



2023-24

SCHEDULE OF TRAINING & DEVELOPMENT PROGRAMMES



ESCI



IEI

Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)

IMS ISO 9001:2015, ISO 14001:2015, ISO 50001:2018, ISO 45001:2018 & ISO/IEC 17025:2017 Certified, AICTE & CEA Recognized Institution



8 Times Winner of
**Golden Peacock
Awards**



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Vision

To position ESCI as an outstanding provider of continuously evolving global market responsive trained professionals in the field of engineering and technology, research & development engineers and techno-management professionals dedicated for excellence to deliver innovative solutions that will improve productivity in all sectors of the economy

Mission

To provide qualitative education, training and applied research in the fields of technology and management. To assist the engineering fraternity to be innovative and advanced to meet the challenges in the unbounded world of tomorrow and to be the front line interface between academia, research, industry and other sectors in advanced engineering/technological application and key enabler in fostering high and thrust area programmes.

Genesis

The world's largest multi-disciplinary engineering professional body "The Institution of Engineers (India)" was established in the year 1920 and incorporated by the Royal Charter of England in the year 1935. To update the knowledge of professionals in frontier areas of engineering, science, technology and management, The Institution of Engineers (India) established "Engineering Staff College of India" in October 1981 at Hyderabad.

The primary objectives of ESCI are to impart need based Continuing Professional Development Training Programmes, simultaneously providing consultancy & technical services to the Industry, academics and research & development in all the frontier areas of Engineering, Science & Technology and Management fields. ESCI's operations are firmly grounded (rooted) in its desire to act as a bridge between Academic Institutions, Industry and R&D laboratories and increased availability of latest know-how and expertise to engineering professionals and managers in all these sectors. ESCI also acts as a catalyst in transformation of knowledge and skills from veterans to young generation who have stepped into the industry directly from academics. ESCI, as a unique center for promotion of quality training and professional excellence has been fulfilling this role in today's fast changing technological world around us.

ESCI has completed more than three decades of its glorious service to the nation in imparting Quality Training & Professional Excellence to the Engineers, Scientists, Techno-managers in the areas such as: Centre for Climate Change, Civil / Transportation Engineering, Environment Management, Information Technology, Management & Technology, Power & Energy, Quality & Productivity, Water Resource Management Design Prototyping Centre, Mining, Faculty Development and Skill Development, besides providing Consultancy Services to the Industry and Government Departments.

Philosophy & Objectives



From the President

Er. Chinmay Debnath, FIE
The Institution of Engineers (India)
Kolkata



I am happy to note that Engineering Staff College of India (ESCI) - an autonomous organ of the Institution of Engineers (India) is bringing out the Annual Training Calendar for the FY 2023-24.



The Institution of Engineers (India) (IEI) established in 1920 and incorporated by the Royal Charter in 1935, is the premier engineering professional organization in the country, having a membership base of over 2.4 Lakh corporate members. The IEI conducts its business through its Headquarters located in Kolkata, 125 Centers located throughout the country, six Overseas Chapters, seven Fora and an organ. The Institution of Engineers (India) is a member of several world bodies representing engineers and has bilateral relationships with many engineering professional bodies across the globe.

Being recognized as a Scientific & Industrial Research Organization (SIRO) by the Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India, IEI promotes the cause of research and development by providing Grant-in-Aid support to Undergraduate, Post Graduate Students and Ph.D. Research Scholars of Engineering Institutions and Universities.

The Engineering Staff College of India (ESCI) was established by the Institution as its autonomous organ in 1981 in Gachibowli, Hyderabad. ESCI has been playing a dominant role in advancement of learning, continuing education and training in engineering including emerging technologies at national and international levels.

ESCI's mission is to provide quality education, training, mentoring and undertake applied R&D in the disciplines of technology and management to assist the engineering fraternity to be innovative and advanced to meet the challenges in the unbounded world of tomorrow. ESCI intends to be the front-line interface between academia, research, industry and other sectors in advanced Engineering and Technology application as well as a vital enabler in supporting thrust area programmes. ESCI has served the nation for over four decades, providing Quality Training and Professional Faculty & Skill Development programmes. It also offers consulting services to industry and government departments.

I am certain that the Annual Training Calendar for the FY 2023-24 will be useful for engineering professionals.

Er. Chinmay Debnath, FIE
President, IEI



FOREWORD



Dr. G. Rameshwar Rao, FIE
Director, ESCI



The Engineering Staff College of India (ESCI) is an autonomous organ of India's largest body of professional engineers 'The Institution of Engineers (India)'. ESCI was established in the year 1981 with the mandate of providing quality training and education in Engineering and Techno-management domains.

ESCI as an outstanding provider of continuously evolving global market responsive trained professionals in the field of Engineering and Technology, Techno- Management Research & Development Engineers (RD) and Techno-management professionals dedicated for excellence to deliver the innovative solutions to improve productivity in all sectors of the economy. The very nature of engineering is changing due to rapid digitization and this in turn necessitates learning new skills. The rapidly changing technology environment now requires flexibility which means that an engineer needs to change his core engineering path more than once during his career as a static engineering degree may not have much value.

Today's engineers also need to have emotional intelligence, learn presentation and negotiation skills and cope with stress. They must be able to work in and with a team. Capabilities like strategic planning, risk management and critical thinking which used to be part of management studies are being added to an engineer's training menu. Thus learning and adapting to newer skills and technologies every day along with enabling and leading teams of non-engineering stakeholders, the engineers of the future are charting a new course.

ESCI has the privilege of carrying out various prestigious World Bank assignments including programs for international organizations like UNESCO, UNICEF, FANSA in India and abroad. ESCI is at present one of the Key Resource Centers (KRC) for training activities of the Central Electricity Authority, Ministry of Road Transport and Highways, Ministry of Rural Water Supply and Department of Science & Technology and Jal Jeevan Mission of Ministry Jalshakthi GOI. About 300 to 400 open and in-house programs are being conducted every year. On an average 7000 engineers / managers from Government, R & D, Public and Private Sectors, Educational institutions are trained at our campus.

ESCI played an active part in the Central Government's efforts to achieve national mission objectives in Swachh Bharat (AMRUT), Rural Water Supply & Renewable Energy (Solar Photo Voltaic) and initiatives in



Skill Development. Our Institute is venturing into emerging technologies such as Additive Manufacturing, Climate Change (Carbon foot prints), Intelligent Buildings, Information Security, Green Energy, Smart Grid, Block-Chain, IoT, AI, Unmanned Autonomous Vehicles, and ISO Accreditations. Our Faculty Development Programmes (FDP) focuses on accreditation and proficiency development of TEQIP Institutions.

We are happy to inform that the Annual Schedule of Trainings for the year 2023-24 focuses on CPDPs which combines different methodologies to learning such as training workshops, conferences & events, e-learning programs, best practice techniques & sharing of ideas, visits, outbound training and educational tours all focused for an individual to improve and have effective professional development. ESCI is the only institute in Asia, imparting such training in almost all engineering, scientific and management domain under one roof.

To bridge the gap between industry and academics ESCI is conducting AICTE approved PGDM courses. The aim is to empower students with necessary skills for professional growth and to design their career in a structured manner.

ESCI wishes to be an active partner in new emerging ventures like ATMANIRBHAR BHARAT, VOCAL FOR LOCAL and other contemporary schemes of Government of India. It also encourages the trainees to think innovatively out of the box which would be applied in their own field for the development of our country in general and in their own sphere of activity in particular.

Before I conclude, I would like to inform that ESCI provides consultancy services to suit the requirements of clients in all engineering and management disciplines. ESCI's group of thoroughbred consultants with their proven expertise executes these assignments and co-opts experts on need basis.

We wish that our Schedule of Trainings for the FY 2023-24, will help you and your organization as ready reference in sponsoring your staff for respective training programs for upgrading and acquiring requisite knowledge and skills which in turn improves efficiency in output of their work contribution to your organization.

Dr. G. Rameshwar Rao, FIE

Director ESCI





1. Centre for Climate Change (CCC)

- (a) The primary objective of the CCC is to promote awareness on climate change perspectives in diversified domains of environment, social and development sectors. Aims to build capacities through consultative / training workshops, round table discussions, symposiums, conferences and action research studies. Further encourages innovation through incubation facility. Promotes synergy through institutional collaboration and partnership.
- (b) Further, focus on mainstreaming principles & practices of climate adaptation and mitigation through multi-disciplinary approaches. Encourages participants to enable to develop "Implementation Manual", as part of the training course. Promotes a special focus on mainstreaming disaster risk reduction as an integral part of planning and development.
- (c) CCC emphasizes on sustainable indicators & goals, the establishment of measurable indicators towards a way forward in climate adaptation & mitigation. Extends advisory consultation services and studies.
- (d) Areas of intervention:
 - (i) Mainstreaming of disaster risk reduction
 - (ii) Climate-resilient cities
 - (iii) Climate change - urban lakes and restoration & management
 - (iv) Urban flash floods and forecasting techniques - climate change
 - (v) Prompting climate resilient industrial estates/parks
 - (vi) Water - Energy & climate change
 - (vii) Climate adaptation - relevance of urban open green lung spaces
 - (viii) Impact of climate change on human health
 - (ix) Identification & establishment of sustainable indicators
 - (x) Waste management and its relevance with Climate Change
- (e) Prompting climate resilient industrial estates/parks
 - (i) Water – Energy & climate change
 - (ii) Climate adaptation – relevance of urban open green lung spaces
 - (iii) Impact of climate change on human health
 - (iv) Identification & establishment of sustainable indicators

- (v) Waste management and its relevance with Climate Change

2. Civil / Transportation Engineering (CTE)

Civil/Transportation Engineering Division offers professional training in the areas of Construction Management, Pavement Technologies including Urban and Rural Road Technologies for PMGSY Projects, Transportation Management, Road Safety Management, Traffic Management, Project Management in Constructions Projects, Contract Management including Arbitration and Dispute Resolutions etc.

The key areas are Pavements, Highways, Seaports, Bridges, Airports, Public Transit Systems, Roads, Railroads, etc.

Area of Expertise:

- (a) **Government Sectors :** CTE has imparted training for various Government Departments like Roads and Buildings, PWD, Municipal Corporations, Panchayat Raj and Rural Development Authorities, Ports, Housing Boards, GHMC, Chhattisgarh Housing Board, CIDCO, Rites, NRIDA, SCCL, Railways and Military Engineering Service, Border Road and Defense Studies.
- (b) **In-house Training :** CTE also organized In-House training programmes to both Public and Private Sectors, State Tourism Development Corporations, NBCC, LIC, DSIIDC, Jindal Steels, Hindustan Petroleum Corporation Ltd., SEW Constructions, Meenakshi Group, Ramky Group, Lanco Infra, Aparna Constructions & Estates Pvt. Ltd., ONGC, ISRO and Indu Projects, etc.
- (c) **International Exposure:** As part of the promotion of training amongst member countries of International Network for Professional Engineers Development Institutes (INPEDI), training programmes on "Maintenance of Infrastructure" is being conducted by the division on a regular basis both in India & abroad under 'UNESCO' contribution.
- (d) **Consultancy:** A number of consulting works were taken up for Government Departments, Public Undertakings, Housing boards & Private Organizations on Destructive, Non Destructive Testing, Quality Control & Quality Assurance Assessment, Sustainability of Buildings, Roads, etc.



3. Design Prototype Centre and Mechanical (DPC&M)

Design Prototyping Centre & Mechanical Division is a Technology Demonstration Centre (TDC) with a mandate to spread Emerging Technologies among students, academicians, scholars, working professionals and technology enthusiasts. The Centre functions as a Facilitator, Coordinator and Collaborator for conducting Training Programs, rendering Technology Services, organizing R&D and Engineering Consultancy Projects.

The Centre expanded its wings to include areas such as Digital Manufacturing - Additive & Subtractive, Reverse Engineering - 3D Scanning & 3D Printing, Robotics - Humanoid, Industrial and Application, Drones & RC Planes, Mechatronics, Digital Electronics, Product Design & Development, Design Analysis & Optimization, Rapid Prototyping, Mechanization & Automation, Design, Prototyping.

Design & Prototyping Centre (DPC) at ESCI is a new initiative which is set up to foster design and development skills among young engineers and technologists. Engineering Staff College of India, ESCI and EOS e-Manufacturing Solutions jointly established "Design & Prototyping Cell - Technology Demonstration Centre (DPC-TDC)" at ESCI on April 9, 2015. The Centre was inaugurated by the Chief Guest Mr. Rajanish Prakash, Chairman, Chief Executive, Heavy Water Board, Mumbai; Mr. Terence Oh, Vice President, EOS Asia Pacific was Guest of Honour.

4. Environment Management (EM)

EM Division imparts chalk-talk and practical oriented training programmes with real-time case studies in the domain areas of Water Supply and Sanitation, Septage Management, Environment Monitoring, Waste Management and Environment Data Management etc... Continuing Professional Development Programmes are conducted every year for the officials of Ministries, Regulatory Boards, Government Departments, Public Sectors, Industries, Academics and other Stakeholders. Need-based Specific Training Programmes for organizations like CPCB, NMDC, ONGC, MoUD, MoHUA, MoEFCC and ULBs etc. are also conducted.

Area of Expertise:

- (a) Environment Monitoring: Air Pollution Monitoring & Modelling, Water Pollution Monitoring & Modelling, GIS, GPS & RS Applications, Environmental Data Management & Environmental Sustainability.
- (b) Waste Management: Solid and Liquid Waste, Bio-Medical, Plastic, e-Waste, Construction & Demolition and Hazardous Waste.
- (c) Water Supply & Sanitation: Water Supply System, Water Audit & Leakage Control, Instrumentation, SCADA, RS & GIS applications, Underground Sewerage System, Sewage Treatment Plants, Storm Water Drainage, Recycle and Reuse of Waste Water, Membrane Based Waste Water Treatment Technology, CETPs, Fecal Sludge Management, Detailed Project Report, Contract & Tendering and Service Level Benchmark etc.
- (d) Environmental & Social Issues: Environmental Impact Assessment, Environmental Management Plan, Environmental Legislation, Environmental and Social Impact Assessment, Rehabilitation & Resettlement and Environmental and Social Framework etc.
- (e) Government Missions: AMRUT, SMART CITY, SWACHH BHARAT, HRIDAY, PMAY-HFA, NULM, Social Livelihood, SM&ID, EST&P, SUP and SUH etc.

Ministry of Housing and Urban Affairs, GOI empanelled ESCI as a Training Entity to execute the Capacity Building Programmes to strengthen capacities of Urban Local Bodies, states & other stakeholders for efficiently rolling out Urban Flagship Missions (AMRUT, Smart Cities, HRIDAY, Swachh Bharat Mission, PMAY & NULM etc.) in the areas of Engineering, Public Health, Town Planning & Urban Social Aspects through Environment Management Division of ESCI. Accordingly, Environment Management Division has already concluded MoUs with the concerned authorities of the State Governments of Telangana, Tamil Nadu, Andhra Pradesh, Chhattisgarh, Chandigarh, Jharkhand, Uttar Pradesh, Puducherry, Haryana, Mizoram, Madhya Pradesh and Meghalaya. Capacity Building Programmes have already been taken up under Capsule-1, Capsule-2 & Capsule-3 in the areas of Engineering & Public Health and Town Planning for engineering officials of ULBs as well as Elected Representatives. We have trained more than 2500 participants across various states. Consultancy assignments in areas relating to Energy Auditing, City Sanitation Plan, EIA and Urban Water Supply and Sanitation, Preparation of DPRs for Construction of STPs etc. are also taken up by this division.



5. Information Technology (IT)

IT Division offers highly focused and advanced practically oriented training modules in diverse areas of Information Technology. It also amalgamates the new concept of the Internet of Things (IoT), and Data Science. The training programmes are the growing needs of IT professionals in the areas of IT Infrastructure Service (ITIS), Cloud Computing, Software Development, IT Applications, Cyber Security, and Data Analytics.

Key Domain Areas are

- (a) **IT Infrastructure Service (ITIS):** System Administration, Network Administration, Wireless Technology, Windows Administration, Linux Administration, Oracle Database Administration, Oracle Data Guard, Database Security, Mail Server Administration, Apache Web Server Administration, Storage Area Networks, VMWARE, Cloud Services using AWS / Open stack / Microsoft Azure.
- (b) **Software Development & IT Applications:** Web Development using PHP & MYSQL, ASP.NET, HTML5 & CSS3. Enterprise Application Development using JAVA, Mobile Application Development using - Android Studio, IOS, Software Testing & Quality Assurance, Oracle 12C / 19C forms and Reports, ERP related Training programs in SAP (BASIS, FICO, HR, MM, HANA). IT Applications like MS Office 2016, MS Project 2016 and Oracle Primavera.
- (c) **Cyber Security, Data Analytics & IoT:** Cyber Security Best Practices, Cyber Defence Tool, Digital Forensic Investigation, Mobile Security, Wireless Security, Security Audit, Information Security Management System (SMS) Lead Implementer (ISO 27001: 2013), Data Analytics Using MS Excel, R tool, SPSS, Hadoop & Spark tool Artificial Intelligence, Machine Learning. Embedded Systems, Robotics, and Internet of things (IoT).

6. Management & Technology (M&T)

ESCI has the core competency to conduct Continual Professional Development Programmes (CPDPs) and Customized Training Programmes in various disciplines under Management and Technology.

Key Domain Areas are

(a) Management:

- (i) **Soft Skills/Life Skills :** Programmes on Personality Development which includes

Communication & Presentation Skills, Interpersonal Relationships and Emotional Intelligence, Team Building & Leadership Skills, Stress Management, Holistic Wellness, Organizational Behaviour, etc.

- (ii) **Techno-Management Programmes :** General Management, Human Resource Management, Financial Management, Operations Management, Marketing Management, Customer Relationship Management, Material & Supply Chain Management, Technology Management, Project Management, Knowledge Management, ERP, Artificial Intelligence, IoT, Block Chain etc.

(b) Technology:

Technological Programmes in Supercritical Technology, Welding, NDT Techniques, Corrosion & Surface Engineering, Paintings, Vibrations, Balancing of Heavy Rotating Machinery, Condition Monitoring, Pumps, Heat Exchangers, Pulverizers, Tools and Cutting Parameters are organized. Programmes in the fields of Aerospace and Avionics Standards on Hardware & Software Standards (DO 254, 178), Systems Engineering, Concurrent Engineering, Composite Materials, Instrumentation and Control Systems etc. are being offered.

- (i) **Training Programmes:** Awareness Programs/Workshops/Certificate Courses/ Diploma & Post Graduate Diploma
 - Product Design & Development (Design & Analysis)
 - PLM Software's (AutoCAD/Revit/Fusion 360/ CATIA/SolidWorks/ ANSYS /Hyper Works)
 - Robotics & AI (Humanoid, Industrial & Application Oriented)
 - Internet of Things (Design & Programming using Arduino & Raspberry Pi)
 - Innovation & Entrepreneurship (Boot / Summer Camps)
 - Management Programs (Assertive Communication/Stress Management/ Conflict Resolution/Leadership & Managerial Excellence/Personality Development)
 - StartUp Management (Professional Training/ Mentoring & Technical Assistance)



7. Mining (Mine)

The Primary Role of this Division is to Develop and Impart Professional Training, Disseminate Knowledge on the Best & Sustainable Practices and latest Developments in Mining Sector.

Area of Expertise:

- a) National Mineral Policy & Mineral Security, Critical Minerals, Rare Earth Elements.
 - b) Resource Estimation & Mineral Economics, Geo - Statistics.
 - c) Advanced Mechanization & Methods of Mining Coal and Metals by Underground and Opencast Technology.
 - d) Mine Management, Legislation
 - e) Geological Models, Mining Plan, Project Report, Environmental Management Plan.
 - f) Environmental Laws, Policies, Impact Assessment, Resettlement & Rehabilitation (R&R).
 - g) Mine Ventilation and Environmental Hazards and Monitoring.
 - h) Sustainable Practices in Mining, Corporate Social Responsibility, Social Impact Assessment.
 - i) Mineral Beneficiation, Conservation & Recycling, Quality Management.
 - j) Green Mining- Coal Bed Methane (CBM), Coal Mine Methane (CMM), Underground Coal Gasification (UCG), Coal to Liquid (CTL).
 - k) Occupational Safety & Health-Hazard Identification, Risk Assessment, and Safety Management Plan & Risk- Based Safety.
 - l) Application of Internet of Things (IOT), Smart Sensors, Artificial Intelligence, Machine Learning, Numerical Modelling.
 - m) Design and Optimization of Drilling & Blasting in Mines, Quarries and Infrastructure Projects,
 - n) Mining Machinery and Material Conveying & Handling.
 - o) Mitigation of Challenges in Operations & Maintenance (O&M) to enhance Efficiency and Productivity.
 - p) Safety Audit and Spot Inspection in Coal and Iron Ore & Limestone Ore Mines in Public & Private Sector
 - q) Optimization of Resources - Energy Audit and Training.
 - r) Concepts of Outsourcing, Contracts & Mine Developer cum Operator.
- s) Visit to Opencast/Underground Mines & Coal Handling Plants.
 - t) Hands on Training on Advanced Surveying like Total Station, DGPS, Drones, LiDaR, 3-D Laser Scanner.
 - u) Mine Planning Software.
 - v) Specific Training Programmes at Site as desired by Mineral/Mining Industry.

8. Power & Energy (P&E)

This division's primary role is in developing and imparting professional training and disseminating knowledge of the latest development in the field of Power Utility Generation, Transmission and Distribution and in the Energy sector, covering best practices in Captive Power Plant and process industries. The key domain areas covered by Power & Energy Division are:

- (a) Power Generation (Thermal, Hydro & Gas):** Power System protection, C&I including PLC & DCS, Best practices in O&M of Power plant equipment, Design and Performance of Heat Exchangers, Pumps, Coal Pulverizer etc., Condition Monitoring of Power plant equipment, Reliability Centered Maintenance, O&M of Valves and Actuators, Blending of coal, Electrical safety procedures and Statutory Regulatory and Environment issues.
- (b) Solar Power:** Roof Top Solar PV module and other renewable energy generation and integration with the grid.
- (c) Transmission:** O&M of Power transformers and EHT Circuit breakers, Power cables selection, Energy Audit and Loss reduction in T&D system, Open access and Power trading, Smart grid, Protection Control and Monitoring, Substation Automation System.
- (d) Distribution:** Smart Grids and Smart Meters, Digital Energy Meters functions & applications, Statutory Regulatory issues, Pilferage, Electrical safety procedures, Revenue Management, Franchisee Model, O&M of distribution transformers and substations.
- (e) Industry, Oil & Gas:** Design and O&M of equipment like Compressors and drives, Deep drilling Rigs and Oil field equipment, Heat Exchangers etc. in process industries, Petroleum, Refineries and Petrochemicals, safety aspects, Risk based in-service inspection.
- (f) Energy:** Energy Audit and pre-training for Energy Manager Certification test



- (g) **Consultancy:** Providing Consultancy in areas of Power generation, transmission, distribution, Energy sector, Non-renewable energy including grid integration.

9. Quality & Productivity (Q&P)

The objective of the division is to design and conduct training programmes for different sectors to improve the Quality of Products & Services. The courses offered are related to continual improvement in systems, products & processes by applying contemporary Quality improvement tools and methods; provide consultancy support to obtain Accreditation/ Certification; and guide in the implementation of Quality improvement initiative in various organizations and educational institutions. The domain expertise cuts across:

- (a) **Systems:** ISO 9001 Quality Management System, ISO 14001 Environment Management System, ISO 45001 OHSMS Occupational Health and Safety Management System, ISO 50001 Energy Management System, Business Continuity Management System, ISO 22001 Food Safety Management System, ISO/IEC 17025:2017 NABL Laboratory Accreditation, Integrated Management System(IMS), ISO 27001 Information Security Management System, NBA/ NAAC and CE Marking, ISO 37001 Anti-bribery Management System, IATF 16949-2016 (International Automotive Task Force) Standard.
- (b) **Functions:** Training Needs Analysis, HR - Total Quality in HR Process, Purchase - Total Quality in Purchasing, R&D - Total Quality in Vigilance, Laboratory-Calibration, Measurement Uncertainty and Marketing - Measurement of Customer Satisfaction.
- (c) **Quality Management Tools:** 5S for Workplace Excellence, Quality Circles, Lean, Total Productive Maintenance (TPM), 7QC Tools, Bench Marking, Quality and Reliability, TQM, Problem Solving Steps, Six Sigma Green Belt, Industry 4.0, etc.
- (d) **Faculty and Staff Development Programs:** Outcome-Based Education(OBE), NBA-SAR Filling, NAAC Accreditation programs; Student Development Programs, Pedagogy, Research & Entrepreneurship Development.
- (e) **Consultancy Support for Certification and Implementation:** ISO 9001:2015 QMS, ISO 14001:2015, OHSMS 45001 – 2018, ISO/IEC 17025:2017 NABL, ISO 22001, ISO 37001, ISO 50001. "5S, TPM, Resource Optimization, Waste Elimination, Work load levelling, etc.,"

10. Water Resources Development (WRD)

The primary objective of the division is to enhance professional development skills of engineers working in Irrigation, Agriculture, Water Supply and Sanitation Sectors. WRD Division also aims to elevate capabilities and performance levels of engineers for improved delivery levels of engineers in their respective fields.

Areas of Specialization include:-

- (i) Irrigation Sector
- (ii) Water Conservation including Rainwater Harvesting
- (iii) Agriculture including Watershed Management
- (iv) Rural Water Supply including Software Applications
- (v) Sanitation Sector
- (vi) Remote Sensing, GIS& GPS Applications and Total Station
- (vii) Project Management & Contract Management
- (viii) Induction Training for Newly Recruited Engineers

The capacity building areas covered include Integrated Water Resources Management, Flood Computation Management, Dam Safety, Irrigation Systems Management, More Crop per Drop, Watershed Management, PIM, Hydraulic Gates & Hoists, Rural Water Supply & Sanitation, Total Station GIS & GPS Applications, Contract Management etc., are few representative programmes of the division. Participants from Water Resources, Irrigation & Command Area Development, PHED, RWS&S, Agriculture, Irrigation Development Corporations, Ground Water, Housing Boards of various State & Central Government Departments and Government undertakings participate in our programmes. Participants from Nepal, Bhutan, Ethiopia and other developing countries are also represented in our programmes.



1. Centre for Climate Change

All about Climate Change - Health impacts of Climate Change, Economics of Climate Change adaption: Environment & Sustainable Development - Principles and Practices of Source Water Management: need of Rain Water Harvesting-Global Climate Change Impact on Natural Resources Management - Career Opportunities in Climate Change - Green Infrastructure and Greening the Supply Chain - Integration of Environment & Urban Flood Mitigation in Town & City Planning.

