Creating a new benchmark in training & development

An organization’s ability to LEARN and translate that learning into ACTION rapidly is the ultimate COMPETITIVE ADVANTAGE

-Jack Welch, Former CEO, General Electric
Pursuit of knowledge through first-hand experience is the cornerstone of OP Jindal University. We aim to build an institution where students learn by doing, where real world challenges find practical solutions and innovation happens not by chance, but by design. It is an attempt to make world class education accessible to deserving students both in metros and in smaller towns of India. Through its modern infrastructure, multi-disciplinary programmes and enriching campus life, the university will create the best leaders not only for India but also for the world.

Naveen Jindal
Chairman, Jindal Steel and Power Ltd.
OP Jindal University

Founded by the Jindal Education and Welfare Society, OP Jindal University (OPJU) aims to develop young professionals and future leaders who will not only power growth and development in the state, but also make a mark globally.

At the core of the university’s philosophy and approach lies the belief that students learn best when exposed to real world situations and enriching interactions with practitioners and professors.

We at OPJU believe that every student has innate potential that can be unlocked through quality teaching and mentorship.

“OPJU strives to be a recognized institution in the field of professional education around the world and also taken care of the Indian context in designing our curriculum.”

Dr. R.D. Patidar
Vice Chancellor, OP Jindal University

विद्या परिप्रशनेन
to gain knowledge and understanding by appreciative enquiry
About CCET

The Centre for Corporate Education and Training (CCET) at OPJU is a unique initiative of the university to ensure corporate excellence at the workplace. It aims to blend the education systems with corporate expertise and dedicated training insight, so that the employees of the corporate sector can be groomed and updated as per the current need of the industry.

The country sincerely needs skilled employees, managers, and leaders in the industries. The CCET has been created with the sole purpose of developing skills and knowledge in the service and corporate levels. The CCET understands business and is equipped with the right resources, knowledge of skills and tools required to train executives to face challenges and meet opportunities at the workplace across various sectors like Steel, Power, Mining, Manufacturing, Telecom, Logistics, and Services Industries.

The CCET is an autonomous center of OPJU. Its programs provide essential skill sets that promote corporate competitiveness while, at the same time, helping to fill available employment niches with highly qualified workers.

It facilitates executive education, customized curriculum development, industry friendly environment, management development, industry-institution collaboration, corporate consultancy, and related research activities.

Apart from up-to-date self-learning study materials and designing industry linked curriculum the center also carries out scientific evaluation as well as takes multimedia approaches in diverse flexible trans-disciplinary systems of corporate education delivery.

Mission

The mission of CCET is to provide best quality and result oriented education and training solutions to the corporate in a cost-effective manner to enhance the working performance of the employees.

What We Do?

To ensure corporate excellence at work place, CCET has the following objectives:

a. Customized Curriculum Design and Executive Development
   - Future-oriented industry-based programs and practices
   - Employees friendly study material
   - Emphasis on live industrial problems and case studies
   - Regular lectures and mentoring by industry practitioners
   - The adequate amalgamation of liberal arts and soft skills
   - Summative evaluation
   - Multimedia learning technologies
   - Flexible / Distributed learning systems
   - Effective learning programmes
   - Diverse nature of programmes
   - Opportunities for internship
b. Management Development
   - Leadership skill Development Programmes
   - Change Management Programmes
   - Team Building Programmes
   - Time & Stress management programmes

c. Induction Program: New Employees or New Roles
   - Campus to Corporate
   - Positive Thinking and Team work
   - Adaptability and Change management
   - Communicating effectively
   - Personal SWOT and Goal Setting

d. Competency Development Program: Career advancement or Promotion
   - Creativity & Problem solving Skill
   - Verbal and Non-verbal Skill
   - Communication Skill
   - Analytical & Numerical Skill

e. Industry-Institution Collaboration
   - Forum for experience and best practices sharing
   - MDPs for the industry
   - Curriculum development
   - Internships for students
   - Resources sharing
   - Project consultancies
   - Organizing events and activities

f. Research Activities
   - Industry-based contemporary research
   - Institution faculty-industrial expertise exchange
   - Guest lectures, seminars & workshops
   - Academic partnership

