can yield a high atomic resolution.

C. Whom It Is Meant For?

Academicians, Scientific officers, Undergraduate, Master's and Ph.D. students, and anyone who is keen to learn are all encouraged. It is useful in various industries:

- Pharmaceutical Industry
- Forensic Science
- Geological Applications
- Microelectronic Industry
- Glass Industry
- Food Industry
- Civil & Construction Industry (Steel, Cement Industry)



High-Performance Liquid Chromatography (HPLC)

A. Applications

- Qualitative analysis: Separation of thermally unstable chemical and biological compounds, e.g., drugs (aspirin and ibuprofen), salts (sodium chloride), proteins (egg white or blood), organic chemicals (polystyrene & polyethylene), herbal medicines, and plant extracts.
- Quantitative analysis: To determine the concentration of a compound in a sample by measuring the height and area of the chromatographic peak.
- Preparation of pure substances for chemical and toxicology studies and in organic synthesis. This is also called preparative chromatography.
- Trace analysis: this is the analysis of compounds present in very low concentrations in a sample. This is very useful in pharmaceutical, toxicology, environmental, and biological studies.

B. What Will You Learn?

The participant after attending will be able to understand and analyse the various uses of the High-Performance Liquid Chromatography (HPLC), which include:

- Qualitative analysis - Separation of thermally unstable chemical and biological compounds, e.g., drugs (aspirin and ibuprofen), salts (sodium chloride), proteins (egg white or blood), organic chemicals (polystyrene and polyethylene), herbal medicines, and plant extracts.
- Quantitative analysis - To determine the concentration of a compound in a sample by measuring the height and area of the chromatographic peak.
- Preparation of pure substances for clinical and toxicology studies and in organic synthesis. This is also called preparative chromatography.
- Trace analysis – this is the analysis of compounds present in very low concentrations in a sample.
- This is very useful in pharmaceutical, toxicology, environmental, and biological studies.

C. Whom It Is Meant For?

Academicians, Scientific officers, Undergraduate Master's and Ph.D. students, and anyone who is keen to learn are all encouraged. It is useful in various industries:

- Pharmaceutical Industry
- Analytical Laboratories
- Protein-Based Molecule
- Agro-Industry
- Pharmaceutical Industry
- Analytical Laboratories
- Protein-Based Molecule
- Agro-Industry
- Biological Studies

Advanced Instrumentation (Digital Viscometer) & Water Analysis

A. Applications

- Dairy Products
- Juices
- Pharmaceuticals
- Coatings, Solvents
- Polymer Solutions, Oils, Paints
- Inks, Latex Adhesives (Solvent base)

B. What Will You Learn?

The participant after attending will be able to understand and analyse the various uses of the Advance Instrumentation (Digital Viscometer) & Water Analysis, which include:

- In Dairy and Brewage Products.
- In Pharmaceuticals.
- In Coatings Solvents.
- In Polymer Solutions Oils Paints.
- In Inks Latex Adhesives (Solvent Base)
- Use of turbidity meter for the detection of turbidity of liquids and aqueous solutions.
- In Polymer Solutions Oils Paints.
- Types of Turbidity Meters.
- Working of Turbidity Meter.
- Cause of Turbidity.

C. Whom It Is Meant For?

Academicians, Scientific officers, Undergraduate, Master's and Ph.D. students, and anyone who is keen to learn are all encouraged.
It is useful in various industries:

- Dye Industry
- Agriculture Industry
- Environmental Studies
- Steel Industry
- Pollution Control Board
- Food Industry
- Dairy Industry
- Pharmaceutical Industry
- Automobile Industry
- Biofuel Industry (Oil Refineries)

Protein Estimation & Biochemistry Analyzer

A. Applications

- Determination of protein value in a variety of substances.
- Future food discovery.

B. What Will You Learn?

The participant after attending will be able to understand and the various uses of the Protein Analysis & Biochemistry Analyzer, which include:

- Detection of Impurities in organic molecules.
- Structure elucidation of organic compounds.
- In the quantitative determination of compounds that absorb UV radiation.
- Detection of the presence or absence of functional group in the compound.
- UV spectrophotometer may be used as a detector for HPLC Kinetics of reaction can also be studied using UV spectroscopy.
- Perform tests on whole blood, serum, plasma, or urine samples to determine concentrations of analytes (e.g., cholesterol, electrolytes, glucose, calcium).
- To provide certain haematology values (e.g., haemoglobin concentrations, prothrombin times).
- To do an assay of certain therapeutic drugs (e.g., theophylline), which helps diagnose and treat numerous diseases, including diabetes, cancer, HIV, STD, hepatitis, kidney conditions, fertility, and thyroid problems.

