



ESCI



2024-25

SCHEDULE OF TRAINING & DEVELOPMENT PROGRAMMES



9 Golden Peacock
Awards

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



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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 in its desire to act as a bridge between Academic, 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 four 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

Dr. G. RANGANATH

M.E., Ph D, C.Engg (I), FIE,
Chairman BOM-ESCI
President, IEI

I am delighted to acknowledge the forthcoming release of the Annual Training Calendar for the fiscal year 2024-25 by the Engineering Staff College of India (ESCI), an esteemed organ of The Institution of Engineers (India).

The Institution of Engineers (India) [IEI] stands as a beacon of multidisciplinary professional body of engineers within the engineering domain, dedicated to fostering advancement among its members and affiliates. Established in 1920 and granted Royal Charter in 1935, IEI encompasses fifteen engineering disciplines, with a membership over nine lakhs, and serving the nation for over a century. With its headquarters located in Kolkata and operations through 125 State and Local Centres across the country, 6 Overseas Chapters, 7 Fora and an Organ, IEI has bilateral agreements with 34 international engineering societies and holds membership in six international engineering organizations. As a recognized Scientific & Industrial Research Organization (SIRO) sanctioned by the Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India, IEI promotes the cause of research and development, extending 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), established in 1981, serves to focus on National priority areas, administering Continuing Professional Development Programmes and Research & Development (R&D) initiatives. Furthermore, ESCI extends Consultancy & Technical Services to Industry, Academia, and R&D sectors across engineering, science & technology, and management domains including World Bank assignments and programs for international organizations such as UNESCO, UNICEF, and FANSA, both in India and abroad. It is a source of pride that ESCI has been designated as a Key Resource Centre (KRC) for training activities by eminent bodies such as the Central Electricity Authority and the Ministry of Road Transport and Highways. ESCI is at the forefront of offering virtual courses in Emerging Technologies such as Artificial Intelligence, Block-Chain, Internet of Things, etc.

I am confident that the forthcoming Annual Training Calendar for 2024-25 will prove invaluable to engineering professionals, and I extend my sincere commendations to the management team of ESCI for their sincere efforts in crafting this essential and informative calendar.

Dr. Ranganath, 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 400 to 500 open and in-house programs are being conducted every year. On an average 8000 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 Swatch 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 2024-25 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 2024-25, 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.

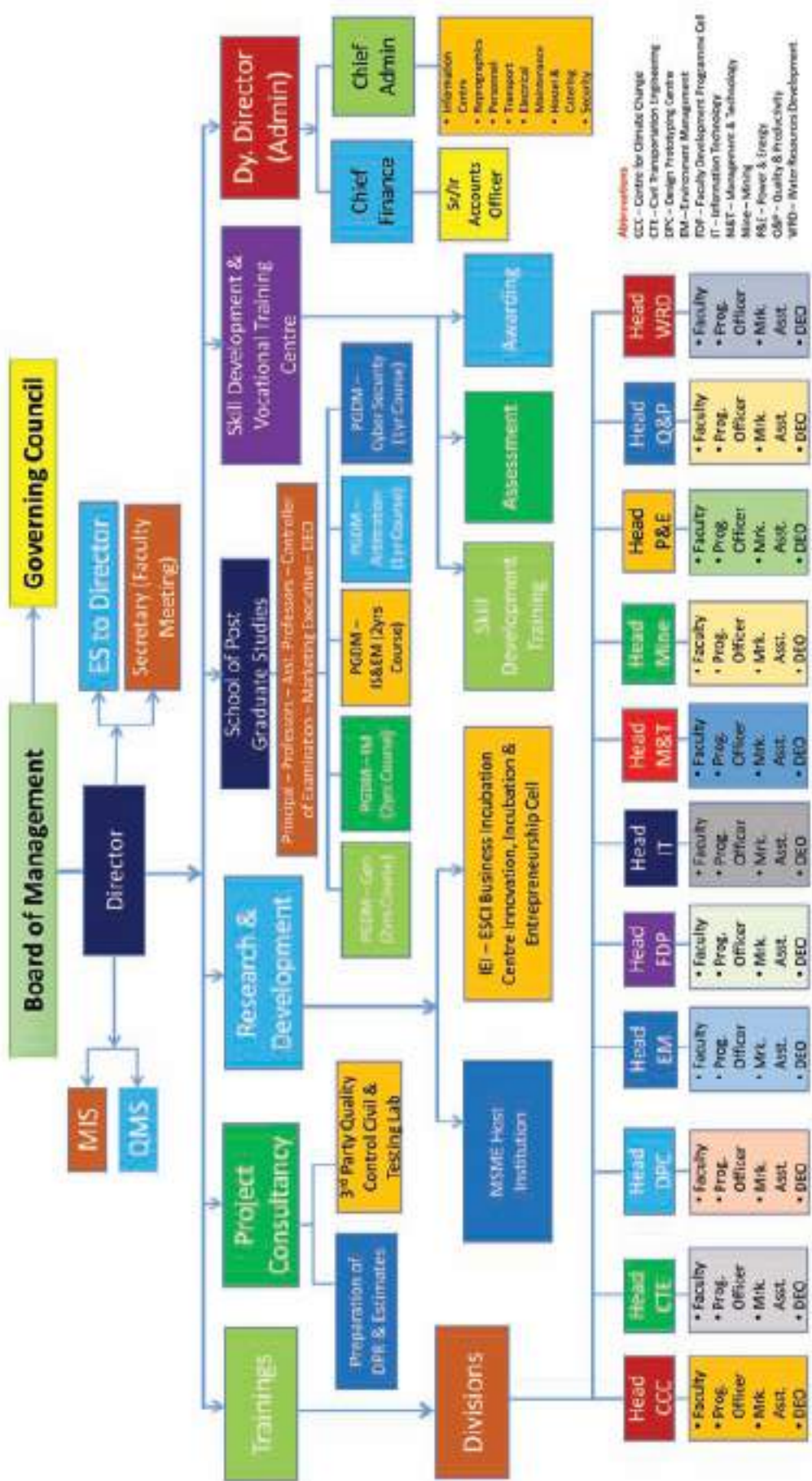
Dr. G. Rameshwar Rao, FIE

Director ESCI





ESCI - Organizational Structure



- Abbreviations**
- CCC - Centre for Climate Change
 - CTE - Cell Transportation Engineering
 - DPC - Design Prototyping Centre
 - EM - Environment Management
 - FDP - Faculty Development Programme Cell
 - IT - Information Technology
 - M&T - Management & Technology
 - Misc - Misc
 - P&E - Power & Energy
 - Q&P - Quality & Productivity
 - WRD - Writer-Resource Development



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 Division (DPC)

Design & Prototyping Centre (DPC) at ESCI is an initiative to foster design and development skills among young engineers and technologists of the



country. Engineering Staff College of India (ESCI) and EOS e-Manufacturing Solutions jointly established "Design & Prototyping Cell - Technology Demonstration Centre (DPC-TDC)" at on 9th April, 2015.

Now, Design Prototyping Centre & Mechanical Division as a Technology Demonstration Centre (TDC) is steadily progressing with its mandate to spread emerging technologies such as Additive Manufacturing & Reverse Engineering, Robotics, Artificial Intelligence, Prototyping & Design Optimization, and Hybridization of AI with 3D printing technologies, among scientists, working professionals, academicians, scholars, students, and technology enthusiasts.

The division facilitates, coordinates, collaborates, conducts training programmes, render technology services, promotes R&D activities, and undertakes consultancy assignments. The division is rapidly expanding its wings by enveloping to include areas such as Digital Manufacturing, Robotics - Humanoid for Industrial and Applications, Drones & RC Planes, Mechatronics, Digital Electronics, Product Design & Development, Rapid Prototyping, Mechanization & Automation.

The division is actively engaged in MSME activities and functioning as a MSME Business incubation centre. Being a Host Institution for MSME, the division has conducted three Idea Hackathons including a hackathon dedicated for women. To its credit, four ideas proposed are awarded with MSME grants. It is intended to transform this incubation activity into full-fledged IE (I)-Engineering Staff College of India - Technology Hub to promote innovative ideas in the following diverse emerging thrust areas:

- Additive Manufacturing & Reverse Engineering ,
- Renewable Energy & Allied Technologies,
- Sensors, Robotics & Automation,
- Low Code Development,
- Fast Moving Consumer Goods (FMCG) & Entertainment and Financial Management,
- Gaming and Digital Twins,
- Precision Engineering for Agro ecology & Growth Technology,
- Cognitive Architectures and Artificial Intelligence,
- IOT & ICT for Educational Technologies & Skill Development
- Minerals, Materials & Nanotechnology etc.

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 to enhance the skills of executives employed in the mining sector. Equipped with a network of experienced and dedicated internal faculty and empaneled professional experts, the Division is capable of providing high quality training and education in mining & allied engineering and techno-management domains including specific training programmes, safety audit and consultancy services tailored to suit the specific needs of the mining industry.

Area of Expertise:

- a) National Mineral Policy & Mineral Security, Critical Minerals, Rare Earth Elements.
- b) Resource Estimation & Mineral Economics, Geo-Statistics.
- c) Occupational Safety & Health- Hazard Identification, Risk Assessment, and Safety Management Plan & Health Management.
- d) Trends in Mechanization, Technology & Methods of Mining of Minerals/Ores by Underground and Opencast Technology.
- e) Mine Management, Legislation.
- f) Geological Models, Mining Plan, Project Report, Environmental Management Plan, Mine Planning Software.
- g) Environmental Laws, Policies, Impact Assessment.
- h) Mine Ventilation and Environmental Hazards and Monitoring.
- i) Sustainable Practices in Mining, Corporate Social Responsibility, Social Impact Assessment, Resettlement & Rehabilitation (R&R), District Mineral Foundation.
- j) Mineral Beneficiation, Conservation & Recycling, Quality Management.
- k) Green Mining- Coal Bed Methane (CBM), Coal Mine Methane (CMM), Underground Coal Gasification (UCG), Coal to Liquid (CTL).
- l) Smart Mining: 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, Condition Monitoring and Predictive Maintenance and Optimization of Resources.
- o) Mitigation of Challenges in Operations & Maintenance (O&M) to enhance Efficiency and Productivity.
- p) Safety Audit and Spot Inspection in Coal, Iron & Limestone Mines in Public & Private Sector.
- q) Effective Management of Organizational Resources.
- r) Concepts of Outsourcing, Contracts & Mine Developer cum Operator.
- s) Practical Training in Opencast/Underground Mines & Coal Handling Plants.
- t) Hands on Training on Advanced Land & Mine Surveying like Total Station, DGPS, Drones, LiDaR, 3-D Laser Scanner.
- u) Integrated Management Systems -ISO, TPM, KAIZEN.
- v) Specific Training Programmes at Site as desired by Mineral/Mining Industry.
- w) Induction Program for New Recruits.
- x) Professional Development Programmes for Trade Union Leaders and Technical Supervisors.
- y) Alternative Sources of Energy.
- z) Waste to Resources.