How We Do?
Centre for Corporate Education and training create a pool of well trained and capable employees at all levels by providing right knowledge, skills, and abilities to trained the employees of the industry. We follow a constant process improvement, having four stages and feedback being the constant activity at every stage.

a) Training Need Analysis:
Identify what areas of knowledge or behaviors that training needs to accomplish. Carry out initial information gathering on overall capacity and to identify the potential barriers to training effectiveness, before moving on to specifying the training needs.

b) Method/Process Development:
Based on SMART pattern, establish learning objectives in conjunction with the client before moving on to training design.

c) Delivery:
Based on type of training programmes, we deliver quality service in classroom mode both at Institute and Client site and on-line mode.

d) Evaluation:
We regularly monitor to improve the standards of programme based on summative assessment from the employee.
### Importance of Metallurgy in Steel Industry  
**Duration:** (12 days)
- Challenges and Opportunities in Iron and steel sector, Basics of thermodynamics and kinetics, Phase Transformations, Basic concept of Mineral Dressing, Physical metallurgy of steel, Basics of Heat treatment, Raw materials for iron making and its properties, Alloy design and its attributes, Computational tools for alloy design, Metallurgy of Rail Steels
- Study of Iron making through Alternative routes (Rotary Kiln), Basics of Corrosion behaviour of steel and its control, EAF process of Steel Making, Secondary steel making process, Degassing Techniques, Transport phenomena concepts in steel making
- Basics of metal joining of steel, Production of Iron and Steel Castings, Details of Hot and Cold Rolling, Material Characterization, Quality and specification of steel grades, Overview of power plant.

### Metallography and Material Characterization  
**Duration:** (2 day)
Metallography procedures, Sample cutting, cleaning and polishing, Polishing papers and cloths, Material Characterization Tools, Microstructural characterization, Mechanical Characterization, Chemical Characterization, Physical Characterization, Quality and Inspection.

### Metallurgy for Non-Metallurgists  
**Duration:** (1 day)

### Corrosion Control and Prevention  
**Duration:** (1 day)

### Mechanical Maintenance for Electrical Engineer  
**Duration:** (1 day)
- Tightening: Methods, Sequence of tightening, recommended tightening torque values.
- Lubrication: Select the right lubricant, The right lubrication method and amount, Terminology, Properties, Test procedures.
- Alignment Theory and Practice: shaft alignment, Types of couplings, Types & Signs of misalignment, Measuring misalignment, Pre-alignment steps, Soft foot, Usage of shims, Alignment of shafts.
- Bearings– Theory, Practice and Maintenance: Types, selection, nomenclature and terminology, Types and techniques used for Mounting and dismounting of bearings, Industrial practices for Bearing Care, Safety during bearing mounting, Do’s and Don’ts of bearing usage and handling, Lubrication of bearings
- Fault Finding: Principles of diagnosing mechanical faults, Identify the types of deterioration in plant machinery, Use condition monitoring techniques to diagnose and predict operation failure, Perform pro-active maintenance to improve plant productivity, Equipments used for Condition Monitoring such as Vibration Measurement Device, Stroboscope, Industrial stethoscope, Laser thermometer, Thermal Camera.

### Hydraulic & Pneumatic systems - Theory, Practice and Trouble-shooting  
**Duration:** (2 day to 5 day)
- Direction control valves: Direct operated, pilot operated, Performance evaluation and testing of Hydraulic pumps, Relief & DC valves, solenoid valves, proportional valves and servo valves, electro-hydraulic/pneumatic circuits, Safe operation, maintenance and troubleshooting.
Vibration, Noise and Thermography
Duration: (1 day)
- Vibration: Fundamentals, Common Fault Patterns (Imbalance, Looseness, Gearbox, Bearing, etc.), various vibration severity chart, Relating Spectral Information to Faults, Analysis of Best Practices, vibration control techniques.
- Thermography: Thermal imaging: Equipments and Instrumentation, Testing Techniques, basic fault detection, severity assessment, and diagnosis in accordance with established, instructions, Infrared Image and Documentation, Application in power plants and steel plant applications.