C. Whom It Is Meant For?

Academicians, Scientific officers, Undergraduates, Master's and Ph.D. students, and anyone who is keen to learn are all encouraged. It is useful in various industries:

- UV Spectroscopy
- Drug Industry
- Pharmaceutical Industry
- Biotechnology
- Dye Industry
- Biochemistry
- Food Analysis
- Bacterial Nutrient Availability
- Diagnostic Industry
- Product Development
- Research Industry
- IVF Clinics
- Pre-Clinical and Clinical Studies

Scanning Electron Microscope (SEM) & Microscopy

A. Applications

- Scientific and industry-related fields, especially where characterizations of solid materials are beneficial.
- Topographical, morphological and compositional information.
- Detect and analyse surface fractures, provide information in microstructures, examine surface contaminations, reveal spatial variations in chemical compositions, provide qualitative chemical analyses and identify crystalline structures.
- Research tools in fields such as life science, biology, gemology, medical and forensic science, metallurgy etc.

B. What Will You Learn?

The participant after attending will be able to understand and analyse the various uses of the Scanning Electron Microscope (SEM) & Microscopy, which include:

- Magnification and higher resolution – as electrons rather than light waves are used, it can be used to analyse structures that cannot otherwise be seen. The resolution of electron microscopy images is in the range of up to 0.2 nm, which is 1000x more detailed than light microscopy.
- Diverse applications – Electron microscopy has a diverse range of applications in many different fields of research including technology, industry, biomedical science, and chemistry.
- Plays important role in semiconductor inspection, computer chip manufacture, quality control and assurance, analysis of atomic structures, and drug development.
- High-quality images – electron microscope uses the system to produce highly detailed images of structures that are of high quality, revealing complex and delicate structures that other techniques may struggle to reproduce.

The participant after attending will be able to understand and analyse the various uses of the Scanning Electron Microscope (SEM) & Microscopy, which include:

- Scientists use a microscope for studying microorganisms, cells, crystalline structures, and molecular structures.
- Microscopes help doctors diagnose the tissue sample.

C. Whom It Is Meant For?

Academicians, Scientific officers, Undergraduate, Master's and Ph.D. students, and anyone who is keen to learn are all encouraged. It is useful in various industries:

- Forensic Science
- Biomedical Research
- Art
- Soil and Rock
- Nano Science
- Wire Industries
- Element Analysis
- Pathology Laboratory
- Hospitals / Medical Institutions
- Agriculture Industry
- Educational Institutes
- Pharmaceutical Laboratories
- Quality Control
- Life Science (Microbiology, Zoology, Biochemistry, Botany)
- Biotechnology

FT-IR Spectrophotometer

A. Applications

- Analysis of thin films and coatings.
- Quality verification of incoming/outgoing materials.
- Monitoring of automotive or smokestack emissions.
- Microanalysis of small sections of materials to identify contaminants.
- Deformulation of polymers, rubbers, and other materials through thermogravimetric infra-red (TCA-IR) or gas chromatography infra-red (GC-IR) analysis.

B. What Will You Learn?

The participant after attending will be able to understand and analyse the various uses of the Fourier Transform Infrared Spectroscopy (FT-IR), which include:

- Analysis of thin films and coatings.
- Quality verification of incoming/outgoing materials.
- Monitoring of automotive or smokestack emissions.
- Microanalysis of small sections of materials to identify contaminants.
- De-formulation of polymers, rubbers, and other materials through thermogravimetric infra-red (TGA-IR) or gas chromatography infra-red (GC-IR) analysis.
- Analysis of thin films and coatings.
- Quality verification of incoming/outgoing materials.
- Monitoring of automotive or smokestack emissions.

C. Whom It Is Meant For?

Academicians, Scientific officers, Undergraduates Master's and Ph.D. students, and anyone who is keen to learn are all encouraged. It is useful in various industries:

- Pharmaceutical Industry
- Automobile Industry
- Paint Industry
- Polymer & Plastics Industry
- Food Industry
- Forensic Industry
- Quality Control

Molecular Techniques
(PCR | Electrophoresis | UV Transilluminator)

A. Applications

- Polymerase Chain Reaction is used in Medical, Forensic, and Applied Sciences.
- The PCR can be used in many different laboratory procedures. For example, most mapping techniques in the Human Genome Project (HGP) relied on PCR.
- PCR is also valuable in several indicated laboratories and clinical techniques, including DNA fingerprinting, detection of bacteria or viruses, and diagnosis of genetic disorders.
- Gene expression, Mutagenesis, Cloning & Gene expression studies.
- In mycology and parasitology, PCR technology favours the early identification of microorganisms.