2. Civil / Transportation Engineering

- Civil / Transportation Engineering focuses on the planning, design, construction, management, and performance of construction and transportation systems. These systems consist of facilities, buildings, projects, vehicles, data, control mechanisms, new technologies, and policies that combine to permit the efficient transit of people and freight.
Civil / Transportation systems are vitally important for ensuring any region's access to physical, economic, and social resources.
- Construction Management in Construction Industry - Pavement Technologies including Urban and Rural Road Technologies - Rural Road Technologies for PMGSY Projects - Transportation - Management - Road Safety Management - Road Safety & Audit - Traffic Management - Project Management in Construction Industry - Contract Management including Arbitration and Dispute Resolutions.
- 20 days Training programme on Induction Training to newly recruited officers of Military Engineering Services of Civil, Electrical & Mechanical Engineers.
- The capacity building to the Motor Transport Department, Police Department & Municipal Engineers on Road Safety Management & Road Safety Audits, MV Act Enforcement Rules & Regulations, Role of ITS in Road Safety Management through Ministry of Road Transport & Highways (MORTH), Government of India.
- Design, Construction & Maintenance of Minor Bridges, Culverts, Long Span Bridges to Designers, Construction Engineers & Project Managers in different Government departments through National Rural Infrastructure Development Agency (NRIDA), Government of India.

3. Environment Management

Recognizing the needs of Ministries, Government, Public sector, Industries, Regulators and other stakeholders on Environment Sustainability, Environment Management Division can impart the following need-based training programmes at on-campus (or) off-campus.

- (a) Environmental Impact Assessment and Environment Management Plan - Environment Monitoring (Air pollution, Water pollution, Continuous Emission Monitoring System) - Environment Legislations Linux Administration.
- (b) GIS Application in Environmental Data Management - Sewage Treatment Plant Process CPHEEO Manual - Septage Management - Underground Sewerage System.
- (c) Water & Waste Water Supply System - Service Level Benchmarks for Water Supply, Sewage Management, Solid Waste Management and Storm Water Drainage.
- (d) E-governance, e-tendering - Detailed Project Report, Contract Management and Tender Documents
- (e) Smart Cities, Swachh Bharat - Swachh Survekshan. Atal Mission for Rejuvenation and Urban Transformation (AMRUT) and Pradhan Mantri Awas Yojana (PMAY) Housing for all
- (f) Waste Management (Biomedical, Solid, Hazardous, Plastic, e-waste and Construction & Demolition waste)
- (g) Social Impact Assessment - Resettlement and Rehabilitation - Forest clearance process.
- (h) Environment and Social Management Framework - Green Building - Public-Private Partnerships.
- (i) Faecal Sludge Treatment Process.
- (j) Water & Waste Water auditing

4. Information Technology

- (a) System Administration - Network Administration - Wireless Technology - Windows Administration
- (b) MS SQL Server 2019 - Oracle Database Administration - Oracle Data Guard, Database Security
- (c) Mail Server Administration - Apache Web Server Administration - Storage Area Networks
- (d) Cloud Services using AWS / Open stack / Microsoft Azure
- (e) Web Development using PHP & MYSQL, ASP.NET, HTML5 & CSS3, Angular 8 - Enterprise Application Development using JAVA - Mobile Application Development using - Android Studio, IOS - Software Testing & Quality Assurance - SAP (BASIS,



HANA FICO, PS, SCM, HR, MM) - IT Applications like MS Office 2016 - MS Project 2016, Oracle Primavera, Jira Agile.

- (f) Industry 4.0 - Internet of Things (IoT), Artificial Intelligence, Machine Learning, Blockchain Technology, IoT Data Analytics (IoTDA), Robotics, Cyber Security - Digital Forensic Tools - Mobile Security, Wireless Security - Security Audit - Data Analytics Using MS Excel, R tool, SPSS, Hadoop & Spark tool, and Embedded Systems.

5. Management & Technology

- (a) What Employer Should Know about Labour Laws (Provisions related to Acts / Laws)
- (b) Level – I, II & III Certification Programmes on various NDT Techniques.
- (c) Technology and Advances in Metal Working (Forgings and Forged Products)
- (d) NDT for Failure Analysis of Castings, Forgings, Weldments and Tubes (NDT Methods (UT, LPT & MPI).
- (e) Metallurgical aspects for production and quality control professionals.
- (f) Warehousing and Stores Management for professionals
- (g) Business drafting skills and enhancing communication and presentation skills for various organizations.
- (h) Conflict Management, Problem Solving and Decision Making Skills for Contract Management.
- (i) Project risk management & assessment for engineers, officers and scientists.
- (j) Enhancing Managerial Excellence of Engineers & Executives.
- (k) Student Internship Programmes for Engineering Colleges.

(i) Consultancy Projects:

- Failure Analysis of products by Welding & NDT techniques
- Student Projects (BTech/MTech/Scholar)
- Industrial Design & Prototyping
- Value Engineering/Value Analysis/Automation
- New Product Design & Development
- Question paper setting for competitive exams

6. Mining Engineering

- Drilling & Blasting
- Design & Slope Stability Monitoring
- Optimization of Resources in Opencast Mines
- Design of Haul Roads

7. Power & Energy

- (a) Effective Material Mgmt. System & e-Procurement
- (b) Power Cable Selection, Testing & Maintenance, Installation, Fault Finding, Protection
- (c) PAT Mechanism in Power Plants
- (d) Distribution Equipment Cabling
- (e) Accident Prevention & Observation of Safety Rules
- (f) Design, Installation, O&M of Underground distribution Lines
- (g) Energy Efficiency in Pumps, Fans, Compressor & Refrigeration System & Motors
- (h) Open Access, Power Trading and Tariffs – ABT Scenario
- (i) Switchgear & Protection of Generator & Transformers of Large Power Station
- (j) Earthing Practices in Electrical Installations and Safety Precautions
- (k) Efficiency Improvement in Distribution, O&M of Distribution Transformers
- (l) Static and Digital Energy Meters.
- (m) Rewinding & Retesting of Transformers upto 5 MVA. The Theory with hands-on training in a manufacturing plant.
- (n) Gas Turbine Maintenance
- (o) Power Grid Management
- (p) Plant Performance and Optimization.
- (q) Boiler Water and Cooling water chemistry and corrosion control.
- (r) ST & GT Governing system.
- (s) Flexibilization of Thermal Power Plant.

8. Quality & Productivity

Recognized Certification Programs (Transition / Internal / Lead Auditor Training):

- (a) ISO 9001:2015 Quality Management System - ISO 14001:2015 Environment Management System -
- (b) ISO 45001 OHSMS Occupational Health and Safety Management System - ISO 50001 Energy Management -
- (c) AS 9100 D (QMS Requirements for Aviation, Space and Defence Organization) - IAQG Maturity Model - Food Safety Management System - ISO ISO/IEC 17025:2017 NABL Laboratory Accreditation - Integrated Management System (IMS) - Uncertainty Measurement - ISO 27001 Information Security Management System - ISO 50001 EMS - Energy Management System.
- (d) ISO 37001 – Anti-Bribery Management System
- (e) Japanese Quality Systems such as:
- (i) Just in time Operational Excellence



- (ii) Total Productive Maintenance
- (iii) 5S for workplace excellence
- (f) ISO 22001-2018: Food Safety Management System Awareness Documentation & Internal Audit.
- (g) IATF-16949:2016 – Awareness and Internal Auditor Training for Automotive Industry
- (h) Industrial Safety – Quality Focus
- (i) Value Stream Mapping – Transforming Value Streams for better lead time (j) 7 Quality control Tool for effective QM

Faculty and Staff Development Programs / Workshops:

Outcome-Based Education (OBE) - NBA-SAR Filling
- NAAC Accreditation programs - Student Development Programs - Pedagogy, Research & Entrepreneurship Development.

9. Water Resources Development

i) Programmes related to:

Water Resources Management, Dam Designs, Dam Safety, Flood Management, Micro Irrigation Systems, Canal Automation for Irrigation Management, Participatory Irrigation Management, Operation of Main System of Irrigation Projects, Participatory Ground Water Management, Rural Water Supply & Sanitation, Water Quality Monitoring and Surveillance, Drinking Water Security and Water Safety Plans, Solar Energy for Water Supply & Sanitation, Application of Total Station & DGPS, Project Management.

ii) Training Programmes using Software Applications include:

- (a) Design Analysis of Concrete Gravity Dams
- (b) Irrigation Projects – Canal Automation
- (c) Design and Analysis of Civil Structures
- (d) Planning, Design & Installation of Flow Measurement Structures in Irrigation Projects
- (e) Crop Water Requirements
- (f) Drinking Water Sector
- (g) SCADA Applications in Drinking Water System
- (h) FEM, ANSYS
- (i) EPANET
- (j) Remote Sensing & GIS
- (k) MS Project and Primavera

iii) Other Programmes

- a. In addition to the above programmes WRD Division in partnership with UNICEF is taking up

specific training programmes in Water and Sanitation Sector like Project Implementation Plan for Swajal, Water Security Plan, Water Quality and Surveillance Systems and Retro – fitting of Toilets in Swachh Bharat Mission for Telangana, Andhra Pradesh and Karnataka States.

- b. Further WRD Division is taking up Induction Training for Newly appointed Managers (Eng.) for Hyderabad Metro Water Supply and Sewerage Board, Government of Telangana.
- c. WRD Division also takes up tailor made training programmes as per the specific requirements of the State Governments in Water Resources Drinking Water and Sanitation Sectors.

10. Faculty Development Programme

FDP cell was established to impart training/ consulting and research activities towards World Bank TEQIP Funded Institutions. Programs organized by FDP Cell Enhancement of R&D, Faculty and Staff Development, Enhanced Interaction with Industry, Institutional Management Capacity Enhancement, Institutional Academic Reforms, and Academic Support for Weak Students, Entrepreneurship Development etc. within TEQIP/ Non-TEQIP Engineering Universities and Colleges at National Level. FDP Cell is established to offer our services to the university and technical institutions affiliated to the university as per the provisions of TEQIP III. FDP Cell Offer services in house to benefit a larger number of participants from the same institution. TEQIP III has the option of hiring the services of consultants through BOG approvals. Services could be obtained following Consultant Qualification procedure of the World Bank. We also offer content up-gradation training with collaboration with industry at various venues across the country along with offering Start-Up/ Incubation Programmes & NAAC.

We understand that accreditation by the NBA is mandatory for all institutions as declared by AICTE and UGC. TEQIP III also requires all institutions covered under the Project to obtain accreditation. To begin with, FDP Cell could guide all our benefiting institutions to obtain accreditation by the NBA.

11. Skill Development Centre

National Skill Development Corporation (NSDC) objective is to promote quality skill development by catalyzing creation at large for profit vocational institutions. It provides funding to build scalable, for profit vocational training initiatives. ESCI is also recognized by Ministry of Labor for Skill Assessment. ESCI is recognised under Govt., Agency Category by Ministry of Rural Development, Govt. of India, under the scheme Deen Dayal Upadhyay Grameen Kaushal Vikas Yojana (DDU-GKY) and Received PRN (Permanent Registration Number).



Eight Times Winner of Golden Peacock Awards

2006, 2007, 2008, 2010, 2012, 2021, 2022 & 2023



ISO Certificates...

Certificate of Recognised by Ministry of Power, Govt. of India



- 01 Centre for Climate Change
- 02 Civil & Transportation Engineering
- 03 Design Prototyping Centre & Mechanical
- 04 Environment Management
- 05 Faculty Development Programme
- 06 Information Technology
- 07 Management & Technology
- 08 Mining Engineering
- 09 Power & Energy
- 10 Quality & Productivity
- 11 Water Resources Development
- 12 Project Consultancy



S. No.	Programme Title	Days	Dates
1	Urban Planning, Green Cover and Biodiversity	3	11 - 13 Apr 23
2	Implementing the Net Zero	2	26 - 27 Apr 23
3	Construction and Demolition Waste Management and its relevance with Climate Change	3	03 - 05 May 23
4	Nature based solutions for sustainable development	3	16 - 18 May 23
5	Convergence for Synergy: One day workshop on SDG Goal 13 - Climate Action	1	23rd May 23
6	Ecology and Biodiversity	3	19 - 21 Jun 23
7	Corporate Capacity Development Programme on Sustainability	2	13 - 14 Jul 23
8	Carbon Markets post Cop26	3	26 - 28 Jul 23
9	Coastal zone Management and Monitoring with remote sensing applications including CRZ 2018 draft notification	3	16 - 18 Aug 23
10	Climate change, Public policy and governance-mitigation & adaptation	3	29 - 31 Aug 23
11	Application of Bio- Engineering Technologies for Waste Water Treatment in Nalas, Drains And Canals	3	13 - 15 Sep 23
12	Agroecology and organic farming	2	20 - 22 Sep 23
13	Climate change and its impact on public health	3	16 - 18 Oct 23
14	Sustainability Auditing of Urban Lakes Restoration and Management.	3	25 - 27 Oct 23
15	Water use efficiency in the face of climate change	3	06 - 08 Nov 23
16	Scaling-up Climate Resilient Agriculture Practices towards Climate Smart Villages.	3	22 - 24 Nov 23
17	Principles and Practices of Sustainable Mining and Climate Adaptive Approaches.	3	13 - 15 Dec 2023
18	National Action Plan on Climate Change - GoI Missions	3	03 - 05 Jan 2024
19	Circular economy - Conservation of natural resources in construction and O&M	3	24 - 26 Jan 2024
20	Climate resilient water supply system design for sustainability	3	14 - 16 Feb 2024
21	Industrial Decarbonization in India	2	19 - 20 March 2024

Note : In addition, the following domain specific training programmes can be conducted.

- | | | |
|----------------------------------|--------------------------------------|---|
| a. Disaster Risk Management | b. Urban Forestry Climate Mitigation | c. Climate Resilient Industrial estates |
| d. Urban Heat Islands | e. Climate change adaptation | f. GHG emissions |
| g. Climate Change and Irrigation | | |

TEAM

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International Conference on
"Climate Change Impact on Ecosystems: Mitigation and Adaptation"
 from 22-24 September, 2022



S. No.	Programme Title	Days	Dates
1.	Modern Methods used Demolition of Buildings	5	24 - 28 Apr, 23
2.	Concepts on Design, construction & Maintenance of Bridges	5	08 - 12 May, 23
3.	Planning Design and Construction of Advanced Underground Subway	5	22 - 26 May, 23
4.	Construction of Building without Bricks and Mortar	5	05 - 09 Jun, 23
5.	Building Finisher & Rehabilitation Works	5	12 - 16 Jun, 23
6.	Study and Preparation of DPR in Engineering Projects	3	12 - 14 Jul, 23
7.	Advanced Construction Materials in Concrete Technology and its applications	5	17 - 21 Jul, 23
8.	Recent Trends in Design, Construction & Maintenance of Rigid Pavements	5	07 - 11 Aug, 23
9.	Rehabilitation of Bridges using latest Techniques & Risk Criteria	5	21 - 25 Aug, 23
10.	Flexible Pavements and Overlays-Design, Construction and Maintenance	5	04 - 08 Sep, 23
11.	Contract Management & Dispute Resolution in Engineering Projects	5	25 - 29 Sep, 23
12.	Enhancing structural durability with advanced waterproofing solutions	5	09 - 14 Oct, 23
13.	Rehabilitation of Buildings using latest Techniques & Risk Criteria	5	06 - 10 Nov, 23
14.	Contract Management E-Tendering and Condition of Contract for EPC / Turnkey projects-FIDIC 99	5	20- 24 Nov, 23
15.	Traffic Systems Modelling and Simulation	5	04 - 08 Dec, 23
16.	Impact of Digging on Urban Roads and its Management	5	18 - 22 Dec, 23
17.	Low -Cost Housing Construction Technology	3	08 - 12 Jan, 24
18.	Smart Materials (Nano Technology) in Civil Engineering	5	22 - 26 Jan, 24
19.	Suspension Bridges and Structural Analysis	5	05 - 09 Feb, 24
20.	Software used in Civil Engineering Structures (BIM, ETAB, REVIT,HDM-4, TEKLA)	5	19 - 23 Feb, 24
21.	Advanced Earthquake Resistant Techniques of Building	5	25 - 29 Mar, 24
22.	Safety Management in Civil Structures	3	06 - 08 Mar, 24



Note:

1. All the Programs Conducted Offline only.
2. All the Programs designed as a residential programs, if anyone is interested, we will conduct online also
3. Out-station Programs are conducted only with minimum 30 participants.

We also undertake In-house training programmes on the above subjects or any other subjects at Clients location or at ESCI campus.

STPs offered broadly in the areas like

- Construction Management,
- Pavement technologies including urban and rural roads for PMGSY projects,
- Construction of Bridges and Culverts,
- Road Safety Management,
- Traffic Management and Intelligent Transportation System,
- Contract Management including Arbitration and Dispute Resolutions.

Also conducted programmes sponsored by UNESCO for different countries in the areas of Infrastructure Management.

Certificate programme which can be done on the request from the participants/ Organizations.

TEAM

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S. No.	Programme Title	Days	Dates
1	Advances in Design & Optimization of UAV's for Industrial Applications (Defence, Mining & Construction)	4	10 - 13 Apr 23
2	Coating & Paint Technology	3	25 - 27 Apr 23
3	Surface Engineering-Concepts, Applications & Emerging Technologies	3	15 - 17 May 23
4	Reverse Engineering Techniques (collaboration with Industry)	3	22 - 24 May 23
5	Process, Technology and Application of Aerospace Materials	3	05 - 07 Jun 23
6	Metal Additive Manufacturing and its Applications	4	12 - 15 Jun 23
7	Kinematics & Dynamics of Robots	3	26 - 28 Jun 23
8	Engineering Design using AUTO CAD	3	11 - 13 Jul23
9	Topology Optimization and Design forAdditive Manufacturing	3	24 - 26 Jul 23
10	Mechanical Design and Rotor Dynamics of Rotating Machines	3	01 - 03 Aug 23
11	Machining Aerospace Materials - Challenges and Solutions	3	16 - 18 Aug 23
12	Heat Treatment - Furnaces, Processes and Innovations	3	22 - 24 Aug 23
13	Surface Engineering - Concepts, Applications and Emerging Technologies	3	04 - 06 Sep 23
14	Advances in Design & Optimization of UAV's for Industrial Applications (Defence, Mining & Construction)	4	11 - 14 Sep 23
15	Engineering Design using CREO-Parametric	3	25 - 27 Sep 23
16	Geometric dimensioning and tolerancing	3	09 - 11 Oct 23
17	Hands-on training in ANSYS for simulating Structural, fluid and FSI problems	3	25 - 27 Oct 23
18	Reverse Engineering Techniques (collaboration with Industry)	3	06 - 08 Nov 23
19	Engineering Simulation using ANSYS & CFD - With Hands-on Approach	4	20 - 23 Nov 23
20	Engineering Design using Solid works	4	18 - 21 Dec 23
21	Coding for CFD simulations using Python	3	18 - 20 Dec 23
22	Coating & Paint Technology	3	22 - 24 Jan 24
23	Kinematics & Dynamics of Robots	3	12 - 14 Feb 24
24	Heat Treatment - Furnaces, Processes and Innovations	3	19 - 21 Feb 24
25	Metal Additive Manufacturing and its Applications	4	04 - 07 Mar 24

MSME HOST INSTITUTE:

Engineering Staff College of India is approved by the Ministry of Micro, Small & Medium Enterprises, as the Host Institution (HI), (with Regn.No. : HIBITS001140) for exploring the new innovative ideas from the Incubatee of various sectors that may be existing and prospective entrepreneurs.

NOTE :

We also undertake In-house / Customized Training Programmes, 3D Printing in Manufacturing, Metal Additive Manufacturing, Reverse Engineering, Advances in Design & Optimization of UAV's for Industrial Applications.



Consultancy Services:

- 3D Printing
- Reverse Engineering (3D Scanning)
- Additive Design & Engineering
- Prototyping and Production volume Manufacturing services
- CNC Machining
- Engineering Simulations for Structural and flow (CFD) analysis
- Training & Development
- Skill Development
- General Induction & Specific Orientation Programmes

TEAM

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S. No.	Programme Title	Days	Dates
1	Bio Medical Waste Management - Handling & Safe Disposal Options with New Rules 2016	3	04-06 Apr 23
2	Advanced technologies based Water and Waste Water Treatment for Zero Discharge Compliance	3	19-21 Apr 23
3	Conducting EIA Study and Preparation of EIA reports - Case study & Group Discussion.	3	10-12 May 23
4	Sustainable Urban Drainage System	3	24-26 May 23
5	Air pollution Monitoring & Modeling using Software Applications - Theory & Practical's.	3	07-09 Jun 23
6	Application of GIS, GPS & RS in Environmental Data Management.	3	13-15 Jun 23
7	Performance Evaluation of Sewage Treatment Plants - Practical Aspects and Field Visits.	3	21-23 Jun 23
8	O&M of Sewerage network System and treatment plants	5	03-07 Jul 23
9	Faecal Sludge and Septage Management	3	19-21 Jul 23
10	E-Waste Management-Issues, Collection and Disposal Mechanism	2	02-03 Aug 23
11	Urban Water Supply System and WTP	5	07-11 Aug 23
12	IT Enabled Applications in Water Supply and Sewerage Projects.	4	22-25 Aug 23
13	Water Pollution Monitoring & Modelling using Software Applications - Theory & Practical's.	3	05-07 Sep 23
14	Sanitation and Waste Management	3	20-22 Sep 23
15	Preparation of bid documents and Procurement of sewerage schemes	3	27-29 Sep 23
16	Attaining & encountering the challenges in water supply & sewerage system	4	03-06 Oct 23
17	Smart City Solution and Environmental Aspects	3	18-20 Oct 23
18	Hands-on training on GIS Applications- Arc GIS	3	08-10 Nov 23
19	Rejuvenation of Water bodies and Rain water harvesting	4	14-17 Nov 23
20	Recycle and Reuse Options of used water	3	28-30 Nov 23
21	Environmental Damage Assessment and Remediation Plan	3	05-07 Dec 23
22	Water Audit & Software - Urban Water Management	3	20-22 Dec 23
23	Pollution Prevention Plan & Management of Environment towards Industries	3	08-10 Jan 24
24	Hazardous Waste Management & Prevention	2	22-24 Jan 24
25	Plastic Waste Management	1	31 Jan 24
26	Online Monitoring Industrial Emission Effluent (Technical Guidelines and Demonstration).	3	07-09 Feb 24
27	Desalination Process - Planning, Design & Operation	3	21-23 Feb 24
28	Preparation of DPR & Tender Documents for Sewage Treatment Plant.	3	04-06 Mar 24
29	Current Environment legislation and Regulations	3	13-15 Mar 24
30	City Water Action Planning	3	27-29 Mar 24

NOTE : The following programmes can be conducted either on-campus or off-campus programmes.

- Best practices of hazardous waste & construction and demolition waste management.
- The right to fair compensation & transparency in land acquisition, rehabilitation & resettlement Act, 2013
- Latest amendment in environment rules & regulations -significance & effective implementation.
- Environment clearance for construction of building projects



- Water & Energy audit for industries.
- GIS & GPS applications -land use and land cover
- Mission mode programmes related to SMART city, Swachh Bharat Mission, Housing For All, National Urban Livelihood Mission, HRIDAY and other Rural related schemes.

Certification Course:

S.No.	Name of the course	Remarks
1	Biological Waste Water Treatment: Principles, Modelling and Design including software session, case studies and site visits.	Duration : One week
2	National Perspectives of Sustainable Sanitation Approaches and Technology.	Duration : Two weeks

Consultancy Projects:

- "City Sanitation Plan for Nizampet Municipal Corporation" Govt. of Telangana
- Vetting technical and financial aspects of DPR for "1.5 MLD capacity of CETP at Green Industrial Park Jadcherla
- "Preparation of DPR for Bio-Remediation of legacy waste and Reclamation of Dump Yards for the Municipal Council Kamareddy " Govt. of Telangana
- Conducting awareness programme and Household Survey for HMWSSB. Evaluation of DPR for UGD system with STPs of Matkhal Municipality
- "Evaluation of DPR for UGD system with STPs of Matkhal Municipality" will come in next point

30 Days Summer Internship programme on Environmental Science & Engineering.

TEAM

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No	Course Title	Duration	Dates	Location
1	Training on HR Analytics & HR Audit	3 days	26 - 28 Apr 23	Shimla
2.	Training on Internet of Things	3 days	17 - 19 May 23	Mussoorie
3.	Management of Training for Training & HR Managers.	3 days	24 - 26 May 23	Ooty
4.	Personality Development (An Ordinary to Extraordinary Personality Empowerment)	3 days	13 - 15 June 23	Munnar
5.	Skill Enrichment Programme for Technical Officers of Defence, Government and PSU's	3 days	20 - 22 Jun 23	Nainital
6.	Project & Contract Management (along with GEM training)	3 days	18 - 20 Jul 23	Lonavala
7.	Leadership Styles and Teambuilding Skills for Organisational Excellence	3 days	25 - 27 Jul 23	Mysore
8.	Training on Risk Management for Senior & Middle Level Managers.	3 days	08 - 10 Aug 23	Jim Corbett
9.	Finance for Non-Finance Executives.	3 days	22 - 24 Aug 23	Ramoji Film City (Hyderabad)
10.	Hands on Training on Advanced & Basic Excel	3 days	28 - 30 Aug 23	Udaipur
11.	Teambuilding, Motivation and Leadership Skills for Improving Organizational Performance.	3 days	16 - 18 Sep 23	Mount Abu
12.	Training on Data science & Machine Learning	3 days	25 - 27 Sep 23	Coorg
13.	Contract Management & E-procurement- GEM	3 days	14 - 16 Oct 23	Trivandrum
14.	Training on Business Communication & Presentation Skills	3 days	25 - 27 Oct 23	Goa
15.	Training on Supply Chain Management : Overcoming Challenges and Obstacles.	3 days	14 - 16 Nov 23	Mumbai
16.	Training on Business Intelligence	3 days	28 - 30 Nov 23	Jaisalmer
17.	Mastering new skills: Networking	3 days	12 - 14 Dec 23	Kodaikanal
18.	Training on Internet of Things and Embedded Systems	4 days	26 - 29 Dec 23	Pondicherry
19.	Training on Spiritual Intelligence & Change Management	4 days	16 - 19 Jan 23	Kochi
20.	Art of Mentoring, Coaching & Counselling Skills for Senior and Middle Level Scientists, Managers & Executives.	3 days	29 - 31 Jan 23	Ramoji Film City (Hyderabad)
21.	Management of Training for Training & HR Managers	3 days	13 - 15 Feb 23	Goa
22.	Training on Cyber Security & Block chain Technology for Engineers, Managers and Scientists	4 days	26 - 29 Feb 23	Hampi
23.	Improving Leadership, Managerial & Administrative Skills	3 days	13 - 15 Mar 23	Allepy
24.	Training on Corporate Social Responsibility	3 days	26 - 28 Mar 23	Manali



