

चोदेपुव चोलेपुकेतवुडे  
*Knowledge is for liberation*



# Engineering Staff College of India

**Autonomous Organ of The Institution of Engineers (India)**

IMS ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 & ISO 50001:2018

ISO/IEC 17025:2017 Certified, AICTE & CEA Recognized Institution

**SCHEDULE OF TRAINING PROGRAMMES**  
**2025-26**







सरस्वति महाभागे विद्ये कमललोचने ।

विद्यारूपे विशालाक्षि विद्यां देहि नमोऽस्तु ते ॥



	page #
<b>Vision &amp; Mission</b>	04
<b>Message from President</b>	05
<b>Foreword</b>	06
<b>ESCI - Organizational Structure</b>	08
<b>Awards &amp; Recognitions</b>	09
<b>Continuing Professional Development Programmes</b>	10
1 Centre for Climate Change	11
2 Civil & Transportation Engineering	13
3 Design Prototyping Centre & Mechanical	15
4 Environment Management	17
5 Faculty Development Programme Cell	19
6 Information Technology	21
7 Management & Technology	24
8 Mining Engineering	27
9 Power & Energy	30
10 Quality & Productivity	31
11 Water Resources Development	36
12 Project Consultancy	39
<b>School of Post Graduate Studies (SPGS)</b>	41
<b>Laboratories</b>	43
• Mechanical Engineering	43
• Electrical Engineering	44
• NABL Accredited: Civil Engineering Testing	44
• Electronics and Communication Engineering	45
• Computer Science & Engineering	45
<b>Infrastructure</b>	46
<b>Sponsoring Organizations</b>	48
<b>Profile of Director</b>	50
<b>Profiles of External Faculty</b>	51
<b>Glipsmses of Recent Activities / Visits</b>	58

# OUR 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



# OUR 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.



# OBJECTIVES

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.

# PHILOSOPHY

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.



## FROM THE PRESIDENT

**Er. V B Singh, FIE**

Chairman BOM-ESCI  
President - IEI

**I**t is heartening to note that the Engineering Staff College of India (ESCI), an esteemed organ of The Institution of Engineers (India), continues to play a pivotal role in shaping the engineering and techno-management landscape of our nation. As a premier National Training Institute, ESCI has been at the forefront of imparting high-quality education, skill development, and research-driven training, ensuring that professionals across diverse engineering and management domains remain equipped with the latest advancements and best practices.

Over the years, ESCI has emerged as a trusted knowledge partner, bridging the gap between academia and industry by offering cutting-edge training programmes in emerging technologies, infrastructure development, sustainability, and digital transformation. The institution's unwavering commitment to innovation and excellence is evident through its initiatives in areas such as renewable energy, smart grids, artificial intelligence, blockchain, additive manufacturing, and climate change mitigation.

The Training Calendar for 2025-26 is a testament to ESCI's dynamic approach in curating programs that cater to the evolving demands of industry and governance. With a strong focus on capacity building, skill enhancement, and global best practices, ESCI continues to empower engineers, technologists, and managers, thereby contributing significantly to national progress and sustainable development.

I extend my sincere appreciation to ESCI for its relentless efforts in advancing engineering education and professional development. I am confident that the Annual Training Calendar for FY 2025-26 will serve as a valuable resource, equipping professionals with advanced knowledge and skills to drive innovation and excellence in the engineering sector.

My best wishes to ESCI, its faculty, and all the participants for a successful and impactful training year ahead.

**Er. V B Singh, FIE**



## DIRECTOR'S FOREWORD

**T**he Engineering Staff College of India (ESCI) is an autonomous organ of India's largest professional engineering body, The Institution of Engineers (India). Established in 1981, ESCI is committed to providing high-quality training and education in engineering, technology, and techno-management.

### **Shaping Future-Ready Engineers**

With the rapid digitization of engineering, professionals must continuously learn new skills to remain relevant. Engineers today require not only technical expertise but also emotional intelligence, strategic planning, risk management, and leadership capabilities. ESCI equips engineers with these essential competencies, preparing them to adapt to evolving technologies and collaborate effectively with diverse stakeholders.

### **Prestigious Associations & Global Impact**

ESCI has successfully executed World Bank assignments and international programs for organizations such as UNESCO, UNICEF, and FANSA. It serves as a *Key Resource Centre (KRC)* for various Government of India initiatives, including:

- Central Electricity Authority
- Ministry of Road Transport & Highways
- Ministry of Rural Water Supply
- Department of Science & Technology
- Jal Jeevan Mission, Ministry of Jal Shakti

Each year, ESCI conducts 400-500 open and in-house training programs, training approximately 8,000 Professionals from Govt. Research & Development, Public and Private Sectors and Academia.

### **Contributing to National Missions**

ESCI actively supports key national initiatives, including:

- Swachh Bharat (AMRUT)
- Rural Water Supply & Renewable Energy (Solar PV)
- Skill Development Programs



The institute is also pioneering training in emerging fields such as Additive Manufacturing, Climate Change, Smart Grid, Blockchain, IoT, AI, Unmanned Vehicles, and Green Energy.

### **Comprehensive Training & Development**

ESCI's **Annual Training Schedule for 2025-26** focuses on **Continuing Professional Development Programs (CPDPs)**, integrating multiple learning methodologies, including:

- Training workshops & conferences
- E-learning programs & best practice sharing
- Industry visits & outbound training
- Educational tours & hands-on learning

As the only institute in Asia offering multi-disciplinary training under one roof, ESCI bridges the gap between academia and industry. It conducts **AICTE-approved PGDM courses**, empowering students with essential skills for structured career growth.

### **Commitment to National Development**

ESCI aligns with key government initiatives such as *Atmanirbhar Bharat* and *Vocal for Local*, encouraging trainees to think innovatively and apply their skills for National and Professional growth.

### **Consultancy Services**

Beyond training, ESCI provides specialized consultancy services across engineering and management disciplines. With a team of expert consultants, ESCI offers customized solutions to meet client requirements.

### **Partner with ESCI**

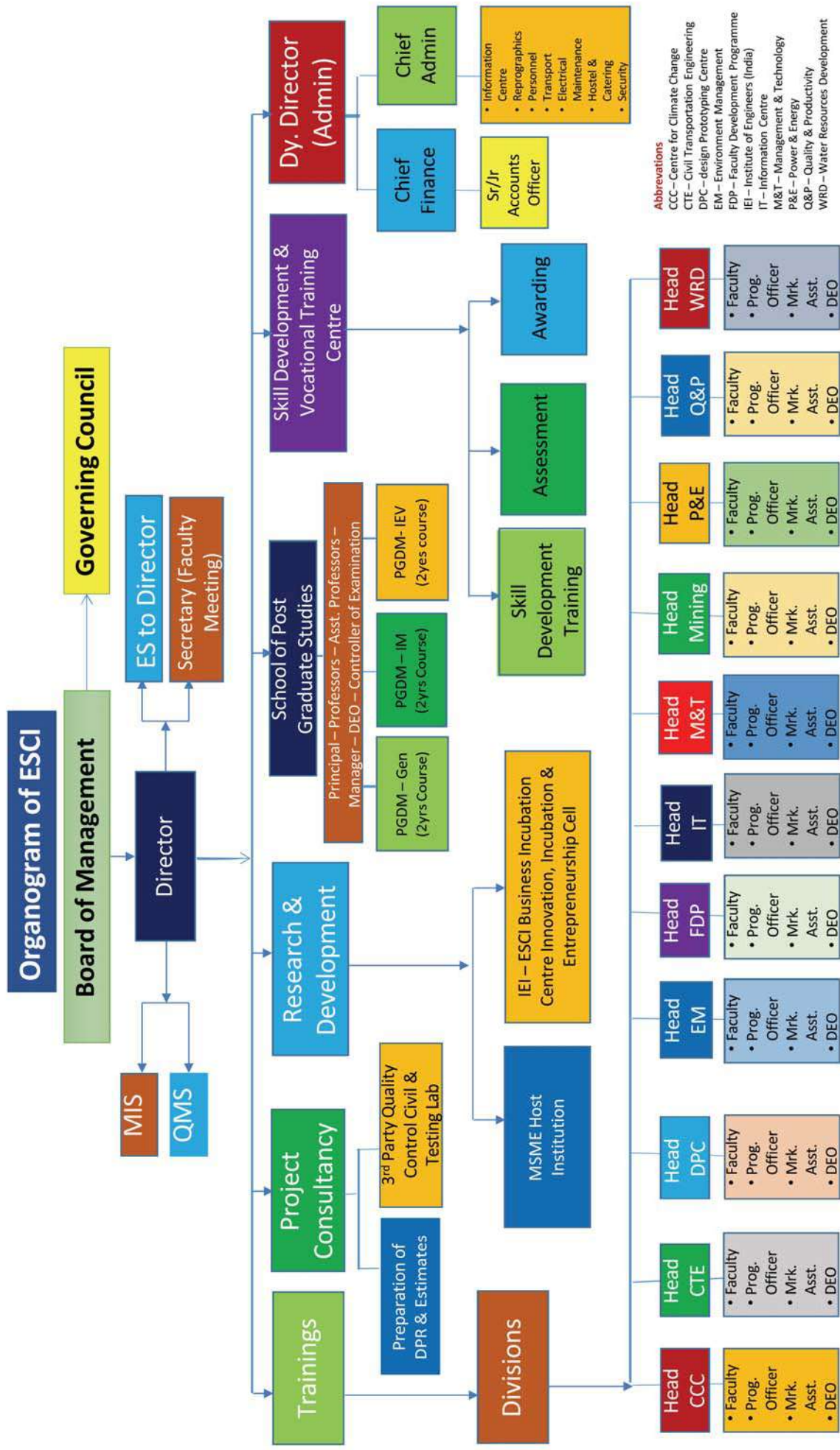
We invite organizations to leverage our **2025-26 Training Schedule** as a reference for sponsoring employees in relevant programs. By investing in continuous learning, organizations can enhance workforce efficiency and drive innovation.

We look forward to collaborating with all Stakeholders in building a skilled and future-ready workforce.