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 & Differential GPS Applications and Mobile 3D Mapping Techniques.
- (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.

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

4. Information Technology

- System Administration - Network Administration - Wireless Technology - Windows Administration
- MS SQL Server 2019 - Oracle Database Administration - Oracle Data Guard, Database Security
- Mail Server Administration - Apache Web Server Administration - Storage Area Networks
- Cloud Services using AWS / Open stack / Microsoft Azure
- 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
- Risk Assessment & Safety Management Plan

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 Mobile 3D Mapping & 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/ Engineers 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 Labour 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).



Golden Peacock Awards

2006, 2007, 2008, 2010, 2012, 2021, 2022, 2023 & 2024



Recognition / Empanelment

- ♦ ISO 9001:2015, ISO 14001:2015, ISO 50001:2018, ISO 45001:2018, ISO/IEC 17025:2017 Certified, AICTE & CEA Recognized Institution
- ♦ Received best Innovative Training provider in the year 2019 by Integrated Chambers of Commerce and Industry (ICCI).
- ♦ Host Centre for MSME
- ♦ Empaneled by Ministry of Road Transport and Highways.
- ♦ Jal Jeevan Mission under Ministry of Jal Shakti.
- ♦ Ministry of Housing & Urban Affairs.
- ♦ Ministry of Environment, Forest & Climate Change.
- ♦ Central Pollution Control Board & State Pollution Control Board.
- ♦ Urban Local Bodies of various States.
- ♦ Scientific and Industrial Research Organization (SIRO) by Ministry of Science and Technology Govt. of India.
- ♦ Empanelled with Bureau of Energy Efficiency, Ministry of Power, Govt of India.
- ♦ PRN (Permanent Registration Number) received under Govt. Agency Category under Deen Dayal Upadhyay Grameen Kaushal Vikas Yojana (DDU-GKY) by Ministry of Rural Development, Govt. of India.



- 01 Centre for Climate Change
- 02 Civil & Transportation Engineering
- 03 Design Prototyping Centre & Mechanical
- 04 Environment Management
- 05 Faculty Development Programme Cell
- 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.	Impact of Climate Change on Water Resources: Monitoring and Management	2	25- 26April 2024
2.	Nature based Solutions for Sustainable Development	3	15 - 17 May 2024
3.	Climate Change & Its impact on Soil Biodiversity	3	05 - 07 June 2024
4.	Remote Sensing and GIS applications in Global Warming and Climate Change	3	19 - 21 June 2024
5.	Carbon Markets post COP28 - Renewable Energy Transition	3	10 - 12 July 2024
6.	Application of Bio-Engineering Technologies for Wastewater Treatment in Nalas, Drains, and Canals	3	07 - 09 August 2024
7.	Climate Change, Public Policy and Governance for Mitigation & Adaptation	3	21 - 23 August 2024
8.	Climate-Resilient Regenerative Agricultural Practices for Conservation of Natural Resources	3	03 - 05 September 2024
9.	Climate Change Adaptation through Agroecology and Organic Farming	3	25- 27September 2024
10.	Climate Change Impact on Public Health	3	16 - 18 October 2024
11.	Sustainability Auditing of Urban Lakes Restoration and Management Practices	3	13 -15November 2024
12.	Water Use Efficiency in the Face of Climate Change	3	11 -13December 2024
13.	Scaling-up Climate Resilient Agriculture Practices towards Climate Smart Villages	2	23- 24January 2025
14.	Climate Resilient Water Supply System Design for Sustainability	3	12- 14February 2025
15.	Moving towards NETZERO Carbon Buildings to face Global Warming	2	06 - 07 March 2025

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

- River morphological Modeling in the context of climate change
- Urban Floods
- Climate Resilient Industrialestates
- Urban Forestry Climate Mitigation
- Climate Change and Irrigation
- Hydrologic Extremes
- Integrated Water Resource Planning and Management for better Irrigation Practices
- Disaster Risk Management
- GIS and Remote Sensing
- Hydrodynamic modeling
- Climate change adaptation
- Urban Heat Islands
- GHG emissions
- Climate Smart Agriculture
- Climate Variability
- Machine Learning and Deep Learning for Bio-Mass Estimation in Major Command Area
- Assessment for hydrological riskand hazard

TEAM	Prof. D. Venkat Reddy , Advisor	Ph: 9739536078
	Dr. K. Chandrakala , Faculty	Ph: 040-66304121, Mob: 8019438539
	Mr. Aadhi Naresh , Jr. Faculty	Ph: 040-66304121, Mob: 9494872533

Email: ccc@escihyd.org





“Towards Net Zero in the Industrial Sector in G20Summit”

Organized by The Institution of Engineers - India and International Solar Alliance
24 - 26 August 2023 at ESCI, Gachibowli, Hyderabad.





S. No.	Programme Title	Days	Dates
1.	Advanced Construction Materials in Concrete Technology and its Applications	5	22 - 26 Apr 2024
2.	Concepts on Design, Construction & Maintenance of Culverts	5	13 -17 May 2024
3.	Recent Advances in Planning, Design, Construction & Maintenance of High Rise Buildings	5	10 – 14 Jun 2024
4.	Safety Management in Construction and Civil Structures	5	8 – 12 Jul 2024
5.	Advanced Intelligent Transportation System Applications for Highways	5	22 – 26 Jul 2024
6.	Testing of Civil Engineering Materials	5	5 - 9 Aug 2024
7.	Concepts on Design, construction & Maintenance Of Bridges	5	9 – 13 Sep 2024
8.	Recent Trends in Design, Construction & Maintenance of Rigid Pavements	5	23 – 27 Sep 2024
9.	Rehabilitation of Bridges using latest Techniques & Risk Criteria	5	21 – 25 Oct 2024
10.	Enhancing structural durability with advanced waterproofing solutions	5	4 – 8 Nov 2024
11.	Rehabilitation of Buildings using latest Techniques & Risk Criteria	5	16 – 20 Dec 2024
12.	Road Safety Audit	30	2 – 31 Dec 2024
13.	Design, Construction & Maintenance of Rigid Pavements	5	6 – 10 Jan 2025
14.	Contract Management A Dispute Resolution in Engineering Projects	5	3 – 7 Feb 2025
15.	Contract Management E-Tendering and Condition of Contract for EPC/Turnkey projects-FIDIC 99	5	10 – 14 Mar 2025

Note:

1. All the Programs Conducted Offline only.
2. All the Programs designed as 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.

STP 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 can be done on the request from the participants/ Organizations.





Civil & Transportation Engineering

TEAM

Dr. Venkat Reddy, Sr. Faculty & Head I/C

Ph: 040-66304114, Mob : 9490011311

Mr. Ch. Tilak, Faculty

Ph: 040-66304115, Mob : 9052313252

Ms. Swetha, Jr. Faculty

Ph: 040-66304107, Mob : 7093155365

Email: cte@escihyd.org





S. No.	Programme Title	Days	Dates
1.	3D Printing in Manufacturing	4	02 - 05 Apr 2024
2.	Advanced Manufacturing Processes For Sustainable Polymer-Based Materials	3	22 - 24 Apr 2024
3.	Advances in Design & Optimization of UAV's for Industrial Applications (Defense, Mining & Construction)	4	06 - 09 May 2024
4.	Geometric dimensioning and tolerancing	3	06 - 08 May 2024
5.	Applications of Python for Mechanical Systems	3	13 - 15 May 2024
6.	Coating & Paint Technology	3	03 - 05 Jun 2024
7.	Coding for CFD simulations using Python	3	25 - 27 Jun 2024
8.	Engineering Optimization: Traditional Vs Non-Traditional Methods	3	25 - 27 Jun 2024
9.	Design & Optimization of UAV's for Industrial Applications (Defense, Mining & Construction)	4	08 - 11 Jul 2024
10.	Developing Cost-Effective Humanoid Robots	3	22 - 24 Jul 2024
11.	3D Printing in Manufacturing	4	05 - 08 Aug 2024
12.	Engineering Design using AutoCAD (Mechanical)	4	20 - 23 Aug 2024
13.	Engineering Simulation using ANSYS & CFD - With Hands-on Approach	4	02 - 05 Sep 2024
14.	Engineering Simulation using LS-DYNA	4	16 - 19 Sep 2024
15.	Engineering Simulation using Solid Works	5	07 - 11 Oct 2024
16.	Ferrous and nonferrous castings: Defects & Rectifications	3	21 - 23 Oct 2024
17.	Geometric dimensioning and tolerancing	3	04 - 06 Nov 2024
18.	Stochastic Optimization Techniques for Real World Engineering Problems	3	04 - 06 Nov 2024
19.	Hands-on training in ANSYS for simulating Structural, fluid and FSI problems	4	18 - 21 Nov 2024
20.	Heat Treatment - Furnaces, Processes and Innovations	3	02 - 04 Dec 2024
21.	Metal Additive Manufacturing and its Applications	4	16 - 19 Dec 2024
22.	Product Design and Development	3	07 - 09 Jan 2025
23.	Reverse Engineering Techniques (collaboration with Industry)	3	21 - 23 Jan 2025
24.	Robotics for industrial automation	3	04 - 06 Feb 2025
25.	Spring Coiling & Testing	3	04 - 06 Feb 2025
26.	Surface Engineering - Concepts, Applications and Emerging Technologies	4	18 - 21 Mar 2025
27.	Engineering Simulation using ANSYS & CFD - With Hands-on Approach	4	24 - 27 Mar 2025

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 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 for Industrial Applications.