Power Plant Familiarization
Duration: (1 day)
- Major equipment’s their specification/capacity.
- Water, coal and ash treatment, Boiler-PF/CFBC/AFBC/WHRB.
- Turbine, Condenser, Cooling Tower, Generator.
- Power plant accessories-Fan (PA,FD, ID), BFP, ESP, Maintenance, Challenges in Plant.

Overview of Pump and Fan
Duration: (1 day)
- Physical principles of a centrifugal pump/Fan
- Pump/Fan systems
- Pump/Fan types, operation
- Main components, Testing
- Condition monitoring

Instrumentation & Control for Power Plant
Duration: (2 day)
- Power Station Instruments: Pressur, Level and Flow Measuring Instruments
- Turbovisory Instruments: Shaft eccentricity, vibration, differential expansion of shaft and cylinder, speed and axial shift.
- Analytical instruments, Combustion quality measurement
- Introduction to control Engg: open loop, feedback control, closed loop, gain, Proportional, derivative, integral control, choosing the controller, interlocks. Boiler Control, Turbine control, final steam pressure control, combustion control, furnace pressure control, mill control, superheater steam temperature control, feed water control, integrated unit control, Automatic control of HP, LP, by pass station.

Basic Automation & Drives
Duration: (1 day to 2 day)
- Basics of Signals, Components of Automation, Communication Protocols, Introduction to PLC & DCS, PLC programming concepts, Introduction to HMI & SCADA.
- Introduction to Electric Motor Drives & its dynamics, Speed Torque characteristics, Selection of a drive for different types of loads, DC motor drive, AC motor drive, Duty cycle, 4-quadrant operation of drive.

Basic Electrical & Switch Gears
Duration: (1 day to 2 day)
- Substation Equipment - Transformer, CT, PT, Circuit Breakers, Isolators, Earthing Switch, Lightning Arrestor, Grounding/Earthing.
Quality Assurance of Civil Engineering Materials
Duration: (3 day)
- Principle quality and standard as per specification, Details of specification, Various testing procedures, Selection of materials for project, Identification of inferior quality materials, monitoring construction procedures, Corrective actions, Reporting and documentation.

Error Free Production & Waste Reduction Management
Duration: (1 day)
- Production and Waste Management, waste reduction tools such as Lean management through cost perspective, Kaizen, Kaizen and People, Kaizen and Innovation. Case study on waste management, practical challenges, How does waste affect the cost of production?, Sensitivity analysis of various constraint for the error free production.
- Kaizen Tools such as PDCA, 5S, 7 wastes, 7 old and new quality dimensions, 5 Whys; Value stream mapping, Visual control and workstation.
- Way of Discussion: Practical implementation of various tools, uncertain data of analysis for various workstation, use of EXCEL for data analysis.

Total Quality Management
Duration: (1 to 2 day)
- Concept of TQM
- Vision, Mission, objective of organization and role of quality
- How quality benefits business
- Quality planning, designing, waste control, Quality and competitiveness in business
- Role of leadership in quality development , Japanese approaches of TQM
- The basic principles of customer orientation and quality
- The quality culture

Quality and Cost Effectiveness
Duration: (1 day)
- Introduction: Quality, Total quality, Total quality management, Quality perspective with reduced cost, Statistical quality control; Case discussion on quality analysis, How can variability be minimized through quality analysis. cost minimization techniques through LPP model with quality constraint.
- Control charts for variables and attributes, Process control and capability, Implementation of Taguchi Method of parameter optimization of finding valuable factors, practical challenges of parameter design with quality attributes, How the various tools can be implemented practically?, How can we use EXCEL for data analysis?

SWOT Analysis in Production/Project Conceptualization/Development of Project
Duration: (1 day)
Basics of SWOT, Discussion of SWOT for project identification and screening purpose, How to implement SWOT for product development. Case discussion on SWOT analysis, How can implement for project selection and identification, Discuss the Analytic Hierarchy Process (AHP) for SWOT for product development.

Quality Assurance of Civil Engineering Materials
Duration: (3 day)
- Principle quality and standard as per specification, Details of specification, Various testing procedures, Selection of materials for project, Identification of inferior quality materials, monitoring construction procedures, Corrective actions, Reporting and documentation.