S. No.	Title of the Programme / Workshop	No. of Days
1	INDUCTION PROGRAM (Student) Deeksha Aarambh Orientation / Induction about basics of each discipline / domain area, Values / Ethics / Behavioral / Attitude / Personality, Stress & Mental Health Management, Communication Skills (Written/Presentation etc), Soft Skills	5-15
1A	INDUCTION PROGRAM (Faculty) Orientation/Induction about basics of teaching/domain area, Professional Ethics, Pedagogical tools & Methods – Digital / Online techniques, Classroom Management, Evaluation & Assessment, Institution Building, Entrepreneurship & Innovation, Research & Publication – Sponsored programs / IPRs, Career Advancement Scheme (CAS), NEP / Accreditations / Ranking – NAAC / NBA / NIRF / AACSB / ABET / QS / IQRA	5-15
2	To identify academic weaknesses in students belonging to the vulnerable groups and initiate remedial measures Remedial measures for vulnerable student groups Formation of the internal committees to identify vulnerable students (student-faculty representation), Conducting remedial classes for weak students	7
3	To enhance communicative skills, presentation, and soft skills to boost the confidence level of students Enhancing Communication Skills for students' confidence, Building Presentation Skills for students, Improving Soft Skills for students	3-5
4	Peer- Learning Groups Creating Peer Learning Groups for improving performance, Strategies for creating Peer Learning Groups to enhance performance	3-5
5	Training to improve placements; exit exams such as GATE; career counseling, provision of digital learning including MOOCs certification Improving institutional placements through MOOCs certification, Training to improve placements through Campus Recruitment Training (CRT), Career Counseling for students	3-5
6	Counselling services for mental health Improving Mental Health through Yoga and Meditation, Mindfulness training for holistic health, Counseling through Psychometric Analysis	3-5
7	Give under-qualified teachers priority in opportunities to upgrade their domain knowledge Creating Opportunities to upgrade Teacher's Domain Knowledge, Professional Development Programs for Teachers, Hands on training for teachers to improve KSAs	3-5
8	Training in pedagogical skills, classroom management skills, emotional quotient, digital pedagogy, particularly to improve the performance of weak students Training Weak students in Emotional Quotient, Enhancing digital knowledge of weak students, Improving performance of weak students in digital tools	3-5
9	Faculty Appraisal mechanism Ideal Appraisal System for Educational Institutions, Understanding Faculty Appraisal System, Faculty Appraisal for overall development	3-5
10	Awareness programs about various scholarships and other financial aid by government Creating Awareness Program about govt scholarship schemes, Training to create awareness about financial aids by govt.	3-5
11	Hold knowledge-sharing workshops with other institutions yearly to improve knowledge exchange Knowledge Sharing workshop to improve KSAs/KRAs of Teachers, Knowledge Exchange program for teachers to enhance KSAs/KRAs/KPIs	3-5
12	Digital infrastructure at institute for accessible teaching-learning/ exchange of knowledge Teaching Learning program to improve Digital infrastructure, Establishing Language Labs at Institutions, Establishing Psychometric Testing Labs	3-5



S. No.	Title of the Programme / Workshop	No. of Days
13	Institutionalize Grievance Redress Mechanism (GRM) Understanding Grievance Redress Mechanism in Institutions, Role of Grievance Redress Mechanism in improving Equity]	3-5
14	Ensure that institutional mechanisms to protect and address the needs and concerns of women students are established; promoting the participation of female faculties in such decision-making committees Women Empowerment to remove Gender Discrimination, Awareness Program on creating Gender Equality, Understanding needs and concerns of Women Workforce	3-5
15	Organizing gender sensitization programs Creating Awareness about Gender Sensitization in Educational Institutions, Understanding Gender & Gender Sensitization in Institutions, Orientation about Prevention of Sexual Harassment (POSH) at Workplace	3-5
16	Develop or strengthen policies for combating violence and abuse on caste, culture, disability, gender, background, and linguistic differences Training program for combating violence and abuse at workplace, strengthening policies and practices to combat social injustice in institutions, Training program on Know-How to design policy framework in institutions	3-5
17	Special efforts for training/ internship/ placement of vulnerable students, including female Develop or strengthen placement cell Training program to increase chances of selection in placement for female and vulnerable students, Confidence building program for vulnerable and female students for placements	3-5
18	Appointing Student Mentors and Faculty Advisers for Students Mentorship program for students, Mentor-Mentee Relationship program, Designing Robust Coaching program for students	3-5
19	Develop and regularly update, MIS Training program for creating user friendly MIS in institutions, Hands on training in developing MIS in educational institutions	3-5
20	Outreach Programs Designing outreach program for Administrators/Teachers, Outreach Program for Educationists	3-5

NOTE: ESCI can also plan the above programmes specific to your organization needs if there is minimum batch size of 15 and above. Venue can be your premises or ESCI campus or any other desired location as suggested by your organization.

For more details on the above-mentioned programmes can contact the following officers between 09.30am and 05.30pm from Monday to Friday respectively.

NIELIT-NSQF Aligned Certificate Courses:

S.No.	Course Title	Hours
1.	Certified Embedded Software Engineer	840
2.	Foundation Course in Blockchain Development	90
3.	IoT Data Analyst	500
4.	Certified Web Developer	210

TEAM

Er. P Sai Kishore, Faculty & Head

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S. No.	Programme Title	Duration	Dates
1.	Cyber Security Best Practices for Managers & Executives	3	19 - 21 Apr 23
2.	Project Management using MS Project 2019	3	26 - 28 Apr 23
3.	Big Data Analytics for Business Decisions (Hands-on practical on MS Excel & Tableau)	4	08 - 11 May 23
4.	Network & Security Administration	5	22 - 26 May 23
5.	GEM Procurement Procedures - Gem Account operation from Basic to expertise (Buyer module) (Online)	5 Half Days	05 - 09 Jun 23
6.	AWS Cloud Administration	3	12 - 14 Jun 23
7.	Blockchain Technology for Industry 5.0 (Online)	5 Half Days	19 - 23 Jun 23
8.	Data Analytics & Visualization using Power BI	4	10 - 13 Jul 23
9.	Cyber Security Best Practices for Managers & Executives	3	19 - 21 Jul 23
10.	Web Development using Angular 8	5	24 - 28 Jul 23
11.	Advanced Excel for Report Generation & Analytics	3	02 - 04 Aug 23
12.	Cyber Security for Industrial Control System(ICS)and Intelligent Electrical Devices (IED)	4	07 - 10 Aug 23
13.	Working with BOSS Linux & Libre Office (Online)	5 Half Days	21 - 25 Aug 23
14.	Cyber Security & Digital Forensic Tools	5	21 - 25 Aug 23
15.	Network Administration: Configuring & Securing LANs and WANs	5	04 - 08 Sep 23
16.	Big Data Analytics for Business Decisions (Hands-on practical on MS Excel & Tableau)	4	11 - 14 Sep 23
17.	Information Security Policies & Security Audit	3	12 - 14 Sep 23
18.	Information Security Management System (ISMS - ISO 27001) Lead Implementer	4	03 - 06 Oct 23
19.	Machine Learning & Artificial Intelligence	5	09 - 13 Oct 23
20.	Effective Utilization of MS office Applications (Online)	5 Half Days	09 - 13 Oct 23
21.	Oracle 19C Database Administration	5	06 - 10 Nov 23
22.	SAP S4 HANA Administration	4	13 - 16 Nov 23
23.	Linux Server (RHEL8) Administration	5	20 - 24 Nov 23
24.	Document Management Using Google App Script (Online)	5 Half Days	20 - 24 Nov 23
25.	Cyber Security Policies & Crisis Management Plan	3	06 - 08 Dec 23
26.	Software Testing & Quality Assurance	4	11 - 14 Dec 23
27.	Firewall & VPN Security Administration	5	18 - 22 Dec 23
28.	Machine Learning Applications for Power Sector	3	27 - 29 Dec 23
29.	Cyber Security tools & Security Audit	3	03 - 05 Jan 24
30.	Windows Server 2019 Administration	5	08 - 12 Jan 24
31.	IT Tools & Techniques for Office Administration	3	22 - 24 Jan 24
32.	Web Application Penetration Testing and Web Security	3	05 - 07 Feb 24
33.	Build Dynamic Dashboard in Excel & Power BI (Online)	5 Half Days	12 - 16 Feb 24
34.	Web Development using Python & React JS	5	04 - 08 Mar 24



IEI - ESCI's: Industry Ready Certification Programs

Short - term three months to six months Industrial training programme developed with the guidance of industry mentors & Accredited by National Institute of Electronics & Information Technology (NIELIT), Ministry of Electronics & Information Technology, Government of India, to prepare students for entry to mid-level jobs in IT industry.

S.No.	Name of the course	Duration
1	Post Graduate Program in Data Engineering	6 months
2	Advanced Certification in Network & Cyber Security	6 months
3	Certified System & Networking Specialist	3 months
4	Certified Web Developer	6 months

Who Can Attend?

B.Tech (CSE / IT / ECE) / BSc (Computers) / Any Graduate

Key Benefits of the Program

- Certification from NIELET, after successful completion of training & assessment

- 100% Placement Assurance
- Hands-on Practical training from Industry Experts
- Well Designed Curriculum & Reading Material
- Advanced IT LAB for Hands-on Practical Training
- Internship from Industry
- Interview & Soft skill training for Placement

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S. No.	Programme Title	Days	Dates
1	Advanced Welding Processes, NDT Techniques and their defect Analysis (Theory and Practical Orientation)	5	24 - 28 Apr 23
2	Conflict Management, Decision Making and Problem Solving Skills	3	10 - 12 May 23
3	Interpersonal Effectiveness & Transcendental Intelligence for Innovative Leadership	3	22 - 24 May 23
4	Operation, Maintenance and Quality Assurance of High pressure valves and Heat Exchangers	3	7 - 9 Jun 23
5	Advances in Industrial Heat Treatment of Ferrous & Non-ferrous Materials	3	19 - 21 Jun 23
6	Work Culture, Ethics and Values for Scientists and Technologists	3	26 - 28 Jun 23
7	Operation, Maintenance and Quality Monitoring of Centrifugal Pumps and Compressors (Includes Screw Compressors)	4	3 - 6 Jul 23
8	NDT Level II Certification in Radiography Film Interpretation (RTFI) in Accordance with ASNT Document No. SNT-TC-1A 2011	5	10 - 14 Jul 23
9	Personal and Family Financial analysis and Planning-Skills for Success	3	17 - 19 Jul 23
10	Impact of Information and Communication Technology (ICT) in Manufacturing	3	24 - 26 Jul 23
11	Maintenance Welding for Technical Officers, Engineers, and Scientists	4	8 - 11 Aug 23
12	Operation and Maintenance of Bulk Material Handling Equipment	3	22 - 24 Aug 23
13	Advanced Course on Effective Spare Parts Inventory Management	4	28 - 31 Aug 23
14	Creative Leadership and Leading High Performance Teams for Organizational Development (Innovative and Inspiring Leadership Methodologies with Case studies and Role plays)	4	4 - 7 Sep 23
15	NDT Level II Certification in Ultrasonic Technique in Accordance with ASNT Document No. SNT-TC-1A 2011	5	11 - 15 Sep 23
16	Analytics based Performance Management Systems (APMS) and Strategies (For HR Scientists, Managers and Executives)	4	25 - 28 Sep 23
17	Industrial Piping Practice and Maintenance - Problems, Quality Control Measures	3	3 - 5 Oct 23
18	Vibrations, Balancing, Alignment & Condition Monitoring of Rotating Equipment (Theory and Practical Orientation with Technical Visit)	4	16 - 19 Oct 23
19	Fracture & Failure analysis of Gas Turbine Engines, Naval & Aerospace Materials	3	25 - 27 Oct 23
20	Sustainable Cutting fluids and its Chemistry: Properties, Storage & its Machining Performance	3	8 - 10 Nov 23
21	Non - Destructive Testing and Failure Analysis of Castings, Forgings, Weldments and Tubes	4	14 - 17 Nov 23
22	NDT Level II Certification in Eddy Current Testing in Accordance with ASNT Document No. SNT-TC-1A 2011	10	13 - 22 Nov 23
23	Friction Stir Welding and Processing of Ferrous and Non-Ferrous Materials and Quality Testing	3	4 - 6 Dec 23
24	Fundamentals of Successful Project Management (Includes R&D Projects)	3	12 - 14 Dec 23
25	Laser and Electron Beam Additive Manufacturing of Metals (Includes Materials Characterisation)	3	20 - 22 Dec 23
26	Corrosion Engineering, Advanced Materials for Corrosion Resistant Coatings and Emerging Applications	4	2 - 5 Jan 24
27	Basics of Finance, Income tax and GST for Engineers and Scientists	3	22 - 24 Jan 24
28	Weldability of Special Steels and NDE Methods for Engineers	5	5 - 9 Feb 24
29	Communication and Presentation skills to Succeed in Departmental Interviews & Discussions (Communicating Assertively with Confidence)	3	19 - 21 Feb 24
30	Supply Chain Analytics	3	6 - 8 Mar 24
31	Advanced Industrial Automation & Robotics for Engineers & Scientists	3	25 - 27 Mar 24



NOTE : We also conduct customized training programmes at the Clients location.

- (a) Consultancy services in HR & technological domains.
- (b) Programmes & training on Disruptive Technologies/Emerging Technologies.
- (c) Industrial Internship for students on various software's & advanced technologies.

Certification Course:

S.No.	Name of the course	Remarks
1	Non-Destructive Testing Level - I, II & III: Liquid Penetrant-Magnetic Particle Inspection - Ultrasonic - Radiography Testing as per ASNT Document No: SNT-TC-1A	Duration: 5 days
2	Stress Management (Leads to International Certification Accredited by international council of stress management professional, Sydney, Australia)	Duration: 3 days
3	Project Management Professional (PMP) certification from PMI, USA	Duration: 4 days
4	Behavioural competency professional certification from ISMA	Duration: 3 days
5	Software training on ANSYS, CFD, AUTOCAD, HYPERMESH & AVEVA	Duration: 5 days

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S. No.	Programme Title	Days	Dates
1.	Mechanization & Technology in Underground and Opencast Mining for Improved Productivity and Safety	3	04-06 Apr 23
2.	General Safety in Mining - Risk Assessment, Accident Prevention, Safety Management Plan, Safety Audit, Legislation, ISO- 31000	5	17-21 Apr 23
3.	Design & Optimization of Blasting in Opencast Mines	5	08-12 May 23
4.	Sustainable Practices in Mining: Environmental Laws & Policies, Land Acquisition, Social Impact Assessment, Rehabilitation & Resettlement, District Mineral Foundation, Application of Geographic Information System and Remote Sensing	5	22-26 May 23
5.	Mining Plan, Environmental Management Plan, Project Report, Project Evaluation, Application of Software, GIS, RS&ISO -14001:2015	5	05-09 Jun 23
6.	Safe Operation- In-Pit & Dump Slopes Stability in Mining & Highway Projects, Haul Roads Safety	3	21-23 Jun 23
7.	Effective Management of Organizational Resources in Opencast Mining Projects: Total Productive Maintenance of Machinery, OITDS, Machine Utilization, Enhanced Safety & Productivity, Design of Haul Roads, Tyre-Care, Conservation of POL, Energy Audit, Mine Wastes into Resources, ISO-50001:2018 Certification	5	10-14 Jul 23
8.	Advanced Drilling & Blasting Practices- Enhanced Safety & Productivity	3	24-26 Jul 23
9.	Latest Technology in Mine Surveying - Total Station, DGPS, 3D Laser Scanner, LiDaR, Drones, GIS, Remote Sensing, Demonstration and Hands - on Training on Instruments	5	07-11 Aug 23
10.	Mine Safety & Health of Miners	3	23-25 Aug 23
11.	Critical Minerals & Elements: Exploration, Mining & Sustainability	3	06-08 Sep 23
12.	Advanced Blasting Techniques in Opencast Mines to Mitigate Undesirable Effects	5	25-29 Sep 23
13.	Electrical Safety & Energy Audit in Mining Projects	3	04-06 Oct 23
14.	Smart Mining - Application of Internet of Things (IoT), Smart Sensors and Artificial Intelligence, Robotics, Remote Operations, Men-Tracking	3	08-10 Nov 23
15.	Principles for Social Acceptance of Mining Projects-Social Impact Assessment, Land Acquisition, Rehabilitation & Resettlement, Pollution Control Measures, Water Management, Controlled Blasting, Skill Development of Affected Persons	3	22-24 Nov 23
16.	Condition Monitoring & Predictive Maintenance of Heavy Earth Moving Machinery and Other Ancillary Equipment, Total Productive Maintenance and Optimization of Mineral Conveying Systems & Handling Plants	3	06-08 Dec 23
17.	Alternative Sources of Energy: Solar, Wind, Coal Mine Methane, Coal Bed Methane, Underground Coal Gasification, Coal to Liquid	3	27-29 Dec 23
18.	Environmental Challenges and Mitigation in Mining Projects	3	03-05 Jan 24
19.	Advanced Techniques for Mineral Resource- Estimation, Beneficiation Techniques, Clean Coal Technology	3	17-19 Jan 24
20.	Optimization of Resources in Limestone & Other Quarries	3	07-09 Feb 24
21.	Principles & Practices of Sustainable Mining: Corporate Social Responsibility, Social Impact Assessment, Dump Management, Controlled Blasting Techniques, Sewage Treatment, Bio-Medical Waste Management, Conservation and Recycling of Resources, Conversion of Wastes to Resources, Water-Body in Mined out Areas	3	21-23 Feb 24
22.	Fundamentals of Mining - Geology, Exploration, Surveying, Mineral Extraction, Rehabilitation	3	06-08 Mar 24



Note : We also undertake In-house / Customized Training Programmes, Safety –Audit, Energy- Audit in Mining, Management & Technical fields & ISO Certification.

Consultancy Services:

- Strata Monitoring and Control Management Techniques
- Design & Optimization of Blasting in Opencast and Underground Mining
- Mine Ventilation & Mine Environment Engineering in Underground
- Subsidence Study
- Safety Audit
- Quality Audit, Quality Management and ISO Accreditation
- Environmental Audit
- HEMM Tyres: Care & Management
- Transport and Logistic Engineering
- Comprehensive Assessments and Compilation of Documentation, Compendium
- Performance Management System for Executives
- Asset Management
- Application of IoT (Internet of Things), Smart Sensors, Artificial Intelligence for Monitoring & Management of Slopes in Opencast, Strata in Underground and Heavy Earth Moving Machinery
- Training & Development, Coaching, Skill Development
- General Induction & Specific Orientation Programmes

TEAM

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S. No.	Programme Title	Days	Dates
1	Power System Protection - Principles, Protection Relays & Fault Analysis	4	18 - 21 Apr, 23
2	Power Plant Cooling Towers, Compressors - Performance Optimization	3	24 - 26 Apr, 23
3	General Network Access (GNA) and Power Trading - ABT Scenario	3	26 - 28 Apr, 23
4	Pumps Operation, Maintenance and Performance Monitoring for Power Plant Applications	3	02 - 04 May, 23
5	Smart meter Integration - PMU Asset Management in T&D Utilities	4	09 - 12 May, 23
6	Best Practices in O&M of Coal Mills & Feeders	3	17 - 19 May, 23
7	Renewable Energy Systems - Wind & Solar - Grid Integration	5	22 - 26 May, 23
8	Latest Techniques in O&M of Steam Turbine & its Auxiliaries, Governing System	3	07 - 09 Jun, 23
9	Transmission Line Construction (Survey, Design of lines and construction practices)	4	13 - 16 Jun, 23
10	Distribution Transformers - O&M achieving Zero Breakdown	4	20 - 23 Jun, 23
11	Insurance and Risk Management in Power Utilities	3	26 - 28 Jun, 23
12	Electrical Safety Procedures & Accident Prevention	4	04 - 07 Jul, 23
13	Distribution Automation & SCADA	3	12 - 14 Jul, 23
14	CERC Regulations Including Tariff Regulations	4	18 - 21 Jul, 23
15	PLC, DCS & SCADA for Power Plants and Process Industries	4	25 - 28 Jul, 23
16	Pilferage of Electricity - Detection & Prevention - Issues & Challenges	4	01 - 04 Aug, 23
17	Substation Automation and Smart Grids	4	08 - 11 Aug, 23
18	Environmental Issues, Challenges and Pollution Control Strategies in Thermal Power Plants	3	16 - 18 Aug, 23
19	Cost reduction by Energy Auditing, Management & Design of Solar Energy Systems	4	22 - 25 Aug, 23
20	Generator & its Auxiliaries incl. Excitation System	4	28 - 31 Aug, 23
21	Hydro Turbines, Governing & its Protection Systems	4	11 - 14 Sep, 23
22	Operation, Maintenance & Testing of Power Transformers and HT Circuit Breakers	4	12 - 15 Sep, 23
23	Power Cables Selection, testing, Laying and Commissioning	3	20 - 22 Sep, 23
24	Micro grids - Smart Grids Issues & Challenges	3	25 - 27 Sep, 23
25	Rooftop Solar PV Grid - Design, Erection, Commissioning & Maintenance	4	03 - 06 Oct, 23
26	Gas Insulated Substations - Design features, Construction, Testing, Operation and Maintenance	4	10 - 13 Oct, 23
27	Power Trading, Power Exchanges & Merchant Power Plants	4	16 - 19 Oct, 23
28	Best Practices in O&M of Industrial Valves & Actuators for Heavy Industries & Power Plants	3	25 - 27 Oct, 23
29	Best Practices in Distribution System - Operation & Maintenance	3	01 - 03 Nov, 23
30	Best Practices in Energy Auditing of T&D Systems	4	06 - 09 Nov, 23
31	Challenges & Opportunities in EVs, Charging Stations and Grid Infrastructure - Latest EV Govt. Policies	4	14 - 17 Nov, 23
32	Super Critical and Sub Critical Boilers; Issues and Challenges of Cooling Water Chemistry in Power Plants and Process Industries	4	20 - 23 Nov, 23
33	Implementation of IoT in Transmission & Distribution	3	28 - 30 Nov, 23
34	Smart Grid & Smart Metering Technologies & Applications	4	05 - 08 Dec, 23



S. No.	Programme Title	Days	Dates
35	Condition based Maintenance aspects of Power Plant Equipment & Process Industries	4	12 - 15 Dec, 23
36	Capital Overhaul of Thermal Power Plants & Lessons Learnt	4	19 - 22 Dec, 23
37	Testing of High Voltage Power Equipment	3	26 - 28 Dec, 23
38	CEA Regulations 2010 - Measures relating to Safety, Electric Supply Associated Maintenance and Safety Practices	4	02 - 05 Jan, 24
39	Best Practices in O&M of Hydro Power Plants	4	09 - 12 Jan, 24
40	Power Quality, Harmonics Mitigation and Reactive Power Management in T&D Systems	3	16 - 19 Jan, 24
41	Power Distribution Reforms - Issues of General Network Access - Power Exchange	3	22 - 25 Jan, 24
42	Boiler Tube Failure Analysis & Preventive Measures	3	29 - 31 Jan, 24
43	Cyber Security Issues in Power Sector	3	07 - 09 Feb, 24
44	Latest techniques in Control & Instrumentation in Power Plants and process industries applications	4	13 - 16 Feb, 24
45	Customer Relationship Management - Modernization of Metering, Billing & Collection (MBC) in Distribution Utilities	4	20 - 23 Feb, 24
46	Best Practices in O&M and Performance of Optimization of Super Critical Units	3	27 - 29 Feb, 24
47	Solar Energy Storage Battery Maintenance and Related Issues	3	06 - 08 Mar, 24
48	Power Plant Chemistry for Chemists and Operation Engineers	3	13 - 15 Mar, 24
49	Tariff Policy - Basics of Tariff Calculation & Procedure / Information Required for Preparation of Tariff Petition (ARR) & Energy Scheduling	3	20 - 22 Mar, 24
50	Best Practices in O&M of Coal & Ash handling plants	4	26 - 29 Mar, 24

NOTE : We also undertake Customized / Specific Training Programmes on subjects either at Clients location or at ESCI Campus.

Consultancy

- Energy Audit for Power Utilities (Transco, Genco & Discoms).
- Energy Audit for Educational Institute and Industries.
- Demand Side Management (DSM) of Municipal like Street lighting, Energy auditing.
- Re-evaluation of Assets in Power Generation Companies, Man Power Assessment of Power Utilities & other Industrial areas.
- Consultancy Services in procurement of suitable spares in Power Utilities for optimization.
- Power Plant Performance Monitoring, Performance Management System (PMS) & Key Performance Indices (KPI) for Power Utilities, Asset Management of Power Utilities, Evaluation of O&M services effectiveness.
- DPR Preparation for Solar Power Plants.
- Consultancy of Departmental Examinations for TRANSCO, GENCO & DISCOMS.
- Healthiness Assessment of Solar PV Power Plants.
- Safety Audits for various industries such as Power Utilities, Captive Power Plants, Mines, Fertilizers, Paper Mills, Cement Plants etc.
- Consultancy Services in Pilferage of Electricity in Distribution Companies & PAT Schemes in Thermal Power Plants.
- Third party Consultancy for verification & Energy audit especially for ULB's street light services.



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S. No.	Programme Title	Days	Dates
1	Leadership Excellence: An Innovative approach	3	22 - 24 May, 23
2	Total Quality in Vigilance	3	07 - 09 June, 23
3	Laboratory Management System Awareness & Internal Auditing (As per ISO / IEC 17025 : 2017 & NABL Requirements)	4	19 - 22 June,23
4	Quality Initiatives in Technical and Higher Educational Institutions (In Compliance with NBA & NAAC Accreditation)	3	19 - 21 July, 23
5	ISO 9001:2015 QMS - Lead Auditor Training (CQI-IRCA-UK Certified)	5	24 - 28 July, 23
6	Total Quality in Purchase Process (Including ERP & e-Procurement)	3	16 - 18 Aug, 23
7	Statistical Quality Control and Statistical Process Control	3	23 - 25 Aug, 23
8	Disciplinary Proceedings	2	06 - 07 Sept, 23
9	Industry 4.0, Quality Aspects	4	25 - 28 Sep, 23
10	Inter-personal Relations and Assertive Skills	3	09 - 11 Oct, 23
11	Quality Control and Engineering Inspection	3	18 - 20 Oct, 23
12	Process Excellence & People Excellence	2	08 - 09 Nov, 23
13	Certified Internal Auditor Training for Integrated Management System (IMS) (ISO 9001 QMS, ISO 14001 EMS & OHSMS 45001)	4	13 - 16 Nov,23
14	NBA - SAR Filling preparedness for Assessment	3	20 - 22 Nov,23
15	Six Sigma Green Belt	5	04 - 08 Dec,23
16	Laboratory Management System Awareness & Internal Auditing (As per ISO / IEC 17025 : 2017 & NABL Requirements)	4	11 - 14 Dec,23
17	Quality & Reliability Management	3	20 - 22 Dec,23
18	Competency Development for Managers, Scientists & Engineers	3	27 - 29 Dec,23
19	ISO 9001 : 2015 QMS-Effective Implementation & Internal Auditor Training	3	03 - 05 Jan, 24
20	Uncertainty Measurement	3	17 - 19 Jan,24
21	Emotional Intelligence at Work for Executives	3	22 - 24 Jan,24
22	Intellectual Property Rights (IPR) - Patent	3	07 - 09 Feb,24
23	5S for Workplace Excellence	3	14 - 16 Feb,24
24	Internal Auditor Training for AS 9100 Rev D	3	26 - 28 Feb,24
25	Total Productive Maintenance	4	11 - 14 Mar,24
26	Laboratory Management System Awareness & Internal Auditing (As per ISO / IEC 17025 : 2017 & NABL Requirements)	4	18 - 21 Mar,24
27	TQM Practices and Tools for Organizational Excellence	3	27 - 29 Mar,24

NOTE :

We also under take customized / tailor made in-house programs on all the above topics besides any other topic selected by Client organizations to suit their requirements.