Design Prototyping Centre & Mechanical

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

Dr. R S S Prasanth, Sr. Faculty

Ph : 040 - 66304185, Mob : 9897020919

Dr. N V S S Sagar, Faculty

Ph : 040 - 66304184, Mob : 8374632121

Email: dpc@escihyd.org / mechanical-dpc@escihyd.org



S. No.	Programme Title	Days	Dates
1.	Bio Medical Waste Management – Handling & Safe Disposal Options with New Rules 2016	3	03 - 05 Apr 2024
2.	Advanced technologies based Water and Waste Water Treatment for Zero Discharge Compliance	3	24 - 26 Apr 2024
3.	Conducting EIA Study and Preparation of EIA reports – Case study & Group Discussion.	3	07 - 09 May 2024
4.	Sustainable Storm Water Drainage System	3	20 - 22 May 2024
5.	Air Pollution Monitoring & Modeling using Software Applications – Theory & Practical's.	3	05 - 07 Jun 2024
6.	Application of GIS, GPS & RS in Environmental Data Management.	3	19 - 21 Jun 2024
7.	Land use Management - Land Reclamation & Rehabilitation	3	26 - 28 Jun 2024
8.	O&M of Sewerage network System and treatment plants	5	01 - 05 Jul 2024
9.	Faecal Sludge and Septage Management	3	23 - 25 Jul 2024
10.	E-Waste Management-Issues, Collection and Disposal Mechanism	2	01 - 02 Aug 2024
11.	IT Enabled Applications in Water Supply and Sewerage Projects.	4	19 - 22 Aug 2024
12.	Water Pollution Monitoring & Modelling using Software Applications – Theory & Practical's.	3	03 - 05 Sep 2024
13.	Solid Waste Management System and Sustainable Sanitation	3	16 - 18 Sep 2024
14.	Wet Lands Management	3	25 - 27 Sep 2024
15.	Attaining & encountering the challenges in water supply & sewerage system	4	08 - 11 Oct 2024
16.	Smart City Solution and Environmental Aspects	3	22 - 24 Oct 2024
17.	Hands-on training on GIS Applications- Arc GIS	3	05 - 07 Nov 2024
18.	Rejuvenation of Water bodies and Rain water harvesting	4	19 - 22 Nov 2024
19.	Recycle and Reuse Options of Waste Water	3	27 - 29 Nov 2024
20.	Environmental Damage Assessment and Remediation Plan	3	04 - 06 Dec 2024
21.	Water Audit & Software – Urban Water Management	3	17 - 19 Dec 2024
22.	Pollution prevention plan and management of Environment towards Industries	3	06 - 08 Jan 2025
23.	Hazardous Waste Management & Prevention	2	23 - 24 Jan 2025
24.	Plastic waste management	2	31 Jan - 01 Feb 2025
25.	Online Monitoring Industrial Emission Effluent (Technical Guidelines and Demonstration).	3	05 - 07 Feb 2025
26.	Desalination Process – Planning, Design & Operation	3	19 - 21 Feb 2025
27.	Preparation of DPR and Tender Documents for Sewage Treatment Plant.	3	26 - 28 Feb 2025
28.	Current Environment legislation and Regulations	3	11 - 13 Mar 2025
29.	City Water Action Planning	3	19 - 21 Mar 2025
30.	Urban Water Management and Circular Economy	3	26 - 28 Mar 2025

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

- 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





Environment Management

- 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

Ms. Anita Aggarwal, Faculty & Head I/C

Ph : 040 - 66304120, Mob: 8374362306

Mr. G Nagamalleswar Rao, Dy. Manager (Programmes)

Ph : 040 - 66304122, Mob: 9866431555

E-mail: em@escihyd.org





S. No.	Programme Title	Days	Dates
1	Mastering High-Performance Teams: Competency Building for Collaborative Excellence	3	24 - 26 Apr 2024
2	Executive Development Programme in Digital Transformation Strategies: For Future Ready Organisations.	3	15 - 17 May 2024
3	Integrated Scientific Project Management	3	28 - 30 May 2024
4	Skill Enrichment Programme for Technical Officers of Defence, Govt & PSU's	3	11 - 13 Jun 2024
5	Personality Development (An Ordinary to Extraordinary Personality Empowerment)	3	25 - 27 Jun 2024
6	Capacity Building Programme for Technical Personnel of Defence, Govt. & PSU's	3	09 - 11 Jul 2024
7	Training on Risk Management for Engineers, Scientists and Managers.	3	23 - 25 Jul 2024
8	Leadership Styles and Teambuilding Skills for Organisational Development.	3	29 - 31 Jul 2024
9	Hands on Training on Advanced & Basic Excel (major focus towards Data Visualization)	3	06 - 08 Aug 2024
10	Executive Development Programme on Strategic Management for Critical	3	28 - 30 Aug 2024
11	Decision Making in Digital Era.	3	10 - 12 Sep 2420
12	Effective Trade Union Management	3	24 - 26 Sep 2024
13	Executive Development Programme on Leadership & Change Management.	3	22 - 24 Oct 2024
14	Mindful Living, Productive Working: A Training Program for Stress Management and Work-Life Integration	3	19 - 21 Nov 2024
15	Effective Business Communication(Mastering the Art of Clear and Impactful Messaging)	3	26 - 28 Nov 2024
16	Residential Training on Artificial Intelligence and its Applications.	3	10 - 12 Dec 2024
17	Residential Training on Technology Management, Commercialization and Transfer.	3	17 - 19 Dec 2024
18	Residential Training on Digital and Financial Literacy	3	08 - 10 Jan 2025
19	Residential training on Emotional Intelligence and interpersonal relations at work place	3	21 - 23 Jan 2025
20	Residential Training on Intellectual Property Rights and IP	3	28 - 30 Jan 2025
21	Commercialization	3	11 - 13 Feb 2025
22	Personality Development (An Ordinary to Extraordinary Personality Empowerment)	3	18 - 20 Feb 2025
23	Management of Training for Training & HR Managers	3	04 - 06 Mar 2025
24	Executive Development Programme on Digital HR Transformation & AI Driven HR Analytics	3	18 - 20 Mar 2025





Faculty Development Program

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 I/C

Ph: 040-66304113, Mob : 9912523285, 9493056708

Mr. B Mohan, Jr. Faculty

Ph: 040-66304116, Mob : 7858873963

E-mail: fdp@escihyd.org / fdpdiv@escihyd.org



S. No.	Programme Title	Duration	Dates
1	Cyber Security Best Practices for Managers & Executives	3	22 - 24 Apr 2024
2	Project Management using MS Project 2021	3	24 - 26 Apr 2024
3	Big Data Analytics Using MS Excel & Power BI	4	14 - 17 May 2024
4	Network & Security Administration	5	27 - 31 May 2024
5	Effective Utilization of ChartGPT Office Administration	5	10 - 14 Jun 2024
6	Cyber Security Tools & Security Audit	3	19 - 21 Jun 2024
7	GEM Procurement Procedures – Gem Account operation from Basic to expertise (Buyer module)	5	24 - 28 Jun 2024
8	Certification on Microsoft Power BI Data Analyst	4	02 - 05 Jul 2024
9	MS Azure Cloud Administration	4	15 - 18 Jul 2024
10	Web Development using MERN Stack	5	22 - 26 Jul 2024
11	Advance Excel for Report Generation & Analytics	3	05 - 07 Aug 2024
12	Linux Server (RHEL8) Administration	5	05 - 09 Aug 2024
13	Working with BOSS Linux & Libre Office	3	26 - 28 Aug 2024
14	Cyber Security & Digital Forensic Tools	5	26 - 30 Aug 2024
15	Information Security Policies & Security Audit	3	18 - 20 Sept 24
16	Network Administration: Configuring & Securing LANs and WANs	5	23 - 27 Sep 2024
17	Big Data Analytics for Business Decisions (Hands-on on MS Excel & Tableau)	3	25 - 27 Sep 2024
18	Information Security Management System (ISMS - ISO 27001) Lead Implementer	4	14 - 17 Oct 2024
19	Effective Utilization MS office Applications	5	14 - 18 Oct 2024
20	Machine Learning & Artificial Intelligence	5	21 - 25 Oct 2024
21	MS SQL Server 2019 Database Administration	4	04 - 07 Nov 2024
22	Mobile Application Development using REACT NATIVE	5	04 - 08 Nov 2024
23	SAP S4 HANA Administration	4	18 - 21 Nov 2024
24	Cyber Security Policies & Crisis Management Plan	5	18 - 22 Nov 2024
25	Procurement Rules for Goods & Services incldg Gem Portal & GFR 2017 Guideline	5	02 - 06 Dec 2024
26	Software Testing & Quality Assurance	4	09 - 12 Dec 2024
27	Firewall & VPN Security Administration	5	16 - 20 Dec 2024
28	SAP S/4 HANA FIORI	5	16 - 20 Dec 2024
29	Cyber Security Best Practices for Managers & Executives	3	06 - 08 Jan 2025
30	Web Application Penetration Testing and Web Security	3	29 - 31 Jan 2025
31	IT Tools & Techniques for Office Administration	3	03 - 05 Feb 2025
32	Cyber Forensic Tools & Investigation Process	5	10 - 14 Feb 2025





Information Technology

IEI - ESCI : 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

TEAM	Name	Contact
	Mr. Syed Azgar, Sr. Faculty & Head I/C	Ph : 040 - 66304123, Mob : 8886661060
	Mr. T Murali Krishna, Project Engineer	Ph : 040 - 66304124, Mob : 9177461391
	Ms. K Sowmya, Jr. Faculty	Ph : 040 - 66304124, Mob : 7799291112
	Ms. P Jyothi, Jr. Faculty	Ph : 040 - 66304124, Mob : 9849531124

Email : it@escihyd.org



S. No.	Programme Title	Days	Dates
1	Advancements in Casting, Forging and Sheet Metal Forming	5	15 - 19 Apr 2024
2	Latest trends in Welding Technology and NDT Techniques (Theory and Practical exposure)	5	22 - 26 Apr 2024
3	Occupational Health and Safety (OH&S) Management System	4	07 - 10 May 2024
4	Vibrations, Balancing, Alignment and Condition Monitoring of Rotating Equipment (Theory and Practical Orientation with Technical Visit)	5	27 - 31 May 2024
5	"Organizational Culture Assessment, Change Management & Strategic Leadership"(Developing a Positive Culture where People and Performance Thrive)"	4	10 - 13 Jun 2024
6	Industrial bearings Revisited- Maintenance, Condition Monitoring, Analysis and Prevention of Failures	4	18 - 21 Jun 2024
7	Advanced Course on Effective Spares Parts Inventory Management	4	25 - 28 Jun 2024
8	NDT Level II Certification in Dye Penetrant Inspection (DPI) and Magnetic Particle Inspection (MPI) (in Accordance with ASNT Document No. SNT-TC-1A 2011)	5	08 - 12 Jul 2024
9	Operation, Maintenance and Performance Monitoring of Centrifugal Pumps, Blowers and Compressors (including Reciprocating and Screw Compressors)	5	22 - 26 Jul 2024
10	Conflict Management, Decision Making and Problem Solving Skills	4	29 Jul - 01 Aug 2024
11	Maintenance and Troubleshooting of Hydraulics and Pneumatics Systems	4	06 - 09 Aug 2024
12	Artificial Intelligence and Machine Learning for Predictive maintenance and Process automation in Process Industries	3	12 - 14 Aug 2024
13	Strategic Management for Scientists and Engineers	4	20 - 23 Aug 2024
14	Corrosion Engineering, Advanced Materials for Corrosion Resistance Coatings and Emerging Applications	4	27 - 30 Aug 2024
15	Non – Destructive Testing and Failure Analysis of Castings, Forgings, Weldments and Tubes	5	09 - 13 Sep 2024
16	Creativity and Innovation Techniques for Technical Officers, Scientists and Engineers	4	17 - 20 Sep 2024
17	NDT Level II Certification in Ultrasonic Technique (in Accordance with ASNT Document No. SNT-TC-1A 2011)	8	23 Sep.-01 Oct 2024
18	Advances in Supply Chain and Logistics Management	4	08 - 11 Oct 2024
19	Advances in Industrial Heat-treatment of metals and alloys	4	15 - 18 Oct 2024
20	Crisis Management Skills for Engineering Managers and Scientists	3	28 - 30 Oct 2024
21	Energy Conservation/Energy Saving in Process Industries & Manufacturing units	4	11 - 14 Nov 2024
22	Stress Management and Work Life Integration for Engineers and Scientists	4	19 - 22 Nov 2024
23	Exploring AVEVA E3D Design: Revolutionizing Engineering and Design	5	25 - 29 Nov 2024
24	NDT Level II Certification in Visual Inspection/Visual Testing (in Accordance with ASNT Document No. SNT-TC-1A 2011)	5	09 - 13 Dec 2024
25	Advanced Project Management with MS Project	4	17 - 20 Dec 2024
26	Mind and Health Management for Scientists, Engineers and Technical Officers	3	26 - 28 Dec 2024
27	CNC Cutting tools and Machining Techniques (Selection of Tools, Sustainable cutting fluids and cutting parameters for CNC Machining)	3	06 - 08 Jan 2025
28	Communication and Presentation Skills for Lower & Middle Level Staff/Officers	3	22 - 24 Jan 2025
29	Engineering Simulation using ANSYS & CFD	5	10 - 14 Feb 2025
30	Contract Management and Conflict Resolution in Engineering Projects	3	25 - 27 Feb 2025
31	Implementing Zero Defect and Zero Effect (ZED) in Manufacturing	3	05 - 07 Mar 2025
32	Professional Ethics,Work culture & Moral Values for Engineers, Scientists and Technologists	3	18 - 20 Mar 2025