**Dr. G. Rameshwar Rao, FIE**

Director ESCI







# Awards & Recognitions

9 Times Golden Peacock Award  
2006, 2007, 2008,  
2010, 2012, 2021,  
2022, 2023 & 2024.



Green & Environment  
Award from  
"HYM International  
Certifications Private  
Limited"



Golden Peacock Award

## Recognition / Empanelment

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• ISO 9001:2015, ISO 14001:2015, ISO 50001:2018, ISO 45001:2018, ISO/IEC 17025:2017 Certified, AICTE &amp; CEA Recognized Institution</li> <li>• Received best Innovative Training provider in the year 2019 by Integrated Chambers of Commerce and Industry (ICCI).</li> <li>• Host Centre for MSME</li> <li>• Empaneled by Ministry of Road Transport and Highways.</li> <li>• Jal Jeevan Mission under Ministry of Jal Shakti.</li> <li>• Ministry of Housing &amp; Urban Affairs.</li> <li>• Ministry of Environment, Forest &amp; Climate Change.</li> </ul> | <ul style="list-style-type: none"> <li>• Central Pollution Control Board &amp; State Pollution Control Board.</li> <li>• Urban Local Bodies of various States.</li> <li>• Scientific and Industrial Research Organization (SIRO) by Ministry of Science and Technology Govt. of India.</li> <li>• Empaneled with Bureau of Energy Efficiency, Ministry of Power, Govt of India.</li> <li>• 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.</li> </ul> |
|--|---|

# Continuing Professional Development Programmes

01

Centre for Climate Change

02

Civil & Transportation Engineering

03

Design Prototyping Centre

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



### Functionalities of CCC Division

The primary objective of the Climate Change Centre (CCC) Division is to promote awareness of climate change perspectives across environmental, social, and developmental sectors. The division aims to build capacities through consultative workshops, roundtable discussions, symposiums, conferences, and action research studies. It further fosters innovation through incubation facilities and promotes synergy via institutional collaboration and partnerships.

### Key Focus Areas

CCC focuses on mainstreaming principles and practices of climate adaptation and mitigation through multi-disciplinary approaches. It encourages participants to develop an "Implementation Manual" as part of training courses and emphasizes the integration of disaster risk reduction in planning and development.

Additionally, the division is committed to establishing sustainable indicators and measurable goals to advance climate adaptation and mitigation. CCC also extends advisory consultation services and conducts specialized studies in the field.

### Areas of Intervention

1. Mainstreaming Disaster Risk Reduction - Integrating risk reduction strategies into planning and policy frameworks.
2. Climate-Resilient Cities - Developing strategies to enhance the resilience of urban infrastructure.
3. Climate Change and Urban Lakes - Restoration and management of urban water bodies.
4. Urban Flash Floods and Forecasting - Implementing climate change-based forecasting techniques.
5. Climate-Resilient Industrial Estates/Parks - Encouraging sustainable industrial development.
6. Water-Energy Nexus and Climate Change - Understanding interdependencies between water, energy, and climate.
7. Urban Open Green Spaces - Enhancing climate adaptation through sustainable urban landscaping.
8. Impact of Climate Change on Human Health - Addressing health vulnerabilities arising from climate change.
9. Establishment of Sustainable Indicators - Developing measurable indicators to track climate adaptation and mitigation efforts.
10. Waste Management and Climate Change - Exploring sustainable waste management practices and their relevance to climate change.

### In-House / Specific Training Programs Offered

The CCC Division offers specialized in-house and sector-specific training programs, including:

- 1. Water Resources and Climate Resilience**
  - Climate-Resilient Urban Water Management
  - Urban Flood Management and Evacuation Models
  - Hydrologic Extremes: Risk Assessment and Mitigation
  - Integrated Water Resource Planning for Sustainable Irrigation
  - River Morphological and Hydrodynamic Modelling
- 2. Climate-Smart Agriculture and Irrigation**
  - Climate-Resilient Irrigation Strategies
  - AI & Machine Learning for Biomass Estimation
- 3. Climate Change Mitigation and Adaptation**
  - GHG Emission Reduction and Carbon Management
  - Urban Forestry and Green Infrastructure
  - Heat Island Mitigation Strategies
  - Climate-Resilient Industrial Planning
- 4. Disaster Risk Management & Preparedness**
  - Climate-Induced Disaster Mitigation Strategies
  - Early Warning Systems and Emergency Response
- 5. Economics of Climate Change Adaptation**
  - Environment & Sustainable Development
- 6. Technology and Innovation Applications**
  - GIS, Remote Sensing, and AI for Environmental Monitoring
  - Smart Resource Planning and Risk Management
- 7. Renewable Energy and Sustainability**
  - Green Energy Solutions and Net-Zero Transitions
- 8. Urban Development and Biodiversity Conservation**
  - Sustainable Urban Planning and Infrastructure
  - Green Buildings and Energy Efficiency
  - Enhancing Urban Biodiversity

The CCC Division plays a pivotal role in integrating climate adaptation and mitigation strategies into various sectors. Through research, training, and collaborations, CCC seeks to drive sustainable and resilient solutions for climate change challenges.

# CCC : Schedule of Training Programmes

S. No.	Programme Title	Days	Dates
1	Sustainable Solutions for Long-Term Lake Restoration	3	23 - 25 Apr 2025
2	Geospatial Solutions: Addressing Societal Challenges	3	21 - 23 May 2025
3	Climate Change and Its Impacts on the Energy Sector	3	4 - 6 Jun 2025
4	Governance for Climate Resilience: Embedding ESG Principles in Organizations	3	25 - 27 Jun 2025
5	Green Buildings in Smart Cities: Functions, Potentials, Benefits, and Challenges	3	23 - 25 Jul 2025
6	Climate Change, Public Policy, and Governance: Strategies for Mitigation & Adaptation	3	5 - 7 Aug 2025
7	Future-Ready Alternatives to Single-Use Plastics	3	10 - 12 Sep 2025
8	Environmental Auditing: Accountability for Sustainability	3	17 - 19 Oct 2025
9	Urban Flood Management: Adaptive Strategies for Climate Resilience	3	29 - 31 Oct 2025
10	Evaluating Sustainability in Renewable Energy Systems	3	19 - 21 Nov 2025
11	Coastal Zone Climate Change Management with Remote Sensing Applications	3	17 - 19 Dec 2025
12	Building Resilient Towns through Effective Solid Waste Management	3	21 - 23 Jan 2026
13	Government Policies and Incentives for Plastic-Free Practices	3	18 - 20 Feb 2026
14	Achieving a Net Zero Campus Through Sustainable Solutions	3	11 - 13 Mar 2026

## Profile of Internal Faculty



**Dr. K. Chandrakala** (Faculty - CCC)

She is a Chemical Engineer with a B.Tech from S.V. University, Tirupati, and an M.Tech from VTU, Belgaum. She earned her Ph.D. in Chemical Engineering from BITS Pilani, Hyderabad. With 16 years of experience in Research & Development at the National Aerospace Laboratories (NAL), a CSIR lab in Bangalore, she has specialized in polymer composites. Her expertise extends across research, teaching, capacity building in climate change, and the startup ecosystem. She has also contributed significantly to academia, publishing seven research papers in international journals."

**Ph: 040-66304121 | Mob: 8019438539**



**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 IIT-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.

**Ph: 040-66304121 | Mob: 9494872533**

**Email: [ccc@escihyd.org](mailto:ccc@escihyd.org)**





**Functionalities of CTE Division:**

The Civil & Transportation Engineering (CTE) Division provides professional training in the areas, including:

- Construction Management
- Pavement Technologies (Urban & Rural Road Technologies for PMGSY Projects)
- Transportation Management
- Road Safety Management & Audits
- Traffic Management
- Project Management in Construction Projects
- Contract Management, Arbitration, and Dispute Resolution

**CTE specializes in multiple infrastructure domains, such as:**

- Pavements & Highways
- Seaports & Bridges
- Airports & Public Transit Systems
- Roads & Railroads

**Government Sector Collaborations:**

- Ministry of Road Transport & Highways (MoRTH)
- National Rural Infrastructure Development Agency (NRIDA)
- Roads & Buildings, Public Works Departments (PWDs), Municipal Corporations, Panchayat Raj and Rural Development Authorities, Ports, RITES, Military Engineering Services (MES), Border Roads Organization (BRO), and Defense.

**International Exposure:**

As a part of its global outreach, CTE conducts training for member countries of the International Network for Professional Engineers Development Institutes (INPEDI). The division regularly organizes "Maintenance of Infrastructure" programs in India and abroad under UNESCO contributions.

**In-house/Specific Training Programmes Offered:**

- CTE 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 & Dispute Resolutions.
- Induction Training for Newly Recruited Officers of Military Engineering Services (MES) in Civil, Electrical & Mechanical Engineering disciplines.
- Capacity Building Programs for Motor Transport, Police, and Municipal Engineers on Road Safety Management, Road Safety Audits, and Motor Vehicle Act Enforcement Rules & Regulations, Role of ITS in Road Safety Management in collaboration with MoRTH, Government of India.
- Design, Construction & Maintenance Training for minor bridges, culverts, and long-span bridges, specifically tailored for designers, construction engineers, and project managers in government sectors through NRIDA, Government of India.

The CTE Division remains committed to enhancing the knowledge and skills of professionals in civil and transportation engineering, ensuring sustainable and efficient infrastructure development.



# C&TE : Schedule of Training Programmes

S. No.	Programme Title	Days	Dates
1	Cyclone Resistant Building Construction	5	21 – 25 Apr 2025
2	Testing of Civil Engineering Materials	5	26 – 30 May 2025
3	E-Tendering and Condition of Contract for EPC /Turnkey projects	3	16 – 18 Jun 2025
4	Safety & Risk Management in Construction and Civil Structures	5	21 – 25 Jul 2025
5	Condition Assessment of Railway Bridges	5	18 – 22 Aug 2025
6	Impact of digging on Urban Roads and its Management	5	22 – 26 Sep 2025
7	Advanced Waterproofing Technologies	5	13 – 17 Oct 2025
8	E-Tendering and Condition of Contract for EPC /Turnkey projects	3	17 – 19 Nov 2025
9	Rehabilitation of Buildings using latest Techniques	5	08 – 12 Dec 2025
10	Contract Management & Dispute Resolution in Engineering Projects	5	19 – 23 Jan 2026
11	Construction of Bridge in Hill Area and Challenges	5	16 – 20 Feb 2026
12	Advanced Concrete and Construction Materials for Sustainable Structures	3	02 – 04 Mar 2026
13	Digital Transformation in Construction	5	09 – 13 Mar 2026
14	Design & Analysis of Flexible pavements by using IIT pave Software	5	23 – 27 Mar 2026

## Note:

1. All the Programs designed as residential programs, if anyone is interested, we will conduct online also
  2. 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. Certificate programme can be done on the request from the participants/ Organizations.

## Profile of Internal Faculty



**Dr. R. Venkat Reddy** (Head - 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 26 years of experience in teaching at various levels from Asst. Professor, Asso. Professor, Professor and HOD including 15 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, 8 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. 4 Ph.D's Guided at NIT, AP.