The courses & consulting services are offered in the following areas:

- **Training & Consulting** with respect to 5S, lean, Poka Yoke, OBE, QMS, NABL, OHSMS, EnMS, IATF, FSMS, Japanese Quality System, etc.
- Support in obtaining NBA/NAAC Accreditation for Engineering and Business Management Institutions.
- **Consultancy services** for obtaining Accreditation/Certification in: ISO 9001: 2015 QMS, ISO/IEC 17025 : 2017 NABL Requirements, ISO/OHSMS 45001:2018, 5S.

Certification Course:

S.No.	Name of the course	Remarks
1	CQI - IRCA - UK registered ISO 9001 : 2015 QMS Lead Auditor Training	Duration: 5 days
2	OHSMS 45001:2018 - Lead Auditor Training (CQI-IRCA-UK regd.)	Duration: 5 days
3	NABET- QCI - Registered and Recognized by RAB-QSA Information Security Management System ISO 27001 : 2013 -Lead Auditor Training	Duration: 5 days
4	Integrated Management System (IMS) : (ISO 9001 QMS,ISO 14001 EMS, OHSMS 45001) & Internal Auditor Training	Duration: 3 days
5	Laboratory Management based on ISO/ IEC 17025 : 2017 Awareness & Internal Auditor Training	Duration: 4 days
6	ISO 9001:2015 QMS-Effective Implementation & Internal Auditor Training	Duration: 4 days
7	Lead Auditor Training for AS 9100 Rev D (QMS Requirements for Aviation, Space and Defence Organization)	Duration: 5 days
8	Short term courses: 5S, Six Sigma, Lean, TPM, Poka Yoke, Metrology, Problem Solving, GMP, Daily Work Management, Workshop Practices, etc.	Duration: 3 months

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S. No.	Programme Title	Duration	Month
1.	Dam Safety Guidelines - Monitoring and Protection Measures and Emergency Action Plan	5	17 - 21 Apr,23
2.	Climate Change Impact on Water Resources, its Imitation & Adaptation	4	01 - 04 May, 23
3.	Assessment of Irrigation Demand and Irrigation Scheduling using Latest Software Applications	3	23 - 25 May,23
4.	Contract Management and Dispute Resolution in Projects	5	05 - 09 Jun,23
5.	Flood Analysis Using Advanced Software Techniques	5	19 - 23 Jun,23
6.	Planning, Design & Installation of Community Micro Irrigation System	3	03 - 05 Jul, 23
7.	Water Conservation, augmentation and Preservation	3	17 - 19 Jul,23
8.	Project Management using MS Project and Primavera Software	5	07 - 11 Aug,23
9.	Digital Surface Modeling using GIS Techniques-Hands on Practice	5	21 - 25 Aug,23
10.	Soil & Water Conservation : Importance and Best Practices	3	11 - 13 Sep,23
11.	Water Governance - Challenges and the way forward	3	26 - 28 Sep,23
12.	Flood analysis using HEC-RAS Software	3	04 - 06 Oct,23
13.	Smart Irrigation Technology for Better Water Use Efficiency	3	16 - 18 Oct,23
14.	Instrumentation and Seismic Analysis of Gravity Dams with Software Applications	5	06 - 10 Nov,23
15.	Failure of Gates & Dams and Preventions	3	13 - 15 Nov,23
16.	Design and Optimization of IoT Based Smart Irrigation System	3	20 - 22 Nov,23
17.	Modernization of Irrigation Systems using Latest Technologies	5	04 - 08 Dec,23
18.	Strategies for More Crop for Drop of Water	4	12 - 15 Dec,23
19.	Dam Break Analysis using Latest Software	3	19 - 21 Dec,23
20.	Hydraulic Gates and Hoists - Design, Erection and Operation & Maintenance including Dismantling	5	01 - 05 Jan,24
21.	Satellite based property mapping in Urban Local Bodies	3	29 - 31 Jan,24
22.	Networking and use of sensors for on farm Irrigation Water Management	3	05 - 07 Feb,24
23.	Structural Safety of Existing Dams - Evaluation and Impacts	5	19 - 23 Feb,24
24.	Planning, Design, Construction and O&M of Lift Irrigation Schemes	4	04 - 07 Mar,24
25.	Automation in Micro Irrigation Systems for improving Irrigation Efficiency	5	18 - 22 Mar,24



NOTE :

- ESCI is Empanelled as a Key Resource Center for conducting training programmes to the various levels of engineers & other implementing agencies involved in water and sanitation sector under National Jal Jeevan Mission (JJM), Department of Drinking Water & Sanitation, Govt. of India.
- In addition to the above programmes WRD Division in partnership with UNICEF is taking up specific training programmes in Water and Sanitation Sector like Project Implementation Plan for Swajal, Water Security Plan, Water Quality and Surveillance Systems and Retro - fitting of Toilets in Swachh Bharat Mission for Telangana, Andhra Pradesh and Karnataka States.
- Further WRD Division is taking up Induction Training for Newly appointed Managers (Eng.) for Hyderabad Metro Water Supply and Sewerage Board, Government of Telangana.

Consultancy Services :

1. Conservation and Protection of Water Resources
2. Water Audit

Certification Course:

S.No.	Name of the course	Remarks
1	Modern Surveying Techniques including Total Station, GPS & DGPS	Duration: 2 weeks

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ESCI provides consultancy services to suit the requirements of clients in all Engineering and Management disciplines. ESCI's group of thoroughbred consultants with their proven expertise executes these assignments and co-opts experts as necessary. ESCI provided Consultancy in the areas of 3rd Party Quality Control / Assurance / Monitoring, Preparation of Detailed Project Reports, Irrigation & Water Resources, Power, Assets Management, Hazop Study, Transportation, HRD, Environment, ISO Certification, NABL Accreditation and Recruitment consultancy etc. ESCI successfully handled about 100+ assignments including World Bank Aided Projects and some of the prestigious assignments are mentioned below:

S. No.	Name of Consultancy Service	Sponsoring Authority
1.	3rd Party Quality Control / Assurance for all Civil Works of Andhra Pradesh Urban Service for the Poor, West Zone & South Zone	Govt. of AP
2.	Traffic Management Plan for 2 Corridors for Hyderabad Metro Rail Ltd	MD, HMRL
3.	Preparation of Project Implementation Plan for the APWSIP	Project Director, PPMU
4.	Disposal of Old Thermal Units of MAHAGENCO - Valuation & E-Auction	GM(SM), MAHAGENCO
5.	3rd Party Quality Control / Assurance of Civil Works of Indira Sagar Main Canals of Polavaram Project - Package No.20 & Package No.23.	I&CAD Dept. Govt. of AP
6.	Palamuru - Ranga Reddy Lift Irrigation Scheme-Detailed Survey & Preparation of DPR - Jurala Project & Srisailem Project as water Source	I&CAD Dept. Govt. of Telangana
7.	Dindi Lift Irrigation Scheme-Detailed Survey & Preparation of Detailed Project Report including Rachakonda Lift Irrigation Scheme	I&CAD Dept., Govt. of Telangana
8.	3rd Party Quality Control to Construction of Social Welfare Residential School Complexes in the Districts of AP & Telangana	Secretary, TSWREIS & APSWREIS
9.	Preparation of DPRs for the Developmental works sanctioned under CM's Assurance Grants to Greater Warangal Municipal Corporation	Commissioner, GWMC, Govt of T.S.
10.	3rd Party Quality Monitoring Agency for Housing for All - AHP Projects under PMAY(U) in Raipur & Durg Clusters of Chhattisgarh State	CEO, SUDA Chhattisgarh
11.	3rd Party Quality Control for Civil & CRMP Works of GHMC	SE, QCC, GHMC
12.	3rd Party Quality Control for 2BHK Houses in Mahabubnagar, Jogulamba Gadwal and Nirmal Districts	District Collectors of respective District,
13.	3rd Party Quality Control for the works taken up by Telangana State Medical Services & Infrastructure Development Corporation (TMSIDC)	Chief Engineer, TMSIDC
14.	3rd Party Quality Control for the works taken up by the Andhra Pradesh Tribal Welfare Engineering Dept.	Engineer-In-Chief, APTWED
15.	3rd Party Quality Control Inspection for Bandlaguda and Pocharam Townships of Telangana Rajiv Swagruha Corporation Limited (TRSCL)	Chief Engineer, TRSCL, Govt. of Telangana
16.	3rd Party Quality Control for Developmental Works of Hyderabad Metropolitan Development Authority (HMDA)	Chief Engineer, HMDA, Govt. of Telangana
17.	3rd Party Quality Monitoring Agency for Housing for All - AHP Projects under PMAY(U) in Mahabubnagar District	Mission Director, MEPMA, Govt. of TS
18.	3rd Party Quality Control for Civil Works of Telangana State Tourism Development Corporation Limited.	Managing Director, TSTDC, Govt. of TS
19.	3rd Party Quality Control for Civil Works of Telangana State Agricultural Marketing Department	The Director, TSAMD, Govt. of TS
20.	3rd Party Inspection Agency for the JJM Works in Karnataka State	JJM-Karnataka
21.	3rd Party Inspection Agency for the JJM Works in Tamil Nadu State	JJM-Tamil Nadu
22.	3rd Party Inspection Agency for the JJM Works in Kerala State	JJM-Kerala
23.	3rd Party Inspection Agency for the JJM Works in Chhattisgarh State	JJM-Chhattisgarh
24.	3rd Party Inspection Agency for the JJM Works in Madhya Pradesh State	JJM-Madhya Pradesh
25.	3rd Party Quality Control for Centrally Procured Items under Mana Ooru Mana Badi - Mana Basti Mana Badi program in Telangana State	Chief Engineer, TSEWIDC



Note: We also undertake the consultancy on above areas or any other areas as per client's requirement.

TEAM

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School of Post Graduate Studies

ESCI established the academic wing School of Post Graduate Studies in the year 2008, to bridge the skill-set gaps between corporate expectations and graduates students coming out of academic portals.

PGDM Program Objectives

Broad objectives are to develop students into leaders and develop to tackle the challenges of today's global business environment and improve competencies with knowledge in key business functional areas.

The two-year Postgraduate Diploma in Management Programs prepares students not only for careers in industry, but also equips them with Entrepreneurship skills to start their own business. The graduates are expected to identify & solve contemporary social problems, understand business ethics and demonstrate ethical values in organizational decision-making. ESCI nurtures the ambitions of the students to excel in their area of interest without compromising on ethics and values.

ESCI-SPGS initially launched a two-year full-time AICTE approved PGDM-Infrastructure Management program exclusively for engineers in the light of growing importance for infrastructure sector. The program PGDM in Infrastructure Management is a unique program taken up by SPGS to nurture techno-management professionals in power, civil, telecom and transportation sectors.

To synergize with the current business environment, SPGS also started a two-year AICTE approved PGDM program for graduates in 2011 with various specializations including Marketing, Human Resource, Finance, Operations, Business Analytics and Telecommunications

Programmes

Infrastructure Management:

Infrastructure Management is concerned with assessing the need for and bringing into being, operating, and maintaining assets that are at the core of the society. This course presents an integrated

approach to the management of infrastructure systems and introduces students to the fundamentals of structuring, financing and regulating infrastructure programs, particularly those operating in the core areas of Civil, Telecom, Power and Transportation Engineering. PGDM-IM is designed for engineering graduates who intend to pursue a career in infrastructure management.

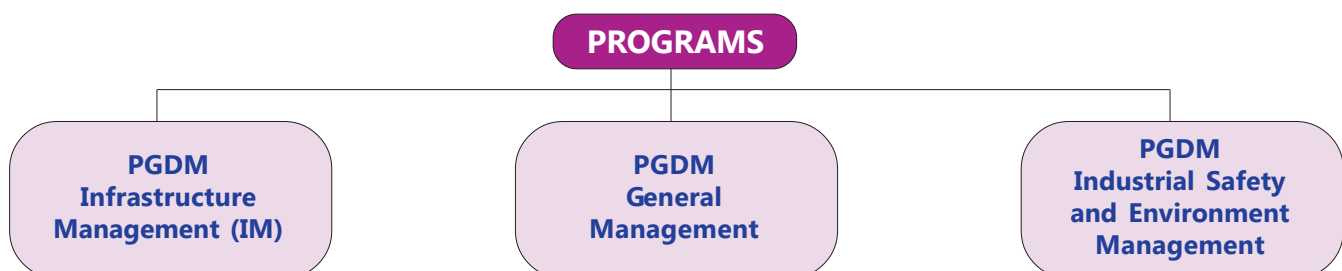
General Management:

The main objective of this program is to equip the graduates with qualitative, managerial and behavioral skills to emerge as competent managers & leaders. During their two-year course period apart from the regular management foundation course, the students are exposed to various practical training sessions like employability skills, IT skills, soft skills, personality development and entrepreneurial skills. A Combination of major and minor specializations in Finance, HRM, Marketing, Business Analytics and Operation Management in second year will provide an opportunity to master the skills in their core area of interest

Industrial Safety and Environment Management:

Safety is an underlying criterion in all activities towards sustainability, health and hygiene. Engineering Staff College of India has taken note of the importance of safety in all branches of engineering and promoted a forum for safety paired with Quality. Applications of Safety Science and Technology are not limited to Industries but extent to all fields. ESCI considers and promotes Safety and Environment as inter-disciplinary subjects.

Apart from the regular curriculum the students are encouraged and trained to get certified for various certified programmes like Digital Marketing, Project Management, ISO quality certifications, Six Sigma and Entrepreneurship development etc.



Value additions in the course

The strength of any course is judged based on the transformation of raw graduates to the industry acceptable inputs, to hire them subject to matching the corporate expectations and the skills the job market anticipates from these latent grads. ESCI has taken adequate care in imparting courses, with the required inputs that are built-in the curriculum and

also creating an environment suitably around them. To mention a few, Value Addition

- Exposure to Entrepreneurship skills training
- Communication and Soft Skills Training.
- Business skills of leadership, teamwork, decision-making and focus on the proposed study tours.
- Industry-Institute Interface.
- Challenging and stimulating environment with international perspective, specifically designed for those who wish to develop their career in the global arena.

Placement

Placement assistance is provided by ESCI. About 90% of the students are placed in different Corporates.



ALLUMNI MEET



Introduction

Institution of Engineers (India) has setup laboratories in Mechanical Engineering, Electrical Engineering, Civil Engineering and Electronics Engineering at ESCI Campus to conduct practical training and examinations for the students appearing in different disciplines of AMIE. ESCI is also inviting the students from various engineering colleges for preparing themselves by practicing in

these labs before they appear in the final examinations. The rich knowledge and experience of the associated faculty are available to teach and train fresh engineering graduates to acquire the required skill sets suitable for the industry also.

1. Mechanical Engineering Laboratory

The Mechanical Engineering Laboratory has the following working lab apparatuses for demonstration/ experimentation:

Hardness Tester (Rockwell, Brinell)	Thermal Conductivity Measurement Apparatus
Strain Measurement Tutor Using Strain Cantilever	Thermal Emissivity Measurement Apparatus
Pendulum Impact Testing Unit (Charpy, Izod) (Free Convection, Vertical Pipe)	Convective Heat Transfer Measurement Apparatus
Apparatus for Study of Whirling of Slender Shafts	Parallel and Counter Flow Heat Exchanger Apparatus
Apparatus for Static and Dynamic Balancing of a Rotating Shaft	Diesel Engine Test Rig with Electric Dynamometer
Flow Measurement by Venturi and Orifice meter	Multi-cylinder Petrol Engine Test Rig
Friction Loss Estimation in Fluid Flow Through Circular Pipes	Multi-stage Centrifugal Pump Test Rig
Kaplan Turbine Test Rig	

Apart from the above, the following models are also available for assisting the comprehension of the students:

Slider Crank Mechanism	Expansion Steam Trap
Differential Gear Assembly	Float Steam Trap
Pelton Turbine	Cut Section of a 4-stroke diesel engine
Francis Turbine	Cut Section of a single-cylinder, 4-stroke petrol engine
Spring-loaded Safety Valve	Carburetor (Solex type)



2. Electrical Engineering Laboratory

The Electrical Engineering Laboratory is equipped with latest hardware-simulators wherein candidates can make different connections and conduct experiments related to the modules described below. The facilities are designed not only to safely withstand inadvertent human errors of the students but also to simulate typical faults to help the candidates get a hands-on experience of the effect of these faults and drill them in developing resolute and correct reactions.

- (a) Single Phase Transformers : to conduct a) Polarity test; b) Paralleling test; c) Series connection test;
- d) Parallel connection to identify/correct wrong wiring, if any; etc
- (b) Three Phase Transformers Parallel Connection : a) Sharing by current by transformers; b) Measuring power drawn by each transformer; c) Connecting energy meter and calibrating; etc
- (c) Three Phase Transformers : (Primary Winding, Secondary Winding, Tertiary Winding and Zigzag Winding): a) Star/Star Connection, to measure primary secondary voltages/currents simultaneously;
- b) Delta/Star Connection, to measure line current and phase current; c) Star/Delta Connection, to measure circulating current in delta winding (simulate a wrong connection)
- (d) DC Shunt Motor : Connect variable speed drive, a) measuring speed; voltage and current; b) measuring armature voltage and current on load; c) measuring speed on load; d) measuring speed during 'field weakening'; e) determining load-speed characteristics
- (e) Power Transmission Line Trainer : a) Assembling the trainer kit; b) Studying Ferranti effect & calculating the charging current; c)

Determination of transmission line constants (A, B, C, & D) by (i) knowing component values and (ii) 2-port experimental method; d) Verification of R, L, C component values from the four transmission line parameters (i.e., A, B, C, D) using Pi model; e) Conducting laboratory load test and calculation/measurement of regulation, efficiency & power factor; f) Capacitive VAR compensation; g) Identifying symmetric & asymmetric faults

- (f) AC Motor : a) DOL starter; b) Star/delta starter; c) Forward / reverse phase sequencing; d) Adjustment of overload relay
- (g) Measuring Instruments : a) IR values (M&I) of electrical equipment; b) Winding resistance (m&I);
- c) Checking the BDV of transformer oil

3. NABL Accredited: Civil Engineering Testing Laboratory (CETL)

Civil Engineering Testing Laboratory (CETL), is for supporting quality testing of Civil Engineering Materials. CETL provides services in many fields such as Soil Testing, Sub-Soil investigation, Non-Destructive testing, third party inspection for Quality Control and Quality Assurance. CETL is established in an area of 4000 Sq ft. Laboratory building and is equipped with all the latest equipment for soil, material testing activities. To providing quality services to customers, these test equipment and machinery are duly calibrated and maintained through NABL approved Laboratory and monitored by engineers having vast experience in quality control in many disciplines of work. **CETL** is having competent workforce having Post Graduates / Graduates / Diploma Engineers in respective fields. Training is provided continuously to employees to enhance competence. All tests are conducted as per applicable National / International Standards. Library of ESCI is having required literature to conduct tests including the latest National / International standards. CETL is recognized by its clients for quality work, services



and solution of problems.

(a) The main clients include :

- (i) AP & Telangana I& CAD Dept.
 - (ii) AP & Telangana SWREI Society
 - (iii) HMWS & SB
 - (iv) Public Health Engineering Department
- The CETL of ESCI is accredited by NABL with certificate number TS-6691 in the following scope.

- (i) Soil Testing
- (ii) Bricks Testing
- (iii) Concrete Testing
- (iv) Aggregates (Coarse and Fine) Testing

Intending to achieve continual improvement and enhancing customer satisfaction, this Laboratory has been implementing **ISO 17025:2005** System.

Our Laboratory is one of the laboratories in Hyderabad to meet the testing requirements of several Engineering

(b) Material testing :

4. Electronics & Communication Engineering Lab

1.	Circuit Theory – Characteristics of RC Networks	Nvis 6514
2.	Circuit Theory – Max Power Transfer Theorem	Nvis 6509C
3.	Circuit Control – Study of Synchros	Sciencetech 2455
4.	Circuit Control – Study of ac or dc Position Control System	Sciencetech 2306
5.	Circuit Control – Study of a Differential Amplifier	Nvis 6522
6.	Circuit Control – Studies on J - K Master Slave Flip Flop and Counters	Nvis 6550
7.	Communication Engg., Analogue Devices – Study of Amplitude Modulation and Demodulation	Sciencetech 2201+ Sciencetech 2202
8.	Communication Engg., Analogue Devices – Study of Frequency Modulation & Demodulation	Sciencetech 2203
9.	Communication Engg., Analogue Devices – Study of A/D conversion, D/A conversion & Pulse Code Moduln.	Sciencetech 2802
10.	Communication Engg., Analogue Devices – Study of Digital Modulation Schemes	Sciencetech 2807

materials mentioned above under 'one roof'.

5. Computer Science & Engineering Lab

IT Lab Infrastructure:

Well-equipped Advance IT Lab with

IBM Servers, CISCO ASA-5520 Firewall, CISCO 3750 Layer 3 Switch, CISCO Router 2621 XM, Cisco Layer 2 Switch WS-C2950, Juniper Security Gateway UTM SRX 240H.





A 70 acres sprawling campus of ESCI situated in serene and tranquil surroundings in the institutional area popularly known as Gachibowli / Cyberabad surrounded by multinational IT Companies and Educational Institutions. The entire campus is Wi-Fi enabled.

- 2 seminar halls can accommodate about 200 and 60 delegates.
- 2 classrooms can accommodate about 30 and 20 participants.
- Online EBSCO and J-Gate database services are available for reference in various disciplines..
- 100 periodicals including international journals.
- 8500 books and reports
- Total 8 classrooms in Main Building.
- 2 dining halls which can accommodate 200 participants at a time along with Guest Speakers.
- Kautilya block which consists of 16 classrooms.
- The power generated by this SPV is used for internal consumption.
- Excess energy generated is exported to Telangana State Distribution Company.
- Total 120 KWp Grid Interactive Solar PV Power Plant is installed in the campus.
- The vehicle parking shed roof is also mounted with 20 KWp Solar Photovoltaic.
- 5 executive hostel blocks and a Jubilee Block with twin sharing Air-Conditioned accommodation.
- All are equipped with Solar Water Heaters & Wi-Fi enabled.
- Total 150 participants can be accommodated at a time.
- The Family Accommodation has to be booked in advance.

Chanakya Seminar Complex & Information Centre



Class Room & Dining Hall



Kautilya Block & Roof Mounted Solar Photovoltaic



Accommodation



Skill Development Centre



Skill Development Sheds (3 Nos) will be accommodating 450 people (150 each) for conducting Skill Development Programmes.

Centenary Convention Centre



The Convention Centre will be accommodating more than 800 delegates with adequate space for exhibitions, parking area and dining facilities plus two (2) mini seminar halls of 150 & 100 participant's capacity and exhibition cum display area of double height. 4 Lecture halls with 50 delegates seating capacity.



International

- Chhukha Hydro Power Corpn., Bhutan
- Kholongchhu Hydro Energy Ltd. Bhutan
- Druk Green Power Corporation, Bhutan
- Tala Hydropower Plant, DGPC, Bhutan
- PCAL, Gomtu, Bhutan
- Bhutan Power Corporation Ltd., Bhutan
- Kurichhi Hydro Power Plant, DGPC
- Nepal Electricity Authority, Kathmandu



United Nations



- International Science, Technology and Innovation Centre for South-South Cooperation (ISTIC).
- UNICEF

Government of India



State Government

- Govt. of AP – APCRDA, PRED, WRD, GVMC, TWED
- Govt. of Bihar – WRD
- Govt. of Chattisgarh – CSIDC, ECB, CHB, SUDA, WRD
- Govt. of Goa – WRD
- Govt. of Gujarat – GETRI, GETCO, GEMI, GIDC, GSPL, GWS&SB
- Govt. of HP – HPSIDC, HP Road & Other Infra Corpn
- Govt. of Jammu & Kashmir - CCDU
- Govt. of Karnataka – BMRCL, BWS&SB, KUFIDC, KRRDA
- Govt. of Kerala – GCDA, KWA
- Govt. of Maharashtra – CIDCO, MSPHWC, WRD, MAHAGENCO
- Govt. of Madhya Pradesh
- Govt. of Odisha Dept. – CESU, NHM, PHWC
- Govt. of Punjab & Haryana Depts. –DWS, HPHC
- Govt. of UP Depts. – SWRA, AGRI
- PDTC-Power Distribution Training Centre
- Govt. of Tamilnadu – CMWS&SB, CMDA, CPCL, PR, Dir. Of Town Panchayat, TCCL, TWAD Board
- Govt. of Telangana Depts. – AGRI, CDMA, HMWS&SB, RWS&S, TUFIDC, TDWSP, TSIIC, GHMC, PHC, TMDP, TSRTC, I&CAD
- Pollution Control Boards – CPCB, AP, Goa, MP, Tripura, Delhi
- Power Utilities - Ajmer, Assam, AP, Bihar, Chattisgarh, Delhi, Karnataka, Kerala, Orissa, Gulbarga, HP, Maharashtra, Punjab, Puducherry, TN, West Bengal, WRLDC – POSOCO, Tata Power
- RRVUNL, Rajasthan
- Uttar Pradesh Power Corporation Limited (UPPCL), Lucknow
- Urban Local Bodies (ULB) Functionaries, Govt. of : Andhra Pradesh, Chattisgarh, Chandigarh, Jarkhand, Haryana, Puducherry, Rajasthan, Tamilnadu, Telangana, UP & West Bengal



Public Sector Undertaking & Industries

- BBMB, BCCL, BDL, BEST, BPCL, CCL, ECIL, HAL, HPCL, IIRS, IOCL, IICT, NEEPCO, NEERI, NMDC, NRSC, ONGC, PGCIL, SAIL, SCCL, THDC, WCL, MCL, ECL, SECL, NTPC, NCL, NLC
- Airports Authority of India
- Central Mine Planning & Design Institute Ltd.
- Central & Eastern Coalfields
- Centre for Water Resources and Management
- Cochin Shipyard
- Damodar Valley Corpn.
- Heavy Water Board
- Jal Kal Nagar Nigam
- Uranium Corporation
- Visakha Refinery
- Oil India
- OTPC-ONGC Tripura Power Company
- REC-Rural Electrification Corporation
- L & T TIIIC
- Tata Sponge Iron
- Hubert Enviro Care Systems (P) Limited
- JV Analytical Services
- Synergies Castings Ltd.
- Tirumala Tirupathi Devasthanam
- The South Indian Bank Ltd.
- Toshniwal Hyvac Calibration Lab Private Ltd.
- Heavy Engineering Corpn Ltd.
- Mangalore Refinery and Petrochemicals Ltd

Private Sector Undertakings

- Unistar Environment & Research Labs Pvt. Ltd.
- UP Rajakiya Nirman Nigam Ltd., Lucknow
- Aparna Constructions
- Torrent Power
- KN Swamy Associates and Engineers, Hanamkonda, Warangal TS
- ITC Limited, Agri Business Division, Anaparthi
- M/s. S.V. Precision Instruments, Hyd,, Telangana
- Medida Laboratories & Engineering Consultants Pvt., Ltd., Hyd, TS
- Silicon Carbide Division, Solid State Physics Laboratory (SSPL), Delhi
- Absolute Software India Private Limited, Hyd,
- MVTC, Bhupalpally, Jayashankar, Warangal, TS
- Pendikanti Institute of Management, Hyd
- Meenakshi Group
- Odisha Coal and Power Limited
- Kesoram Cements
- AMR Ltd
- Orient Cements
- Nagarjuna Cement Industries
- Chettinad Cements
- Adani Enterprises
- Aditya Birla
- SIMCO Calibration Laboratory, Sec'bad TS
- Honeywell Technology Solutions, Financial District, TS
- Ganga Calibration Services Pvt. Ltd., Cooperation Industrial Estate, Balanagar, Hyd,
- Structural Solutions Pvt. Ltd., Hyd, TS
- National Academy for Training and Technical Services, Hyd, TS
- M/s. KIWIS ECO Laboratories Pvt. Ltd., Hyd TS
- Perfomics Analytical Labs LLP, Hyd, TS
- Packaging Clinic & Research Institute, Secunderabad TS
- VK,Biosciencies Private Limited, Mallapur, Hyd,
- GMP Pharma Consultants, Fairview Apartments, Habsiguda, Hyd, TS
- Earth Care Labs Private Limited, Nagpur (Maharashtra)
- SimSon Life Sciences Pvt Ltd., Kukatpally, Hyd,, Telangana
- SEW constructions,
- Adani Road Transport Limited, Gujarat
- Indu Projects
- Ramky Industries
- Aparna Constructions and Estates Private Limited



Universities & Engineering Colleges

- Basaveshwara Engg. College Bagalkot
- Andhra University, Vishakapatnam
- College of Engg., Trikaripur Kerala
- Delhi Technological University, New Delhi
- Dr B. R. Ambedkar Institute of technology - Andaman & Nicobar Islands
- GITAM University, Vishakapatnam
- Govt. Engineering College, Jagdalpur, Chhattisgarh
- Guru Jambheshwar University of science and technology
- Harcourt Butler Technical University (HBTU), Kanpur
- Sikkim University
- Tripura University
- Gauhati University, Assam
- Osmania University, Hyderabad
- Pondicherry University, Puducherry
- IIIT Basar Institute of Engg. Technology, Lucknow
- Jadavpur University, Kolkata
- JNTU - Hyderabad, Kakinada, Anantapur.
- MGM College of Engineering - Nanded, Maharashtra
- SV University - Tirupati
- University Institute of Chemical Technology (UICT) Jalgaon, MS
- VJTI - Mumbai
- Shri Venkateshwara University, Uttar Pradesh
- MNIT, Jaipur
- Krishna University, Machilipatnam





Dr G Rameshwar Rao obtained B.Tech degree in Civil Engineering from JNTU, Hyderabad, M.Tech (Environmental Engg) from JNTU, Hyderabad and Ph.D from Osmania University.