Basic Computer Skills/Microsoft Office
Duration: (3 day)
- Components of a computer system: Explore Windows Accessories, Customize the Desktop and start menu
- Internet Skills: Internet browser features, Use Search tools, Understand Internet Ethics.
- Communication Skills: basic navigation, email, calendar and course tools.
- Spreadsheet Skills: Format and enhance spreadsheets, create basic formulas & basic charts.
- Database Skills: Format and enhance a database, Create Queries, Sort and filter a database, Create and print Reports.
- Presentation Skills: Create and edit basic PowerPoint presentations, Use template, color schemes, animation, slide transition, Insert images including digital pictures.
## Concept of Project Management
**Duration:** (2 day)
- Fundamental Elements, Environment in which project operates
- The Role of Project Manager, Project Integration Management
- Project Scope Management, Schedule Management, Cost Management
- Quality Management, Resource Management, Communication Management
- Risk Management, Procurement Management, Project Stakeholder Management

## Presentation Skills
**Duration:** (1 day)
- Ice breaking, Setting Your Objectives, Knowing Audience, Focus, Plan, and Convey, Audience Profile
- Building the Structure, Designing & Planning for Timelines, Using Visuals and animation.
- Delivery-Communication & Controlling Nerves: The Three Parts of Communication, Overcoming Your Fears, Thinking Positive, Being Realistic, Taking Control, Sticky Situations, Paying Attention to Your Appearance: Tips to Combat Nerves Nervousness Presentation, Presentation Delivery, Presentation Evaluation

## Business Etiquette
**Duration:** (1 day to 2 day)
- Business communication, Barriers to communications
- Building a professional image, Personality as a tool of business communication
- How to make positive perception, Attitude for managers
- Finding the Leader inside you, Group building, Interpersonal skills
- Understanding Body language, Understanding workplace diversity
- Overcoming Challenges, Understanding Globalization and Workplace politics

## Theory of Constraint
**Duration:** (1 day to 2 day)
- Basic Principles of TOC, Basics Processes of TOC, Types of Constraints.
- The Five Focusing Steps of Managing Constraints.
- TOC Thinking Processes, Purpose and Tools, Integrated Solutions (Drum-Buffer-Rope Management, Market Demand Pull (Replenishment))
- Performance Measurements – Throughput, Inventory and Operating Costs

## Design Thinking and Creative Problem
**Duration:** (1 day to 2 day)
- Implementing design thinking processes and tools to drive innovation
- Transitioning through the phases of inspiration, ideation, and implementation
- Using tools like visualization, mapping, and storytelling to create solutions
- Testing, refining, and improving new ideas, business models, and processes

## Lean Management
**Duration:** (1 day)
Negotiation Skills
Duration: (1 day)

Marketing Skills
Duration: (1 day)
- Know your stuff ..., Nature of sales and marketing, Sales Vs Marketing, Sales and Marketing Strategy, The Sales Process and your role, Finding and Using Marketing Power within You, The power of effective communication, Do’s and Don’ts.
- Know the customer, Creative Thinking, Design Thinking, 22 Immutable Laws of Marketing, Sins of Marketing.

Competency Development Program
Duration: (1 day to 2 day)
- Ice-breaking Self-image, Attitude & Success Behaviour
- Organisational Learning, Employee Loyalty, Ownership & Commitment, and Customer Service Discipline, Team Work and Conflict Resolution,
- The Six-Step Problem Solving Process: Define and Analyze the Problem, Determine the Cause(s) of the Problem, Goal Analysis, Generate Alternative Solutions, Select the Solution, make a Decision, implement the Solution
- Professionalism, Workplace Ethics, Safety and Compliance.

Finance for Non-Finance Executives
Duration: (1 day)
- Understanding corporate financial statements: • Balance sheet • P&L account.
- Analyzing and Interpreting corporate financial statements: Basic analytical tools including ratio analysis.
- Using Cost Information for decision making: • Cost-Volume-Profit Analysis • Budgeting.
- Working capital management and decision making: • Inventory, Recording and Reporting, Cost of Goods Sold, Inventory Costing Methods (LIFO, FIFO, Moving Averages), LCM Rules.