**Ph: 040-66304114 | Mob : 9490011311, 9492011311**



**Mr. Ch. Tilak** (Faculty - CTE)

He is B Tech Civil Engineering and M Tech in Transportation Engineering. He has total 8 Years of Experience in Teaching. Worked as Head of the Department & Assistant Professor in Annamacharya Institute of Technology & Sciences (Autonomous), Engineering College in Hyderabad for 5 years. Published 3 Papers in National Journals. His areas of interest in Traffic Engineering, Transportation Engineering, Urban Transport Management. Presently working as Faculty in Civil / Transportation Engineering Division- ESCI Hyd.

**Ph: 040-66304115 | Mob : 9052313252**



**Ms. L. Swetha** (Jr. Faculty - CTE)

She 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.

**Ph: 040-66304107 | Mob : 7093155365**

**Ms. M. Suneetha**, Assistant Programme Officer - **Ph: 040-66304134 Mob: 9666885418.**

**Email: [cte@escihyd.org](mailto:cte@escihyd.org)**



### Functionalities of DPC

The DPC at ESCI is an initiative to foster design and development skills among young engineers and technologists. In collaboration with **EOS e-Manufacturing Solutions**, ESCI established the **Design & Prototyping Cell - Technology Demonstration Centre (DPC-TDC)** on April 9, 2015.

### Core Areas of Expertise:

DPC is steadily progressing as a **Technology Demonstration Centre (TDC)**, promoting emerging technologies such as:

- Additive Manufacturing & Reverse Engineering
- Unmanned Aerial vehicles/Drones
- Renewable Energy & Allied Technologies,
- Sensors, Robotics & Automation,
- Design, Modelling, Analysis, Optimization and Prototyping
- Prototyping and Production volume Manufacturing services.
- Manufacturing
- Engineering Simulations using CAD/CAM software's
- Coating & Paint Technology
- Geometric dimensioning and tolerancing

### MSME Business Incubation & Idea Hackathons:

- DPC functions as a **MSME Business Incubation Centre** and has conducted three **Idea Hackathons**, including one dedicated to women entrepreneurs.
- Seven innovative ideas from these hackathons have been awarded **MSME grants**.
- Plans are underway to transform this incubation activity into a full-fledged **Technology Hub** under IE(I)-ESCI.

### Emerging Thrust Areas:

- Additive Manufacturing & Reverse Engineering

- Renewable Energy & Allied Technologies
- Sensors, Robotics & Automation
- Low Code Development
- Fast Moving Consumer Goods (FMCG) & Financial Management
- Gaming & Digital Twins
- Precision Engineering for Agroecology & Growth Technology
- Cognitive Architectures & Artificial Intelligence
- IoT & ICT for Educational Technologies & Skill Development
- Minerals, Materials & Nanotechnology

### MSME Host Institution:

- ESCI is an approved **Host Institution (HI)** under the **Ministry of Micro, Small & Medium Enterprises (MSME)** with **Registration No.: HIBITS001140**.
- This allows ESCI to explore and support new innovative ideas from existing and prospective entrepreneurs.

### Consultancy Services:

DPC offers a range of consultancy services, including:

- 3D Printing & Reverse Engineering (3D Scanning)
- Additive Design & Engineering
- Unmanned Aerial Vehicles
- Prototyping & Production Volume Manufacturing
- CNC Machining
- Engineering Simulations (Structural & CFD Analysis)
- Skill Development & Training Programs
- General Induction & Specific Orientation Programs

The **DPC Division** remains committed to advancing cutting-edge technologies, promoting skill development, and supporting innovative solutions in engineering and manufacturing.



## DPC : Schedule of Training Programmes

S. No.	Programme Title	Days	Dates
1	Advances in Foundry Processes, Technology, Casting and Inspection.	5	07 – 11 Apr 2025
2	Heat Treatment – Furnaces, Processes and Innovations	4	14 – 17 Apr 2025
3	3D Printing in Manufacturing	4	21 – 24 Apr 2025
4	Advances in Design & Optimization of UAV's for Industrial Applications (Defense, Mining & Construction)	5	28 Apr – 02 May 2025
5	Techno–Managerial Excellence for Engineering Managers	3	07 – 09 May 2025
6	Ferrous and nonferrous castings: Technology, Production, Defects & Rectifications	4	12 – 15 May 2025
7	CNC Milling, Turning, Drilling and Machine Tools – Programming, Selection of Cutting tools & Lubricants	4	19 – 22 May 2025
8	Aerospace materials – Selection, Processing, Testing & Applications, Qualification and Certification process	5	02 – 06 Jun 2025
9	Coating & Paint Technology	4	09 – 12 Jun 2025
10	Condition Based Maintenance – Oil and Wear Debris Analysis (including AI based)	4	16 – 19 Jun 2025
11	Non destructive Testing of materials.–Principles, Equipment, Calibration & Data Interpretation	4	23 – 26 Jun 2025
12	Engineering Design using AutoCAD (Mechanical) – With Hands–on Approach	4	07 – 10 Jul 2025
13	Engineering Simulation using ANSYS & CFD – With Hands–on Approach	5	14 – 18 Jul 2025
14	Mechanical, Chemical Testing and Metallurgical Characterization of Metallic materials–Concepts, Equipment, Calibration, Data Analysis	5	04 – 08 Aug 2025
15	Engineering Simulation using LS–DYNA– With Hands–on Approach	5	04 – 08 Aug 2025
16	Engineering Simulation using Solid Works– With Hands–on Approach	5	18 – 22 Aug 2025
17	Geometric dimensioning and tolerancing	5	08 – 12 Sep 2025
18	Special Heat Treatment techniques & Latest Developments in Furnaces	4	15 – 18 Sep 2025
19	High Speed Machines – Operational problems and Remedial Measures	3	07 – 09 Oct 2025
20	Maintenance and Lubrication of Rotating Equipment	3	28 – 30 Oct 2025
21	Metallurgy for QC and Design Engineers	3	18 – 20 Nov 2025
22	Surface Engineering – Concepts, Applications and Emerging Technologies	4	01 – 04 Dec 2025
23	Reciprocating compressors, screw compressors, pumps – Operational problems and remedial methods	5	19 – 23 Jan 2026
24	Advances in Plasma welding and cutting	4	02 – 05 Feb 2026
25	Advances in Design & Optimization of UAV's for Industrial Applications (Defense, Mining & Construction)	5	16 – 20 Feb 2026
26	Engineering Simulation using ANSYS & CFD – With Hands–on Approach	5	09 – 13 Mar 2026
27	Geometric dimensioning and tolerancing	4	16 – 19 Mar 2026

### 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.



**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.

**Ph : 040 - 66304184, Mob : 8374632121**

**Ms. Sameera Bondu**, Program Assistant

**Ph: 040 - 66304184, Mob: 7416409119**

**Email: [dpc@escihyd.org](mailto:dpc@escihyd.org) / [mechanical-dpc@escihyd.org](mailto:mechanical-dpc@escihyd.org)**



### Functionalities of Environment Management (EM) Division

The **EM Division** provides both theoretical and practical training programs with real-time case studies in key areas such as Water Supply & Sanitation, Septage Management, Environment Monitoring, Waste Management, and Environment Management.

#### Key Initiatives:

- **Continuing Professional Development Programs (CPDPs)** for officials from Ministries, Regulatory Boards, Government Departments, Public Sectors, Industries, and Academia.
- **Need-based Training Programs** for organizations like CPCB, ONGC, MES, MoHUA, MoEFCC, Urban Local Bodies (ULBs), and other Government & Public Sector undertaking organizations.

#### Areas of Expertise:

- Environment Monitoring:** Air & Water Pollution Monitoring & Modelling, GIS, GPS & RS Applications, Environmental Data Management, and Sustainability.
- Waste Management:** Solid & Liquid Waste, Bio-Medical Waste, Plastic Waste, e-Waste, Construction & Demolition Waste, and Hazardous Waste.
- Water Supply & Sanitation:** Systems for Water Supply, Leakage Control, SCADA, RS & GIS Applications, Underground Sewerage Network of System and STPs, Stormwater Drainage, Wastewater Treatment, Fecal Sludge Management, and Service Level Benchmarks.
- Environmental & Social Issues:** Impact Assessment (EIA), Management Plans, Environmental Legislation, Social Impact Assessment, Rehabilitation & Resettlement, and Environmental Social Management Framework.
- Government Missions:** Participation in AMRUT, Smart Cities, Swachh Bharat, HRIDAY, PMAY-HFA, NULM, and other national programs.

#### Government Collaboration & Capacity Building:

The **Ministry of Housing and Urban Affairs (MoHUA), Government of India**, has empanelled EMD of ESCI

as a **Training Entity** to enhance the capacity of Urban Local Bodies (ULBs), State Governments, and other stakeholders. The EM Division has signed **MoUs** with the state governments of Telangana, Tamil Nadu, Andhra Pradesh, Chhattisgarh, Chandigarh, Jharkhand, Uttar Pradesh, Puducherry, Haryana, Mizoram, Madhya Pradesh, and Meghalaya.

Capacity Building Programs are conducted under **Capsule-1, Capsule-2 & Capsule-3**, training over **2500 participants** across multiple states. The division also undertakes **consultancy assignments** in Energy Auditing, City Sanitation Planning, EIA, Urban Water Supply & Sanitation, and DPR preparation for STPs.

#### In-House / Specific Training Programs Offered:

- Environmental Impact Assessment & Management Plans
- Air & Water Pollution Monitoring and Continuous Emission Monitoring Systems
- GIS Applications in Environmental Data Management
- Water & Wastewater Supply Systems and Septage Management
- E-Governance, E-Tendering, DPR Preparation & Contract Management
- Urban Flagship Missions like AMRUT – 2.0, PMAY-HFA, SBM, etc.,
- Waste Management (Biomedical, Solid, Hazardous, Plastic, E-Waste, Construction & Demolition)
- Social Impact Assessment, Rehabilitation & Resettlement, and Forest Clearance
- Green Building & Public-Private Partnerships
- Water & Wastewater Auditing
- Industrial Wastewater Treatment Technologies

The **EM Division** remains committed to building technical and managerial capabilities for sustainable environmental practices, ensuring effective governance and project implementation in urban and industrial sectors.