Management and Technology

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	Behaviourial competency professional certification from ISMA	Duration: 3 days
5	Software training on ANSYS, CFD, AUTOCAD, HYPERMESH & AVEVA	Duration: 5 days

TEAM	Dr. P.V.S.S. Sridhar, Sr. Faculty & Head I/C	Ph : 040 - 66304111, Mob : 7896172182
	Dr. K. Bharath, Faculty	Ph : 040 - 66304105, Mob : 7097282619
	Mr. Vijay, Program Officer	Ph : 040 - 66304112, Mob : 9573214387

Email: mt@escihyd.org / mtmkt@escihyd.org



S. No.	Programme Title	Days	Dates
1	Efficient Drilling & Blasting Operations in Opencast Mines	3	15 - 17 Apr 2024
2	General Safety in Mining - Risk Assessment, Accident Prevention, Formulation of Safety Management Plan, Safety Audit, Legislation, ISO- 31000	5	22 - 26 Apr 2024
3	Trends in Mechanization & Technology in Underground and Opencast Mining for Improved Productivity and Safety	3	8 - 10 May 2024
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 for Monitoring	3	15 - 17 May 2024
5	Effective Utilization of Organizational Resources in Opencast Mining Projects: Total Productive Maintenance of Machinery, OITDS, Machine Utilization, Standard Operating Procedures, Design of Haul Roads, Tyre - Care, Conservation of Fuels & Energy, Mine Wastes to Resources ISO - 50001:2018	3	22 - 24 May 2024
6	Emerging Trends in Drilling & Blasting Operations in Mining & Civil Engineering Projects	3	5 - 7 Jun 2024
7	Reliable Mine & Land Surveying through Advanced Technology - Total Station, DGPS,3D Laser Scanner, LiDaR, Drones, GIS, Remote Sensing, Demonstration and Hands-on Training on Instruments	4	18 - 21 Jun 2024
8	Smart Mining with Digital Technologies - Application of Internet of Things (IoT), Smart Sensors and Artificial Intelligence, Robotics, Remote Operations, Men-Tracking	3	3 - 5 Jul 2024
9	Occupational Safety & Health Challenges in Coal & Iron Ore Mining	5	15 - 19 Jul 2024
10	Energy Security – Exploration & Mining of Critical Minerals & Elements	3	24 - 26 Jul 2024
11	Promotion of Electrical Safety, Energy & Safety Audit in Mining Projects	3	7 - 9 Aug 2024
12	Trends in Blasting in Opencast Mines to Mitigate Undesirable Effects	3	19 - 21 Aug 2024
13	Condition-Based Monitoring & Maintenance for Effective Utilization of Mining Machinery	3	4 - 6 Sep 2024
14	Social Impacts of Mining Projects - Social Impact Assessment, Land Acquisition, Rehabilitation & Resettlement, Pollution Control Measures, Water and Soil Management, Controlled Blasting, Skill Development of Affected Persons	3	18 - 20 Sep 2024
15	Application of IoT, Machine Learning and Artificial Intelligence in Mining	3	9 - 11 Oct 2024
16	TQM Practices and Tools for Organizational Excellence	3	23 - 25 Oct 2024
17	Comprehensive Course for Workmen's Inspectors, Pit - Safety Committee Members & Electrical Supervisors	3	6 - 8 Nov 2024
18	Conservation of Depleting Mineral Resources	3	20 - 22 Nov 2024
19	Fundamentals of Mining for Personnel & IT Managers – Basics of Geology, Exploration, Surveying, Mineral Extraction, Rehabilitation, Team Building, HR Practices	3	4 - 6 Dec 2024
20	Principles & Practices of Sustainable Mining: Corporate Social Responsibility, Social Impact Assessment, Dump Management, Controlled Blasting Techniques, Sewage Treatment, Bio - Medical Waste Management, Conservation & Recycling of Resources, Conversion of Wastes to Resources, Water- Body in Mined out Areas	3	18 - 20 Dec 2024
21	Effective Technical & Managerial Skills for Supervisory Staff in Mining & Mineral Industry	3	8 - 10 Jan 2025
22	Management Programme, Communication & Presentation Skills, Team Building, Leadership, Skill Development for Managers & Engineers in Mineral Industry	3	20 - 22 Jan 2025
23	Personality Development Programme for Representatives of Workers in Industry	3	5 - 7 Feb 2025
24	Mine Geology & Advanced Exploration Techniques	3	19 - 21 Feb 2025
25	Safe Operation in Coal & Iron Ore Opencast Mines	3	5 - 7 Mar 2025
26	Formulation of Mining Plan, Environmental Management Plan, Project Report	3	18 - 20 Mar 2025





Mining Engineering

Note : In-house / Customized Training Programmes are also undertaken, 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, Drone Technology 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	Er. K J Amarnath , Sr. Faculty & Head I/C	Ph : 040 - 66304154, Mob : 9491144022
	Dr. M S Venkataramayya , Advisor	Ph : 040 - 66304154, Mob : 9398431318
	Mr. L Krishna , Faculty	Ph : 040 - 66304167, Mob : 9553939316
	Mr. M S V S Prakash , Officer	Ph : 040 - 66304167, Mob : 9908471356

Email : mining@eschiyd.org



S. No.	Programme Title	Days	Dates
1	Distribution Transformers - O&M achieving Zero Breakdown	4	16 - 19 Apr 2024
2	Renewable Energy Systems - Wind & Solar - Grid Integration	4	23 - 26 Apr 2024
3	Electrical Safety Procedures & Accident Prevention	4	07 - 10 May 2024
4	Power Plant Chemistry for Chemists and Operation Engineers	3	14 - 16 May 2024
5	Rooftop Solar PV Grid - Design, Erection, Commissioning & Maintenance	4	28 - 31 May 2024
6	Best Practices in Energy Auditing of T&D Systems	4	04-07 Jun 2024
7	Substation Automation and Smart Grids	4	11 - 14 Jun 2024
8	Environmental Issues, Challenges and Pollution Control Strategies in Thermal Power Plants	3	25 - 27 Jun 2024
9	Cost reduction by Energy Auditing, Management & Design of Solar Energy Systems	4	02 - 05 Jul 2024
10	Smart Grid & Smart Metering Technologies & Applications	4	09 - 12 Jul 2024
11	Best Practices in O&M of Industrial Valves & Actuators for Heavy Industries & Power Plants	3	17 - 19 Jul 2024
12	Gas Insulated Substations - Design features, Construction, Testing, Operation and Maintenance	4	23 - 26 Jul 2024
13	Operation, Maintenance & Testing of Power Transformers and HT Circuit Breakers	4	06 - 09 Aug 2024
14	Solar Energy Storage Battery Maintenance and Related Issues	3	21 - 23 Aug 2024
15	Distribution Automation & SCADA	3	28 - 30 Aug 2024
16	Flexibilization of Thermal Power Plants	3	03 - 05 Sep 2024
17	Power System Protection - Principles, Protection Relays and Fault Analysis	4	10- 13 Sep 2024
18	Penetration of Renewables - Technical Challenges and Regulatory Framework	3	18- 20 Sep 2024
19	Pilferage of Electricity - Detection & Prevention - Issues & Challenges	3	25 - 27 Sep 2024
20	Basic Principles of Vibration Analysis, Condition Monitoring, Balancing Procedures for high speed Rotating Machinery in Power Plants & Process Industries	4	07-10 Oct 2024
21	Power Cables Selection,testing,Laying and Commissioning	3	08 - 10 Oct 2024
22	Pumps Operation, Maintenance and Performance Monitoring for Power Plant Applications	3	16 - 18 Oct 2024
23	Smart Meter Integration - PMU Asset Management in T&D Utilities	4	22 - 25 Oct 2024
24	Hydro Turbines, Governing & its Protection Systems	4	05 - 08 Nov 2024
25	Challenges & Opportunities in EVs, Charging Stations and Grid Infrastructure - Latest EV Govt. Policies	4	12 - 15 Nov 2024
26	Transmission Line Construction (Survey, Design of lines and construction practices)	4	19 - 22 Nov 2024
27	CERC Regulations Including Tariff Regulations	4	26 - 29 Nov 2024
28	Latest techniques in Control & Instrumentation in Power Plants and process industries applications	4	03 - 06 Dec 2024
29	General Network Access (GNA) and Power Trading - ABT Scenario	3	11 - 13 Dec 2024
30	Innovative Practices and Financial healthiness of the DISCOMs- Issues & Challenges	3	18 - 20 Dec 2024





S. No.	Programme Title	Days	Dates
31	Tariff Policy - Basics of Tariff Calculation & Procedure / Information Required for Preparation of Tariff Petition (ARR) & Energy Scheduling	3	08 - 10 Jan 2025
32	Best Practices in O&M of Hydro Power Plants	4	21 - 24 Jan 2025
33	CEA Regulations 2023 - Measures relating to Safety, Electric Supply Associated Maintenance and Safety Practices	4	28 - 31 Jan 2025
34	Best Practices in O&M of Coal & Ash Handling Plants	4	04 - 07 Feb 2025
35	Franchise Models of Distribution Systems - Issues and Challenges	3	12 - 14 Feb 2025
36	Power Distribution Reforms - Issues of General Network Access - Power Exchange	3	18 - 20 Feb 2025
37	Super Critical and Sub Critical Boilers; Issues and Challenges of Cooling Water Chemistry in Power Plants and Process Industries	3	19 - 21 Feb 2025
38	Boiler Tube Failure Analysis & Preventive Measures	3	05- 07 Mar 2025
39	IT Solutions in DISCOMs	3	10 - 12 Mar 2025
40	Generator & its Auxiliaries incl. Excitation System	4	18 - 21 Mar 2025
41	Condition based Maintenance aspects of Power Plant Equipment & Process Industries	4	25 - 28 Mar 2025
42	Cyber Security Issues in Power Sector	3	26 - 28 Mar 2025

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.