Campus to Corporate
Duration: (3 day)
Goal Setting and Time Management, Confidence Building, Communication Skills & body language, Effective Presentation Skills, Interpersonal & Team Skills, Corporate Etiquettes, Effective Negotiation Skills, Activities & Practice.

Leadership Skills and Time Management
Duration: (2 day)

Team Work
Duration: (1 day)
- Work Teams, when to use teams • Stages of Team Development • Kinds of Teams, Team Autonomy continuum • Special Kinds of Teams • Managing work teams • Work team characteristics • Enhancing work team effectiveness • Team player inventory exercises • TRUST framework • Effective Team Management • Team decision-making tools • Team Building Exercises • Shaping team behaviour • Team Effectiveness - Getting more from your Team • Team Leadership – Building high performance teams.
Emotional Intelligence  
**Duration:** (1 day)  
- Emotional Intelligence Test, Emotions, Emotional Quotient, Does Emotional Intelligence Matter More  
- Than IQ? Can Emotional Intelligence and Success Be Related?, EI Competencies for personal & professional Effectiveness, Enhancing Emotional Quotient

Positive Attitude  
**Duration:** (1 day)  
- Challenges of winning work attitudes and Positive organizational behaviors (what are attitudes, types of attitudes, effects of positive attitudes).  
- Using a positive mental attitude to get what you want (the importance of positive attitude, being a winner, dynamics of success), Transforming negative attitudes  
- Knowing the difference between controllable and uncontrollable  
- Working towards a positive thought process  
- The art of reframing, ingredients of Successful relationships – others and your attitude  
- Paradigm of human interactions  
- The mantra of creating win-win relationships.

Self-Management  
**Duration:** (1 day)  
- Cleaning up: What keeps me from productive work and how can I clean up?  
- Time and self-management tools: How can I organize myself?  
- Work-Life Balance: what is my balance and how can I reach it?  
- Principles and Motives: What drives me?  
- How can I be effective and efficient?  
- Dreams and Goals – What are my personal and professional goals?  
- Goal definition – how can I define my goals and categorize them?  
- Happiness – can it be achieved?  
- Principles and motives – what drives me?  
- Self-motivation – how can I motivate myself?  
- Having fun with unpleasant tasks

Communication Skills  
**Duration:** (1 day to 2 day)  
- Speaking Skill: Speaking- An Overview,  
- Art of Persuasion, Combating Stage Fright, Delivering Just-a-minute Sessions, Effective speaking and Public Speaking.  
- Non-Verbal Communication: Secrets of Body Language  

Basic English Language (Speaking & Writing)  
**Duration:** (2 day)  
- Basics of Communication in English- Listening and Speaking: Introduction to Communication elements and sounds, Listening Skills, J AM, Vocabulary  
- Grammar in Use: Verbs, Articles, Preposition, Tense & Punctuation  
- Oral Communication, Interpersonal Communication: Introducing, Greeting, Role play, Speech, Real life situation communication  
- Written Communication in English: Basics of writing, Sentence Structure, Subject-verb concord  
- Paragraph Writing: Narrative, Descriptive  
- Official Correspondence: Letter, Email, Report

Conflict Management & Interpersonal Skill  
**Duration:** (1 day)  
- Understanding Conflicts: Paradigm, Paradigm Shift, How am I creating Conflict  
- Conflict blind spots: Collusion, How to recover true vision  
- The Solution: Resolving heart of conflict, How can I make things go right?  
- Interpersonal Skills: Awareness (of yourself and others), Empathy for others, Nonverbal cues and body language, Constructive feedback, Being good at team building and at building trust.
### Six-Sigma Approach for Quality Improvement
**Duration: (3 day to 5 day)**
- Overview of Six Sigma Methodology.
- Roles and responsibilities in Six Sigma implementation.
- Identification of Critical To Customer.
- Overview of Six Sigma Project execution.
- Development of Project Team and Charter.
- Types of Data and Statistical distributions.
- Identification of Value-Added and Non-Value-Added activities.
- Stratification methods.

### Train the Trainer
**Duration: (3 day to 5 day)**
- Introduction: Learning Development Process, Workshop Objectives, Agenda, Opening a Training Session
- Development: Kolb Learning Styles Sequencing Learning Activities Organizing a Presentation Effective Visual Aids.