# EM : Schedule of Training Programmes

S. No.	Programme Title	Days	Dates
1	Bio Medical Waste Management – Handling & Safe Disposal Options with New Rules 2016	3	07-09 Apr 2025
2	Advanced Wastewater Treatment and Reuse Technologies	4	22-25 Apr 2025
3	Conducting EIA Study & Preparation of EIA reports - Case study & Group Discussion	3	07-09 May 2025
4	Storm and Flood Risk Management	4	20-23 May 2025
5	Air Pollution Monitoring & Modeling using Software Applications – Theory & Practical's.	3	09-11 Jun 2025
6	Application of GIS, GPS & RS in Environmental Data Management.	3	25-27 Jun 2025
7	O&M of Water Supply & Sewerage network System and treatment plants	5	07-11 Jul 2025
8	Faecal Sludge and Septage Management	3	23-25 Jul 2025
9	E-Waste Management-Issues, Collection and Disposal Mechanism	2	04-05 Aug 2025
10	Water Pollution Monitoring & Modelling using Software Applications – Theory & Practical's.	3	20-22 Aug 2025
11	Integrated Solid Waste Management System	3	08-10 Sep 2025
12	Integrating Urban Development and Wetland Conservation	4	23-26 Sep 2025
13	Integrated Urban Planning using GIS tools-Hands on Training	4	07-10 Oct 2025
14	Water Audit and Software-Tools and Techniques	3	12-14 Nov 2025
15	Pollution Prevention and Environmental Management Strategy	3	25-27 Nov 2025
16	Hazardous Waste Management & Prevention	2	02-03 Dec 2025
17	Plastic waste management	2	10-11 Dec 2025
18	Online Monitoring Industrial Emission Effluent (Technical Guidelines & Demonstration)	3	22-24 Dec 2025
19	Preparation of DPR and Tender Documents for Sewerage Treatment Plant.	3	05-07 Jan 2026
20	Current Environment legislation and Regulations	3	22-24 Jan 2026
21	Circular Economy: A Focus on Waste and Waste Water	3	02-04 Feb 2026
22	ArcGIS desktop Hands-on GIS training with live project	3	11-13 Feb 2026
23	Urban Planning: Family & Friendly Communities	3	03-05 Mar 2026
24	Latest Survey Technologies Using Total Station, GPS, DGPD and DRONE-Hands-On Training Program	5	16-20 Mar 2026

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

- Geographic Information Systems-Six Weeks certification course
- Environmental Compliance Monitoring
- Sustainable and Environment Friendly Industries
- IT Enabled Governance
- Fifteen Days Certificate Course for Wastewater Treatment Plant Technicians
- Ten Days Certificate Course for Water Treatment Operators
- Two weeks Certificate course on Design of Onsite and Offsite Sanitation
- Water resource analysis and water audit
- Exposure visit on best water managing city
- On demand software courses in domain area of Water Supply, Sewerage Network and Storm Water Drainage Systems



**Ms. Anita Aggarwal** (Faculty & Head I/C - EM)

She 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.

**Ph : 040 - 66304120, Mob: 8374362306**

**E-mail: em@escihyd.org**

**Mr. GNM Rao, Manager (Prog.) - Ph: 040-66304120, Mob: 9866431555**  
**Mr. MSVS Prakash, Asst. Manager - Ph: 040-66304139, Mob: 9908471356**





### Functionalities of FDP Cell

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.

### FDPC : Schedule of Training Programmes

S. No.	Programme Title	Days	Dates
1	Management of Training for Training & HR Managers	3	28-30 Apr 2025
2	Sponsored Research Programs-Opportunities, Procedures and Best Practices	3	21-23 May 2025
3	Personality Development (An Ordinary to Extraordinary Personality Empowerment)	3	28-30 May 2025
4	Training on Pedagogy, Accreditation, Research and Entrepreneurship	3	11-13 Jun 2025
5	Leadership Styles and Teambuilding Skills for Organisational Development	3	25-27 Jun 2025
6	Preparation of Research Proposals to Funding Agencies	3	16-18 Jul 2025
7	FDP on Artificial Intelligence & New Digital Technologies	3	29-31 Jul 2025
8	Workshop on NBA and NAAC Accreditation	3	04-06 Aug 2025
9	Faculty Development Workshop on Advanced Pedagogy, Accreditation, Research and Entrepreneurship	3	19-21 Aug 2025
10	Workshop on "SAR Filling" through Active Instructional Methods	3	10-12 Sep 2025
11	FDP on Achieving Excellence in Technical Education	2	24-25 Sep 2025
12	Communication and Presentation Skills	3	14-16 Oct 2025
13	Implementation of National Education Policy 2020 in Higher Educational Institutions	3	29-31 Oct 2025
14	FDP on Intellectual Property Rights (IPR) and Patenting	3	12-14 Nov 2025
15	FDP on ICT Tools & E-Content Development	3	26-28 Nov 2025
16	Management of Training for Training & HR Managers.	3	17-19 Dec 2025
17	Personality Development (An Ordinary to Extraordinary Personality Empowerment)	3	29-31 Dec 2025
18	Leadership Styles and Teambuilding Skills for Organisational Excellence	3	07-09 Jan 2026
19	Training on Artificial Intelligence (AI) and Machine Learning	3	21-23 Jan 2026
20	Training on Business Communication & Presentation Skills	3	04-06 Feb 2026
21	Technical manuscript writing & Publishing in Reputed Journals	3	11-13 Feb 2026
22	Workshop on NAAC Accreditation	3	25-27 Feb 2026
23	Faculty Development Workshop on Design Thinking	3	04-06 Mar 2026
24	Hands on Training on Advanced & Basic Excel (major focus towards Data Visualization)	3	10-12 Mar 2026
25	Residential training on Emotional Intelligence and interpersonal relations at work place	3	16-18 Mar 2026

**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

## Profile of Internal Faculty



**Mr. Sai Kishore** (Faculty & Head I/C - FDP)

He is 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.

**Ph: 040-66304113, Mob : 9912523285, 9493056708**



**Mr. B. Mohan** (Jr. Faculty - FDP)

He holds a Master's degree in Power Engineering & Energy Systems and a Bachelor's degree in Electrical & Electronics Engineering from JNTU Hyderabad. With a strong foundation in electrical engineering, he brings practical expertise from his work in the industry. He has accumulated 1 year of experience as a Quality Control Engineer for solar inverters and 3 years in Quality Control for Indian Railway projects, specifically focusing on electric locomotives. His areas of interest lie in testing and quality control of electronic systems, and he has developed specialized skills in e-tendering. Currently, he is imparting his knowledge to students as a Junior Faculty member at the Engineering Staff College of India.

**Ph: 040-66304116, Mob : 7858873963**

**Mr. Punjala Sunvesh Kumar**, Asst. Program Officer – **Ph: 040-66304116 Mob: 9989709169.**

**E-mail: [fdp@escihyd.org](mailto:fdp@escihyd.org) / [fdpdiv@escihyd.org](mailto:fdpdiv@escihyd.org)**





### Functionalities of IT Division

The **IT Division** offers highly focused and practically oriented training modules in various areas of Information Technology. It integrates modern concepts such as **Internet of Things (IoT)** and **Data Science** to meet the growing needs of IT professionals in **IT Infrastructure Service (ITIS), Cloud Computing, Software Development, IT Applications, Cyber Security, and Data Analytics.**

#### Key Domain Areas

##### (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 Administration
- Cloud Services using AWS / OpenStack / Microsoft Azure

##### (b) Software Development & IT Applications:

- Web Development using PHP & MySQL, ASP.NET, HTML5 & CSS3, MEAN Stack, React
- Enterprise Application Development using Java
- Mobile Application Development (React Native)
- Software Testing & Quality Assurance
- Oracle Forms & Reports
- ERP Training in SAP (BASIS, FICO, HR, MM, HANA)
- IT Applications like MS Office 2021, MS Project 2021, and Oracle Primavera

##### (c) Cyber Security, Data Analytics & IoT:

- Cyber Security Best Practices
- Cyber Defence Tools & Digital Forensic Investigation
- Mobile & Wireless Security
- Security Audit & Information Security Management System (ISO 27001: 2022)
- Data Analytics Using MS Excel, R tool, Hadoop & Spark tool
- Artificial Intelligence & Machine Learning
- Embedded Systems, Robotics, and Internet of Things (IoT)

### In-house / Specific Training Programs Offered

- **System & Network Administration** (Wireless Technology, Windows, Linux)
- **Database Administration** (MS SQL Server 2019, Oracle Data Guard, Database Security)
- **Server Management** (Mail Server, Apache Web Server, Storage Area Networks)
- **Cloud Services** (AWS, OpenStack, Microsoft Azure)
- **Software Development** (PHP & MySQL, ASP.NET, Java, HTML5, Angular 8, Android, iOS)
- **ERP & IT Applications** (SAP - BASIS, HANA, FICO, PS, SCM, HR, MM)
- **Industry 4.0 & Emerging Technologies** (IoT, AI, ML, Blockchain, IoT Data Analytics, Robotics, Cyber Security)
- **Cyber Security & Digital Forensic Tools** (Mobile Security, Security Audits, Ethical Hacking)
- **Data Analytics** (MS Excel, Power BI, Tableau, R tool, SPSS, Hadoop & PYSpark)

### Certification Programs

The division offers short-term (**3 to 6 months**) industrial training programs accredited by the **National Institute of Electronics & Information Technology (NIELIT), Ministry of Electronics & IT, Government of India**, designed to prepare students for IT industry roles.

#### Eligibility

B.Tech (CSE / IT / ECE), B.Sc (Computers), or any relevant graduate

#### Key Benefits

- Certification from **NIELIT** after successful completion
- **100% Placement Assurance**
- Hands-on Practical Training by Industry Experts
- Well-Designed Curriculum & Study Material
- **Advanced IT Lab** for Practical Training
- Industry Internships
- Interview & Soft Skills Training for Placements

The **IT Division** remains committed to providing advanced training and skill development to ensure high employability in the IT industry.