TEAM	Er. U. Vidya Sagar , FIE, Sr. Faculty & Head	Ph : 040 - 66304176, Mob : 8179559990
	Mr. A Chandra Mohan , Advisor	Ph : 040 - 66304171, Mob : 9866185035
	Dr. V. Vidya Sagar , FIE, Sr. Faculty	Ph : 040 - 66304170, Mob : 9421801203
	Mr. M Srikanth , Jr. Faculty	Ph : 040 - 66304189, Mob : 9885372277
	Ms. S. Rajeshwari , Manager (Prog)	Ph : 040 - 66304172, Mob: 9949004788
	Mr. N Narasimha , Prog. Manager	Ph : 040 - 66304173, Mob : 9346669197
	Ms. Sarada Devi , Prog. Manager	Ph : 040 - 66304174, Mob : 9676748090

Email : pe@escihyd.org / training.power@escihyd.org







S. No.	Programme Title	Days	Dates
1	Good Laboratory Practices	3	22 – 24 May 2024
2	Total Quality in Vigilance	3	10 – 12 Jun 2024
3	Road map for getting NABL accreditation	3	19 – 21 Jun 2024
4	Calibration in Engineering Industry	3	17 - 19 Jul 2024
5	ISO 9001:2015 QMS - Lead Auditor Training (CQI - IRCA - UK Certified)	5	22 - 26 Jul 2024
6	Total Quality in Purchase Process Including ERP & e-Procurement)	3	12 - 14 Aug 2024
7	Statistical Quality Control and Statistical Process Control	3	21 - 23 Aug 2024
8	Disciplinary Proceedings	2	05 - 06 Sep 2024
9	Industry 5.0, Quality Aspects	3	25 – 27 Sep 2024
10	Interlab Comparison & Proficiency Testing	3	09 - 11 Oct 2024
11	Quality Control and Engineering Inspection	3	16 - 18 Oct 2024
12	Process Excellence & People Excellence	2	06 - 07 Nov 2024
13	Introduction to Radar & EW Systems	3	13 – 15 Nov 2024
14	Good Manufacture Practices (GMP)	3	20 – 22 Nov 2024
15	Six Sigma Green Belt	5	02 - 06 Dec 2024
16	Laboratory Management System Awareness & Internal Auditing (As per ISO / IEC 17025 : 2017 & NABL Requirements)	4	09 - 12 Dec 2024
17	Quality & Reliability Management	3	16 – 18 Dec 2024
18	Risk Management	1	23 Dec 2024
19	ISO 9001 : 2015 QMS – Effective Implementation & Internal Auditor Training	3	06 - 08 Jan 2025
20	Uncertainty Measurement	2	20 – 21 Jan 2025
21	7 QC Tools	2	23 – 24 Jan 2025
22	Intellectual Property Rights (IPR) – Patent	3	04 – 06 Feb 2025
23	5S for Workplace Excellence	3	12 - 14 Feb 2025
24	Internal Auditor Training for AS 9100 Rev D	3	26 - 28 Feb 2025
25	Total Productive Maintenance	4	10 - 13 Mar 2025
26	Laboratory Management System Awareness & Internal Auditing (As per ISO / IEC 17025 : 2017 & NABL Requirements)	4	17 – 20 Mar 2025
27	Key Aspects of TQM	3	27 – 29 Mar 2025

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	Integrated Management System (IMS) : (ISO 9001 QMS,ISO 14001 EMS, OHSMS 45001) & Internal Auditor Training	Duration: 3 days
4	Laboratory Management based on ISO/ IEC 17025 : 2017 Awareness & Internal Auditor Training	Duration: 4 days
5	ISO 9001:2015 QMS-Effective Implementation & Internal Auditor Training	Duration: 4 days
6	Lead Auditor Training for AS 9100 Rev D (QMS Requirements for Aviation, Space and Defence Organization)	Duration: 5 days
7	Short term courses: 5S, Six Sigma, Lean, TPM, Poka Yoke, Metrology, Problem Solving, GMP, Daily Work Management, Workshop Practices, etc.	Duration: 3 months
8	Information Security Management System ISO 27001:2022 awareness programme	Duration: 3 days
9	Information Security Management System ISO 27001:2022 Lead Auditor training (CQI/IRCA Certified)	Duration: 5 days

TEAM	Dr. C S Krishna Prasada Rao, Sr. Faculty	Ph : 040 - 66304133, Mob : 9985297630
	Ms. Satya Laxmi, Program Officer	Ph : 040 - 66304110, Mob : 9966013930

Email : qp@escihyd.org





Water Resources Development

S. No.	Programme Title	Duration	Month
1	Smart Irrigation Technology for Better Water Use Efficiency	3	13 – 15 May 2024
2	Flood Analysis Using Advanced Software Techniques	5	27 – 31 May 2024
3	Digital Surface Modeling using GIS Techniques-Hands on Practice	5	10 – 14 Jun 2024
4	Dam Safety Guidelines - Monitoring and Protection Measures and Emergency Action Plan	5	24 – 28 Jun 2024
5	Assessment of Irrigation Demand and Irrigation Scheduling using Latest Software Applications	4	08 – 11 Jul 2024
6	Networking and use of sensors for on farm Irrigation Water Management	3	22 – 24 Jul 2024
7	Structural Safety of Existing Dams - Evaluation and Impacts	5	05 – 09 Aug 2024
8	Automation in Micro Irrigation Systems for improving Irrigation Efficiency	5	19 – 23 Aug 2024
9	Flood analysis using HEC-RAS Software	5	09 – 13 Sep 2024
10	Planning, Design, Construction and O&M of Lift Irrigation Schemes	4	23 – 26 Sep 2024
11	Strategies for More Crop for Drop of Water	4	14 – 17 Oct 2024
12	Failure of Gates & Dams and Preventions	3	23 – 25 Oct 2024
13	Design and Optimization of IoT Based Smart Irrigation System	5	04 – 08 Nov 2024
14	Instrumentation and Seismic Analysis of Gravity Dams with Software Applications	3	18 – 20 Nov 2024
15	Modernisation of Irrigation Systems using Latest Technologies	5	25 – 29 Nov 2024
16	Hydraulic Gates and Hoists - Design, Erection and Operation & Maintenance including Dismantling	5	09 – 13 Dec 2024
17	Water Conservation, Augmentation and Preservation / Digital Land Surveying & Mapping	3	18 – 20 Dec 2024
18	Planning, Design of Water Resources Structures using Finite Element Method	3	26 – 28 Dec 2024
19	Reservoir Sedimentation Impact and Management Strategies	3	06 – 08 Jan 2025
20	Contract Management and Dispute Resolution in Projects	5	20 – 24 Jan 2025
21	Planning, Design & Installation of Community Micro Irrigation System	5	03 – 07 Feb 2025
22	Project Management using MS Project and Primavera Software	3	17 – 19 Feb 2025
23	Satellite based property mapping in Urban Local Bodies	3	25 – 27 Feb 2023
24	Water Governance – Challenges and the way forward	3	05 – 07 Mar 2025
25	Soil & Water Conservation : Importance and Best Practices	3	17 – 19 Mar 2025



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

TEAM	Er. M Rajasekhar Reddy , Sr. Faculty & Head	Ph: 040 - 66304117, Mob: 9440817322
	Er. Rama Mohan , Advisor	Ph: 040 - 66304117, Mob: 9440904199
	Er. G Naresh , Faculty	Ph: 040 - 66304117, Mob: 8801193075
	Ms. S A Kavitha , Prog. Officer, I/C	Ph: 040 - 66304118, Mob: 9866977370

Email : wrd@escihyd.org



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 Evaluation to Construction of Academic & Administrative Buildings in Krishna University in Krishna District	Vice Chancellor Krishna University
2.	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
3.	Palamuru - Ranga Reddy Lift Irrigation Scheme-Detailed Survey & Preparation of DPR - Jurala Project & Srisailem Project as water Source	I&CAD Dept. Govt. of Telangana
4.	Dindi Lift Irrigation Scheme-Detailed Survey & Preparation of Detailed Project Report including Rachakonda Lift Irrigation Scheme	I&CAD Dept. Govt. of Telangana
5.	3rd Party Quality Control to Construction of Social Welfare Residential School Complexes & Class Rooms in the Districts of AP & Telangana	Secretary, TSWREIS & APSWREIS
6.	Preparation of DPRs for the Developmental works sanctioned under CM's Assurance Grants to Greater Warangal Municipal Corporation	Commissioner, GWMC, Govt of T.S.
7.	3rd Party Quality Monitoring Agency for Housing for All - AHP Projects under PMAY(U) in Raipur & Durg Clusters of Chhattisgarh State	Chief Executive Officer, SUDA, Chhattisgarh
8.	3rd Party Quality Control for Civil & CRMP Works, 4th Party of GHMC	SE, QCC, GHMC
9.	3rd Party Quality Control for 2BHK Houses in Mahabubnagar, Jogulamba Gadwal and Nirmal Districts	District Collectors of respective Districts
10.	3rd Party Quality Control for the works taken up by Telangana State Medical Services & Infrastructure Development Corporation (TMSIDC)	Chief Engineer, TMSIDC
11.	3rd Party Quality Control for the works taken up by the Andhra Pradesh Tribal Welfare Engineering Dept.	Engineer-In-Chief, APTWED
12.	3rd Party Quality Control Inspection for Bandlaguda and Pocharam Townships of Telangana Rajiv Swagruha Corporation Limited (TRSCCL)	Chief Engineer, TRSCCL, Govt. of Telangana
13.	3rd Party Quality Control for Developmental Works of Hyderabad Metropolitan Development Authority (HMDA)	Chief Engineer, HMDA, Govt. of Telangana
14.	3rd Party Quality Monitoring Agency for Housing for All - AHP Projects under PMAY(U) in Mahabubnagar District	Mission Director, MEPMA, Govt. of TS
15.	3rd Party Quality Control for Civil Works of Telangana State Tourism Development Corporation Limited.	Managing Director, TSTDC, Govt. of TS
16.	3rd Party Quality Control for Civil Works of Telangana State Agricultural Marketing Department	The Director, TSAMD, Govt. of TS
17.	3rd Party Quality Control for Civil Works of AP Educational Infrastructure Development Corporation	Chief Engineer, APEWIDC
18.	3rd Party Inspection Agency for the JJM Works in Karnataka State	JJM-Karnataka
19.	3rd Party Inspection Agency for the JJM Works in Tamil Nadu State	JJM-Tamil Nadu
20.	3rd Party Inspection Agency for the JJM Works in Kerala State	JJM-Kerala
21.	3rd Party Inspection Agency for the JJM Works in Chhattisgarh State	JJM-Chhattisgarh
22.	3rd Party Inspection Agency for the JJM Works in Madhya Pradesh State	JJM-Madhya Pradesh
23.	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	Mr. B. Jagadishwar , Chief Projects Coordinator	Ph: 040-66304129, Mob: 8008710999
	Mr. M.B. Praveen Kumar , Senior Consultant	Ph: 040-66304175, Mob: 9989986006
	Mr. R. B. Anil Kumar , Project Consultant	Ph: 040-66304130, Mob: 9989985464
	Mr. U Raja , Project Engineer	Ph: 040-66304165, Mob: 9963963579