### CSR Training
**Duration: (1 day)**
- Definition of the Term CSR, CSR in Companies Act 2013, CSR Rules in India, CSR Committee and Policy.
- Activities under CSR, Government schemes, Local Area, Need Assessment Survey.
- what is a needs assessment survey? why should you do a needs assessment survey? when should you do a needs assessment survey? How do you carry out a need’s assessment survey?
- FGD and Ethnography, Evaluation and Assessment, Impact Assessment and Reporting, Key Features of FGDs, Skills Required to Conduct FGDs, Major Steps involved in FGDs, Ethnography, Philanthropy and Charity, The Impact and Assessment of CSR activities, Why Is IMPACT Relevant to Business and Stakeholders?, Top companies in India for CSR in 2020

### Emerging Training Topic & Content

#### Data Analytics with Python
**Duration: (5 day)**
- Introduction to Data Analytics and its applications in real world
- Data Repositories-Databases, Data Warehouses, Data Marts, Data Lakes, and Data Pipelines
- Probability and Statistics, Plotting for exploratory data analysis
- Data Extraction Using SQL, Data analysis techniques
- Analysis testing Techniques, Case study, Hands-on practice, Industrial application

#### Big Data Analytics
**Duration: (5 day)**
- Programming foundation with Python
- Hadoop -Ecosystem, Configuration, Administration, Processing data using Map Reduce
- Plotting for exploratory data analysis (EDA)
- Data Handling with NoSQL
- Probability and Statistics, Analysis Testing Techniques
- Dimensionality reduction and Visualization
- Case study, Hands-on practice, Industrial application
Internet of Things
Duration: (5 day)
- Introduction to Internet of Things - Basic Concepts
- Networking and Communication Protocols
- Emergence of Edge Technologies: Fog Computing
- Introduction to IoT and IoT Case Studies
- Introduction to Machine Learning
- Big Data in IoT and its handling using ML
- Hands-on Experiments using Arduino and Raspberry Pi
- Case study, Hands-on practice, Industrial application

Artificial Intelligence, Machine Learning and Deep Learning
Duration: (5 day)
- Foundations for AI and ML and its applications in the real world.
- Supervised machine learning algorithms, Classification and Regression
- Unsupervised learning methods, Partitioned and hierarchical clustering methods and association
- Ensembles methods and Reinforcement Learning
- Convolution Neural Networks
- Auto-encoders and unsupervised learning
- Stacked auto-encoders and semi-supervised learning
- Regularization - Dropout and Batch normalization
- Case study, Hands-on practice, Industrial application

Blockchain Technology
Duration: (5 day)
- An overview of Blockchain and the Fundamental Technologies
- Blockchain 1.0: Bitcoin
- Blockchain 2.0: Ethereum, Ripplenet Enterprise Blockchain Platform and IBM Hyperledger Blockchain Platform
- Applications and use cases of Blockchain in enterprises and government Organizations
- Modeling Blockchain applications
- Chaincode, Chaincode types and smart contract
- Developing and Deploying Chaincode and smart contract
- Testing Chaincode and Debugging smart contract
- Vehicle Manufacture Lifecycle Case Studies, Hands on Lab and Mini Applications for Enterprises.

Cloud Computing
Duration: (5 day)
- The Cloud computing and its essential characteristics
- The cloud service & deployment models
- Impact of Cloud Computing on overall IT Investment and ROI
- Understanding VMs, Networking and Storage in the Cloud
- Explain emerging Cloud related trends including Hybrid Multi-Cloud, Microservices, Serverless, Cloud Native, DevOps and Application Modernization
- Overview of Azure, AWS and Google Cloud Platforms
- Case Studies, Hands on Lab and Capstone Project

Application of AI and ML in Steel Industry
Duration: (5 day)
- Data Mining Approach, R Programming
- Predictive Algorithms, Python Programming
- Predictive Algorithms in Image Processing, Python Programming
- Characterization and Utilization of Fly ash
Partial List of Corporate Trainers

**Dr. R.D. Patidar**  
Vice Chancellor-OPJU  
- PhD in Power Systems and Power Electronics from IIT Roorkee  
- 25+ years of experience in academia and industry.