S#	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

## IT : Schedule of Training Programmes

S. No.	Programme Title	Days	Dates
1	Project Management & Monitoring using MS Project 2021	3	23 - 25 Apr 2025
2	Data Management using MS Access & MS Excel 2019	4	06 - 09 May 2025
3	GEM Procurement Procedures – Gem Account operation from Basic to expertise (Buyer module)	3	19 -21 May 2025
4	Cyber Security Best Practices for Managers & Executives	3	19 - 21 May 2025
5	Working with BOSS Linux & LibreOffice	4	02 - 05 Jun 2025
6	Mobile Application Development Using REACT NATIVE	6	16 - 21 Jun 2025
7	Data Security & Digital Personal Data Protection Act (DPDP) 2023	3	18 - 20 Jun 2025
8	Certification on Microsoft Power BI Data Analyst (PL 300)	4	23 -26 Jun 2025
9	Network & Security Administration	5	07 - 11 July 2025
10	Certification Program on Information Security Management System (ISMS - ISO 27001) Lead Implementer	4	21 - 24 Jul 2025
11	Effective Utilization of MS Office 365 for Office Administration	3	28 -30 Jul 2025
12	Cyber Security Tools & Security Audit	4	04 - 07 Aug 2025
13	Web Development using MERN Stack	6	18 - 23 Aug 2025
14	BOSS Linux Administration	4	19 - 22 Aug 2025
15	Certification program on MS Azure Cloud Administration (AZ 900 MS Certification)	4	01 - 04 Sep 2025
16	Security Operations Center (SOC) Analyst	5	08 - 12 Sep 2025
17	Advanced Excel for Report Generation & Analytics	3	10 - 12 Sep 2025
18	Microsoft Certified Fabric Analytics Engineer ( DP 600 Certification)	4	15 - 18 Sep 2025
19	Industry 5.0 Initiatives for Sustainable development	3	06 - 08 Oct 2025
20	Network Administration: Configuring & Securing LANs and WANs	5	13 - 17 Oct 2025
21	Procurement Rules for Goods & Services including Gem Portal & GFR 2017 Guideline	3	13 - 15 Oct 2025
22	Firewall & VPN Security Administration	5	10 - 14 Nov 2025
23	AI Tools to Enhance Work Productivity (ChatGPT & Copilot Intergradation with MS Office Applications)	3	12 - 14 Nov 2025
24	Cyber Security & Cyber Hygiene for IT / OT Officers	3	19 - 21 Nov 2025
25	Program Validation and Testing in Embedded System	4	24 - 27 Nov 2025
26	IT Tools & Techniques for Office Administration	3	01 - 03 Dec 2025
27	Techno Managerial Skills for Engineers	4	08 - 11 Dec 2025
28	Microsoft Power Platform Fundamentals (PL 900 Certification )	4	15 - 18 Dec 2025
29	Big Data Analysis & Financial Management	3	17 - 19 Dec 2025
30	Cyber Forensic Tools & Investigation Process	5	05 - 09 Jan 2026
31	Software Quality Assurance	3	19 - 21 Jan 2026
32	Generative AI & Deep Learning Applications	5	02 - 06 Feb 2026
33	Big Data Analysis Using MS Excel & Power BI	4	09 - 12 Feb 2026
34	End Point Security for System Administrators	3	11 - 13 Mar 2026



# Profile of Internal Faculty



**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.

**Ph : 040 - 66304123, Mob : 8886661060**



**Ms P Jyothi** (Jr. Faculty - IT)

She 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.

**Ph : 040 - 66304124, Mob : 9849531124**



**Ms. K Soumya** (Jr. Faculty - IT)

She 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.

**Ph : 040 - 66304124, Mob : 7799291112**

**Mr. T Murali Krishna**, Project Engineer

**Ph : 040 - 66304125, Mob : 9177461391**

**Email : it@escihyd.org**



### Functionalities of Management & Technology Division

The **Management & Technology Division** at ESCI is dedicated to conducting **Continual Professional Development Programmes (CPDPs)** and customized training programs across various disciplines of management and technology.

#### Key Domain Areas

##### (a) Management:

- **Soft Skills & Life Skills:** Personality Development, Communication & Presentation Skills, Emotional Intelligence, Team Building & Leadership Skills, Stress Management, Holistic Wellness, and Organizational Behavior.
- **Techno-Management Programs:** General Management, Human Resource Management, Financial Management, Operations & Marketing Management, Customer Relationship Management, Material & Supply Chain Management, Technology & Project Management, Knowledge Management, ERP, Artificial Intelligence, IoT, and Blockchain.

##### (b) Technology:

- Supercritical Technology
- Welding & NDT Techniques
- Corrosion & Surface Engineering
- Vibrations & Balancing of Heavy Rotating Machinery
- Condition Monitoring, Pumps & Heat Exchangers
- Aerospace & Avionics Standards (DO 254, 178)
- Systems Engineering & Concurrent Engineering
- Composite Materials & Instrumentation Control Systems
- Product Design & Development (Design & Analysis)
- PLM Software (AutoCAD, Revit, Fusion 360, CATIA, SolidWorks, ANSYS, HyperWorks)
- Robotics & AI (Humanoid, Industrial & Application-Oriented)
- Internet of Things (Design & Programming using Arduino & Raspberry Pi)
- Innovation & Entrepreneurship (Boot/Summer Camps)

- Management Training (Assertive Communication, Conflict Resolution, Leadership & Managerial Excellence, Personality Development)
- Start-up Management (Professional Training, Mentoring & Technical Assistance)

#### In-house / Specific Training Programmes Offered:

- Labour Laws & Employer Obligations** (Provision of related Acts/Laws)
- Level I, II & III Certification in NDT Techniques**
- Advancements in Metal Working (Forging & Forged Products)**
- NDT for Failure Analysis of Castings, Forgings, Weldments & Tubes**
- Metallurgical Aspects for Production & Quality Control Professionals**
- Warehousing & Stores Management**
- Business Drafting, Communication & Presentation Skills**
- Conflict Management, Problem Solving & Decision-Making Skills for Contract Management**
- Project Risk Assessment & Risk Management for Engineers, Scientists & Officers**
- Enhancing Managerial Excellence for Engineers & Executives**
- Student Internship Programs for Engineering Colleges**

#### Consultancy Projects:

- **Failure Analysis of Products using Welding & NDT Techniques**
- **Student Research Projects (BTech/MTech/Scholars)**
- **Industrial Design & Prototyping**
- **Value Engineering, Analysis & Automation**
- **New Product Design & Development**
- **Question Paper Setting for Competitive Exams**

The **Management & Technology Division** continues to foster industry-aligned training, innovation, and consultancy services, equipping professionals with the necessary skills for career advancement and industrial growth.



## M&T : Schedule of Training Programmes

S. No.	Programme Title	Days	Dates
1	Communication & Presentation Skills for Technologists, Engineers and Officers	3	07 - 09 Apr 2025
2	Vibrations, Balancing, Alignment and Condition Monitoring of Rotating Equipments (Theory and Practical Orientation with Site Visit)	5	21 - 25 Apr 2025
3	Contract Management & Legal Aspects of Government Projects	3	05 - 07 May 2025
4	Advanced Technologies in Casting & Sheet Metal Forming	4	19 - 22 May 2025
5	Advances in Fusion and Solid State Welding Technologies and Non Destructive Testing (NDT) Methods	5	02 - 06 Jun 2025
6	Advanced Office Management & Effective Administration	3	09 - 11 Jun 2025
7	Industrial Bearings Revisited- Maintenance, Condition Monitoring, Analysis and Prevention of Failures	4	23 - 26 Jun 2025
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	07 - 11 Jul 2025
9	Organizational Excellence, Creative Leadership and Team Building Skills for Organizational Development	4	14 - 17 Jul 2025
10	Corrosion Engineering and Advances in Corrosion Resistance Coatings	4	21 - 24 Jul 2025
11	Operation, Maintenance and Performance Monitoring of Centrifugal Pumps, Blowers and Compressors (including Reciprocating and Screw Compressors)	4	04 - 07 Aug 2025
12	Laser Welding Technology (Practical Oriented Training Programme)	4	11 - 14 Aug 2025
13	Strategic Management and Financial Acumen for Engineers, Officers and HR Managers	4	18 - 21 Aug 2025
14	Metal Casting & Forging Technology - Processes, DFM, Quality & Cost Considerations	5	01 - 05 Sep 2025
15	Advanced Project Management with MS Project (Hands-on Training)	5	15 - 19 Sep 2025
16	NDT Level II Certification in Ultrasonic Technique (in Accordance with ASNT Document No. SNTC-1A 2020)	5	22 - 26 Sep 2025
17	Robotics and Digitalization in Manufacturing	4	06 - 09 Oct 2025
18	Maintenance and Troubleshooting of Hydraulics and Pneumatic Systems	4	27 - 30 Oct 2025
19	Heating, Ventilation & Air Conditioning (HVAC) Systems in different Industries	4	03 - 06 Nov 2025
20	Precision Machining with MASTERCAM (CNC Programming): Mastering 2D & 3D Programming	5	10 - 14 Nov 2025
21	Steam Boilers and Turbine System Operations (Maintenance, Troubleshooting, Heat Recovery and Optimization)	4	17 - 20 Nov 2025
22	NDT Level II Certification in Visual Inspection/Visual Testing (in Accordance with ASNT Document No. SNT-TC-1A 2011)	5	01 - 05 Dec 2025
23	Conflict Management, Decision Making and Problem Solving Skills	4	08 - 11 Dec 2025
24	Engineering Simulation Using ANSYS & CFD	5	15 - 19 Dec 2025
25	Artificial Intelligence and Machine Learning for Predictive Maintenance, and Process Automation in Process Industries	4	05 - 08 Jan 2026
26	Non - Destructive Testing & Failure Analysis of Castings, Forgings, Weldments and Tubes	4	19 - 22 Jan 2026
27	CNC Cutting tools and Machining Techniques (Selection of Tools, Sustainable Cutting Fluids and Cutting Parameters for CNC Machining)	4	27 - 30 Jan 2026
28	TPM (Total Productive Maintenance) - The foundation for Manufacturing Excellence	3	09 - 11 Feb 2026
29	Organizational Culture Assessment, Change Management & Strategic Leadership (Developing a Positive Culture where People and Performance Thrive)	4	16 - 19 Feb 2026
30	Advanced Course on Effective Spare Parts Inventory Management	4	02 - 05 Mar 2026
31	Stress Management and Work Life Balance for Engineers and Officers	4	23 - 26 Mar 2026

**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 softwares & 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

**Profile of Internal Faculty**



**Dr Katti Bharath** (Faculty - M&T)

He is an accomplished researcher and academic specializing in metal forming, modeling, and simulation. He holds a B.Tech. in Mechanical Engineering from MGIT-Hyderabad and an M.Tech. and Ph.D. from NIT Warangal, with his doctoral research focusing on the simulation and modeling of aluminum alloys in metal forming. He has published 15 research papers in reputed national and international journals and has presented numerous technical papers at conferences. During his tenure at DMRL (DRDO), he contributed to various government projects. Recognized for his research contributions, he received the Research Excellence Award (2020) from the Institute of Scholars (InSc) and best presentation awards at international conferences. His key research interests include metal forming, deformation, lightweight metals, welding, NDT, and simulation & modeling. Dr. Bharath also serves as a reviewer for four international journals and is an editor for IIP Iterative International

Publisher. He remains actively engaged in teaching, research, and institutional development.