He started his career in HMWS&SB during 1981 as Assistant Engineer / Assistant Executive Engineer and also worked in various positions from 1996 to 2014 and later elevated as Director (Operations) in HMWS&SB from 2014 and in charge for the operation & maintenance of water supply and sewerage system in core city / peripheral municipal circles.

He actively involved with formulation & implementation of various water supply & sewerage infrastructure proposals including Krishna Drinking Water supply Phase – I,II, III, Godavari Drinking Water Supply Project Ph-I, NRCD Ph-I, JNNURM and Operation & Maintenance of Transmission Systems etc.

He also implemented the water supply and sewerage projects duly considering all the Environmental Impact Assessments as per the guidelines of CPHEEO / NRCD, MoEF / JNNURM / World Bank / JICA etc.

Dr. Rameshwar Rao received various prestigious awards for recognition of his outstanding contributions in the field of Environmental Engineering.

He is associated with several professional bodies like Fellow of Institution of Engineers (India), Life Member of Indian Water Works Association; Member of American Water Works Association; Fellow Member of Indian Institution of Technical Arbitrators; Fellow Member of Association of Consulting Civil Engineers (India); Life Member of Indian Concrete Institute; Life Member of Indian Building Congress and Life Member of Administrative Staff College of India Association.

He contributed more than 30 papers in Drinking of Water Supply and Sewerage Systems in National and International Conferences and also delivered Invited Talks in various National and International Level.

He associated with IEI for more than 36 years. He served as Joint Hon. Secretary for the session 2014-2016 and he was first Hon. Secretary of IEI, Telangana State Centre for the session 2016-2018. During his tenure as Hon. Secretary, he organized 220 events including International Conferences, National Conventions, All India Seminars; Workshops and Round Table Conferences covering all disciplines of the Engineering with an aim to disseminate the latest knowledge in Engineering and Technology to the Engineering Community.

He was elected as Chairman, IEI, TSC for sessions 2018-2020 and organized the following major events besides that All India Seminars; Round Table Conferences; Web Conferences in various contemporary topics in the present scenario:

1. International Conference on "Mining, Present, Future Investments, issues and Challenges" was organized during 23rd to 25th October, 2019.
2. The International Conference on "Environmental Degradation: Key Challenge to Sustainable Development" was organized during 22nd to 24th November, 2019.
3. 34th Indian Engineering Congress was hosted from 27th to 29th December, 2019 and received accolades of the elite of the participants. During the Congress, he received a Best State Centre based on the activities organized during 2018-2019.

As ex-Officio Council Member of IEI, he is serving a number of Committees as Chairman and Member. Presently, Dr G Rameshwar Rao is holding as Director, Engineering Staff College of India.





Ms. Anita Aggarwal (Faculty & Head I/C - CCC & EM Divn) is a B.E. Civil, M.Tech in Environmental Science & Engineering from IIT (ISM) Dhanbad. Thirteen years of experience in domains related to Water Supply, Sewerage, Waste Management and Training & Teaching. Her areas of interest are in water supply, environment & solid waste management, technical estimation of civil Infrastructure and software applications related to water supply & sewerage system.

Dr. R. Venkat Reddy (Sr. Faculty & Head I/C - CTE Divn), completed B.E. in Mech. Engg. from Marathwada University, M.S. in 1989. He obtained his Master's degree in Production Engg. from JNTUH, Hyd. in 2001 and acquired Doctor of Philosophy in Mech. Engg. from prestigious OU, Hyd. in 2013. He has Total 22 years of experience in teaching at various levels from Asst. Professor, Asso. Professor, Professor and HOD including 12 years of experience in administration as a Professor & HOD and 7 years of experience in industry. He published 55 research papers in international, national journals and conferences in Elsevier, ASME, SPRINGER, Scopus indexed and UGC journals. He published 7 text books, 4 Patents and 1 Consultancy work. By dint of hard work and devotion to duty, he earned "Best teacher award". Received Engineering Excellence Award from Institution of Institutions (India), Jaipur, Rajasthan on the occasion of 75th independence celebrations, on 15-08-2021.



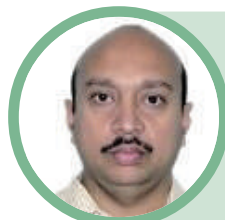
Mr. Ch Tilak (Faculty - CTE Divn) is B Tech Civil Engineering and M Tech in Transportation Engineering. Worked as Head of the Department & Assistant Professor in Annamacharya Institute of Technology & Sciences, JNTUH Affiliated Engineering college in Hyderabad for 5 years. Presently working as Faculty in Civil /Transportation Engineering Division- ESCI Hyd.

Dr. N V S S Sagar (Faculty & I/C - DPC Divn) completed his PhD in the domain of Additive Manufacturing and Unmanned Aerial Vehicles. He did his graduation in Mechanical Engineering & M.Tech in CAD/CAM. He has over 9 years of experience, out of 8 years as faculty at various engineering colleges/universities & 1 year in industry as a product development engineer. His area of interest includes additive manufacturing and unmanned aerial vehicles. Presently he is working as faculty in the division of Design Prototyping Centre & Mechanical at Engineering Staff College of India. He has five peer - reviewed International Journals and five International Conference Proceedings on his credit.



Mr. Sai Kishore (Faculty & Head - FDP Divn) has over 11 years of experience in Training, Consulting & Industrial relations. He presented many Technical Papers at National & International Level. His areas of interest include Embedded Systems, Unmanned Aerial Systems, 3D Printing, 3D Scanning & Small Satellites. He has expertise in coordinating activities under World Bank-TEQIP Programmes and instrumental in conducting activities for the students, Teaching & Non-Teaching Staff/Admin Staff across the country. He is an expert in organizing International Conferences & Indian Engineering Congresses which showcases the best possible Disruptive Technologies. He is presently aligning the ESCI workshops/training programs with India's National Missions: Skilling India, Digital India, Make in India, Start-up India, Stand-up India, & Smart Technologies for Smart Cities. He believes in continuous & sustainable training as an enabler for humankind & is eager to educate people in realizing their true potential. He has trained around 4500 technologists/faculty/students during his illustrious career.

Mr. Syed Azgar (Sr. Faculty & Head I/C - IT Divn) is a MBA (IT), having 20+ years of training experience (11 years in Corporate Training & 9 years in System Administration in different major IT organizations). He is Red Hat Certified Engineer (RHCE), Microsoft Certified System Administrator (MCSA). Trained nearly 6000 participants in IT Infrastructure Management, Linux Administration, Windows Administration and Information Security.



Dr. P.V.S.S. Sridhar (Sr. Faculty & Head I/C - M&T Divn) is a B.E in Mechanical Engineering from University of Madras and M.E in Industrial Metallurgy from Bharathiar university, Coimbatore. He has completed Ph.D. in Welding Engineering from Indian Institute of Technology Guwahati, North Guwahati, Assam. He has 17+ years' experience in Industry, research, Teaching and Training. He also published research papers in reputed International Journals, Conferences, and in Book chapters. He has conducted mosaic of training programmes in various spheres of Management and Frontier technological areas. He has attended several training programmes under AICTE and TEQIP-II. He is a reviewer of Material Science and Engineering-A (Elsevier).



Dr Katti Bharath (Faculty - M&T Divn) has done B.Tech in Mechanical Engineering from MGIT-Hyd., M.Tech & Ph.D from NIT-Warangal. He has completed Ph.D in Metal Forming & Modeling. He has published research papers in reputed journals and presented many technical papers write in National/International conferences. He has worked on a govt., project "Advanced Tantalum alloy Bulk metallic Glasses" during his tenure in DMRL (DRDO). He has attended several training programmes under AICTE and TEQIP-II. He has got Research Excellent Award 2020 from Institute of Scholars (InSc) and best presentation awards in International Conferences. He is a Level-II certified person in different NDT techniques. His key areas of interest and research include Metal forming, Modeling and Simulation, Deformation, Light weight metals and Welding & NDT. He has been involved in various capacities in teaching, research, & institution building. He has more than 6 years of research experience from different national organizations.



Er K J Amarnath (Sr. Faculty & Head I/C - Mining Divn) is a Gold Medalist, in BE (Mining Engineering) from College of Engineering, Osmania University, Hyderabad and holder of First Class Manager's Certificate of Competency issued by The Director General of Mines Safety. He retired as Chief General Manager from The Singareni Collieries Company Ltd. (A Government Company). Further, he was a Director in NSGPVL, A Joint Venture Company of NTPC Ltd. and The Singareni Collieries Company Ltd. He visited the United Kingdom, Spain, United States of America & Australia. He was on the Board of Studies in University College of Engineering, Kakatiya University and College of Engineering, Osmania University. He is a Fellow of Institution of Engineers and Life Member of MEAI, MGMI. Presently, he is employed as Senior Faculty-Head, Mining Division, Engineering Staff College of India, Hyderabad.



Dr M S Venkataramayya (Advisor - Mining Divn) is a postgraduate in Mining Engineering from Kothagudem School of Mines, Osmania University and obtained his Doctorate from NITK, Surathkal, Karnataka. He served in The Singareni Collieries Company Limited for 37 years in various positions and superannuated in 2017 as General Manager. He is presently working as Professor in Mining Department in Malla Reddy Engineering College, Hyderabad, Guest faculty in College of Engineering, Osmania University and also a member of Board of Studies in various Engineering Colleges in the States of Telangana and Andhra Pradesh. He is also holding the position as Adviser, Mining Division in Engineering Staff College of India Hyderabad.



Er. Vidya Sagar Ubba (Sr. Faculty & Head - P&E Divn) prior to his joining, he retired in the cadre of Chief Engineer (CGM) from Southern Power Distribution Company of Telangana (TSSPDCL) after a three decades of service rendered in erstwhile APSEB, AP Transco and APCPDCL in combined states of AP and in present TSSPDCL in Telangana State. Graduated in Electrical Engineering, and Post-Graduation in Computer Science both from O.U. College of Engineering, and Post Graduate Diploma in Energy Management from University of HCU, Hyderabad. He received many awards/ rewards to his credit during the service such as "Best Divisional Engineer Operation" in 2007, "Sir Mokshagundam Visveswarayya Award" in 2013 for Best Performing Engineer, "Dr. Abdul Kalam Excellence Award" - 2017, etc. He worked in various capacities i.e., CGM (Metro Zone, Hyd), CGM/ (O&M), SE Operation / Ranga Reddy Circle, SE (IPC), SE (LMRC), SE (Assessments), DE / Tech to Chairman & Managing Director, DE/ opns, etc.,



Mr. A Chandra Mohana Rao (Advisor - P&E Divn) is a B.E in Mechanical Engineering from SV University and M.Tech in Machine Design from JNTU, Kakinada. Qualified BOE from AP State and Certified Energy auditor by BEE. He has been trained as a trainer for rooftop Solar Grid engineer by National Institute of Solar Energy. 500mW Thermal Plant Operator and Maintenance Engineer of Nuclear Reactors Level – II. He has experience of 36 years in Nuclear and Thermal Power Plants, as a Scientific Officer C to G in DAE and Asst. General Manager at TATA Power and General Manager at ACC. His areas of expertise are in Commissioning and O&M of Power Generation. He is Fellow Member of IE (I).



Dr. V.Vidyaasagar (Sr. Faculty - P&E Divn) is a Doctorate in Mechanical Engineering from RTM Nagpur University, Nagpur. Certified Energy Auditor from Bureau of Energy Efficiency, (GoI). Retired as Director from National Power Training Institute, Min. of Power (GOI). Contributed for about 26 years in the training of Power Sector Personnel. A faculty on Full scope, Real Time, Fossil fuel fired, 210 MWe, Thermal Power Unit, Operation Simulator, conducted training programs for various levels of engineers in Operation & Performance monitoring aspects of Thermal Power Plants. Prepared training Manuals on "Atmospheric Fluidized Bed (AFBC) Boilers" & "Boiler Tube Failure Analysis & Prevention"



Mr. B. Mohan (Jr. Faculty - P&E Divn) is Master in Power Engineering & Energy System and BTECH in Electrical & Electronics Engineering From JNTU Hyderabad. 4 years' experience in Quality control in indian railway projects (Electric Locomotives). His areas of interest are Testing and Quality control of Electronic system, Expertise in E-Tendering in IREPS System.





Mr. Mogulla Srikanth (Jr. Faculty - P&E Divn) is Master in Power Electronics From Kakatiya Institute of Technology and Science and B.TECH in Electrical & Electronics Engineering From JNTU Hyderabad .2 years' experience in 33KV Substation Installation, Testing & Commissioning and 1 year Experience 10MW solar power plant . His areas of interest are Solar energy and Transmission System .Expertise in Solar and 33KV Substation works.

Dr. Prof. C. S. Krishna Prasada Rao (Sr. Faculty & Head - Q&P Divn) is a B.E in Mech. Engg. from College of Engg., O.U., Post Graduate in Tool Engineering from National Institute and M.Tech from JNTU Hyderabad. He did his Ph.D in the area of advanced Metal forming science from O.U. He joined Tata Engineering and Locomotive Co. Ltd as Asst. Engineer and rose to the level of Sr. Engineer and served the Organisation for 7 Years. Later he joined BDL, Ministry of Defence as Dy. Manager and rose to the level of General Manager and served the Organisation for 30 Years. He held important positions in BDL as Head Tool Engg. Diversification, QC, Assembly, CDO Division. He has published and presented 70+ Research papers in Journals & Conferences. Presented & Published a paper at 9th world conference on applied sciences, Engineering at the American Business School, Paris, France. He was awarded Engineer of the Year award, Bharatratna sir MV award by institution of Engineers and Govt. of AP. His name is figured in Asian Book of Records for outstanding contribution. He is a member of MIAQG (USA), MSAE (USA), MIAE (Hongkong), MISTE, MINVEST, MIISM, FIE, MAESI Life member TSI, ASCI.



Mr. M. Raja Sekhar Reddy (Sr. Faculty & Head - WRD Divn) is AMIE in Mech. Engg. & M.E in Thermal Engineering (I.C. engines) from ANNA University, Chennai. He Served in AP/TS, PR Engg. Dept. around 34 Years in Various Capacities from AEE to Chief Engineer. He has rich experience in planning, Designing and execution of water supply projects. He is an expert in organizing international conferences, Trainings in water supply & sanitation sectors. Trained large number of Engineers in water, Sanitation & Rural Development Sector. He is Associated with UNICEF/UNDP/ World bank for development of India Mark – III Hand Pumps, Low cost alternative Technologies for village level Maintenance with UPVC Pipes under Global hand Pump Testing Project in RR Dist. His areas of expertise are in Rural infrastructure development like Rural roads & Bridges under PMGSY Programme, 2 BHK Under WSH Programme & Planning and Execution of R&R Colonies for Submerged Villages under Kashewaram Project, Siddipet District, Telangana State.

Mr. M Ram Mohan (Advisor – WRD Div) has joined as direct recruit Engineer Trainee in BHEL and Served as a Production Engineer for 5 years. Later he joined as direct recruit Deputy Executive Engineer through AP Public Service Commission and Served in Water Supply Department from 1981 to 2010 and Retired as Chief Engineer. Executed Major Water Supply Schemes and Sanitation Schemes in Erstwhile Andhra Pradesh State. Trained a large number of Engineers in Water and Sanitation Sectors. As Project Director (SWSM) Government of Andhra Pradesh implemented sanitation programme in the State achieving more than 1000 Nirmal Gram Puraskar Awards. As Senior Faculty in ESCI trained thousands of Engineers in WASH Sector. As State Director implemented Swachh Bharat Mission in Telangana. As State Director (SWSM) associated closely with implementation of "Mission Bhagiratha" Drinking Water Project in Telangana.



Mr. Naresh (Faculty & WRD Divn) is a B.Tech in IT & M.Tech in Spatial Information Technology (Remote Sensing and Geographical Information System) from JNTU, Hyd, 12 years' experience in training in Water Resources Development and Management and research activities in National and International Projects. Published technical papers in various National and International conferences and Journals. His areas of interest are Advanced Surveying Technologies, Remote Sensing, Geographical Information System and Global Positioning System. Member of Professional bodies ISTE, ISRS, ISGM and Member of IE(I).

Mr. B Jagadishwar (Chief Projects Coordinator - Project Divn) is a B.Tech Mechanical from JNTU Hyd. He served I&CAD Department of Government of Andhra Pradesh for 34 years. He actively involved and played a key role in grounding and execution of the longest 44 KM long Irrigation TBM tunnel of SLBC. He successfully executed and commissioned the Akkampally Balancing Reservoir, a key source of drinking water needs of Hyd, Metropolitan city. Envisaged, planned and executed the model R&R village of PA Pally one of its kind in the Country. An environmentalist and an active member of Green Brigade.



Mr. M B Praveen Kumar (Sr. Consultant - Project Divn) is graduated in Mechanical Engineering from College of Engineering, Osmania University, Hyderabad. Server for about 34 years in the Govt., of Andhra Pradesh / Telangana in various capacities ranging from Asst. Executive Engineer up to the Director of HMWSSB. Has a vast experience in Planning, Designing & Execution of Water Supply & Sewerage Schemes in the twin cities. Has executed several schemes including the construction of Reservoirs, laying of Pipelines, Erection of Pumps etc. Has a rich experience in Operation & Maintenance of Water Supply & Sewerage Systems. Also has a vast Administration Experience of more than 30 years in the engineering field. Conducted several Seminars, Exhibitions, Technical Sessions, Professional Events and Conferences etc.

Mr. Aliga Raju u (Faculty - SPGS) MBA, UGC-NET, (PhD), PG & UG from Nizam College Hyderabad. 12 years of experience (5 years of Teaching and 7 years of industry) pursuing PhD from Pondicherry Central University. Teaching domain in General Management subjects like, Managerial Economics, Business Environment, International Business, SEZs and PPP etc., areas. Presented a Paper in a National Conference at Gitam University Vizag in Nov 2013 on "A narrow comparative analysis between Indian and Chinese SEZ concept" Presented a Paper in a National Seminar at Bhavans Degree College Alwal Hyderabad Oct 2013 on "Trends in e-payment system in India" Additional Responsibility as controller of examination at SPGS-ESCI.





Mr. Navin Mittal is presently the Principal Secretary, Land Revenues & Registration, Govt. of Telangana. He belongs to the 1996 batch of the Indian Administrative Services and allotted to the Telangana cadre. He stood All India 3rd in Civil Services Examinations in 1995. He is a B.Tech in Computer Science and Engineering from the prestigious Indian Institute of Technology, Delhi. He began his career as Sub Collector Mulugu in Warangal District and later worked as Project Officer, Integrated Tribal Development Agency in Adilabad District. As Commissioner for Visakhapatnam Municipal Corporation from 2002-2004, his works in the area of E- governance and Sanitation won the CRISIL awards in 2003 & 2005. He was instrumental in raising funds for VMC through India's first listed municipal bond issue. As Collector and District Magistrate of Krishna District, he successfully completed the Kolleru Operation in 2006, which involved clearing more than 15,000 acres of encroachment in the Kolleru Lake.



Prof. Anil Dattatraya Sahasrabudhe, Professor of Mechanical Engineering at Indian Institute of Technology (IIT), Guwahati. He is presently Chairman, National Education Technology Forum and Former Chairman AICTE. Prof. Anil D. Sahasrabudhe Graduated from BVB College of Engineering and Technology, Hubli affiliated to Karnataka University, Dharwad in Mechanical Engineering with First Rank and Gold medal in 1980. Subsequently, he obtained Master's and Doctoral (with UGC Fellowship) degrees from Indian Institute of Science (IISc), Bangalore in 1982 and 1989 respectively. Prof. Anil D. Sahasrabudhe has held several important Academic, Research and Administrative positions at Indian Institute of Science, Bangalore, Tata Consulting Engineers, North Eastern Regional Institute of Science and Technology (NERIST), Itanagar (Arunachal Pradesh) and IIT Guwahati. He also served as Director, College of Engineering, Pune (CoEP) since 2006. As an academician and researcher in NERIST and IIT Guwahati, and as an administrator in the capacity of Director, CoEP, he has taken up several new initiatives for Academic, Curricular & Co-curricular activities, Entrepreneurship, Research and Good Governance. He is Chairman, Basic Scientific Research (BSR), and Empowered Committee of UGC & SWAYAM Board. He is Fellow of ISTE, IET, Institution of Engineers (IE), INAE. He has been bestowed with several awards which include "Maha-Intrapreneur Award-2011" of Praj Industries, Jeevan Gaurav Puraskar (Life Time Achievement Award) from MIT World Peace University, Pune in 2019, Mahatma Gandhi Leadership award from Indian Achievers Forum and CSR Times (2019).



Prof. D.P. Agrawal was Chairman, UPSC, New Delhi for a full period of Six years. Prior to this he worked as Member, UPSC and Director, Indian Institute of Information Technology and Management, Gwalior. He also worked Dean of students, IIT, Delhi. He has initiated major reforms and improvements in the scheme of various Examinations including the flagship Civil Services Examination conducted by the Commission. Under the guidance of Professor Agrawal, Commission has played a crucial role in the international level also. Tie-ups with Canada, Cooperation with Public Service Commission's of African, Middle Asian, and Gulf Countries and also with the SAARC Countries are also made under the leadership of Professor Agrawal. He was founder Director of AtalBihariVajpai - Indian Institute of Information Technology and Management (ABV-IIITM), Gwalior from 1998 to 2003, a GOI institute under MHRD.



Prof. P.B. Sharma graduated in Mechanical Engineering from Samrat Ashok Technological Institute with a GOLD MEDAL of Faculty of Technology of Vikram University in 1969. He obtained his Post Graduate Degree in Mechanical Engineering from University of Birmingham (UK) in 1974 and received the Post Graduate Prize for being the topper of the Engineering Faculty. He later received his Doctorate Degree in Mechanical Engineering

from the University of Birmingham (UK) in 1978. Prof. Sharma is a man of vision and firm commitment and resolve to nurture academic and professional excellence in originations and Institutions to which he has associated himself during his 37 years long professional career. He brings with him a combine of the wisdom of an IIT professor, an institution builder and Director of premier institutions such as DCE and maturity to excel a university of technology of which he was the founder Vice-Chancellor. Prof Sharma is currently the Vice- Chancellor of Amity University and former President of Association of Indian Universities (AIU), Advisor and empanel expert of ESCI.

Mr. Jayesh Ranjan is a member of the Indian Administrative Service (IAS) of the 1992 batch and working in the state of Telangana. He holds a Masters Degree in Psychology from Delhi University, a degree in Business Management from the IIM, Calcutta, and Masters in Public Management from Lee Kuan Yew School of Public Policy, National University of Singapore. He has also done short courses in the University of Birmingham (on Environmental Policy Analysis), JICA training Institute, Tokyo (on lake remediation), London School of Economics (on Globalization and Leadership), Kennedy School of Government, Harvard University (in Public Policy), and Swedish Institute, Stockholm (on Sustainability and CSR). Among his other distinctions, he was awarded the Royal Order of the Polar Star by His Majesty The King of Sweden in 2019 for promoting Swedish business interests in India including the opening of IKEA's first Indian store in Hyderabad.



Dr. P Balamadeswaran graduated in Mining Engg. (B.E) from the College of Engg., Guindy, Anna University and M. Tech and Ph.D. in Mining Engineering from the Indian Institute of Technology (ISM) and holder of First-Class Manager's Certificate of Competency (Metal-Restricted) and a Recognized Qualified Person. He worked in HCL, Tamil Nadu Industrial Explosives Limited, in Indonesia and in M/s. Dempo & Co (P) Limited, Goa Since 2007, he is associated with the Department of Mining Engineering, Anna University, Chennai and presently working as Assistant Professor. He has presented and published more than 90 Technical & Research papers. He received the prestigious 'Distinguished Mining Engineer' award - 2018 from the 'Institution of Engineers (India)'. He is presently the National Council Member of Mining Engineer's Association of India (MEAI).