**Dr. Mahesh Bhiwapurkar**  
Director, Centre for Corporate Education and Training (CCET)  
- Ph.D. in Mechanical Vibration from IIT Roorkee, India.  
- 22 years of Teaching, Industry and Research experience.

**Dr. Shesadev Nayak**  
- Ph.D. in Management.  
- 28 years rich Industry and Academics experience.

**Dr. Prashanth S. Bokare**  
- PhD in Traffic Engineering from IIT Guwahati  
- 32 years teaching and industry experience.

**Dr. Ashok K Srivastava**  
- Ph.D. from the Department of Metallurgical and Materials Engineering, IIT Kharagpur, India.  
- 15 years teaching and research experience.

**Dr. Siddharth C hakrabarti**  
- PhD in Mechanical Engineering IIT-Kharagpur  
- 20 years of Industry, Academic and Research experience

**Dr. Ashok Kumar B hansali**  
- PhD in Computer Science and Engineering  
- 25 years of teaching and industry experience

**Dr. Sanjay Kumar Singh**  
- PhD in English with 16 years of teaching and training experience  
- Recipient of 'Dr. SRK National Teacher Award' and 'Vidya Ratan Award of Research Excellence'

**Dr. Trinath Talapaneni**  
- PhD in Process Metallurgy, National Institute of Technology, Rourkela  
- 5 years of teaching and research experience

**Dr. M. Kalyan Phani**  
- Ph.D in Materials Engineering from HBNI, Indira Gandhi Centre for Atomic Research (IGCAR) Campus, Kalpakkam, Tamil Nadu.  
- 10 years of Teaching and Research experience.

**Dr. Vatsala C haturvedi**  
- PhD in Foundry Technology from MNIT Jaipur  
- 5 years of teaching and research experience
<table>
<thead>
<tr>
<th>Name</th>
<th>Qualifications</th>
<th>Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Saket Jeswani</td>
<td>PhD in Human Resources from CSVTU, Bhilai</td>
<td>15 years of teaching and industry experience</td>
</tr>
<tr>
<td>Dr. Tanweer Ahmad</td>
<td>PhD in Industrial Engineering and Management from IIT Dhanbad</td>
<td>10 years of experience in teaching and industry</td>
</tr>
<tr>
<td>Dr. Mukesh Desai</td>
<td>PhD in Industrial Engineering and Management from NIT Raipur</td>
<td>18 years of experience of teaching</td>
</tr>
<tr>
<td>Dr. Rekha Sharma</td>
<td>PhD in Accounts and Law from Dayalbagh University, Agra</td>
<td>14 years of teaching experience</td>
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<tr>
<td>Dr. Pradeep Chauhan</td>
<td>Certified Embedded trainer in IOT, Computer Vision.</td>
<td>13 years of rich experience in industry and academic.</td>
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<tr>
<td>Prof. Akash Pandey</td>
<td>Pursuing Ph.D from NIT Jamshedpur, M.Tech in Thermal Engineering from NIT Rourkela</td>
<td>10 Years of teaching and industry Experience.</td>
</tr>
<tr>
<td>Dr. Sandeep Biswal</td>
<td>PhD in Power Systems from NIT, Raipur</td>
<td>5 years of teaching and industry experience</td>
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<tr>
<td>Prof. Asim Danpat</td>
<td>Pursuing PhD in Computer Science &amp; Engineering from NIT Patna,</td>
<td>11 years of teaching and industry experience</td>
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<tr>
<td>Dr. Mahendra Kumar Shrivas</td>
<td>PhD in Block Chain Technology from Central University of Nicaragua, Central America, SMIEEE (USA)</td>
<td>14 years of teaching and industry experience</td>
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<tr>
<td>Dr. Deepak Singh</td>
<td>Ph.D. in Electronics and Communication, NIT Rourkela</td>
<td>13 years of experience in academia, industry, and administration.</td>
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<tr>
<td>Dr. Adil Khan</td>
<td>PhD in Management (Marketing) from Aligarh Muslim University</td>
<td>3 years of teaching and industry experience</td>
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