**Ph : 040 - 66304105, Mob : 7097282619**

**Mr. Vijay, Program Officer**

**Ph : 040 - 66304112, Mob : 9573214387**

**Email: [mt@esci.org](mailto:mt@esci.org) / [mtmkt@esci.org](mailto:mtmkt@esci.org)**



### Functionalities of Mining Division

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

#### In-house / Specific Training Programmes Offered:

- Drilling & Blasting
- Design & Slope Stability Monitoring
- Optimization of Resources in Opencast Mines
- Design of Haul Roads
- Risk Assessment & Safety Management Plan
- Sustainable Mining Practices
- Induction Programme for Newly Recruited Engineers
- Predictive Maintenance of HEMM
- Smart Mining

#### 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



## ME : Schedule of Training Programmes

S. No.	Programme Title	Days	Dates
1	Comprehensive Course on Drilling and Blasting for Engineers & Managers	5	07-11 Apr 2025
2	Mine Legislation and Management Safe Practices in Opencast Mines	5	21-25 Apr 2025
3	Insights into Mechanization & Technology in Underground and Opencast Mining for Optimum Coal Extraction.	3	07-09 May 2025
4	Environmentally Responsible Mining Practices	3	14-16 May 2025
5	Optimal 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	21-23 May 2025
6	Mine Planning and Design	3	28-30 May 2025
7	Professional Management Programme for Trade Union Leaders in Mining Industry	3	04-06 Jun 2025
8	Trends in Drilling & Blasting Operations in Mining for Blasting Engineers.	3	11-13 Jun 2025
9	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	17-20 Jun 2025
10	Application of Digital Technologies to Promote Safety and Productivity - Application of Internet of Things (IoT), Smart Sensors and Artificial Intelligence, Remote Operations, Men-Tracking	3	25-27 Jun 2025
11	Skill Development Programme for Technicians in Electrical & Mechanical Engineering	3	02-04 Jul 2025
12	Exploration and Mining of Critical Minerals for Energy Security in India	3	16-18 Jul 2025
13	Best Practices in Operations and maintenance of Electrical Equipments in Mining Projects	3	23-25 Jul 2025
14	Energy & Safety Audit in Mining Projects	2	30-31 Jul 2025
15	Environmental and Social Challenges During Blasting in Opencast Mines & Their Mitigation	3	05-07 Aug 2025
16	Orientation course for Overburden Removal Contractors and MDO in Coal Mining Projects	3	12-14 Aug 2025
17	Optimum Utilization of HEMM through Efficient Operation and Condition-Based Monitoring & Maintenance	3	01-03 Sep 2025
18	"Comprehensive Management Training Programme for Mining, Electrical, Mechanical Supervisors & Chargehands in Mining Industry"	3	08-10 Sep 2025
19	Basic Principles of Mining for Personnel & IT Managers – Basics of Geology, Exploration, Surveying, Mineral Extraction, Rehabilitation, Team Building, HR Practices	5	15-19 Sep 2025
20	Waste to Resources in Mining	2	06-07 Oct 2025
21	Measures to Mitigate Social Impacts of Mining Projects-Social Impact Assessment, Land Acquisition, Rehabilitation & Resettlement, Pollution Control Measures, Water & Soil Management, Controlled Blasting, Skill Development of Affected Persons	3	13-15 Oct 2025
22	Application of IoT, Remote Sensing, UAV, Technologies in Mining	3	10-12 Nov 2025
23	3-Day Conference on "Sustainable Practices in Mining"	3	19-21 Nov 2025
24	Mitigation of Occupational Safety & Health Challenges in Mining	4	02-05 Dec 2025
25	Technology for Efficient Mine Surveying	3	10-12 Dec 2025
26	Techno-Management Program for Managers and Engineers in Mining	3	17-19 Dec 2025
27	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	5	05-09 Jan 2026
28	Effective Technical & Managerial Skills for Overman, Foremen, Electrical Supervisors & Chargehands in Industries.	3	19-21 Jan 2026
29	Mine Geology & Advanced Exploration Techniques & Rock Blasting	3	02-04 Feb 2026
30	Management Programme: Communication & Presentation Skills, Team Building, Leadership, Skill Development for Executives	3	11-13 Feb 2026
31	Preparation of Safety Management Plan	3	25-27 Feb 2026
32	Formulation of Mining Plan, Environmental Management Plan, Project Report	3	04-06 Mar 2026
33	Fleet Management System in Opencast Projects	3	11-13 Mar 2026

# Profile of Internal Faculty



**Er K J Amarnath** (Sr. Faculty & Head I/C - M&T and Mining)

He 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, & M&T Division of Engineering Staff College of India, Hyderabad.

**Ph : 040 - 66304154, Mob : 9491144022**



**Mr. L. Krishna** (Faculty - Mining)

He 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.

**Ph : 040 - 66304167, Mob : 9553939316**

**Mrs. K Satya Lakshmi**, Officer (Prog)

**Ph : 040 - 66304167, Mob : 9966013930**

**Email : [mining@escihyd.org](mailto:mining@escihyd.org)**



### Functionalities of Power & Energy Division

The **Power & Energy Division** plays a crucial role in professional training and knowledge dissemination in **Power Utility Generation, Transmission, Distribution, and the Energy sector**. It focuses on best practices in **Captive Power Plants and process industries**.

#### Key Domain Areas

##### (a) Power Generation (Thermal, Hydro & Gas):

- Power System Protection
- C&I including PLC & DCS
- Best Practices in O&M of Power Plant Equipment
- Design & Performance of Heat Exchangers, Pumps, Coal Pulverizers
- Condition Monitoring & Reliability-Centered Maintenance
- O&M of Valves & Actuators
- Blending of Coal
- Electrical Safety Procedures & Regulatory Compliance

##### (b) Solar Power:

- Roof Top Solar PV Module Installation
- Renewable Energy Generation & Grid Integration

##### (c) Transmission:

- O&M of Power Transformers & EHT Circuit Breakers
- Power Cable Selection & Maintenance
- Energy Audit & Loss Reduction in T&D Systems
- Open Access & Power Trading
- Smart Grid, Protection Control & Monitoring
- Substation Automation Systems

##### (d) Distribution:

- Smart Grids & Smart Meters
- Digital Energy Meters: Functions & Applications
- Statutory Regulatory Issues & Revenue Management
- Electrical Safety & Pilferage Prevention
- Franchisee Model & O&M of Distribution Transformers/Substations

##### (e) Industry, Oil & Gas:

- O&M of Compressors, Drives, Drilling Rigs, and Oil Field Equipment
- Heat Exchangers in Process Industries
- Petroleum, Refineries & Petrochemicals Safety
- Risk-Based In-Service Inspection

##### (f) Energy:

- Energy Audit & Pre-training for Energy Manager Certification

##### (g) Consultancy:

- Power Generation, Transmission & Distribution Consultancy
- Renewable Energy & Grid Integration Solutions

### In-house / Specific Training Programmes Offered:

- (a) Effective Material Management System & e-Procurement
- (b) Power Cable Selection, Testing, Installation & Fault Finding
- (c) PAT Mechanism in Power Plants
- (d) Distribution Equipment Cabling
- (e) Accident Prevention & Safety Rules
- (f) Design, Installation & O&M of Underground Distribution Lines
- (g) Energy Efficiency in Pumps, Fans, Compressors & Refrigeration Systems
- (h) Open Access, Power Trading & Tariffs – ABT Scenario
- (i) Switchgear & Protection of Generators & Transformers
- (j) Earthing Practices & Electrical Safety Precautions
- (k) Efficiency Improvement in Distribution & O&M of Transformers
- (l) Static & Digital Energy Meters
- (m) Rewinding & Retesting of Transformers up to 5 MVA
- (n) Gas Turbine Maintenance
- (o) Power Grid Management
- (p) Plant Performance Optimization
- (q) Boiler Water & Cooling Water Chemistry & Corrosion Control
- (r) ST & GT Governing Systems
- (s) Flexibilization of Thermal Power Plants

### Consultancy Services:

- **Energy Audits** for Power Utilities (Transco, Genco, Discoms), Educational Institutions & Industries
- **Demand Side Management (DSM)** for Municipal Street Lighting & Energy Auditing
- **Re-evaluation of Assets & Manpower Assessment** in Power Utilities
- **Procurement Consultancy** for Power Utility Spare Optimization
- **Power Plant Performance Monitoring & KPI Evaluation**
- **DPR Preparation** for Solar Power Plants
- **Healthiness Assessment** of Solar PV Power Plants
- **Safety Audits** for industries such as Power Utilities, Captive Power Plants, Mines, Cement, Fertilizer & Paper Mills
- **Electricity Pilferage Consultancy** for Distribution Companies & PAT Scheme Compliance in Thermal Power Plants
- **Third-party Verification & Energy Audits** for ULB Street Light Services

The **Power & Energy Division** remains committed to enhancing efficiency, reliability, and sustainability across the power and energy sectors.



## P&W : Schedule of Training Programmes

S. No.	Programme Title	Days	Dates
1	Failure Analysis of Distribution Transformers - O&M achieving Zero Breakdown	4	22 - 25 Apr 2025
2	Renewable Energy Systems - Wind & Solar - Grid Integration	4	13 - 16 May 2025
3	Electrical Safety Procedures & Accident Prevention	4	27 - 30 May 2025
4	Rooftop Solar PV Grid - Design, Erection, Commissioning & Maintenance - PM Suryagharyojana Scheme	3	10 - 12 Jun 2025
5	Substation Automation and Smart Grids	4	17 - 20 Jun 2025
6	Environmental Issues, Challenges & Pollution Control Strategies in Thermal Power Plants	3	24 - 26 Jun 2025
7	Franchise Models of Distribution Systems - Issues and Challenges	3	08 - 10 Jul 2025
8	Power Plant Chemistry for Chemists and Operation Engineers	3	15 - 17 Jul 2025
9	Gas Insulated Substations - Design features, Construction, Testing, Operation & Maintenance	4	22 - 25 Jul 2025
10	Operation, Maintenance & Testing of Power Transformers and HT Circuit Breakers	4	04 - 07 Aug 2025
11	Distribution Automation & SCADA	3	11 - 13 Aug 2025
12	Latest Technologies in Solar PV - Battery Energy Storage System (BESS)	4	19 - 22 Aug 2025
13	Flexibilization of Thermal Power Plants	3	02 - 04 Sep 2025
14	Power System Protection - Principles, Protection Relays and Fault Analysis	4	09- 12 Sep 2025
15	Renovation & Modernization of TPP Units, Case Studies along with Commercial Aspects	4	16- 19 Sep 2025
16	Pilferage of Electricity - Detection & Prevention - Issues & Challenges	3	24 - 26 Sep 2025
17	Best Practices in O&M of Coal & Ash Handling Plants	4	07 - 10 Oct 2025
18	Power Cables Selection,testing,Laying and Commissioning	3	14 - 16 Oct 2025
19	Pumps Operation, Maintenance & Performance Monitoring for Power Plant Applications	3	29 - 31 Oct 2025
20	Best Earthing Practices and Safety Measures in EHV Substation	4	04 - 07 Nov 2025
21	Challenges & Opportunities in EVs, Charging Stations and Grid Infrastructure - Latest EV Govt. Policies	4	10 - 13 Nov 2025
22	Transmission Line Construction (Survey, Design of lines and construction practices)	4	18 - 21 Nov 2025
23	CERC Regulations Including Tariff Regulations	4	25 - 28 Nov 2025
24	Latest techniques in Control & Instrumentation in Power Plants and Process Industries Applications	4	02 - 05 Dec 2025
25	Best Practices Operation Maintenance of EHV Substation (GIS & AIS)	3	09 - 11 Dec 2025
26	Innovative Practices and Financial healthiness of the DISCOMs- Issues & Challenges	3	16 - 18 Dec 2025
27	Pumped Storage for Sustainable Power System - Implementation Challenges	3	05 - 07 Jan 2026
28	CEA Regulations 2023 - Measures relating to Safety, Electric Supply Associated Maintenance and Safety Practices	4	20 - 23 Jan 2026
29	IT Solutions in DISCOMs	3	27 - 29 Jan 2026
30	Best Practices in O&M of Hydro Power Plants	4	03 - 06 Feb 2026
31	Cyber Security Issues in Power Sector	3	10 - 12 Feb 2026
32	Tariff Policy - Basics of Tariff Calculation & Procedure / Information Required for Preparation of Tariff Petition (ARR) & Energy Scheduling	3	18 - 20 Feb 2026
33	Boiler Tube Failure Analysis & Preventive Measures	3	24- 26 Feb 2026
34	Penetration of Renewables - Technical Challenges and Regulatory Framework	3	09 - 11 Mar 2026
35	Smart Meter Integration - PMU Asset Management in T&D Utilities	4	10 - 13 Mar 2026
36	Super Critical and Sub Critical Boilers; Issues and Challenges of Cooling Water Chemistry in Power Plants and Process Industries	3	23 - 25 Mar 2026