Email: proj@escihyd.org



Agricultural College at Sircilla



Government Degree College for Men at Kurnool



Medical College at Suryapet



Cable Bridge at Mahabubnagar



Breeder Birds Sheds & Renovation of Veterinary Science College, Tirupati



Office Building & Laboratory at Palamaneru



Dravidian University at Kuppam





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.



Contact Details : Mr. Kishan, Marketing Manager - Call : 9140 66304177 / 78 / 82 / 89
Mobile : +91 7337319017



ALUMNI 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&!) of electrical equipment; b) Winding resistance (m&!);
- 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.

(b) Material testing :

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

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 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 Under taking & Industries

- BBMB, BCCL, BDL, BEST, BPCL, CCL, ECIL, HAL, HPCL, IIRS, IOCL, ICT 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 Coalfields
- Eastern Coalfields
- Centre for Water Resources and Management
- Cochin Shipyard
- Damodar Valley Corpn.
- Heavy Water Board
- Jal Kal Nagar Nigam
- Uranium Corporation
- Visakha Refinery





Sponsoring Organizations

- 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
- Medida Laboratories & Engineering Constultants Pvt., Ltd., Hyderabad, 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 Limitad, 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 Pvt. Ltd.
- Minematics Solutions Pvt. Ltd.
- Squadrone, Mining & Infra Ltd.
- Ideal Industrial Explosives Ltd.
- B.S. Ispat Ltd.

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, Maharastra
- SV University - Tirupati
- University Institute of Chemical Technology (UICT) Jalagaon, 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, Hyderabad.

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 in 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 the Environmental Impact Assessments as per the guidelines of CPHEEO / NRCD, MoEF / JNNURM / World Bank / JICA etc.

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

He is associated with several professional bodies as 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; Member of International Water Association; Life member of Indian Road Congress; Life member of Quality Circle Forum of India; Life member of The Indian Society for Technical Education; Life member of Solar Energy Society of India; Life member of Institute of Constitutional and Parliamentary Affairs.

He contributed more than 60 papers in Drinking Water Supply and Sewerage Systems in National and International Conferences and also delivered Invited Talks in various National and International Seminars.

He is associated with IEI for more than 38 years. He served as Joint Hon. Secretary for the session 2014-2016 and as the 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 session 2018-2020 and organized the following major events besides. 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" during 23rd to 25th October, 2019.
2. The International Conference on "Environmental Degradation: Key Challenge to Sustainable Development" during 22nd to 24th November, 2019.
3. 34th Indian Engineering Congress from 27th to 29th December, 2019 and received accolades of the elite of the participants. During the Congress, he received the 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, he is the Director of ESCI since August 2020 and steering the activities in an effective manner with a prospective vision to be future ready.





Prof. D. Venkat Reddy, PhD (Advisor - CCC), retired as HOD Civil, Engineering, National Institute of Technology, Karnataka (NITK). He obtained his doctorate and post-graduation from OU, Hyderabad, and Telangana State. He has conducted several quality improvement programs in engineering geology and geotechnology sponsored by AICTE and ISTE. He has published more than 150 research papers in national and international journals and six books, and he has been conferred several prestigious awards. He has undertaken several activities related to coordinating research interactions with foreign universities, such as the Department of Civil, Materials, and Environmental Engg., University of Illinois, Chicago, USA; the Geological Engineering Division, Dept. of Geology; the Geological Engg. Colorado School of Mines, Golden Colorado, USA; the Dept. of Mining and Metallurgical Engineering, University of Reno, Nevada, USA; and Advanced Study and Technology, Kumamoto University, Japan.



Dr. K. Chandrakala (Faculty - CCC), She completed B.Tech in Chemical Engineering from S.V. University, Tirupathi, and M.Tech from VTU, Belgaum. With 11 years of experience in Research & Development in Polymer Composites at the National Aerospace Laboratories (NAL), CSIR Lab in Bangalore, she holds a PhD in Chemical Engineering from BITS Pilani, Hyderabad. Her experience includes research, teaching, and involvement in the startup ecosystem, and she has published 7 research papers in international journals.



Dr. A. Naresh, (Jr. Faculty - CCC) currently serving as a Jr. Faculty in the CCC Division, holds a Ph.D. in Civil Engg. obtained in the year 2024 from the Dept. of Civil Engineering, OU, Hyderabad. He completed an M.E in Water Resources Engg. from OU and a B.Tech in Civil Engineering from JNTU. His professional trajectory encompasses diverse roles and experiences, including serving as a Visiting Scholar in Ecological Engg. at Texas A & M Agrilife, Texas A & M University, USA. He worked as a JRF under the DST-SERB, and a Research Assistant under the UGC-MRP project at the Dept. of Civil Engg. OU. He also worked under another DST-sponsored project as a Research Assistant at IIIT-Hyderabad. He is also an Associate member (AMIE) of The Institution of Engineers (India). His scholarly endeavours extend to numerous research publications comprising journal articles and book chapters in esteemed publications. He has presented his research findings at various international and national conferences, focusing on topics related to hydrology, climate change, urban flood modelling, and flood mitigation strategies.



Ms. Anita Aggarwal (Faculty & Head I/C - EM) is a B.E. Civil, M.Tech in Environmental Science & Engineering from IIT (ISM) Dhanbad. 13 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), 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) 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.



Ms. L. Swetha (Jr. Faculty - CTE), is a Junior Faculty in the Civil & Transportation Division at the Engineering Staff College of India. She holds a Bachelor's degree in Electrical and Electronics Engineering (EEE) from JNTU and a Postgraduate degree in Power Electronics from Malla Reddy Institute of Engineering and technology. During her academic journey, she has achieved notable recognition by Best Paper presentation on PEZIO ELECTRIC TRANSFORMERS IN SPACE APPLICATIONS conducted in KITS College. With a diverse background, she brings over 2 years of combined experience, with one year spent as a Teaching Faculty and another one year in industry. Her professional interests span across various domains within the realm of power and energy. Specifically, she focuses on advanced technologies in Solar Energy and latest developments in Electric Vehicles.





Dr. R S S Prasanth (Senior Faculty - DPC) - Design & Prototyping and Mechanical Division) obtained his Bachelors' degree in Mechanical Engineering from Dr. B R Ambedkar University, Agra. He obtained his M. Tech in Engineering Systems (Mechanical) and Doctorate in Intelligent Manufacturing Systems from the Department of Mechanical Engineering, Dayalbagh Educational Institute (Deemed University), Dayalbagh, Agra. He has an integrated and interdisciplinary experience of over twenty-five years in teaching and research. He has published number of research papers in national and international journals and conference proceedings. His works are cited in highly reputed international journals. He won multiple 'Best Paper' awards for his research contributions by IIT BHU & IIT Bhubaneswar. He has interdisciplinary research interest and currently working in nature inspired algorithms such as quantum inspired evolutionary algorithms and swarm intelligence based intelligent algorithms for traditional and nontraditional manufacturing systems. He is a member of Systems Society of India (SSI), Indian Society for Technical Education (ISTE), and Fellow of Institution of Engineers (IE).



Dr. N V S S Sagar (Faculty - DPC) completed his PhD in the domain of Additive Manufacturing and Unmanned Aerial Vehicles. He earned his undergraduate degree in Mechanical Engineering and his M.Tech in CAD/CAM. With over 12 years of experience, he has spent 11 years as a faculty member at various engineering colleges/universities and 1 year in industry as a product development engineer. His research areas of interest include additive manufacturing and unmanned aerial vehicles. Currently, he serves as a faculty member in the division of Design Prototyping Centre & Mechanical at the Engineering Staff College of India. He has authored seven peer-reviewed international journal articles and presented five international conference proceedings. Additionally, he has served as a reviewer for several peer-reviewed international journals related to Unmanned Aerial Vehicles. In recognition of his outstanding presentation paper, he received the Best Paper award at the International Conference IDAD 2018.



Mr. Sai Kishore (Faculty & Head I/C - FDP) 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. B. Mohan (Jr. Faculty - FDP) 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. Syed Azgar (Sr. Faculty & Head I/C - IT) 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.



Ms. K Soumya (Jr. Faculty - IT) holds a Bachelor's degree in Computer Science and Engineering (CSE) from Trinity Engineering College Karimnagar and a Postgraduate degree in Computer Science from Sree Chaitanya Institute of Technological Science. During her academic journey, she has done project works and presentations on latest technology. With a diverse background, she worked on Salesforce administration and holding certificate. Her professional interests span across various domains within the realm of salesforce. Specifically, she focuses on advanced technologies in Salesforce and latest developments in Power BI. Currently, she contributes to the academic sphere as a Junior Faculty, where she leverages her expertise to educate and inspire future professionals in the field of Information Technology at the Engineering Staff College of India.





Ms P Jyothi (Jr. Faculty - IT) is a Junior Faculty in the Information Technology Division at the Engineering Staff College of India. She has done Bachelor's degree from Osmania University and Master's in Computer Applications in Marri Laxman Reddy Institute of Technology from Jawaharlal Nehru Technological University. During her academic journey, She has done project works and presentations on latest technology. Certified as trained under Infosys Campus Connect. Her professional interests span across various domains within the realm of Information and Technology. Specifically, she focuses on advanced technologies in ASP .net and latest developments in Power BI, Testing.