B. What Will You Learn?

The participant after attending will be able to understand and analyse the various uses of the Molecular Techniques, which include:

- The PCR can be used in many different laboratory procedures. For example, most mapping techniques in the Human Genome Project (HGP) relied on PCR.
- PCR is also valuable in several indicated laboratories and clinical techniques, including DNA finger printing, detection of bacteria or viruses, and diagnosis of genetic disorders.
- Polymerase Chain Reaction is used in Medical, Forensic, and Applied Sciences.
- Gene expression, Mutagenesis, Cloning & Gene expression studies.
- In mycology and parasitology, PCR technology favours the early identification of microorganisms.

C. Whom It Is Meant For?

Academicians, Scientific officers, Undergraduates Master's and Ph.D. students, and anyone who is keen to learn are all encouraged. It is useful in various industries:

- DNA Fingerprinting
- Pharmaceutical Industry
- Research & Development Center
- Agriculture Industry
- Medical and Forensic Laboratories
- Diagnostic Laboratories
- Biochemistry Analysis
- Forensic Science

Tablet Press & Dissolution Test Apparatus

A. Learning Outcomes

Participants of this hands-on training program will finish will finish with an understanding of fundamental concepts including:

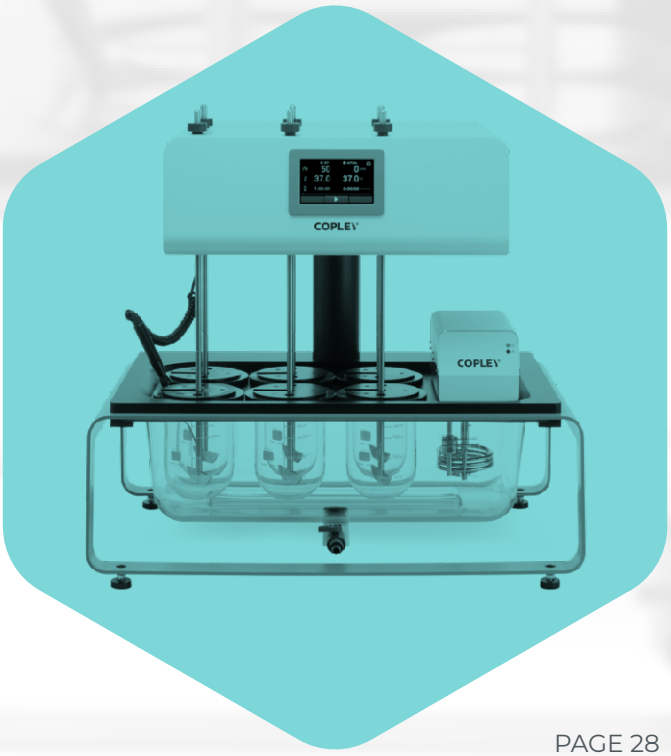
- Tablet press setup and operation.
- General background of tooling options.
- Formulation and granulation overview.
- Challenges in tablet formulation.
- The concept of dissolution and theories.
- Factors affecting dissolution.
- Basis of Biopharmaceutical Classification System (BCS) and its importance.

B. Whom It Is Meant For?

Academicians, Scientific Officers, Master's & Ph.D. Students and anyone who is keen to learn

C. Useful In Which Industries

Pharmaceutical Industry l Forensic Science l Geological Applications l Microelectronic Industry l Glass Industry l Food Industry l Civil & Construction Industry (Steel, Cement Industry)



Advanced Surveying Techniques - Total Station

A. Training Objectives

- To learn the use of Total Station technology.
- To understand its application for project layout & construction.
- Students will learn the operating characteristics of Total Station.
- To provide practical knowledge on various aspects of the field of surveying.

B. What Will You Learn?

- Use & operate Total Station in field.
- Apply the knowledge of Total Station in different operations in Civil Engineering projects.
- Use Total Station in the field of civil Engineering land survey.
- To provide practical knowledge on various aspects of the field of surveying.

C. Whom It Is Meant For?

Working Professionals, Students of UG/PG Programs & Research Scholars of Mechanical, Civil, Mining & Geology Engineering and anyone who is keen to learn

Cinematography

A. Applications

- Feature Films.
- Short Films.
- Ad Films.
- Documentaries, etc.

B. What Will You Learn?

Basically, you will learn about cinematography and its tools.