# Profile of Internal Faculty



**Er. U Vidya Sagar** (Sr. Faculty & Head - P&E)

He 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 APCDCL 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.,

**Ph : 040 - 66304176, Mob : 8179559990**



**Dr. V Vidyasagar** (Sr. Faculty - P&E)

He 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"

**Ph : 040 - 66304170, Mob : 9421801203**



**Mr. M Srikanth** (Jr. Faculty - P&E)

He 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.

**Ph : 040 - 66304189, Mob : 9885372277**

**Ms. Sarada Devi, Manager Programs - Ph: 040-66304172**

**Ms. Saraswathi Devi, Asst. Program Officer – Ph: 040-66304174 – Mob: 7287860384**

**Email : [pe@escihyd.org](mailto:pe@escihyd.org) / [training.power@escihyd.org](mailto:training.power@escihyd.org)**



### Functionalities of Q & P Division

The **Quality & Productivity (Q&P) Division** focuses on designing and conducting training programs aimed at enhancing **product and service quality** across various sectors. The division specializes in **continual improvement of systems, products, and processes** using contemporary quality improvement tools and methodologies. Additionally, it provides consultancy for **Accreditation/Certification** and supports the implementation of **quality improvement initiatives** in organizations and educational institutions.

### Key Domain Expertise

#### (a) Systems:

- ISO 9001 Quality Management System
- ISO 14001 Environment Management System
- ISO 45001 Occupational Health & 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)
- ISO 31000 Risk Management System

#### (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 of Uncertainty
- Marketing - Measurement of Customer Satisfaction

#### (c) Quality Management Tools:

- 5S for Workplace Excellence
- Quality Circles
- Lean Manufacturing
- Total Productive Maintenance (TPM)
- 7QC Tools
- Benchmarking
- Quality & Reliability
- Total Quality Management (TQM)
- Problem Solving Steps
- Six Sigma Green Belt
- Industry 4.0 Implementation

#### (d) Faculty and Staff Development Programs:

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

#### (e) Consultancy Support for Certification and Implementation:

- ISO 9001:2015 QMS
- ISO 14001:2015 EMS
- ISO 45001:2018 OHSMS
- ISO/IEC 17025:2017 NABL
- ISO 22001:2018 FSMS
- ISO 37001 Anti-Bribery Management System
- ISO 50001 EMS - Energy Management System
- Implementation of 5S, TPM, Resource Optimization, Waste Elimination, and Workload Leveling

### In-house / Specific Training Programs Offered

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

- ISO 9001:2015 - Quality Management System
- ISO 14001:2015-Environmental Management System
- ISO 45001:2018 - Occupational Health & Safety Management System
- ISO 50001:2018 - Energy Management System
- AS 9100 D - QMS for Aviation, Space & Defence Organizations
- IAQG Maturity Model
- ISO/IEC 17025:2017 NABL Laboratory Accreditation
- Integrated Management System (IMS)
- Measurement of Uncertainty Training
- ISO 27001- Information Security Management System
- ISO 37001 - Anti-Bribery Management System
- **Japanese Quality Systems:**
  - Just-In-Time Operational Excellence
  - Total Productive Maintenance (TPM)
  - 5S for Workplace Excellence
- ISO 22001-2018 - Food Safety Management System Awareness & Internal Audit
- IATF-16949:2016 - Awareness & Internal Auditor Training for Automotive Industry
- Industrial Safety - Quality Focus
- Value Stream Mapping for Lead Time Optimization
- 7 Quality Control Tools for Effective Quality Management



## Faculty & Staff Development Programs / Workshops:

- Outcome-Based Education (OBE)
- NBA-SAR Filing
- NAAC Accreditation Programs
- Student Development Programs

- Pedagogy, Research & Entrepreneurship Development

The **Q&P Division** remains committed to advancing **quality, productivity, and efficiency** in industries and institutions through structured training, accreditation support, and consultancy services.

## 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

## Profile of Internal Faculty



**Dr. Prof. C S Krishna Prasada Rao** (Advisor - Q&P)

He 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 85+ 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, ASCI.

**Ph : 040 - 66304133, Mob : 9985297630**

**Mr. G Ram Murthy**, Program Officer

**Ph : 040 - 66304110, Mob : 9985706051**

**Email : qp@escihyd.org**



## Q&P: Schedule of Training Programmes

S. No.	Programme Title	Days	Dates
1	ISO 9001:2015 QMS - Effective Implementation & Internal Auditor Training	4	5 - 8 May 2025
2	Industry 4.0 Quality aspects	4	13 - 16 May 2025
3	Total Quality in Vigilance	3	19 - 21 May 2025
4	5S for Work Place Excellence	3	02 - 04 Jun 2025
5	Laboratory Management System Awareness & Internal Auditing (As per ISO/IEC 17025:2017 & NABL Requirements)	4	23 - 26 Jun 2025
6	7 QC Tools for Effective Quality Management	3	07 - 09 Jul 2025
7	Industry 5.0 Quality aspects	4	14 - 17 Jul 2025
8	ISO 9001-2015 QMS _ Lead Auditor Training (CQI-IRCA-UK Certified)	5	21 - 25 Jul 2025
9	Quality Control and Engineering Inspection	3	04 - 06 Aug 2025
10	Disciplinary Proceedings	3	05 - 07 Aug 2025
11	Lasers - Photonics Technology in Quality Control"	3	11 - 13 Aug 2025
12	Lean Six Sigma Green Belt	5	18 - 22 Aug 2025
13	Total Quality in Purchase process (Including ERP & e-Procurement)	4	08 - 11 Sep 2025
14	Industry 5.0 Quality aspects	4	15 - 18 Sep 2025
15	Introduction to Radar and EW System	3	22 - 24 Sep 2025
16	Business Excellence	3	29 - 01 Sep-Oct 2025
17	ESG and BRSR Environmental Social Governance and Business Responsibility and Sustainability Reporting.	3	22 - 24 Oct 2025
18	Laboratory Management System Awareness & Internal Auditing (As per ISO/IEC 17025:2017 & NABL Requirements)	4	27 - 30 Oct 2025
19	Risk Management	3	03 - 05 Nov 2025
20	ISO 9001:2015 QMS - Effective Implementation & Internal Auditor Training	4	17 - 20 Nov 2025
21	Root Cause Analysis	3	24 - 26 Nov 2025
22	Lean Six Sigma Green Belt	5	01 - 05 Dec 2025
23	Total Productive Maintenance (TPM)	4	15 - 18 Dec 2025
24	Quality and Reliability Management	3	22 - 24 Dec 2025
25	Uncertainty Measurement	3	29 - 31 Dec 2025
26.	Electronics, Optical Test & Measurements	3	06 - 08 Jan 2026
27	Internal Auditor training - ISO 45001:2018 Occupational Health and Safety Management Systems	4	06 - 09 Jan 2026
28	ISO 9001:2015 QMS - Effective Implementation & Internal Auditor Training	4	19 - 22 Jan 2026
29	Laboratory Management System Awareness & Internal Auditing (As per ISO/IEC 17025:2017 & NABL Requirements)	4	27 - 30 Jan 2026
30	Lean Six Sigma Green Belt	5	02 - 06 Feb 2026
31	Quality of Life and Work balance	3	09 - 11 Feb 2026
32	Intellectual Property Rights (IPR) - Patent	3	11 - 13 Feb 2026
33	Internal Auditor training for AS 9100 Rev D	3	16 - 18 Feb 2026
34	Quality, Metrology & Standards	3	23 - 25 Feb 2026
35	Total Quality Management TQM	3	09 - 11 Mar 2026
36	ISO 9001:2015 QMS - Effective implementation & Internal Auditor Training	4	10 - 13 Mar 2026
37	Quality and Reliability Management	3	16 - 18 Mar 2026
38	Total Quality in Vigilance	3	23 - 25 Mar 2026

### Functionalities of WRD Division

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

### Areas of Specialization

- Irrigation Sector
- Water Conservation, including Rainwater Harvesting
- Agriculture & Watershed Management
- Rural Water Supply, including Software Applications
- Sanitation Sector
- Remote Sensing, GIS & Differential GPS Applications and Mobile 3D Mapping Techniques
- Project & Contract Management
- Induction Training for Newly Recruited Engineers

### Capacity Building Areas

The division offers training in:

- Integrated Water Resources Management
- Flood Computation & Management
- Dam Safety & Irrigation Systems Management
- More Crop per Drop (Efficient Water Use in Agriculture)
- Watershed Management & Participatory Irrigation Management (PIM)
- Hydraulic Gates & Hoists Operations
- Rural Water Supply & Sanitation
- Total Station GIS & GPS Applications
- Contract Management

### Participants

Participants include professionals from **Water Resources, Irrigation & Command Area Development, PHED, RWS&S, Agriculture, Irrigation Development Corporations, Groundwater Departments, Housing Boards, and various State & Central Government Departments and Public Sector Units**. The division also attracts participants from **Nepal, Bhutan, Ethiopia, and other developing countries**.