Dr P.V.S.Sridhar (Sr. Faculty & Head I/C - M&T) 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) did B.Tech in Mechanical Engineering from MGIT-Hyd., M.Tech & Ph.D from NIT-Warangal. He completed Ph.D in Metal Forming & Modeling and published research papers in reputed journals and presented many technical papers in National/International conferences. He worked on a govt., project "Advanced Tantalum alloy Bulk metallic Glasses" during his tenure in DMRL (DRDO). He attended several training programmes under AICTE and TEQIP-II. He is a recipient of 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 4 NDT techniques. His key areas of interest and research include Metal forming, Modeling and Simulation, Deformation, Light weight metals and Welding & NDT. He involved in various capacities in teaching, research, & institution building and more than 6 years of research experience from different national organizations.



Er K J Amarnath (Sr. Faculty & Head I/C - Mining) 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. He is the Vice Chairman of MGMI, Hyderabad Chapter. Presently, he is employed as Senior Faculty-Head, Mining Division, Engineering Staff College of India, Hyderabad.



Dr M S Venkataramayya (Advisor - Mining) 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.



Mr. L. Krishna (Faculty - Mining) did his M. Tech in Mining Engineering and worked as an Assistant Professor at JBIET, Hyderabad after undergoing initial training in The Singareni Collieries Company Limited. He holds Second Class Manager's Certificate of Competency (Unrestricted). He published 4 papers in National Journals. He is an Associate Member of Institute of Engineers India (AMIE) and Secretary MEAI (Mining Engineers' Association of India), Hyderabad Chapter. Presently, he is working as a Faculty, Mining Division, Engineering Staff College of India.





Er. U Vidya Sagar (Sr. Faculty & Head - P&E) 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) 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 Vidyasagar (Sr. Faculty - P&E) 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. M Srikanth (Jr. Faculty - P&E) holds a Bachelor's degree in Electrical and Electronics Engineering (EEE) from Jawaharlal Nehru Technological University and a Postgraduate degree in Power Electronics from Kakatiya Institute of Technology and Science. During his academic journey, He achieved notable recognition by securing the 3rd position in a State-level Technical fest held at JNTUH. With a diverse background, he brings over 6 years of combined experience, with 3 years spent as a Teaching Faculty and another 3 years in industry as a Project Engineer. His professional interests span across various domains within the realm of power and energy. Specifically, he focuses on advanced technologies in Solar Energy ranging from 1KW to MW scale, keeping abreast of the latest developments in Electric Vehicles, and specializing in Distribution Substation Installation, particularly in the 33KV Substation domain. Currently, He contributes to the academic sphere as a Junior Faculty, where he leverages his expertise to educate and inspire future professionals in the field of Power and Energy at the ESCI.



Dr. Prof. CS Krishna Prasada Rao (Sr. Faculty & Head - Q&P) 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 80+ 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, MCEP, Life member TSI, ASCL.



Mr. M. Raja Sekhar Reddy (Sr. Faculty & Head - WRD) 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) 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. G. Naresh (Faculty & WRD) is a B.Tech in IT & M.Tech in Spatial Information Technology (Remote Sensing and Geographical Information System) from JNTU, Hyd, 15 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).



Prof. A Jagan Mohan Reddy (Principal - SPGS) is a Gold Medallist in Economics with an M.Phil Degree from JNU, New Delhi. Further, he has obtained his PGDIR & PM from Bhavans, MBA & LLB from Osmania. He was a faculty at IMT-Ghaziabad before moving to Hyderabad. Has more than 2 Decades of Industry experience and for the last 20 years he is in the teaching-cum-research line. In addition to Teaching, Research, Publications [more than 200 articles], he has presented several papers at the National and International Seminars, handles Training sessions in the area of HRM, Ethics and Values. Produced 5 Ph.D. and few more are in the pipeline. Presently working as Principal of School of Post Graduate Studies, ESCI, Hyd.



Mr. A Raju (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.



Dr. Sindu Menda (Faculty - SPGS) is a highly accomplished professional, holding a Ph.D. in Commerce and Management Studies from Andhra University, Visakhapatnam. With eight years of dedicated teaching experience in Human Resource Management and Common Management subjects, she has demonstrated expertise in academia. Her academic journey includes roles as an Assistant Professor at various esteemed institutions. Dr. Menda's commitment to education is evident in her organizational skills, as seen in her efforts to enhance student interaction through class activities and extra classes for weaker students. She has a strong research background, evident in her Ph.D. work on “Employees' perception towards E-HRM Practices in the Banking Sector” and numerous published papers in reputable journals. She is not only an accomplished academic but also a lifelong learner, as demonstrated by her completion of various online courses in Business Analytics and Data Analytics. With a diverse skill set, including leadership, research, and teaching, she is a valuable asset for any organization with a global vision.



Mr. B Jagadishwar (Chief Projects Coordinator - Projects) 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.



Er. M B Praveen Kumar (Sr. Consultant - Projects) 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.





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 has M.Tech in Transportation Engineering from JNTU- Hyderabad. He is currently working as Quality Manager in M/S Stredant Techno Pvt. Ltd. Hyderabad (Accredited Laboratory) and He has an experience of more than 10 years. He is an Internal Auditor Certification course program on Laboratory Quality Management and Internal Quality audit as per ISO 17025:2005. He is an Auditor empanelled by Quality Council India (QCI) for auditing Ready Mix Concrete Plants Production. He is qualified in Certification Scheme under Building

Material Technology Promotion Council. Certified by National Council for Cement and Building Materials for Cement Physical testing. He has delivered many lectures to working engineers at National Academy of construction (NAC) and Engineering Staff College of India (ESCI), Uttar Pradesh Rajkiya Nirman Nigam Ltd, (UPRNN) Lucknow, National Building Construction Company, (NBCC India Ltd) Guwahati



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.



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 4days full day course at IEI 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".





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. 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.



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.



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 Engg. (A), OU, 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.



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



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 QCFI. 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. 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).



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. Sridhar Mothe is a construction industry professional with 35years experience (20years in Govt. & 15years in private) and an academican 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.



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. 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".



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.



Mr. Krishna Prasad B S is 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.





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.



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 is presently the National Council Member of Mining Engineer's Association of India (MEAI).



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. 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.



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 Ranganatheswar 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



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).





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).



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. 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.



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. 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 Engg. College, Anna University, TN 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.



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. 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 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. 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.





Mr. Abhimanuyu Gartia Postgraduate in Electrical Power System from IIT, Kharagpur with over 38 years experience in WRDLC 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. 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. 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.



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) 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.



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.



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.



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.





Dr. M.V.S.S. Girdhar is presently Professor and Head Centre for Water Resources, Jawaharlal Nehru Technological University Hyderabad. He is an academician having 25 years of teaching, research and administrative experience. He is well known for his designs on improvised rain water harvesting structures and constructed wetland. He is recipient of 2 National Award and 4 State Awards for best conservation of water resources and he is an expert committee member for

HMSSB regarding the STP designs and for rainwater harvesting systems to the Government of Telangana.



Prof. Srinivasulu Tadisetty, Retired Professor and Dean, FOET from Kakatiya University, Warangal, He has obtained M. Tech from IIT (ISM) Dhanbad, and Ph.D. from Kyushu University, Japan and worked as research scholar for 2 years at IIT Kharagpur before leaving to Japan on International JSPS Fellowship by Govt. of Japan and DST, Govt. of India and also completed proficiency specialized courses and diplomas from IISc Bangalore, CEDTI Gorakhpur, India Japan Patent Association (IPAA),

CDAC Hyderabad, and NRDC New Delhi. He has more than 3 decades of experience in Research, Industry and Teaching, He has worked as a senior Scientist at NIRM KGF and knowledgeable in the area of mine mechanization and automation includes Real Times Systems, Internet of Coal Mining (IOCM), Artificial Intelligence (AI/ML), autonomous electronic drives, smart wireless sensors, Smart systems, and also successfully completed several industry sponsored research projects



Prof. Dr. S. Altaf Hussain, did his B.Tech in Chemical Engineering from National Institute of Technology, Warangal. M.Tech in Environmental Management from JNTU, Hyderabad. Master of Human Resource Management from Annamalai University, Diploma in Industrial Safety from Annamalai University. Ph.D from JNTUA in Chemical Engineering, with a specialization in Civil Engineering presently he is working as Director, Lords Institute of Engineering & Technology, Hyderabad



Mr Mohammed Abdul Khuddus did his BE, from Osmania University (Gold Medalist, 1982). He later pursued his Masters in Electrical Engineering & Computer Science from University of Illinois, Chicago, USA. He worked for AT&T Bell Labs, USA for 15 years, Motorola, Lucent, Copart. Khuddus is currently the head of Lavu India. Mohammed Abdul Khuddus is a 25 years Telecom & IT Professional with considerable experience in SW product development, network operations, sales, and with a variety of international assignments (USA, Gulf, India), in Wireless and Wireline telecom industry, IT & SW Industry.

business development



Mr K N V Subrahmanyam, did his B.Tech in Mechanical Engineer and Executive MBA (Oil & Gas Management) from National Institute of Business Management. Currently working in Vas Tribology Solutions Pvt Ltd-Jamshedpur as Vice President-Operations & Technical, Experience : 23 Years Area of Expertise : Machinery Lubrication & Oil analysis, Lubrication Management, Reliability Management Through Lubrication, Lubrication

Program Development.



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.



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, I L&F. 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 focused in design of IoT systems for various applications, LoRa WAN technology, Machine Learning Applications for data prediction.



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. 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 he did Ph.D. 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 N?du State Centre during IEI 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'





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 DRDO scientists- Award received from Defence Security Advisor to Govt. Of India and DRDO chief - 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. 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.



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).



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, P.D. Ministry Gold Medal for best PhD. Thesis, J.V Satyanarayana Gold Medal Award

for Highest Aggregate in Agronomy and T. Subbiramireddy Gold Medal in SSC.



Mr. M.K. Srinivas graduated in Civil Engineering from OU, 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.



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 AP after 24 Dec 2004. He is currently a BIS panel member of IS 456 & IS 1343, Earthquake Engg. Sectional Committee and also a member of National Building Code of India.



Dr. Umamaheswara Rao. B. Former SCIENTIST –D (RETIRED, CENTRAL GROUND WATER 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 drawls, 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





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 Devpt. (Rfds), 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 M.Tech. 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.



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. Kamalakar 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.



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 (Orman & 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 is Certified as Direct Trainer Skills (DTS) by Thames Valley University (UK) and DoPt, GoI, 2020. Recently he has been awarded as Distinguished Indian contributing to various fields of skill developments by Sardar Vallabhai Patel Foundation.



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.





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. Pendiola 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.



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.



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).



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).



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. 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.



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.





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.



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.



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 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.



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.



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. 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 IEI, 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).



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.





Dr. V Balaram 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.