C. Whom It Is Meant For?

Anyone who is interested in understanding the Art of Film Making and anyone who is keen to learn

D. Useful In Which Industries

Media and Entertainment Industry

3D Printing

A. What Will You Learn?

3D Printing is a manufacturing technology that is much faster than all conventional manufacturing technologies. As a result, the immediate market with significant value is the manufacturing SMEs as they require 3D Printing and Digital Fabrication technologies to make what they need. Additionally, the Make in India mission has many advantages for manufacturing companies.

B. Whom It Is Meant For?

Students of B.Tech, M.Tech, Research Scholars of Engineering and anyone who is keen to learn

C. Useful In Which Industries

- Architecture
- Interior Design
- Landscape Architecture
- Product Design
- Stage/Set Design
- Furniture Design
- Kitchen and Bath Design

Google Sketchup

A. Application

Sketchup is a 3D modelling application for creating 3D things in a 2D environment. Whether you intend to model for 3D printing or for other uses, Sketchup provides all of the tools required to generate professional and high-quality outputs, even for inexperienced users.

B. What Will You Learn?

You do not need any software skills to learn to work on Google SketchUp. You just need some imagination and your design will be ready in minutes. You can create chairs, tables, household items, vehicles, buildings, and a lot more.

For your college projects, you might need to create computer models of your machines, apparatus, tools, and lab instruments or you might need to display the complete architecture of your proposed model. Google SketchUp can be very handy in it.

C. Whom It Is Meant For?

Students of

- Bachelor of Interior Design: BID
- Bachelor of Civil Engineering: BCE
- Bachelor of UX Design: B.Design

Or any other student who is interested to learn 3D modelling software.

D. Useful In Which Industries

- Architecture
- Interior Design
- Landscape Architecture
- Product Design
- Stage/Set Design
- Furniture Design
- Kitchen and Bath Design

Sustainable Engineering

A. What Will You Learn?

Sustainable engineering is the practice of designing products and processes that drive material and energy efficiencies to minimize their environmental impact while cutting costs and improving the bottom line.

B. Whom It Is Meant For?

- Students of B.Tech and M.Tech Mechanical & Electrical Engineering.
- Faculty and Working Professionals and anyone who is keen to learn.

C. Useful In Which Industries

- Building Sector
- Power Sector
- Iron and Steel Sector
- Aluminium Sector
- Cement Sector
- Textile Sector

Advanced IoT Applications

A. Applications

- Real-time data is used by an IoT-based security solution to give mitigation strategies and stop cyber security assaults. Based on network activities, it can even create incident responses and security guidelines.
- A smart home is the most visible application of the Internet of Things. A smart home uses sensors to control and maintain lighting, resource management, and security systems. A smart home is a more compact, stand-alone variation of a smart city.
- Agriculture, as an industry, could massively benefit from the Internet of Things.
- Other applications are Traffic management, Pollution monitoring, Resource management, Parking solutions, etc.
- Another application of IoT is Supply chain management (SCM) is a process that streamlines the flow of goods and services from raw material procurement to the customers. It involved inventory management, fleet management, vendor relationships, and scheduled maintenance.

B. Whom It Is Meant For?

- Academicians
- Scientific Officers
- Masters & Ph.D. Students and anyone who is keen to learn

Digital Marketing

A. Aim Of The Training

This training aims to provide sufficient hands-on experience to the participants so that they can get conversant with Digital Marketing tools and techniques and gain insight into running promotional campaigns on Social Media and Google.
This would add to the skill of the participant and he/she can have brighter professional prospects and Employment opportunities in the Digital Marketing domain.

B. Whom It Is Meant For?

This workshop is intended for participants with little or no knowledge about Digital Marketing. If you want an Advance Level workshop, please contact us.

C. What Will You Learn?

If we talk about Digital Marketing, it's a very vast field altogether, our main objective is to give a complete idea about the Domain, Business Scope, Freelance Jobs, Blogging, Social Media and upcoming trends in the world of Digital Marketing.

Cryptocurrency

A. Applications

- It is part of one of the most fascinating parts of the world of digital finance.
- Learn the world of Invest Tech and Payment Tech.
- Blockchain Technology, future of business process automation.
- Apply trading strategies to invest in cryptos.

B. What Will You Learn?

- Basics of Blockchain
- Bitcoin and Alt Coins
- Smart Contract and Ethereum
- Trading in Cryptos
- Trading Psychology

C. Whom It Is Meant For?

- Commerce & Management Students
- Faculty Members
- Freshers
- Trading Enthusiasts
- Industry Professionals

And, anyone who is keen to learn

D. Useful In Which Industries

Digital Finance

Stock Market Trading

A. Applications

- Trading techniques for all classes of people.
- Trading Psychology and the Art of Investing.
- Art of making money using candlestick patterns, Dojis, etc.