Dr. S. Nagabhushana Rao obtained his Masters degree in Structural Engineering from JNTU and Doctorate in Transportation Engineering from NIT (REC) Warangal. Prior to his joining in ESCI, Dr. Rao worked as Professor & Head, Centre for Transportation Engineering, JNTU. Formerly he was Chief Engineer and Executive Director, APSRTC. He has more than 35 years experience in Designs & Construction of Civil Engineering Projects. He was Professor & Principal for AITS, a reputed Engineering college in Hyderabad, Director from 2010 to 2019 May. He has more than 50 papers published in various technical journals. He is a member of Committees for the organizations like PASRTC, CIRT, NBC, JNTU, Indian Institute of Arbitrators. Etc





Prof. M.R. Madhav is an Emeritus Professor for JNTUH, IIT Hyderabad, retired from IIT-Kanpur. He obtained B.Tech, M.Tech and obtained Ph.D from IISc. Bangalore. He worked with several universities abroad - Australia, Canada, Japan, Belgium & UK. He has an experience of 60 years in Teaching & Research & Consultancy.



Dr. P. Bhaskar Mohan is an Advocate of High Court for the State of Telangana and also acting as Arbitrator and Conciliator. He obtained M.Com. F.C.S., LL.M., and Ph.D., in Law. He acted as a Sole Arbitrator on several issues to resolve the disputes. He is one of the expert faculty to ESCI - Hyderabad and Many other Institutions



Mr. Sandeep Shandilya, IPS has been appointed as new Director General of Prisons. He worked as Additional Director General of Railways and Road Safety. Senior IPS officer and Additional Director General of Police, Sandeep Shandilya assumed charge as Director, RBVRR Telangana State Police Academy (TSPA). Sir is from 1993 batch IPS officer earlier served as Additional Director General of Police, Railways and Road Safety and Cyberabad Police Commissioner. Sir has worked as SP Adilabad.



Dr. Amarendra Kumar S has a Ph.D in Transportation Engineering. Associate Professor at Department of Civil Engineering, RGUKT, IIIT - Andhra Pradesh. His specialized areas of interest are Traffic & Pavements. He is extending his consultancy services to various organizations.



Mr. Ch Santosh Kumar He obtained M.Tech in Transportation Engg. From JNTU Hyderabad. He is the Managing Director at SK Sharma Engineering Consultants Pvt. Ltd. Hyderabad. Previously worked as Quality Head in STEDRANT Techno Clinic Pvt. Ltd. He is Certified by National Council for Cement & Building Materials, Auditor empanelled by Quality Council India for auditing Ready Mix Concrete Plants Production.



Prof. V. Bhikshma obtained M.Tech, Ph.D in Structural Engg. Presently he is Professor, Civil, Osmania University, Hyderabad. 23 years experience of teaching & research work, Published 70+ research papers. He was Ex-Chairman for Indian Concrete Institute, Hyderabad Centre (ICI-HYDC).



Mr. T. Ram Babu is a consulting Geotechnical Engineer 30 years of National and international experience. He obtained B.Tech from NITW, Masters degree from Saskatoon University, Canada in Geotechnical Engineering. He established UR Ground Engineering Pvt Ltd and offering services in geotechnical field. He is also The Director in Bharat Geosystems Pvt Ltd. His passion is to develop and introduce new technologies in geotechnical engineering field in India.

Er Ranveer Singh Chauhan has passed out B.Tech 1977, He has become Chief Engineer, Uttarakhand Govt (Retd in 2013) and Past Chairman (2016-18) from The Institution of Engineers (India), Uttarakhand State Centre, Dehradun. He has 27 years' experience for Formulating Projects and Software's in MS Excel using Visual Basic Application, and 6 Years' experience in Google sheets and Google Forms. Formulated various projects/ software using Google Script. He has trained the officers of Uttarakhand State for Basic to Advanced Excel and Google Sheets/Forms for 17 batches of 4 days full day course at IET Dehradun.



Dr. Venkata Dilip Kumar P is a faculty member at Mahindra University, Ecole Centrale School of Engineering. He did his masters and PhD from International Institute of Information Technology, Hyderabad (IIIT Hyd) and has published more than 100 research papers. He has received best researcher award in the year 2017 at an International Conference held in Malaysia. He has visited more than 25 countries to share his research and also guided and encouraged more than 100 students to present their research work at various international conferences.



Dr. K. Janakiraman held key positions with M/s. OBO BETTERMANN INDIA PVT LTD., in the field of Lightning Protection, Earthing & Surge Protection. Presently he is heading Lightning Protection product vertical as Head - Technical with M/s. OBO BETTERMANN India. Worked in the field of Lightning Protection and Earthing for more than 16 years and conducted site surveys in various divisions of Indian Railways, Telecom, Oil & Gas, Army, Air Force, by extending technical support in implementation of lightning surge protection, Earthing in accordance with various IS and IEC standards. He is a Member of Bureau of Indian Standards (BIS) for ETD44 committee on "Safety of Machineries Standards".



Mr. Venkata Subba Rao Nuvusetty done M.Sc Zoology in Andra University and M.Sc (Traffic Engineering - Birmingham University, UK) and Done His Ph.D From Andra University. Sir Joined Transport Department as Direct recruit R.T.O, N.V Subba Rao worked as Asst. Commissioner, Deputy Commissioner and Retired as Joint Transport Commissioner in 2010



Smt. G. Padmaja is currently working as Asst. Vice President - Designs & Product Development in M/s Kirby Building Systems Structures India Pvt. Ltd. She obtained M Tech-Structures from JNTU-Hyderabad, MBA-HR from Osmania University, FIE-C Engg (I). She has an experience of 30 years (17 years in PEB systems).



Mr. Agnimitra Lingampeta is a Graduate in Engineering having 14+ Years of experience in Project Management, NDT/Conditional Assessment of Structures, Retrofitting works, Construction Supervision, Quantity Surveying, Quality Control aspects pertaining to Roads, Buildings, Power Plant & other infrastructure/ industrial Projects. Agnimitra done B.Tech in Civil Engineering from J.N.T.U. Hyderabad, A.P in 2007 with an aggregate of 74% marks and Pursuing M.Tech (Structures) from AITAM, Tekkali (Andhra Pradesh). Sir has worked in NDT & Retrofitting Works for 6 years+ and in Civil Construction works in Infrastructure Projects for 8+ years.





Dr. R. Srinivas Kumar has M.Tech, Ph.D (2001) Transportation Engineering from IIT Kharagpur. He is currently working as an Associate Professor and Addl. Chief Superintendent UCE - OU Exams, Coordinator ME Transportation Engineering Programmes, Osmania University, Hyderabad. He has a total experience of 26 years including research experience, UG level 11 years & PG level 6 Years. He has a National Award on "The Indian Roads Congress Committee Certificate for The Best Research Paper Publication in IRC journal during the year 2001 -2002. He is an author in Civil engineering and he has written books on Pavement Design, Pavement Evaluation, Highway Engineering & Traffic Engineering, Railways & Airport Engineering.



Mr. M. Satyanarayana passed Bachelor of Engineering (Civil) 1980-84 from Osmania University, Hyderabad and Master of Engineering (Geo tech) 1984-86 from Osmania University, Hyderabad. Sir Joined in (R&B) Department as Assistant Executive Engineer on 1.2.1986 and Promoted as Deputy Executive Engineer in August 1999 then Promoted as Executive Engineer on July 2012. Promoted as Superintending Engineer June 2017.



Dr. Sridhar Mothe is a construction industry professional with 35years experience (20years in Govt. & 15years in private) and an academician specialized in contract management and dispute resolution functions related to infrastructure contracts. After graduation in Civil Engineering from Osmania University and post-graduation from I.I.T., Madras in 1985, he joined as lecturer in N.I.T. Warangal. Afterwards got selected to Central Engineering Services (IES) in 1987 and associated with different projects. He was with NCC Ltd. till July 2022 heading Contracts & Claims of Building division. Previously he was heading Contracts & Legal dept. of SEW Infrastructure Ltd. Conversant with administration of varied forms of Govt. contracts, CPWD and FIDIC model contracts.



Mr. Krishna Prasad B S (Popularly known as KP in the Engineering Fraternity,) A Digital Transformation Leader with 22 Years of professional experience in Engineering R&D, Enterprise IT and Digital Engineering. He did his Bachelors in Engineering from JNTU Hyderabad, India and MBA from University of California, USA and Currently Pursuing Doctorate in Digital Transformation from Swiss School of Business Management, Geneva, Europe. He has successfully incubated and established engineering strategies for various fortune 500 companies and established global Engineering Centres in India and abroad.



Mr. V S Sanjay Kumar is currently working as Principal Scientist and is the Head of the Traffic Engineering and Safety Division of National Transportation Planning & Research Centre (NATPAC) an R&D Centre of Govt. of Kerala. His educational qualifications include a Post Graduate Degree in Civil Engineering (with specialization in Traffic and

Transportation Engineering in the year 2004) and B Tech in Civil Engineering (in the year 2002), both from College of Engineering Trivandrum, Post Graduate Diploma in Environment and Sustainable Development from IGNOU and Diploma in Transport Economics and Management from Institute of Rail Transport (with Bronze medal).

Ms. Satya Priya is currently the Managing Director of PMP Training Solutions. She holds an MBA and PMP from PMI, USA. She has over 25 years of experience in Dubai, Abu Dhabi as Programme Manager and Project Manager. She is also a Oracle Certified Programme and Red Hat Certified Engineer.



Mr. Murthy Retired from Coromandel International Ltd., but returned as the head of technical training for their group of companies. Leading Root Cause Failure Analyst (RCFA) with over 60 successful analyses all over India and Technical trainer for a large number of industries. He has taken up technical training sessions all over the country in many top industries. He is also Technical Director for Aswartha Condition Monitoring Engineers and adviser to Vishnu Chemicals. Author of "Spice In Science", "Over 50 Timeless Scientists", "Over 50 Exciting Experiments In Electronics", "Shape Your Lives With Scientists", "How Things Work?" Published by well-known Pustak Mahal, New Delhi. Author of ALL-IN-ONE MANUAL OF PIPING PRACTICE, published by Industrial Press, New York, U S A



Dr. P. K. Das Gupta holds MSc., M.Tech and Ph.D in computer Science. He did Management development programmes at IIM Lucknow, Ahmedabad and Kolkata. He has published over 30 research papers in computer science and he authored 10 books published by PHI, S.Chand and Co. and Khanna publishers. He is an expert speaker in Management, Computer Science and Spirituality.



Dr Ashim Kumar Bhattacharya is a Principal Technology Adviser, Trainer, Visiting Faculty and Consultant (Water-Wastewater-EHS-Sustainability). More than 32 years of versatile experience in Industry, Academia/ Training and Research in industrial/ Municipal Water and Effluent Treatment, Water Foot Print Assessment and Sustainability Studies, Membrane Tech Applications (MBR + UF + RO) with recycle and reuse, Fuel Management, Waste Management, ODS Phasing Out; Environmental Compliance, EH&S with Global Warming /Climate Change related issues. Specialties: Water and Waste Water Treatment with Recycle and Reuse leading to ZLD, Utility Water Management, Water Resource Optimization, Benchmarking, Conservation and Sustainability Studies.





Dr. Mitra has completed B.Tech from IIT, Kharagpur, MS from Vanderbilt University, USA, Ph.D from Lehigh University, USA & MBA from Virginia Tech, USA. He is a Business Professional and a Technologist. He established two successful start-ups (foreign technology companies) in India. He is an International Water & Wastewater Technologist and was recognized as a "Who's Who" in Water & Wastewater by American Academy of Environmental Engineers (AAEE) with 25 years of domestic & international water and wastewater experience. Dr. Mitra has managed and worked on hundreds of Wastewater Treatment Plant (WWTP), Sewage Treatment Plant (STP), Effluent Treatment Plant (ETP), Common Effluent Treatment Plant (CETP), Water Treatment Plant (WTP) & Sludge Treatment projects funded by International Funding Agencies (JICA, ADB, World Bank), Government & Industry



Dr. G V Subrahmanyam, former Adviser, Ministry of Environment, Forest and Climate Change has 39 Years of long and rich experience and cross-sectoral expertise in the area of environment protection and conservation. From 1976 to 1983. He conducted original research work in the area of conservation of plant genetic resources for the purpose of energy and amelioration of environmental by degradation at NBRI.



Mr. P Ranganatheeswar graduated in Mining Engineering from Osmania University in the year 1979. He served The Singareni Collieries Company Ltd. and later Directorate General of Mines Safety and retired as Dy. Director General. He worked as Secretary to the Board of Mining Examinations (Coal and Metal). He has visited Germany, France, U.K., Australia, USA, South Africa and China. After Retirement he worked as Advisor(Mining) at Gayatri Projects Limited and worked as task based Advisor(Mining) for M/s Central Coal Fields Limited.



Dr. H. Sarvothaman functioned in different scientific capacities in Geological Survey of India in many places of India before retiring as Deputy Director-General. GSI. He authored 4 (four) books. 1. WATER: Resource Augmentation, Management & Policies 2. Disaster Management: Engineering & Environmental Aspects 3. Environment Science—Issues & Solutions 4. Disasters and Hazards: Risk Reduction, Mitigation and Management. Currently, he is (i) Visiting Faculty in the Earth Science Department of University of Hyderabad; (ii) Member, Training Quality Improvement in Centres for Agrarian Studies (CAS) and Natural Resources Management (iii) Guest Faculty in GSI Training Institute, Hyderabad and Badruka College, Hyderabad



Dr. V Balaram an received M.Sc. and Ph.D. in Chemistry from the Andhra University, Visakhapatnam. He is an Emeritus Chief Scientist and Head, Geochemistry Division, NGRI, India. He is recipient "National Geoscience Award", "S. Narayanaswamy Award", "Eminent Mass Spectroscopist Award", "Mantripragada Gold Medal", Lifetime Achievement Awards for Excellence in Science and Technology, "Dr. C. V. Raman Memorial Award". He made up to top 2% of scientists globally

in 2020 AND 2021 according to the Stanford University. He has popularized science by delivering over 650 lectures in ~ 240 academic institutions across all 6 continents. He is also Mentor in 67 DST INSPIRE Science Camps all over India during the last 11 years.

Dr. Karra Ram Chandar graduated in Mining Engineering from Kothagudem School of Mines-Kakatiya University, obtained M.Tech in Rock Mechanics from IIT-BHU, Ph.D in Rock Blasting from NITK-Surathkal and Post-Doctoral Fellowship from University of Illinois at Chicago- USA. He also holds MBA degree in HR. Presently serving as Head -Dept. of Mining Engineering in NITK-Surathkal. He is involved in 7 R&D projects and 95 Industry sponsored consultancy projects, published 90 research papers. He is the recipient of "SRG IT Award", "Outstanding Young Person Award", National Award for the best research work, "IE-India Young Engineer Award", "Smt. Kiran Devi Singhal Memorial Award", "National Design Award", "Engineering Gold Medal". He is a fellow of Institution of Engineers. He visited many universities/ countries viz. South Dakota School of Mines, Southern Illinois University, Arizona State University, University of Illinois at Chicago- USA, Monash University- Australia, Kagoshima University- Japan, Institute of Petroleum- Abu Dhabi, Monash University - Malaysia. University of Hong Kong.



Prof. Uday Kumar is Director of Luleå Railway Research Center, Scientific Director of Research and Innovation (Sustainable Transport) and Member of the University Board at Luleå University of Technology, Luleå, Sweden. He has more than 30 years of experience in research, consulting and finding solutions to industrial problems in mining, railway, aviation and power plants. Some of the projects are sponsored by Indian Railways, Coal India Ltd, etc. He is also member of the Advisory Board on Emerging Technology for Vale group, Brazil. He has co-authored 7 books on Maintenance, LCC, Industry 4.0 etc. He was awarded the Nordea Science Foundation Award and distinguished alumnus award, of IIT BHU India. He is an elected member of the Royal Swedish Academy of Engineering Sciences (IVA).



Dr. Gyanindra Kumar Pradhan holds Ph.D in Mining Engineering from VNIT, India. Recipient of 'National Geoscience Award' for the year 2012, National Design Award instituted by the Institution of Engineers (India). Served Indian Mining Industry till 2023. Presently he is working Professor of Mining Engineering & Dean, Faculty of Engineering & Technology at AKS University, Satna, India. Travelled widely and authored five books on Mining & Blasting & 150 scientific and technical papers. Trained in Japan on Energy Savings & Conservation. He is also in the editorial team of the Indian Mining & Engineering Journal, published since 1961 from India. His area of interest has been rock fragmentation, mechanical cutting in surface mining, energy conservation in Mines.



Dr. N. Darga Kumar currently serving as Associate Professor and Head Department of Civil Engineering, JNTUH College of Engineering, Telangana State. He obtained doctoral degree in the field of Geotechnical Engineering from the Department of Ocean Engineering, IIT Madras. He took Foreign Teaching Assignment and served as Professor of Geotechnical Engineering and Professor of Civil Engineering at Adama Science



and Technology University, Ethiopia and Fiji National University, Fiji Islands. Published 90 articles in journals and conferences. He received the Best Teacher Award from the Adama Science and Technology University, Ethiopia. He has visited abroad on teaching assignment, as Geotechnical Engineer and presented research papers in conferences in countries like Switzerland, Italy, USA, Fiji, Ethiopia, Japan, Singapore, Malaysia, Hong Kong, France and New Zealand.



Dr. Pradeep Kumar Yemula, is an Associate Professor at Department of Electrical Engineering, Indian Institute of Technology Hyderabad (IITH). He has a Masters Degree (2006) and a PhD (2012) from Indian Institute of Technology Bombay (IITB). His research areas include Information architectures for power control centers, Common Information Models, Smart Cities, Interoperability, Demand Response, and Standards for Smart Grids. Prior to joining IITH he worked as Assistant Research Professor at the School of Electrical and Electronics Engineering at Washington State University, WA, Pullman, USA. He is a member of Power system control and associated communications (LITD 10) committee under Bureau of Indian Standards (BIS). Apart from these activities he is passionate about teaching and enjoys delivering lectures to young engineers on core power system concepts and advanced smart grids concepts. His lectures are available for free on youtube, under the channel named "Pradeep Yemula".



Mr. M. Venkateshan is currently working as DGM at SRLDC, POSOCO and is responsible for the Renewable Energy Management Centre (Operation) & Regulatory affairs. He has two decades of experience in Power sector in multi areas such as to Scheduling, Real Time Grid Operation, Real Time Security Desk, SCADA, Software development, Reactive Power & Primary Response Testing of Generators, Publishing of key Documents, O & M of Hydro and Naptha based Generation.



Mr. Abhimanuyu Gartia Postgraduate in Electrical Power System from IIT, Kharagpur with over 38 years experience in WRLDC and SRLDC of POSOCO and retired as Executive Director, SRLDC, Bangalore. He is a regular faculty of PSTI, Bangalore and ESCI. He served as Advisor to Karnataka and with Skill Development Council, Govt of India for course preparation and delivering lectures. He is also nominated for preparation of course and questions papers for System Operation Examination for LDC officers across India. He has over 30 papers published in IEEE/ CIGRE and National conference.



Ms Sanchita Jindal after working for 28 years in the Ministry of Environment, Forest and Climate Change, she has recently retired from Govt. of India as Adviser (Scientist 'G'). She has a total work experience of 35 years in the field of environment conservation. She was involved with notifying almost all rules on hazardous chemicals and wastes, mainly Management of Solid Waste, Plastic Waste, Bio- Medical Waste, C&D Waste, E-Waste Management, Utilisation of Fly Ash and Battery Management. She was the first one to introduce Extended Producer Responsibility (EPR) in Battery Management Rules and then in the rules on E-waste and Plastic waste.

Mr. P. Venkat Raju Scientist/Engineer 'G' Head, Water Resources Assessment Division WRG, RSAA, National Remote Sensing Centre Indian Space Research Organization Dept. of Space, Govt. of India Balanagar, Hyd. M. Tech in Hydro-Mechanics & Water Management Engineering B.E in Civil Engineering Professional Experience Working in the field of Satellite Remote Sensing and GIS applications to Water Resources Development & Management since 1992. Contributed significantly to the development & operationalization of remote sensing data based applications towards water resources management. Executed and played lead role for research & department and operational projects in the areas of irrigation water management, water resources assessment, reservoir sedimentation, interlinking of rivers, snow hydrology, hydropower planning, hydrological modelling, climate change studies and development of Decision Support Systems.



Mr. N. Kannaiah Naidu, M.Tech. Serviced 32 years in M/s. Tungabhadra Steel Products. Presently Technical Advisor (Hydraulic Gates and Handling Equipment's). He is specialized in 1. Design Maintenance and Coordination. 2. Erection of Hydro Mechanical Equipment's for about 300 projects in India and in Uganda. He published 19 papers presented in various Souvenirs and Journals. He visited West Germany, Switzerland, Indonesia, Yugoslavia, Uganda and Kenya. He is a BLS Member for HM Works. He awarded International Gold-star award, Pride of India Award, Vijaysree Award, Life achievement award, Rajiv Gandhi Excellence Award and VikasRatna Award.



Mr. M.S.N. Sastry is a Former Director - Engg & Projects, Dept of Atomic Energy, Heavy Water Board, Mumbai, Held various positions in Heavy Water Board as GM – O&M, Associate Director - Knowledge Management & HR to Secretary.



Mr. Ganesh Babu is a BE Electrical with 32 years of experience in combined APSEB and later on in APCPDL & APTRANSCO. He retired as Supdtg. Engineer. He possesses domain expertise in EHT Substations Operation and Maintenance, Battery & Battery Chargers, Earthing Practices and Franchising. He was one of the team members who commissioned the first SCADA Centre in Hyderabad. He is the long standing empanelled Guest Faculty in ESCI, CIRE, EPTI and TNEB, etc.



Mr. Lanka Visweswar Rao has Graduated in Electrical Engineering with 45 years of rich experience in Power Sector, especially in Transmission and HVDC line. He retired as Executive Director from the Maharatna Power Company - NTPC.



Mr. A Ramakoteswara Rao has done his Post Graduation in Instrumentation & Controls with for 31 years in APSEB / APTRANSCO. He retired as Chief Engineer and also served as Senior Faculty in ESCI. He has domain expertise in Electricity Transmission Systems and visited USA, Canada and Japan.





Dr. R.N. Sankhua presently working as Chief Engineer, (South), NWDA, Ministry of Jal Shakti, Govt of India, belongs to 1990 batch of UPSC Engg. Services. He obtained his B.E.(Hons) in Civil Engg from NIT-Rourkela and then continued his Masters in IIT- Kharagpur. Subsequently, he obtained his M.E.(Hons)(WR) and Ph.D. from IIT Roorkee. He authored 4 books, contributed 179 papers and completed 18 technical studies on remote sensing & GIS. He guided 7 Ph.D. theses and 30 Masters in water resources from IIT Mumbai and University of Pune. During his tenure at National Water Academy as Director, he organized 60 training programs and delivered more than 1600 lectures on water resources in NWA, IITs, NITs, Universities and many institutes of repute.



Er. A. Krishna Murthy, M.Tech, FIE, He Worked in Irrigation Department, Govt of AP from 1969 to 2006 (37 years), in various capacities and retired as Engineer-In-Chief as Director General WALAMTARI (Water And Land Management Training And Research Institute), Hyderabad. He worked with 1. Ramky Enviro Engineers Ltd, Hyderabad from 2007 to 2008, as Consultant for planning of Municipal Solid Waste Management Projects. 2. Megha Engineering & Infrastructure Ltd, Hyderabad, from 2008 to 2020 as Consultant on Contractual Matters of Major Irrigation projects, Drinking Water Supply Projects. Guest faculty ESCI, WALAMTARI.



Mr. Subbarao brings 28+ years of rich experience in agriculture industry, presently working as Head of Agronomy for South India operations at Netafim Irrigation India Pvt. Ltd. He is associated with Netafim for more than one and half decade. His career with Govt of Andhra Pradesh as Horticulture officer, Prior to Netafim, he is associated with different companies such as Navabharat Floriculture Ltd. Hyderabad, Parinika Harvest Floratech Ltd, Gland Pharma Ltd, Exim Food Products. He is a Member of Research and Extension Council (REC) of Dr.YSR Horticulture University, A.P. he is a technical adviser to Telangana CM KCR farm and also played a key role in implementation of adopted villages Erravalli, Narasannapet, Community Drip Irrigation Project.



Mr. B.S. Rao, Engineer, Exe-MBA. He is having more than 32 years of experience. He is working as Principal Advisor to RUBICON Water, Australia. He is specialized in Engineering, Control System, Software Management. He published Human Behaviour & Productivity. He toured USA, Australia, Singapore, Malaysia, Germany, Netherlands. He received Several awards on Software projects



Dr. (Ms.) S V S N D L Prasanna is currently working as Associate Professor in the Department of Civil Engineering and also extending her administrative services as Joint Director – Post Graduation at Director of Evaluation, Examination Cell, University College of Engineering (A), Osmania University, Hyderabad. She obtained her Ph.D. degree from Osmania University. She has guided more than 10 PG Dissertation and co-authored one book titled 'AutoCAD – Computer Aided Drafting of Buildings'. She has published 12 papers in National / International Journals and 15 papers in International and National Conferences. She has delivered 12 guest/keynote lectures in reputed Private and Govt. Institutions covering the area related to ANSYS software.



Mr. L. Sudhakar is a gold medalist in BE Mining Engineering from Kakatiya University, M.Tech Mining from Indian School of Mines, PG Diploma in Environmental Studies from Andhra University, and holder of First Class Manager's Certificate of Competency: A has a total of 30 years' experience in coal mining in various capacities. He visited Poland, Russia, Tajikistan, China, United Kingdom for various training programmes in different aspects of Mining. He acquired software skills in Mine Design & Scheduling Software; AutoCAD and prepared many project reports



Dr. K. Srinivas graduated in Mining Engineering from Osmania University and joined The Singareni Collieries Company Limited. Did M Tech from Osmania University and obtained Ph.D from Benaras Hindu University in 1998 and joined Guindy Engineering College, Anna University, Tamil Nadu and served till his superannuation as Professor & Head of Mining Department. He has to his credit 30 publications, 4 research projects, 2 books edited, 80 industrial consultancy projects like strata monitoring, deep-sea mining, design of underwater controlled blasting etc and 11 design and development of instruments and working models. He was on the Board of Tamil Nadu Minerals Ltd, a member of state level appraisal committee Tamil Nadu and Chairman, MEAI TN Chapter. Presently he is working as a Professor & Head of Mining Engineering Department in Malla Reddy Engineering College, Hyderabad.



Dr. Yamuna Singh is a Post Graduate and PhD in Geology. Currently he is a visiting faculty at the Centre for Earth, Ocean & Atmospheric Sciences, University of Hyderabad. He has 36 years of experience in Exploration Research, Resource Evaluation and Characterization of Atomic and "Rare Earth Elements Resources: Indian Context". He published 154 technical papers and authored a book on Rare Earth Minerals. He is a fellow of the Telangana Academy of Sciences.