Prof. D. Venkat Reddy, Ph.D. (Advisor, Civil and Transport Engineering, Center for Climate Change and Environmental Divisions), retired as HOD Civil, Engineering, National Institute of Technology, Karnataka (NITK). He obtained his doctorate and post-graduation from OU, Hyderabad. He has conducted several quality improvement programs in engineering geology and geotechnology sponsored by AICTE and ISTE. He has published more than 150 research papers in national and international journals and six books, and he has been conferred several prestigious awards. He has undertaken several activities related to coordinating research interactions with foreign universities, such as the Department of Civil, Materials, and Environmental Engineering, University of Illinois, Chicago, USA; the Geological Engineering Division, Department of Geology; the Geological Engineering Colorado School of Mines, Golden Colorado, USA; the Dept. of Mining and Metallurgical Engineering, University of Reno, Nevada, USA; and Advanced Study and Technology, Kumamoto University, Japan.



Dr. K. Shashikanth, a Professor in the Department of Civil Engineering at Osmania University since 2007, holds a Ph.D. from IIT Bombay, specializing in the impacts of Climate change on Regional Rainfall projections. His research areas include Statistical downscaling for climate change Impact Assessment, Soft Computing Applications, GIS Applications, Hydrological system Modeling, Water Network Modeling, and Uncertainty Analysis. Dr. Shashikanth has successfully completed

two research projects funded by UGC and TEQIP. Recently, he collaborated on a 30 Lakhs sponsored research project with Dr. Nagaraj S Patil from VTU, Belagavi, focusing on the Impact of Climate change on Krishna River sub-basins. With over 30 publications, including 15 in reputable international journals like Climate Dynamics and Journal of Hydrology, and contributions to edited books and conference proceedings, Dr. Shashikanth significantly contributes to the academic discourse. Actively participating in consultancy projects for Mission Bhagiratha in Telangana, he specializes in vetting Hydraulic Design of Pipe networks, both Primary and Secondary, incorporating surge analysis



Mr Syed Imtiaz Hussain, Dy. Director General (Retired), Directorate General of Mines Safety, A graduate in Mining Engineering from the prestigious College of Engineering, Osmania University, Hyderabad. Holder of First Class Manager's Certificate of Competency (Coal and Metal). He worked in The Singareni Collieries Company Limited for 10 years and was considered an expert in Longwall Coal Mining Technology. He later joined the DGMS as Director and superannuated as Deputy Director General

after having worked in different zones and headquarters in the country, earning good reputation.



Dr. M. Gopal Naik is working as a Senior Professor in the Department of Civil Engineering, University College of Engineering (Autonomous), Osmania University, Hyderabad. He obtained his Doctorate Degree (Ph.D.) in Civil Engineering from the Indian Institute of Technology Bombay (IIT Bombay) in the year 2009. His areas of specialization are Water Resources and Environmental Engineering, Geospatial Techniques such as Remote Sensing, Geographical Information System (GIS) and Global Positioning System (GPS) applications to Civil Engineering fields, Urban Planning and Development, Urban Watershed Modeling, Construction Engineering and Management, Building Information Modeling (BIM) applications to Civil Engineering field. Dr. Naik has completed two prestigious projects such as MHRD-SPARC worth 74.38 lakhs and DST-SERB worth 40.13 lakhs Major Research Projects recently sanctioned by the Government of India. He has also completed two research projects: DST-NRDMS Major Research Project (2012-15) and UGC Minor Research Project Worth sanctioned by UGC for the academic year 2013-15.



Mr P Kumar graduated B.Tech. (Mech) from NIT, Calicut, Kerala, M.Tech (I.C Engines and Gas Turbines) from NIT, Warangal, Telangana, M.B.A (Marketing) from IGNOU, FIE - The Institute of Engineers (India) and SMIIE - Sr. Member in Indian Institute of Industrial Engineering. He has good experience in opencast projects, Implementation of TPM activities, HRD, OTR tyre management. He superannuated as Additional General Manager. Post retirement, he worked as Executive Director in Radials International Mining Services (Michelin).



Mr Bhaskarudu Peddakotla obtained Diploma in Automobile Engineering with 40 Years of industrial experience in product support / aftermarket support, customer engagement, effective implementation of all customer loyalty metrics.



Mr Dinakar Danavada, He graduated in B.Com, Computers. PGDCA, DCHE and is a renowned faculty in Surveying with 17 years of extensive experience and mining software professional, He is skilled in training program development for surveying and mining executives, training project implementation and mining plan preparation. He wrote software training manuals, conducted survey training programs by using Autodesk CIVIL 3D Software.



Dr Kaushik Sarkar, Graduated in Medicine from Ranchi University, in the year 1990, and post-graduated in Industrial Health, from All India Institute of Hygiene and Public Health, Kolkata and obtained his Ph.D in Labour Welfare from Allahabad University. Presently he is a Medical Inspector of Mines cum Certifying Surgeon, Directorate General of Mines Safety, Ministry of Labour and Employment and Director of Mines Safety (OH).he

has undergone training in Occupational Health in IOM Edinburgh and University of Texas, Arlington, US.





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.



Er. Sushil Kumar Soonee, Fellow of IEI & 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.



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.



Dr P Siva Ram, National Water Expert of Jal Jeevan Mission, Ministry of Jal Shakthi, 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.



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 an Executive Committee Member in Telangana Commerce Association, Life member in American Marketing Association, Life member Indian Accounting Association, Indian Science Congress Association, and is associated with The Association of Lady Entrepreneurs of India and Confederation of Women Entrepreneurs , Hyderabad Chapter.



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 Harward 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 S Jayanthu, Professor, Mining Engineering Department of National Institute of Technology, Rourkela, graduated in BE (Mining Engineering) from Kothagudem School of Mines-Osmania University in 1986 and M.Tech (Mine Planning & Design) from Banaras Hindu University in 1990 . He was awarded Master Degree in Counselling & Psychotherapy from Kuvempu University in 2006 He was awarded OU, IDL, MGMI/SCCL Gold Medals He

worked in Singareni Collieries Company Limited for 2 years and later as a scientist in Central Mining Research Institute-Dhanbad and National Institute of Rock mechanics-Kolar Gold Fields. Research areas of interest include Design of support system and methods of mining: longwall/bord & pillar/blasting gallery/wide stall; strata control, caveability, EMP, mine closure management, underground instrumentation and monitoring, numerical modelling, fly ash and bottom ash management, transdisciplinary research applications to mining industries etc.



Mr Gorle Appa Rao, Assistant General Manager, Corporation Bank, Qualification : M.A., C.A.L.L.B Retired as Asst. General Manager from The Corporation Bank, with 39 years of unblemished service. Deliver lectures on Stress Management and Personality Development. He won performance awards, Chairman Club Member and Super Ordinate Goal Achiever for Splendid performance.





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 co-author.



Mr. Sreekanth Vanga has Over 12 years of professional experience in conceptualizing, ideating, designing, and branding web pages and web solutions across Technologies for a varied clientele across industries ranging from finance, software, retail, events, etc Expertise in understanding of UX and UI design with an emphasis on maximizing usability. ü Extensive Front-end skills and some basic understanding of how back-end development works. ü Solid markup skills utilizing HTML5, CSS3, Bootstrap, JavaScript, JQuery, JQuery UI, Ajax & Json M.Tech from St. Marys Engineering College (JNTUH), Currently Working as CEO and Technical Analyst at PDQ Softech Pvt. Ltd since January 2016.



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.



Dr. Anurag B Singh is certified trainer for Govt. e- Marketplace. He has 10 years of training experience in Public Procurement and government Accounting as faculty in National Institute of Financial Management and he trained approx. 10,000 Government officers for GeM in NIFM and various location all over India. He is guest speaker for Govt. Organization i.e. National Police Academy Hyderabad, National academy of Defense production Nagpur, Pandit Deen Dayal Upadhaya National Academy of Social Security Delhi, Steel Authority of India, New Delhi, NACEN FARIDABAD, Mumbai and Indian Institute of Foreign trade New Delhi etc. He acquired D.Phil degree in commerce from MONIRBA, University of Allahabad. He has qualified UGC-NET/JRF in commerce. He had also completed Post Graduate Diploma in Financial Management and MBA (Finance). He is the member of Indian Commerce Association and Indian Society for Management Development and Research. He has published 19 research papers in various National and International Journals. He also presented various papers in National and International conference held nation-wide. His research area is Banking, Finance and Govt. Policy



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.



Er. E. Nanda Kishore is a Post Graduate in M.E Power Plant Engineering from Osmania University and PGDM from Xavier Institute of Management, Bangalore. He retired as General Manager in NTPC. He has 30 years of wide experience in Human Resource Management & Employee Development - Training Need Analysis, Competency Mapping, Assessment, Gap Analysis and interventions, Training Assessment, Manpower Planning, PMS, Employee Development, Employee Welfare, Employee Engagement, Strategic Management, Business Excellence and Managing Process plant Operation and Maintenance.



Mrs. Shyamala Venkataraman, B.Tech (ECE) and MBA is working as General Manager in Corporate R&D Division of BHEL. She is heading Electrical and Power Electronics Lab, Design Analysis and Automation Lab along with Digital Transformation Group, Planning and Mgmt. Systems. Prior to the above, she was heading Transmission Systems Laboratories including Gas Insulated Switchgear Group, High Voltage Engineering, Transmission and Protection Systems, Insulation Chemical Technology and the Centres of Excellence for Advanced Transmission Systems and Ultra High Voltage. She has 36 years of rich experience in designing real time systems for the projects related to the design and development of Numerical Protection Relays and Intelligent Electronic Devices for IEC 61850 compliant Substation Automation System (SAS), Phasor Measurement Unit for Smart Grid etc.



Ms. C B Hema Malini is an Electronics & Communication Engineer worked in Bharat Electronics Limited (BEL), Hyderabad for 35 years. During her tenure she worked in different areas of Testing, Production, Production Control, Inward Goods Inspection, Testing & Measurement Laboratories. Her main focus is in Quality Control in Electronic Warfare system for Indian Defence courses, State Police. She is a life time member of Quality Circle Forum, Hyderabad and faculty.



Mr. A Dhananjaya Rao is M.Sc. in Chemistry. He has rich experience of 2 ½ decades in various chemical laboratories in Hyderabad & Chennai. At present he is chief executive officer, Spark Analytics at Hyderabad. His main focus is on laboratory testing operation, Quality Management Systems, QA, QC, Process validation, Accreditations and approvals of laboratory testing and he is a NABL

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Name of Department	Phone Number	Email Id
Administration	040-66304144	capadm@escihyd.org
Hostel In-charge	040-66304149	hostel@escihyd.org
Enrolments in Training Programme	040-66304128	mis@escihyd.org
ESCI - Business School (SPGS)	040-66304178	spgs@escihyd.org
ES to Director	040-66304102	es_dir@escihyd.org
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Engineering Staff College of India

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ESCI Road, Gachibowli, Hyderabad - 500 032, Telangana State, India

Tel : 040-66304100 | Fax : 040-66304163 | E-mail : info@escihyd.org