B. What Will You Learn?

- Basics of Stock Market
- Players in Stock Market
- Fundamental Analysis
- Technical Analysis
- Basics of Derivatives

C. Whom It Is Meant For?

- Students
- Faculty Members
- Freshers
- Trading Enthusiasts
- Industry Professionals

And, anyone who is keen to learn

D. Useful In Which Industries

For everyone, mainly the finance industry.

Microsoft Power Business Intelligence (Power BI)

A. Applications

- Marketing
- Sales Management
- Data Analytics
- Financial Analysis
- HR Analytics

B. What Will You Learn?

- Introduction to Power BI
- Data Import, Data Cleansing, and Data Analysis using Power BI
- Making an Interactive Dashboard
- Storytelling using Reports
- Art of Business Decisioning using Analytics

C. Whom It Is Meant For?

- Students
- Faculty Members
- Freshers
- Trading Enthusiasts
- Industry Professionals

And, anyone who is keen to learn

D. Useful In Which Industries

Marketing, Sales, Finance, HR.

SAMPLE TESTING

KALINGA UNIVERSITY
RAIPUR | INDIA

Central Instrumentation Facility

The Central Instrumentation Facility (CIF), Kalinga University is well equipped with state-of-the-art instruments like X-Ray Diffractometer, Scanning Electron Microscope (SEM), High-Performance Liquid Chromatography (HPLC), Thermal Cycler (PCR), Horizontal Mini Gel Electrophoresis Unit, UV Transilluminator, FT-IR Spectrophotometer, Bio-Chemistry Analyzer, Touch Screen Viscometer, Digital Viscometer, UV-Visible Spectrophotometer, Digital Turbidity Meter, Digital Flame Photometer, Rotary Tablet Press.

The CIF provides all the Students, Researcher, Faculty of the Kalinga University and external users the platform to use all the sophisticated instrument under one roof at nominal cost. It also ensures the proper implementation and promotion of research culture amongst all the stake holders in the University.

Cost of Sample Analysis

Sr. No.	Facilities	Students	Others Educational Institutions	R & D Labs	Industries
01.	X-Ray Diffractometer	Rs. 500/- per Sample	Rs. 500/- per Sample	Rs. 1000/- per Sample	Rs. 2000/- per Sample
02.	Scanning Electron Microscope (SEM)	Rs. 500/- per Sample	Rs. 800/- per Sample	Rs. 1000/- per Sample	Rs. 1500/- per Sample
03.	High-Performance Liquid Chromatography	Rs. 500/- per Sample	Rs. 800/- per Sample	Rs. 1000/- per Sample	Rs. 1500/- per Sample
04.	Thermal Cycler (PCR)	Rs. 500/- per 10 Samples	Rs. 800/- per 10 Samples	Rs. 1000/- per 10 Samples	Rs. 1500/- per 10 Samples
05.	Horizontal Mini Gel Chromatography	Rs. 200/- per 10 Samples	Rs. 250/- per 10 Samples	Rs. 500/- per 10 Samples	Rs. 800/- per 10 Samples
06.	UV Transilluminator	Rs. 100/- per 10 Samples	Rs. 150/- per 10 Samples	Rs. 200/- per 10 Samples	Rs. 250/- per 10 Samples
07.	FT-IR Spectrophotometer	Rs. 250/- per Sample	Rs. 300/- per Sample	Rs. 350/- per Sample	Rs. 400/- per Sample
08.	Bio-Chemistry Analyzer	Rs. 150/- per Sample	Rs. 200/- per Sample	Rs. 200/- per Sample	Rs. 300/- per Sample
09.	Touch Screen Viscometer	Rs. 50/- per Sample	Rs. 100/- per Sample	Rs. 150/- per Sample	Rs. 200/- per Sample
10.	Digital Viscometer	Rs. 50/- per Sample	Rs. 100/- per Sample	Rs. 150/- per Sample	Rs. 200/- per Sample
11.	UV-Visible Spectrophotometer	Rs. 50/- per Sample	Rs. 100/- per Sample	Rs. 150/- per Sample	Rs. 200/- per Sample
12.	Digital Turbidity Meter	Rs. 50/- per Sample	Rs. 100/- per Sample	Rs. 150/- per Sample	Rs. 200/- per Sample
13.	Digital Flame Photometer	Rs. 50/- per Sample	Rs. 100/- per Sample	Rs. 150/- per Sample	Rs. 200/- per Sample
14.	Rotary Tablet Press	Rs. 100/- per Sample	Rs. 150/- per Sample	Rs. 200/- per Sample	Rs. 250/- per Sample

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(CORPORATE TRAINING & CONSULTANCY DIVISION)

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