Mr. A.V. Raghuram graduated in B'Tech (EEE) from S.V. University College of Engineering, Tirupathi and M.Tech (Mining Machinery) from Kothagudem School of Mines, Osmania University, P.G. Diploma in Materials Management from Annamalai University. He worked in The Singareni Collieries Company Limited and retired as General Manager and gained rich experience in Longwall Technology in VK7 Inc., GDK 10 A Inc., GDK 9 Inc., and Adriyala Projects in Project implementation, Installation, commissioning, operation and Maintenance of Longwall machinery and Electrical Systems., Presently, he is Advisor (Engg. – Electrical) in SMSL @ Tummalapalli Project of UCIL & Consultant for Electrical Equipment (System Design & Selection) and Pneumatic tools for Mining Industry.



Mr. H. Veeraswamy graduated in Mining Engineering from Kothagudem School of Mines (KSM), Osmania University (OU), in the year 1984 and obtained M. Tech in Mine Planning from KSM (OU), in the year 1996 and Post Graduate Diploma in Computer Science. He is a life member of FEI, MEAI, MMGI and QCPI. He possesses a First Class Manager's Certificate of Competency. He retired as General Manager from The Singareni Collieries Company Limited (SCCL) in 2019 after putting in a meritorious service of 35 years in all aspects of underground and opencast coal mining with state-of-the-art technologies and methods. He underwent training in Continuous Miner Technology in Republic of South Africa. He was an active rescue trained person for 25 years. He is presently working as a Regional -Head for SCCL Coal Projects in JMS Mining Private Limited, Kolkata, India and the Chairman, Institution Engineers (India), Ramagundam Local Centre, Telangana.





Mr. N. Sri Chandrabas did B.Tech from GIET and M.Tech from IIT(ISM) and obtained II Class Manager's Certificate of Competency (Unrestricted) and pursuing his PhD. He has 4 years of teaching experience and 3 research publications to his credit and his research interests are Drilling and Blasting, Mine Environmental Engineering including software applications. He conducted blasting studies deploying drones. He is quite a resourceful person. Presently he is working as Assistant Professor, Malla Reddy Engineering College, Hyderabad.



Mr. Prathap Kumar. P is a Post Graduate in Engineering from JNTU, Hyderabad and Post Graduate Diploma in Materials Management from Annamalai University. He worked in The Singareni Collieries Company Ltd. in various capacities which includes working in underground, opencast mines, workshops, materials management, construction of power project and retired as General Manager and joined Coastal Projects Pvt. Ltd. and managing the tunneling project with Tunnel Boring Machine



Mr. Mahesh Kumar. T graduated in Mining Engineering from KSM/OU and did masters in Industrial Engineering from NITIE (Mumbai) in 1996. Later he worked with Tata Steel, Sonata Software & Cap Gemini before founding Minematics Solutions in 2018. He has over 2.5 decades of experience in both operations and technology consulting. His expertise lies in using technology to optimize operations and increase efficiency. Currently, at Minematics, helping mining, construction and manufacturing companies to gain visibility of operations, identify bottlenecks and improve efficiency through the use of technologies such as IoT, Analytics & Data Science.



Mr. B.R.V. Susheel Kumar graduated in mining engineering from Kothagudem of School of Mines, Osmania University and worked in The Singareni Collieries Company Limited till 1993. Selected to the Department of Mines & Geology as Group-I officer through AP Public Service Commission during the year 1992 and joined as Assistant Director (Mines) in March 1993. He underwent full time Intensive Training on Implementation of Information Technology conducted by IIM, Ahmedabad in the Year 2005. Promoted as Director of the Department of Mines & Geology, in the year 2011.



Er. Ranvir Soni, Founder, CEO & MD at Unite Trades & Technologies. A professional in monitoring instrumentation with diverse experience in the fields like Meteorological, Hydrological, Geotechnical, and other specific research segments like agriculture, glaciers, and others. During 13 plus years of instrumentation experience, the professional journey started as frontend software trainer for centralized banking software and that extended the core Electrical & Electronics Engineering knowledge into banking and backend software support and joined a company working in the field of Meteorological solution. In this process he learned the usage, integrations, and operations of many technologies.



Ms. Sirisha Indukuri is a sociologist with over fourteen years of work experience that combines research and practice in the field of sustainable development in India. She has worked at N R Management Consultants India Pvt Ltd, The Energy and Resources Institute, and has been commissioned as a consultant and fellow by the Ministry of Rural Development-Government of India, Delhi University-UN Women and others.



Mr. Jayesh K.S. comes with an extensive experience in managing complex programs/products and leading teams across global environment. He has been managing large teams to deliver a critical program which enables the business towards Digital Transformation through efficient business strategy. He has extensive project experience in technical, managerial and business consulting roles ranging from web-based, client / server, and big data based information systems, translating customer needs and technology direction into product definition.



Dr. Balasubramanian. E received PhD in the field of Robotics and Control at Concordia University, Montreal, Canada. He has published two books, more than 100 Journals and Conference papers and 7 patents have been in the verge of grant. He received grants from various Government of India funding programmes supported through DST, DRDO, SERB, ISRO, DBT and TNSCST. His research interests are UAVs, robotics, control and sensors with online data acquisition systems. "He received Academic Excellence Award (Tiruvallur Region) from Tamil Nadu State Centre during IET Centenary Celebrations on December 2022. He has been invited to deliver key note talks in the international conferences held at Taiwan, Canada, South Korea, Bangladesh and different parts of India".



Mr. D.B. Kulkarni has 32+ years of experience in the area of Design of Rotating Machines, Rotor Dynamics and Condition Monitoring. His expertise covers hydrodynamic bearing design, static and dynamic analysis of individual rotor as well as coupled rotor systems, CAD, CAE and FEA, Rice Milling Machines design and plant design, Small Power Plant design, Erection and Commissioning of small Plants – Power and Rice Milling. He has solved various site problems and is an expert in the failure analysis of site problems of rotating machines. He is a corporate trainer handling various topics including Condition monitoring and Value Engineering.



Mr. Arvind R graduated in B.E (CIVIL) in 1999 from Gulbarga University. He is Professional in Land Surveyor/Business Development Manager with extensive experience in all types of surveying, project management, and leadership & mentoring. He served as Assistant Director / Deputy Director, National Academy of Construction (NAC) Hyderabad. Business Development Manager at Bharath Associates and Consultancy. He holds license of Civil Engineer from GHMC, life time membership of Association of Consulting Civil Engineers (Hyderabad Chapter) and is a visiting faculty at NAC and a Certified Assessor from PMKVY-SKILL-INDIA. He shouldered the responsibility of the Pipe line Topography Survey for the State Govt. Project Mission 'Bhagiratha'





Mr. Bhaskar Kannoju CEO & founder Adepto Geo Informatics Pvt. Ltd. He did M.Tech with specialization in GIS and Remote Sensing from JNTU Hyderabad and Master of Science in Geology from Osmania University. He is an innovative thinker, having more than two decades of rich experience in various scientific projects in Geospatial Domain. He has travelled to USA, Singapore, Malaysia, Hong Kong, Vietnam, Thailand, Kenya, Bhutan, Madagascar and Macau. He had published technical papers in national and international fora on applications of GIS in various sectors.



Mr. Attem Bhaskar, Vice-Principal and Joint Director at Telangana Academy of Land Information and Management. He graduated in B.E (Mining Engineering) from Kothgudem School of Mines, Osmania University and worked in The Singareni Collieries Company Limited and obtained the First Class Manager's Certificate of Competency (Coal). Later he joined The Survey and Land Records Department as Assistant Director. He had submitted paper on use of DGPS and ETS for cadastral survey. Prepared SOP for Resurvey using Drones and pilot resurvey using HRSI in Laxmapur Village of Medchal - Malkajgiri District. TS



Mr. Rahul Pinnamaneni, CEO, Founder Polygon Geospatial Pvt. Ltd. He did MS in Civil Engineering (Transportation Planning), UNC Charlotte, USA and M.Tech in Civil Engineering from GITAM University. Professional Experience in drone survey, GIS, 3D mapping, traffic engineering, traffic data collection, transportation planning, traffic safety studies, traffic modelling and simulation, ITS, and streetlight design. He worked as a Traffic Engineer for 5 years at Daniel Consultants Inc, Maryland, USA .As

COO and BD Head at Drogo Drones Private Ltd, responsible for developing new business avenues, conducting field visits, drone data collection, analysis and preparing reports with recommendations.



Mr. Elpula Jayakumar graduated in B.E (Mining) from Osmania University with distinction in 1983.. After graduation he worked as Manager in SCCL. He did his post-graduation in MBA (Marketing) from OU and post-graduation diplomas in Industrial Safety & Data Mining from Annamalai University, Chennai. He holds I Class Manager's Certificates both in Coal & Metalliferous. He joined

central services in 1992 in DGMS as Deputy Director of Mines Safety and retired as Director of Mines Safety in 2017 He was trained in USA on the latest trends in Mine Safety & Health.



Dr. J V Rama Rao Principal Consultant for DMT India, part of TUV NORD GROUP with Global Presence and engaged in Natural Resources. He has about 40 years of experience as Professional Geophysicist, 34 years of which as Scientist and Administrator in Geological Survey of India conducting Geophysical Mapping and Exploration for Minerals, Ground water and Engineering problems. He has supervised mapping and

exploration programs of GSI as Deputy Director General and Director and was in-charge of Geophysical Division. He is recipient of M. B. Ramachandra Rao Gold Medal.

Dr. N Srinivasa Rao-Scientist, Indian National Centre for Ocean Information Services. Did his M Sc (Physics) from Osmania University & Ph.D (Remote Sensing) from JNTU - Hyderabad. His Research Interests are Remote Sensing. Ocean Colour, Web GIS, Open Source GIS. He has 18 Years of Research Experience in Remote Sensing Application (Land, Ocean & Atmospheric) and guided 50 Academic Projects. He is also a Resource Person in Universities, Academic Institutes & Research Organizations.



Mr. Satish Kumar Lanka, Managing Director of Rockwell Quarrying and Crushing Pvt Ltd., Hyderabad. He graduated in B.E (Mining Engineering) in 1992 and joined explosives industry as technical services engineer, worked at different geological strata conditions for coal mining, non-coal mining, and construction and dam sites and controlled blasting works. Started own company in the year 2005 and took up drilling blasting works, quarry and crushing works, controlled blasting works. He worked for L&T, NCC, MEGHA ENGINEERING, AFCONS, ASHOKA BUILDCON, JMC PROJECTS, IL&FS. Mr Satish Kumar is now Managing Director of Rockwell Quarrying and Crushing Pvt Ltd., Hyderabad.



Dr. Prashanth Ragam is an Assistant Professor in the Department of Electronics and Communication Engineering at Kakatiya Institute of Technology and Science (KITS) Warangal (KITSW). He obtained his B. Tech in Electronics and Communication Engineering (ECE) from JNTU Hyderabad in 2009. He received his Masters of Technology (M.Tech) degree at JNTU Hyderabad in 2012. He did research on Design of IoT system for monitoring of blast-induced ground vibration in opencast mines and received PhD at NIT Rourkela in 2020. He received Best Young Scientist Award in 2021 from Novel Research Academy for his Ph.D. work. His teaching and research interests include Internet of Things and Machine Learning Applications. He has authored over 15 research papers in refereed journals. He is a reviewer for IET Communication, IEEE Geo-science and Remote Sensing Letters, Engineering with Computers, Springer. He has focused in the last few years on the research issues in design of IoT systems for various applications, LoRa WAN technology, Machine Learning Applications for data prediction.



Mr. Dipesh Dipu is a mining engineering graduate from the revered Indian School of Mines and is a post graduate in finance and Chartered Financial Analyst (CFA) charter holder from Institute of Chartered Financial Analysts of India (ICFAI). He has also done executive program in business management from Indian Institute of Management, Calcutta. He is a Partner with Jenissi Consulting. He specializes in market studies; entry and growth strategy formulations; performance improvement initiatives; transactions including due diligence and valuation studies; and financing capital projects. He has worked on assignments in countries like India, Bangladesh, Kenya, Indonesia, Zambia, Rwanda, Singapore, Kuwait, UAE and Sri Lanka. He has been involved with training and capacity building programmes. He has been awarded the Abheraj Baldota Gold Medal for the Young Mining Engineer of the Year.





Mr. Devendra Singh. D has 34 Years Of Professional Experience With Expertise In Water And Sewerage Program Management Sector. He Has Been Involved In Various Large Urban & Rural Basic Service Infrastructure Development Flagship Programs Of The Government. As A Director & Technical Head Of National Mission For Clean Ganga, The World Bank Funded, He Was Involved In Assessment, Planning, Budgeting, Estimate & Dpr Reviewing, Approval, Procurements, Financing, Monitoring & Evaluation Of 125 City Waste Water (Sewerage) Intersection Diversion & Treatment (I&Dt), Sewage Treatment Plants, River Front Development (Rfids), Energy Efficient Crimination Grounds, Open Defecation Free Rivers Banks Etc.



Mr. V.K. Sridhar is currently working as Assistant Professor in the department of mechanical engineering at GITAM, (Deemed to be University), Hyderabad. He is pursuing his Ph.D. in the area of Computational engineering and did his Masters from Ruhr University, Germany. He worked in Europe and in India for more than 15 years both in academia and industry. He did his research in Fluid-structure interaction in Gent University, Belgium. He has more than 30 international publications to his credit. He is associated with many research projects and gained immense experience in teaching, research and consultancy. He guided many students both at graduate level and post graduate level in completing their projects successfully.



Dr. S.V. Dahasahasra is a former Member Secretary of Maharashtra Jeevan Pradhikaran, Mumbai. He is former president of the Indian Water Works Association. He is post graduate (M. Tech. with distinction and first position) in Environmental Engineering. In 1986, he was awarded Ph. D. degree in the field of water treatment. He published 55 research papers in Indian and International journals. He wrote a book on "Prestressed Concrete Pipes." He is former Hon. Editor of journal of Indian Water Works Association. He is life fellow of Institution of Engineers, Indian Water Works Association, Indian Operational Research Society, Indian Association for Environmental Management, Indian Society for Technical Education, Indian Earth Quake Society and Indian Concrete Institute. He was ex-officio member of Maharashtra Pollution Control Board (MPCB).



Dr. S. Sundarrajan is a M.Tech and Ph.D in Metallurgical Engineering from IIT Madras. He is a Distinguished Scientist (retd) from DRDL, Hyderabad. He was a Director, NIT Trichy. His area of expertise in Metal casting, NDT and Forging Technologies. Academic and Administrative Transformation of Higher Education Institution through Brand Survey, Strategies and Initiatives, Disruptive Approach to Change Management, national and international networking, strategic alliances and partnership, bench marking and accreditation, customer friendly focus in research, academic curriculum, delivery and evaluation and brand marketing.



Wg. Cdr. Dr. Prof. A. Kamalakara is a Double Postgraduate in Engineering from Indian Institute of Science and Defense Institute of Advanced Technology and a Ph.D. in Knowledge Management from Osmania University. He is certified in Project Management from PMI. He was a Chief Engineer, Air Base Baroda during Kargil War, VP(HR), Vijai Electricals, Director of B-School, Hyd, Presently Visiting Professor to UGC, HRDC, and NALSAR University. He has Conceived, Designed and Conducted more than 102 Management and Faculty Development Programmes for Senior Managers of PSUs and Private Industry, Scientists and Engineers of DRDO, Senior Faculty at DIAT, DRDO and University Faculty.



Dr. Rama Raju. P. has more than Over 40 years of work techno-managerial experience as Civil/Water Resources Engineer, with a track record of producing good results in a variety of organizations & different field conditions. Water Resources Development covering areas of water-availability assessment, investigation, surveying, formulation of projects, preparation of master plan for river basins, cost estimation, sanction of water resources projects, procurement planning, Inviting & awarding of tenders, Contract Management, Construction of water resources projects, their operation & maintenance. Awards: 1. Government of India Award for exemplary e-governance implementation for the Year 2003, 2. Best Irrigation Engineer -2010 from the Institution of Engineers, AP. 3. The e-procurement Project headed by him as its Project Manager won the following awards: Golden Icon Award- 2003 from Govt. of India, Best IT implementation-2005 for maximum social impact from PC QUEST, United Nation Public Service Award 2007, Rome, and IBM innovation Award 2007. 4. Commendation from Spl. Chief Secretary to Govt., Chief Engineer (GDS).



Mr. M. Manoj Kumar a competent professional over 18 years of rich experience successfully led all projects through aggressive project governance processes; presented changes, issues, risks and contingency plans to Committees while collaborating with other Project Managers to balance project resources. He has Rich exposure in Water & Sanitation management, Waste water management, Solid Waste Management, Environment management, Corporate Social Responsibility (with special focus on Skill Development, Livelihoods, Education), NGO/Development/Community-Development Alternatives, GMR group, Arvind and Banka Bio Loo Ltd- Private Sector, FICCI & ASCI:



Prof. Arun Kumar is a civil engineer specializing in water resources and hydropower engineering. He graduated from Indian Institute of Technology Roorkee, completed his masters at Indian Institute of Science, Bangalore, diploma studies in Hydropower development from NTNU Norway and a PhD from IIT Roorkee. He has been an integral part of the Department of Hydro and Renewable Energy (HRED), IITR since its inception. He was awarded MNRE Chair Professor (Renewable Energy) from 2013-2018 and served as independent director on the Board of NHPC Ltd, Govt. of India undertaking from 2015-2019. He has been elected on the board of International Hydropower Association for the period of 2021 – 23.



Dr. Kalyana Chakravarthi. has done his PhD (Online Teaching and Edumedia), MBA (HRM); MEd, MA (English), MPhil (ELT), Diploma in TESOL (American Institute) India, CELTA (Cambridge, UK) attended in Turkey. HE has 2.5 decades of multicultural, International and Indian exposure of Training, Teaching, Research and Publications in the Middle East (Oman & UAE), Ministry of Manpower(2014 to 2018) and Ministry of Education (1999 to 2004); International House, Turkey (2015); Ministry of Education, Maldives (1998-99) and India (1992-97, 2004-14 and 2018-21). He is Specialized in Technical & Business Communication in English, Outcome-based Curriculum Design, Life Skills, Webinars, Community Engagement, Rural Immersion and Basic Education. He has Presented 180 Webinars/Online Sessions on Advanced Pedagogy, Entrepreneurship, Multiple Intelligence, Creativity and Innovation, ESP, Community Engagement, Leadership, Team Building, Communication, Lateral Thinking, LifeSkills, Research, Stress Management across India, Oman and Myanmar (April 2020- February 2021). He is Certified as Direct Trainer Skills (DTS) by Thames Valley University (UK) and DoPT, Gol, 2020. Recently he has been awarded as Distinguished Indian contributing to various fields of skill developments by Sardar Vallabhai Patel Foundation.





Dr. Satyavathi. P is presently Principal at Avinash Degree College, Hyderabad and an Empanelled Expert, ESCI. Highly experienced facilitator with 22 years of experience. Certified Master Trainer by Asian College of Teachers ACT & Centre for Training and Professional Development, corporate trainer for PSU's. Been actively involved as a coordinator of "Centre for Placements and Training" and placed more than 1000 graduates in various MNC's. Co-authored a Various books on Business Organisation and Management ,Human Resource Mngement, Principles of Insurance for B.Com First year& Second year students of Osmania University,Himalaya publishers. she also has a Decade experience as a freelance trainer



Dr. Madhavi. P is presently the Empanelled Expert, ESCI & Head of the Department in the Department of Information Technology, CMR Engineering College, Hyderabad. She has completed PhD from University of Mysore, Mysuru, Karnataka. Areas of Interest include Software Testing Methodologies, Software Project Management, Mathematical Foundations of Computer Science, Algorithm Design and Analysis, Etc. she has more than 14 years of experience in teaching, research and consulting. She is the Member of The Institute of Engineers (MIE). Achieved Jyeshtha Acharya Award from Bharat Education Excellence Awards. Guided more than 30 Projects for B.Tech Students and 10 Projects for Post Graduate Students. She has Participated & Presented a papers in CRIEIT-2021, ICT 4SD -2020 and 2nd International Conference.



Mr. P. Seenivasan is presently the Empanelled Expert, ESCI. He is Director, Preventers Education and Consulting Services Private limited, Hyderabad, India, has over 37 years of Industry experience in the domains of Chemicals, IT, Training and consulting. Project, Program and Portfolio Management is his area of passion. He holds his B.Tech degree in Chemical engineering from University of Madras and a Master degree in Business Administration from IGNOU, New Delhi. He is one among the selected professionals across the world who holds Project, Program and Portfolio Management Professional (PMP, PgMP, and PfMP) from PMI, USA. His 37+ years of experience includes organizations like SPIC, Manali Petrochemicals Limited, Baan, PMI Pearl City Chapter (Volunteer) and Preventers Education and Consulting. He is a member in good standing of PMI since 1999 & he was one of the founder directors of PMI Pearl City Chapter, Hyderabad and served the chapter during 2001 – 2006.



Mr. Luther (Abhiraj) Nanneti is presently the Empanelled Expert, ESCI. Entrepreneurial executive with over 25 years of progressive leadership in the IT Domain, focused on strategic business operations, ensuring consistent business profitability of the cost center. Widely traveled across the globe, have cultivated a multi-ethnic leadership acumen to build and achieve organizational objectives through culturally cognizant people-process ethics and creative thinking. Proficient in GDC/ODC operations, organic-inorganic growths, corporate-govt relationships, vendor engagements, corporate affairs, and communications. Comprehensively experienced in program managing geographically disparate teams, directing multi-tier; multi-location solution rollouts across North America, Lat-Am, Europe, Africa, and the Asia Pacific regions. Expert in 'Total Solutions / Enterprise Solutions' with a proven track record performing at large MNCs as well as start-up environments.



Dr. Patrick Anthony is presently Professor at Osmania University, Hyd, Telangana State and earlier as Additional Controller of Examinations and Placement Officer. Before joining Osmania University Dr.Patrick worked as a lecturer with Arba Minch Univeristy, Ethiopia and Associate Professor Badruka College PG College. Dr.Patrick is an empanelled expert to ESCI and various several independent bodies. He had trained hundreds of students and working professionals, teachers, professors at ESCI campus, Hyd and other locations. His research experience is more than 18 years.



Dr. Mohit Gambhir is working as the Innovation Director, MHRD Innovation Cell, Govt. of India. MIC is committed to systematically foster Innovation culture in all Higher Education Institutions (HEIs). The primary mandate of Innovation Cell is to encourage, inspire and nurture young students by exposing them to new ideas and processes resulting in innovative activities in their formative years fostered through Network of Innovation clubs in HEIs. Dr. Gambhir has also taken charge of Govt. of India's flagship program 'SMART INDIA HACKATHON 2019' as a joint member secretary of Executive Committee and aggressively working towards making it a grand success by building on the successes of previous 2 editions viz. 2017 & 2018. He has extensive work experience in IP space, such as patent portfolio generation, advising inventors / corporate in channelizing their IP activities, Tech transfer, Technology scouting, Technology Landscapes, Patent monetization, Licensing & due diligence activities, etc. Verispire.



Mr. BC Mouli has about two decades of experience in Organisation Development. His expertise lies in performance management, change management, leadership development and digital learning. He graduated in Industrial Engineering from Dr Ambedkar Institute of Technology, Bangalore in 1996. He then pursued post-graduation from Institute of Public Enterprise, Hyderabad. He is passionate about adding value to the human efforts through bringing self-awareness and facilitating development. In the recent times, he has been working on digital technologies and their impact to consumers, organizations and employees. He established global leadership development programs at Cyient, an engineering solutions company with 16000 employees operating from 48 locations worldwide. He currently leads L&D at Cyient. Prior to this, he was with KPMG as Associate Director, which is one of the global leading consulting companies.



Mr. Manav Hada is a full-fledged trainer for manufacturing design and analysis applications. Working on projects related to Technology Forecasting and System Development, he has conducted trainings with Defour Analytics for Marketing and Finance division on the application of Analytical tools in their respective fields. Currently he trains students on Design Thinking and Lean Management. He is on the Trainer's panel of WIIE Education (Hyderabad) for their MBA in International Business. During his professional life, the variations in application based learning, prompted him to start TatvaGurukul which looks towards re-defining the school education scenario in India, with inclusion of experiential learning within the curriculum. Based on STEAM and peer learning methodology, the institute looks towards bridging the learning gap both in urban and rural India.





Prof. P. G. Sastry is the Director & Head, Learning & Development, for Ramky Group, Hyderabad. He worked as a Director to WALAMTARI in irrigation department under govt. of India. He worked as an advisor for govt. of India for Environmental clearance of irrigation. He worked as a professor in REC Warangal and presently in NIT Warangal. He is Chairman for Environmental Clearance Committee, Govt. of India. He has 12 Years as Director, for NIT Warangal. He is a World Bank Consultant Advisor to Netherlands, Amsterdam and a Visiting Professor to USA, Ohio University.



Mr. Kondala Rao. G has 38 yrs. experience of which 29 yrs. in Public Health & Municipal Engg. Dept., 7.5 yrs. in Irrigation Dept. of Govt. of AP and 1.5 yrs. in Engg. Consultancy in GoMP, and successfully led technical teams and contributed to success of Externally Aided, National and State Govt. projects. He has expertise in Urban Infra. and Engineering Reforms and is fairly conversant with Affordable Housing and Urban Policies. He is equally capable in conceptual and ground level issues.



Dr. Raman Saravanane is an Environmental Engineer and obtained his Doctorate in Environmental Engineering from Indian Institute of Technology Madras, India (IIT M) 2003. He is the Chairman of IEI, Puducherry State Centre, Puducherry. His present position is Professor and Heading Civil Engg Dept Pondicherry Engg College, PEC. He hold THREE Indian patents on wastewater process and Energy Recovery. He is a Fellow (FIE) Institution of Engineers India. He has been closely involved in teaching, research & development in the broad area of Environmental Engineering for a period of 26 years since 1993 His major areas of research are Water Process and Technology- Climate change - energy nexus. He is a member of International Water Association (IWA), UK and associated with specialist groups on anaerobic digestion and water reuse. He has developed new and innovative membrane bioreactors to control and optimize the operational parameters for the removal of micropollutants, pharmaceuticals from toxic organic effluent streams. He has been closely associated with formulation of new criteria and stringent standards of disposal for toxic aromatic intermediates under US EPA norms and regulations. He is a Fellow (FIE) IEI.



Dr. A. Gangagni Rao, FIE, FRSC (London), FAPAS is currently Chief Scientist and Professor of Engineering sciences in CSIR-IICT, Hyderabad. Dr. Rao is an expert in the area of biological waste management. Dr. Rao extensively worked on high rate biomethanation and patented two high rate biomethanation technologies for the treatment of organic solid waste known as Self Mixed Anaerobic Digester (SMAD) and Anaerobic Gas lift Reactor (AGR). Commercial plants (about 15) based on AGR Technology are working in India for the treatment of food waste, market & vegetable waste, OFMSW, landfill leachate etc. Dr. Rao developed & patented another technology called "BIOFILTER" for the purification of waste and off gases emanating from industry and full-scale plants are working in India based on this technology. He is also working on lake cleaning activity by removing the water hyacinth filled in the lakes followed by the conversion of water hyacinth to organic manure through "Accelerated Anaerobic Composting (AAC)".

Mr. M. N. Thippeswamy Retired as a Engineer-in-Chief in Bangalore Water Supply and Sewerage Board. He has 35 years of service in water and waste water sector in Bangalore water supply board. He worked in various capacities of assistant engineer to engineer in chief in Bangalore water supply and Sewerage Board. He delivered more than 150 lectures on various topics of water supply. He visited Australia, Japan, France, UK, Singapore, Germany, Russia, Philippines, Hongkong, Spain, South Korea etc. He is selected as Member of Tech. Adv. Council for water efficiency specialist group of Australian Water association. Tech. Advisor for water re and re reuse for sustainable development.



Dr. M.V.S.S. Giridhar is a Ph.D in Civil Engineering, M.Tech. in Water Resources Development & Management from Indian Institute of Tech., (IIT) Kharagpur and completed his graduation in Civil Engineering from Nagarjuna University. He is presently working as an Asst. Prof. in Centre for Water Resources. Dr. Giridhar is life member of many professional organizations in the field of water resources, few of them includes AHL, IEI, IWRA, ISRS, ISTE etc. His research areas include Water shed modelling, rainfall- runoff modelling, RS & GIS applications for water resources development and management and Water quality. He is also TEQIP Assistant coordinator for Institute of Science and technology (IST).



Major (ex) Shiva Kiran is President and founder of SukukiExnora, a NGO in the area of Solid Waste Management. He has Undertaken projects with AP Pollution Control Board, Greater Hyderabad Municipal Corporation, EPTRI, Administrative Staff College of India, Municipalities. He is a Convenor of Geo-map society (GEMS) - Quiz programme- 5000 to 6000 students from Hyderabad, to educate the participants on use of maps in development activities in day to day life. He developed an innovative locality based solid waste management project called "SUBRAM" (clean). He was organized with clean India & green leaf awards on the SWM since 2007.



Er N Ravi Chander is a B.E. in Mechanical Engineering from Osmania University and MBA in marketing from Institute of Public Enterprise. He has 36 years of experience in Planning & Manufacturing of Power Plant Equipment and Industrial Machines in BHEL, out of which 3 years as Executive Director in BHEL Hyd,. He has rich experience in Strategic Planning, Long Range Planning as well as in Operation and Project Monitoring. Some of his outstanding innovative strategies are 1) Implementation of Techno-Commercial MOU with suppliers for delivery and cost reduction and 2) Knowledge transfer from seniors to Juniors through the Small Group Approach. He was the Director and Part-time Chairman of BHEL-GE Gas Turbine Services (BGGTS) and also a non functional Director in APHMEI, Vijayawada. He is a fellow member of IE(I).



Mr. J. N. Karamchetti, BE in Electrical Engineering from JNTU, Kakinada & M.Tech from IIT- Kharagpur. He has a Diploma in Business Finance. He retired as a Vice President (Operation & Maintenance) of a Manufacturing company. Certified Energy Auditor. He has conducted Extensive Energy auditing in Hotel Industries, Manufacturing Industries and also worked as 3rd party Energy Auditor for CII. He is in the Panel of Energy Auditors of KPMG, Noida. He is Fellow Member of IE(I).





Dr. Ramesh Basappa worked with Bureau of Indian Standards for 3 Decades as Director for Bangalore & Chennai units. He is a MSc in Chemistry and PhD (Chemistry) and also a graduate in law. He was a QMS Lead Auditor with QCI (NRBPT), subcontractor Faculty for conducting of Awareness & Internal Audit Training Programmes for Laboratory Management Systems in accordance with ISO/IEC 17025:2017; Proficiency & Inter laboratory testing; and Uncertainty calculations of chemical, biological, mechanical and electrical measurements; on behalf of National Institute of Training for Standardization, BIS, Noida. He is also a Subcontractor Lead and Technical Assessor for National Accreditation Board for Testing and Calibration Laboratories, (NABL), New Delhi.



Mr. Akula Ajay Kumar, has expertise in Cybersecurity, Process Automation, Machine Learning and Artificial Intelligence, Data Analytics, Cloud Computing, Information Security, Risk Management, Business Continuity, Quality Management, Quality Assurance. He is an ASQ Certified Six Sigma Black Belt, ASQ Certified Supplier Quality Professional, IRCA QMS principal Auditor, Practitioner Chartered Quality Professional from CQI, Certified in Advance Machine learning and cloud from IIT-Madras. He is a strategic management professional with 17+ years of experience in leading complex IT solutions for business analytics and digital transformation, AI/ML projects. He had worked with reputed Certification bodies in India and Middle east as Lead Auditor and Trainer, With EY in advisory and consulting roles and currently working as Cybersecurity specialist with IBM. He has trained over 5000 Plus professionals.



Dr. Pendiala Venkata Indrasena Rao has done his M.Sc in 1982 from Osmania University, Post Graduate Diploma in Management during 1994, M.S. Integrated Management studies during 2002 from USA, Ph.D in Management during 2020. He is a Lead Auditor for ISO 9001, 14001, 15700, 22000, 27001 and 45001. Over all 40 years of Experience in Quality, Project Development, Standardization in Industry, Government Administration, Auditing, Inspection and Training and in Manufacturing and Service Sector, Which Includes 4 years of Manufacturing Sector, 33 years of administration in Government Department and Service Sector - (Bureau of Indian Standards) and 3 years in Free lance consultancy and project development.



Mr. P.S.S. Hanumantha Rao is a Graduate in Mechanical Engineering, MBA with TQM, he is a certified Lead Auditor for ISO 9001 – 2015 and IATF 16949 – 2016, he is a Six Sigma Green Belt holder and also responsible for Supplier Quality Assurance with vendor development. He is a Certified 5 years Auditor by CII several region and Faculty member for TQM Forum of CII to his credit, he has trained more than 1000 police personnel

on 5S concepts under Hyderabad Police Commissionerate. He is a life member, governing council member and faculty member for QCFL, he is presently working as Additional General Manager Quality Assurance in USHA International Limited, Balanagar, Hyderabad.



Mr. G.V.R.Murty holds B.E from VNIT, Nagpur, M. Tech from I.I.T, Kanpur in Metallurgical Engineering. He also has Post Graduate Diploma in Business Administration. He has joined MIDHANI (A Defence Public sector) in 1984 and served for 33years. He superannuated as General Manager and has Techno-managerial professional experience in the fields of Aerospace Technology,

Forging and Heat treatment of Special steels, Titanium and Superalloys, Quality Control, Quality Assurance, QMS and Audits (ISO , AS 9100 ,NABL), Six Sigma Green Belt, Oracle ERP Implementation, Marketing, Business Development and Exports. He is a recipient of India's Raksha Mantri Award and member of several professional bodies.

Mr. G. Karthik, Completed B.Tech and M.Tech from Jawaharlal Nehru Technological University, Hyderabad. Also completed his Ph.D (Mining Engineering) under the supervision of Prof. Singam Jayanthu, (Former Scientist of CSIR-CIMFR & NIRM) from NIT Rourkela during 2013-18. He was conferred with Young Scientist-2019 organized by International Association of Research and Development organization (IARDO) and Homi J Baba Award 2020 by Eudoxia Research Centre. He is also extending his services as Executive Officer and Associate Research Professor for Eudoxia Research Centre and Global General Secretary of International Electronic Device Development Association (IEDDA).



Dr. Vivek Modi is helping people and organizations in growing to their true potential. He believes in correcting the perspective rather than imparting mere knowledge. People know by and large about what is good or bad for them. It is not the knowledge, but inability to implement that keep people away from deriving expected results. He has helped thousands of people from all walks of life. Be it top scientists, senior corporate executives, doctors, social organizations, teachers, students or housewives; all have found his sessions very helpful in improving their quality of life and work. Dr. Vivek Modi is a qualified doctor (MBBS) with Post Graduate Diploma in Administration. He has five years of work experience as Hospital Administrator and C.O.O. in reputed corporate healthcare organizations. He is in the field of training since year 2010. Certified as a trainer from world renowned "Dale Carnegie Training", Dr. Modi is a much sought after corporate trainer and keynote speaker. He is also a visiting faculty at various reputed organizations.



Mr. Ashok Apsingikar, is a graduate in Mechanical Engineering from JNTUH, Hyderabad, PG Diploma in Computer Applications from Institute of Public Enterprises Osmania University, is a qualified Lead Assessor of ISO 9001 : 2000 QMS, ISO 17025 for Testing and Calibration of Laboratories, ISO 9001 from British Standard Institution (BSI), AS 9100 IAQG AATT course PLEXUS December 2012, He was a former General Manager, Corporate Quality in Bharat Dynamics Limited, he has a rich experience of 34 years of verifiable experience in the field of Aerospace Quality Assurance. As a trainer he has conducted several programmes at Leading Institutions.



Mr. M Uday Kiran, M.tech in Information and computing systems BITS Pilani with Industry Certifications CCNP Security, CISSP,CEH. Working in Network and Security industry since last 18 years, with major MNC like ADP, Dimension Data -London. Passionate trainer since last 10 years, trained over 10000 network professionals and security engineers. Consultant Trainer for ESCI and many other MNCs.





Dr. Padigala Jamima has 20+ Years of Industry & Academic Experience in Quality Assets Maintenance & Information Security. He is Doctor of Philosophy Ph.D in Physics (2013) from Sri Krishnadevaraya University, Anantapur, A.P. He done his M.Tech in Atmospheric Science (2000) from Sri Venkateshwara University, Tirupati, A.P. He is presently working as Associate Manager (Quality & Assets) JNET Technologies Pvt. Ltd. He is certified in Red Hat Certified Engineer (RHCE), PECB Certified - Information Security Lead Auditor (ISO 27001), PECB Certified - Lead Cyber Security Manager (ISO 27032). HE is responsible for overall implementation of cybersecurity controls (ISO 27032) and information security (ISO 27001), SOC2, HIPAA and CMMI L3 PA in the organization.



Mr. B Prahlad is a Gold-medallist Chemical Engineer from Osmania University, a Post Graduate in Nuclear Engineering from BARC Training School, Mumbai. He did his M.S in Heat Transfer, from IIT, Madras. He clocked 36 years of experience in Dept. of Atomic Energy (DAE) in various fields of Engg & Tech. He held important positions in DAE, viz. Head, BARC Training School at NFC, Regional Director (P&S), General Manager (QA), and retired as Dy Chief Executive from NFC. While working at NFC, he was conferred with four DAE Group Achievement awards with Gold Medals. He has presented/published 45 Technical Papers in various National/International Conferences and Journals.



Mr. R.V. Chalapathi is a BE in Electrical Engineering from SV University. Worked as Chief Engineer in APSPDCL spanning 13 Years in Generation, Kothagudem Thermal Power station & 18 Years in Operation & Distribution in APSPDCL. He won awards for Best Performance as DE/Operations-2003-04 and SE / Operations - 2004-05, APSPDCL. His area of expertise in Electricity Distribution Systems. He is Fellow

Member of IE (I).



Mr. Harjeet Singh Kalsi is a technocrat with double Post-Graduation in Management. He was Jt. Managing Director at BGGTS (BHEL-GE JV) and also the President of BHEL Education Society governing five schools as well as Vice Chairman of Bhartiya Vidya Bhavan Public School. He graduated in Electrical & Electronics Engineering from erstwhile REC Trichy (now NIT Trichy), University of Madras. He was nominated by Govt.

of India and sponsored by BHEL, for an International MBA program at UN sponsored International Centre for Promotion of Enterprise (ICPE), Europe. He has over 3 decades of experience, in various functional areas of Design, Marketing, Contract & Project Management, Public Relations, IT, Education etc.



Er. Pentayya Polagani with Post Graduation in Electrical Engineering is Professional with around 35 years of experience in Power Sector with prestigious organizations like CEA and RLDCs and retired from POSOCO w.e.f 28 th Feb, 2014. Has published more than 130 papers in international/ National Journals and conferences which include IEEE, IET, Springer, NPSC, ICPS etc. Currently holding post of Independent Director (Technical), DNHPDCL, Silvassa since August -2014.

DNHPDCL, Silvassa since August -2014.

Mr. K V H Rao is retired Additional General Manager (AGM) from the Corporate R&D of BHEL. He is a graduate in Electronics and Communications Engineering from the Osmania University, Hyd., Subsequently, he pursued his Post Graduation in Electronics Design & Technology from CEDT (Center for Electronics Design & Technology), IISc, Bangalore. His areas of specialisation are Real-time monitoring, control & protection systems for application to Substations, Smart-grid etc. He has also steered the indigenous development of IEC 61850 compliant Substation Automation System (SAS). He is presently working in ESCI as a Consultant to Power & Energy Division.



Er. S.Rama Prasath with Graduate of Institution of Electronics & Telecommunication Engineers, New Delhi, INDIA. 36 years of experience in Cables. Retired as Joint Director & Head of Division, Diagnostic, Cables & Capacitors Division Central Power Research Institute, Bangalore. Ex-Chairman of Power Cables sectional committee ET 09 of Bureau of Indian standards, New Delhi, India for a period of four years. Presented 30 technical papers in National & International Seminars / Workshops/ Tutorials on Power Cables Accessories and Power capacitors. Best Paper Award at INSULEC-2000 "Design and Development of 33 kV Cable Termination for GIS Application" as a co-author.



Er. P. Narender Kumar with Post Graduation in (INDUSTRIAL DRIVES & CONTROLS) Osmania University, Hyderabad. Worked for 40 YEARS, including 10 years abroad, in the Power sector's Generation, Transmission and Distribution wings, in the areas of Project, Construction, Maintenance. Senior Faculty/Guest Faculty member at Corporate Training Centers of Genco, Transco and Discoms, Hyderabad, at ESCI, REC's CIRE and for many engineering colleges for more than 25 years. Trained thousands of Practicing Engineers of Power sector both from India & Abroad, and Professors and students of Engineering colleges on various topics related to Power Generation, Transmission, Distribution, Automation, SCADA etc.



Er. Shubhendu Mukherjee with Post Graduated from Jadavpur University in Intelligent Automation and Robotics. Senior Member IEEE, Member CIGRE, Fellow IET, Chartered Engineer (IEI). His experience area are Power Generation: Thermal, Power Market: Design, Operation, Surveillance Regulatory affairs. His Published many more papers. His got best paper award "ICPS 2021 conference". Present position Chief Manager (Market Operation), National Load Dispatch Center & Project Manager of National Open Access Registry (NOAR).



Dr. Ravi Kumar Gopaluni Senior First Aid Trainer (more than 20 years' experience in training people in first aid and emergency management) Life Member and Trainer of Indian Red Cross Society, Hyderabad District Branch and life member of stjohn ambulance.





Er. Mohammed Asgar with Bachelor of Engineering (E.C.E) from Osmania University, Hyderabad. India - 1994 with distinction. He is 22 years. + of exp. in Leadership Role of Technical/Project Management/Client Interaction, 16 yrs as Technical Head/System Architect and Sr.Project Manager on Smart Grid/Smart metering Integration(AMR/AMI) & SCADA Implementation, Utilities interaction, IOT, Implementation of Wireless Communication technologies, MDAS Meter Data Management. He is GAETEC (Defence Research and Dev Organization DRDO): Oct 1997 - Nov 2003 and Award for outstanding Team Work as part of group of Defence Research and Development Organisation (DRDO) scientists- Award received from Defence Security Advisor to Govt. Of India and DRDO chief - 2001. His Published Novel Technique for characterization of Field Effect Transistor - Asia Pacific Microwave Conference, Taiwan & AP Akademy of Sciences - 2001.



Er. Gopichand. J with Post Graduation in Mechanical Engineering is an Expert on Pumps, viz, Boiler Feed Pumps, BF Booster Pumps, Condensate Extraction Pumps & Condenser Circulating Water Pumps for Power Stations. He is presently working as Senior Consultant in WEIR Minerals India, Bangalore, a Group Company of WEIR, UK. Earlier, he retired as General Manager from BHEL, Hyderabad. He has vast experience in this field with 35 Years in Pumps Division of BHEL, Hyderabad and 10 Years in WEIR Minerals / WEIR India Pvt Ltd, B'lore.



Mr. G. Sudarshan has completed his M.Sc (Geology) in 1978 and M.sc Tech (Hydrogeology) in 1979 from OU, Hyderabad. After briefly working as Geologist in Gujarat Water Resources Development Corporation (GWRDC), Government of Gujarat, he joined the Central Ground Water Board, Ministry of Jalshakti (MoJS), Government of India, through UPSC as a Scientist. During the tenure of 35 years of Government service in various capacities, superannuated as Regional Director from Bangalore Office in August 2015. His work experience largely consists of investigation, exploration, development, assessment and management of ground water resources in various hydrogeological environments and aquifer systems in Gujarat, Bihar, Maharashtra, Telangana, Andhra Pradesh, Delhi and Karnataka States.



Mr. Ch. Venkata Rajam, Director (Hydel), TSGENCO. He is a graduate in Bachelor of Engineering (Electrical) from Osmania University in May, 1979. Joined as Assistant Engineer (Plant, Erection) in erstwhile APSEB in January, 1980 at NSHES. After working in various capacities retired as Chief Engineer (Projects) in July, 2014 and joined as Director (Hydel) in TSGENCO in August 2014. He has 34 years of experience in operation and maintenance of Hydro Units. Taken classes in National Institute of Rural Electrification, Hyderabad on Construction, maintenance, Operation of Hydro Power Station and also on preparation of DPRs of Hydro Stations.



Mr. K. Maruthi Prasad, Post-Graduation in Chemistry. He has Experience of 36 years of various Government Organisations in different fields like Chemistry R&D, Archeological Chemistry, Explosives, Environment, Water Resources, etc. Presently taking care of NABL Accredited Laboratory. His Publications are 1. 14 state reports of AP and Telangana on Water Quality, 2. 10 Project reports on Water Quality and More than 20 Publications in various fields.



Dr. Baby Akula, PhD in Agrl. Science, presently working in Professor & HoD, Engineering College, PJSTAU. Specialized in Irrigation Water Management & Crop Modelling, Climatic Change and Art of Living. She toured to USDA, Beltsville, Maryland. She is a member of 10 Academic Societies. She received National Level Jawaharlal Nehru Award for the best PG Research in Agricultural Meteorology, PD. Ministry Gold Medal for best PhD. Thesis, J.V Satyanarayana Gold Medal Award for Highest Aggregate in Agronomy and T. Subbiramreddy Gold Medal in SSC.



Mr. M.K. Srinivas graduated in Civil Engineering from Osmania University, Hyderabad and did his Master's degree from Indian Institute of Science, Bengaluru. Presently he is working as Chief Engineer, Krishna Godavari Basin Organization, and Central Water Commission. He has over 32 years of experience in the field of Water Resources Development & Management. He has held various positions as Deputy Director, Director & Chief Engineer and worked in various areas such as Hygrometry, Flood Forecasting, Flood Management, Hydrological Data Processing, Project Appraisal and Project Monitoring. He worked as Director, National Water Academy, Pune for about 5 years. He also worked as Director General, National Water Development Agency (NWDA) which is entrusted with the responsibility in preparation of Detailed Project Reports for Interlinking of Rivers Programme of Ministry of Jal Shakti, Government of India. As DG, NWDA he organized the 6th India Water Week in 2019, which is the largest International event in Water Sector in India.



Mr. R. Pradeep Kumar is Professor of Civil Engineering and Head, Earthquake Engineering Research Centre, IIT Hyderabad. He did his Ph.D from University of Tokyo, Japan and M.Tech in Structural Engineering from IIT Kanpur. He is expert of earthquake safety assessment in India. He has developed a new methodology for documenting Housing Typologies and estimating Earthquake Disaster Risk Index of cities. He has undertaken vulnerability assessment of buildings for many state governments and 6 major ports in Gujarat. Professor Pradeep visited Bhuj, Gujarat for conducting reconnaissance survey after 26th January 2001 Bhuj Earthquake. He also visited tsunami affected areas of Andhra Pradesh after 24 Dec 2004. He is currently a BIS panel member of IS 456 & IS 1343, Earthquake Engineering Sectional Committee and also a member of National Building Code of India.



Dr. Umamaheswara Rao. B. Former SCIENTIST –D (RETIRED, CENTRAL GROUND WAATER BOARD). During the service period, Carried out different scientific studies like Hydrogeological surveys, Micro level ground water studies for notifying the areas, Ground water pollution studies and in Aquifer mapping studies, Drilling operations in both soft and Hard rocks, Scrutiny of reports for giving NOCs for industries for ground water with draws, Preparation of Artificial recharge plans for State and national institutes, Organizing Trainings and Mass awareness programs for employees and common people, Delivering lectures in the trainings, specially on water conservation and artificial recharge of ground water.



Dr. Chandrasekhar. V. M.Tech, PhD from IIT – Kharagpur is presently the Empanelled Expert, ESCI. CEO- Fusion Technologies. He is the Director of Lex – Q – Certifications and also Executive Director – Lex Nimble Solutions Limited. He is the Certified SCRUM Instructor & solutions Archetect and CMMI — Lead Appraiser & Lead Auditor (QMS, ISMS & ITSM). He is Certified in PMP from PMI, Six Sigma Black Belt from ASQ – USA, certified SCAMPI –Lead Appraiser – CMMI Institute and Enterprise Process Architect





Dr. Pandith Madhnure, who is working as Director, Ground Water Department since January 2018, initially joined in CGWB in 1993. He is having a field experience of more than 27 years in Earth, Atmosphere & Environmental Science and worked in different terrains of India, which provides a vital yet finite groundwater resources. He has obtained his Ph. D degree in Hydrogeology (Occurrence of Fluoride in Pandharkwada block in Yavatmal district (MS)) and is an external examiner for many Ph. D Students as a DAC Member for NGRI, Govt. of India. Extensively worked under NAQUIM Project conceived by Govt. of India and prepared "Aquifer maps and given the sustainable groundwater management plan" for Nalgonda, Nizamabad, Anantapur and Chittoor districts.



Mr. Y. Abdul Basheer, is a Civil Engineering, graduated from JNT University, Hyderabad (College of Engineering, Anantapur) and Post-Graduate in Water Resources Engineering from Kakatiya University, Warangal (Regional Engineering College, Warangal). He has more than 36 years of professional experience in Irrigation & Command Area Development Department, Government of Andhra Pradesh, Hyderabad and Ministry of Water Resources, Government of India, New Delhi in areas of irrigation and command area development, integrated water management for irrigation, hydropower, drinking and industrial needs; modernization of irrigation systems, flood control and tunnel engineering for irrigation.



Dr. Chandra Sekhar is Professor in Civil Engineering at NIT Warangal. He is an expert in the areas of water quality, waste treatment & environmental impact assessment. He has lot of administrative experience as Registrar, NITW, Director (Academic), Institute for Electronic Governance, Govt of AP, Head, Training & placements, etc. He has coordinated several workshops, seminars, continuing education programs. Authored a text Book titled Environmental Science, which is prescribed text book in SVU, NITW, KU, etc. He was offered the prestigious Scholarships by the Max Plank Institute, Hamburg and DCAMM (Danish Center for Applied Mathematics and Mechanics) International Graduate Research School, Denmark. He was awarded Gold Medal and Memento for Best Contribution as Team Leader in the Janmabhoomi Programme involving peoples' participation.



Ms Suseela Kanduri has done her Masters in Commerce, Masters in Business Administration, P G in Business Ethics, an M Phil and PhD. She has keen interest in Multidisciplinary approach which is evident from her academic qualification specializing in Financial Management, Marketing, Developmental Economics, Business Ethics, Entrepreneurship, Strategic Management and Women Empowerment at various levels. She has 30 years of work experience both as an Academician and with the Corporates. She is a mental health advocate who is also a Certified Emotional and Mental Health Counselor, associated with an NGO, "SEVA", specializing in Young Adult Counseling and has been responsible for well-being of close to 500 families. She is an Executive Committee Member in Telangana Commerce Association, Life member in American Marketing Association (AMA), Life member Indian Accounting Association, Indian Science Congress Association (ISCA), and is associated with The Association of Lady Entrepreneurs of India (ALEAP) and Confederation of Women Entrepreneurs (COWE), Hyderabad Chapter.

Dr P Siva Ram, National Water Expert of Jal Jeevan Mission, Ministry of Jal Shakti, Government of India and Former Professor and Head, CRI, NIRDPR, Hyderabad. 32 Years in Rural Drinking Water and Sanitation, Rural Livelihoods, HRD, Participatory Training & Development and Social Security. Professional Affiliations are Indian Science Congress, Member in Indian Sociological Society, Citizen Support Group for Sanitation, Telangana. He published and reviewed more than 100 Papers at Various National and International level.



Dr. Wooday P. Krishna is a recipient of the Eminent Mechanical Engineer National Award for contribution in the field of Engineering from the Institution of Engineers (India). A techno-legal expert of high eminence, Dr. Krishna is credited with a number of professional accolades including prestigious fellowships of the Institution of Engineering and Technology, UK, the Indian Council of Arbitration; and, World Academy of Productivity Science, Canada. Top positions held by Dr. Krishna include President of Karnataka Gandhi Smarak Nidhi and Member of Karnataka State Disaster Management Authority, in the rank of Minister of State. He has also held key positions in the national management of highly credible service organizations like the Indian Red Cross Society and the Tuberculosis Association of India, which have pan-India presence. Dr. Krishna has also been honoured with the prestigious Nadoja Award which is equivalent to honorary degree of Doctor of Literature (D. Litt.) by Kannada University, Hampi.



Dr. A P Natarajan, a Post Graduate in commerce, Business Administration and Psychology. PhD in Psychology. He worked as Professor Psychology with Madurai Kamraj University. He is Visiting Professor of Harvard University (U.S) and OU, JNTU, Annamalai University. Dr. Natarajan is an Empanelled Expert to ESCI, Hyderabad. He is also a Chief Architect of Vision 20 Programme (A.P.) for IAS Officers. He has trained more than 10,000 students and Engineering Faculty across the country on various topics like Communication Skills, Interpersonal Skills, Leadership Skills, Emotional Intelligence, Problem solving skills etc. Dr. Natarajan also worked with Dr. Steve Suhlitz, (UN), Chief Trainer and Stan Harvard (US) on various projects titled key to corporate success.



Er. Sushil Kumar Soonee, Fellow of IET & IEEE, Founder CMD, POSOCO presently serving as Advisor : Electrical Engineering Honours graduate from IIT, Khargapur. After brief stint in private sector, he joined CEA through Indian Engineering Services. He possesses extensive experience in power system operation, implementation of ABT Mechanism, Free governor mode operation and Open Access in India. He has expertise in all Technical and commercial aspects of grid management and lead ERLDC, SRLDC and NRLDC. Extensively worked in integration of state grids to form regional grid in Eastern and North-Eastern Region. He is a Voracious reader widely traveled and has also authored 24 technical articles, which were presented in various fora. His current area of interest is power market design.









ESCI Family...





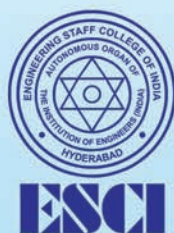
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