### In-House / Specific Training Programs Offered

- Water Resources Management & Dam Safety
- Flood Management & Micro Irrigation Systems

- Canal Automation for Irrigation Management
- Participatory Groundwater Management
- Rural Water Supply & Sanitation
- Water Quality Monitoring & Surveillance
- Drinking Water Security & Safety Plans
- Solar Energy for Water Supply & Sanitation
- Application of Mobile 3D Mapping & DGPS
- Project Management in Water Resources

### Training Programs Using Software Applications:

- Design Analysis of Concrete Gravity Dams
- Irrigation Projects – Canal Automation
- Design & Analysis of Civil Structures
- Planning, Design & Installation of Flow Measurement Structures
- Crop Water Requirement Analysis
- Drinking Water Sector Management
- SCADA Applications in Drinking Water Systems
- Finite Element Method (FEM) & ANSYS
- EPANET for Water Distribution Analysis
- Remote Sensing & GIS Applications
- MS Project & Primavera for Project Management

### Additional Programs & Partnerships

- UNICEF Collaboration: Training in Water & Sanitation Sectors, including:
  - Project Implementation Plan for Swajal
  - Water Security Plan & Quality Surveillance
  - Retro-fitting of Toilets in Swachh Bharat Mission (Telangana, Andhra Pradesh, Karnataka)
- Induction Training for Newly Appointed Engineers & Managers of Hyderabad Metro Water Supply and Sewerage Board (HMWSSB), Government of Telangana
- Tailor-Made Training Programs for State Governments in Water Resources, Drinking Water, and Sanitation Sectors

### Consultancy Services

- **Water Security & Sustainability**
- **Water Audit & Conservation Strategies**
- **Modernization of Land Records**

The **WRD Division** continues to be a leader in professional capacity building, technological advancement, and sustainable water resource management for various stakeholders



## WRD : Schedule of Training Programmes

S. No.	Programme Title	Days	Dates
1	Instrumentation and Seismic Analysis of Gravity Dams with Software Applications	3	22 - 24 Apr 2025
2	Dam Safety Guidelines - Monitoring and Protection Measures and Emergency Action Plan	3	19 - 21 May 2025
3	Automation in Micro Irrigation Systems for improving Irrigation Efficiency	5	09 - 13 June 2025
4	Reservoir Sedimentation Impact and Management Strategies	3	23 - 25 June 2025
5	Project Management using MS Project and Primavera Software	3	09 - 11 July 2025
6	Failure of Gates & Dams and Preventions	3	16 - 18 July 2025
7	Assessment of Irrigation Demand and Irrigation Scheduling using Latest Software Applications	3	21 - 23 July 2025
8	Benchmarking Studies of Water Use Efficiency	5	04 - 08 Aug 2025
9	Soil & Water Conservation : Importance and Best Practices	3	18 - 20 Aug 2025
10	Structural Safety of Existing Dams - Evaluation and Impacts	3	10 - 12 Sep 2025
11	Hydraulic Gates and Hoists - Design, Erection and Operation & Maintenance including Dismantling	5	22 - 26 Sep 2025
12	Hydrological Observations, Data Collection and Formulation of Flood Forecasting	3	06 - 08 Oct 2025
13	Hydro Dynamic Analysis using MIKE including Dam Break Analysis	3	27 - 29 Oct 2025
14	LiDAR Technology for Irrigation & Agriculture Sector	3	10 - 12 Nov 2025
15	Contract Management and Arbitration in Engineering Projects	5	17 - 21 Nov 2025
16	Conjunctive Groundwater Studies & Their Impact in Irrigation Projects	3	24 - 26 Nov 2025
17	Planning, Design, Construction and O&M of Lift Irrigation Schemes	4	02 - 05 Dec 2025
18	Micro Irrigation Systems Implementation, Fertilizer Management including System Maintenance	3	10 - 12 Dec 2025
19	Use of Total station & DGPs for Engineering Project	3	17 - 19 Dec 2025
20	Planning, Design and Implementation of Water Supply Network and Distribution using GIS	5	05 - 09 Jan 2026
21	Design and Optimization of IoT Based Smart Irrigation System	3	19 - 21 Jan 2026
22	Operation & maintenance of Hydro Mechanical Equipment Effective	3	28 - 30 Jan 2026
23	Mapping and Modelling coastal Protection zones for sediment transport	3	04 - 06 Feb 2026
24	Water Pollution and Contamination Modelling – Climate Change Impact Analysis	3	16 - 18 Feb 2026
25	Cloud-Based Water Resources Data collation, Analysis & Decision Making	3	25 - 27 Feb 2026
26	Mapping and Monitoring of Irrigation Projects using RS&GIS Technologies	3	9 - 11 Mar 2026
27	Planning, Design of Pipe Distribution Network system	3	11 - 13 Mar 2026
28	Water Budget, Water Audit and Water Security Plans	3	23 - 25 Mar 2026

### Certification Course:

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

# Profile of Internal Faculty



**Mr. M. Raja Sekhar Reddy** (Sr. Faculty & Head - WRD)

He 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.

Ph: 040 - 66304117, Mob: 9440817322



**Mr. G. Naresh** (Faculty & WRD)

He 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).

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



# Project Consultancy

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

<b>TEAM</b>	<b>Mr. D. Sridhar Babu</b> , Chief Projects Coordinator	Ph: 040-66304129, Mob: 9908639888
	<b>Mr. R. B. Anil Kumar</b> , Project Consultant	Ph: 040-66304130, Mob: 9989985464
	<b>Mr. U Raja</b> , Project Engineer	Ph: 040-66304165, Mob: 9963963579

**Email: proj@escihyd.org**



TPIA - Inspection of Jal Jeevan Mission works in Chhattisgarh State



TGMSIDC - Construction of Boys Hostel to Medical College in Nalgonda



Medical College at Suryapet



Cable Bridge at Mahabubnagar



Construction of Central Medicine Store - Bhadradi Kothagudem



TGEWIDC - Construction of Dormitory Block in Nizamabad



TPQC Inspection of TGOILFED works



CC Cores testing at CETL-ESCI on GHMC-TPQC for Road works

# School of Post Graduate Studies

ESCI established the academic wing **School of Post Graduate Studies (SPGS)** in the year 2008, to bridge the skill-set gaps between corporate expectations and fresh graduate students coming out of academic portals. Accordingly SPGS started PGDM Programmes.

## 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-General program for graduates in 2011 with various specializations including Marketing, Human Resource, Finance, Operations, Business Analytics and Telecommunications

## Programmes

### PGDM-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.

### PGDM-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

### PGDM in Innovation, Entrepreneurship and Venture Development Management:

This intensive Postgraduate Diploma program is designed to equip aspiring entrepreneurs, intrapreneurs, and startup enthusiasts with the knowledge, skills, and mindset needed to develop innovative ideas into sustainable business ventures. The curriculum focuses on entrepreneurial thinking, venture creation, and the strategic process of bringing new products or services to market. By combining theoretical foundations with hands-on learning, this program prepares individuals to navigate the challenges of innovation management, business development, and venture capital.

The program places strong emphasis on experiential learning through **Hands-on projects, Business plan development, Idea Generation** including idea





# School of Post Graduate Studies

validation, financial modeling, and market entry strategies. **Startup incubation opportunities,**

**Students will gain a deep understanding of the key aspects of entrepreneurship, including:**

- Idea Generation & Evaluation
- Develop & Design sustainable Business Model & Validation –
- Lean Startup Methodology
- Funding Strategies & Venture Capital –Market Research & Analysis
- Intellectual Property Protection
- Leadership & Team Building for Startups

**This program is ideal for:**

- Aspiring entrepreneurs
- Intrapreneurs.
- Professionals & executives looking to transition into the startup ecosystem.

- Early-stage startup founders aiming to refine their business models and scale their ventures.

By the end of the program, graduates will have the confidence, strategic acumen, and practical experience to successfully bring new business ideas to life and navigate the entrepreneurial landscape.

## 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

## 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,

8143143616



3rd Convocation Ceremony by his excellence Sri. Jishnu Dev Varma, Hon'ble Governor of Telangana



## Introduction

Engineering laboratories provide essential hands-on experience, bridging theoretical knowledge with practical applications across various disciplines. The **Mechanical Engineering Laboratory** focuses on material strength, fluid dynamics, thermodynamics, and machine design, allowing students to analyze and test mechanical systems. The **Electrical Engineering Laboratory** enables experiments on power systems, circuit analysis, electromagnetism, and electrical machines, helping students understand energy transmission and automation. The **Civil Engineering Laboratory** covers structural analysis, material testing, geotechnical studies, and surveying, ensuring students

gain practical insights into construction and infrastructure development. The **Electronics & Communication Engineering Laboratory** emphasizes semiconductor devices, signal processing, microcontrollers, and communication networks, fostering innovation in embedded systems and wireless technologies. Lastly, the **Computer Science & Engineering Laboratory** supports programming, artificial intelligence, data science, cybersecurity, and software development, equipping students with computational and problem-solving skills crucial for the digital era. These laboratories collectively enhance technical proficiency, innovation, and research across engineering disciplines

### 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.





# Infrastructure



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

## Centenary Convention Centre



# Sponsoring Organizations

## 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



- 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

- Airports Authority of India
- BBMB, BCCL, BDL, BEST, BPCL, HAL, HPCL, IIRS, IOCL, IICT NEEPCO, NEERI, NMDC, NRSC, ONGC, PGCIL, SAIL, SCCL, THDC, WCL, MCL, ECL, SECL, NTPC, NCL, NLC
- Bharat Coking Coal Limited
- Central Mine Planning & Design Institute Ltd.
- Centre for Water Resources and Management
- Central Coalfields Limited
- Central Mine Planning & Design Institute Ltd.
- Coal India Limited
- Cochin Shipyards
- Damodar Valley Corpn.
- Eastern Coalfields Limited
- Heavy Engineering Corpn Ltd.
- Heavy Water Board
- Hubert Enviro Care Systems (P) Limited
- Indian Oil Corporation Limited
- Jal Kal Nagar Nigam

## 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



# Sponsoring Organizations

- JV Analytical Services
- L & T TIIC
- Mahanadi Coalfields Limited
- Mangalore Refinery and Petrochemicals Ltd
- NLC India Limited
- NTPC Limited
- NMDC Limited
- Northern Coalfields Limited
- Oil India
- OTPC-ONGC Tripura Power Company
- REC-Rural Electrification Corporation
- Steel Authority of India Limited
- Synergies Castings Ltd.
- South Eastern Coalfields Limited
- Telangana Mineral Development Corporation Limited
- Tata Sponge Iron
- The South Indian Bank Ltd.
- The Singareni Collieries Company Limited.
- Tirumala Tirupathi Devasthanam
- Toshniwal Hyvac Calibration Lab Private Ltd.
- Uranium Corporation
- Visakha Refinery
- Western Coalfields Limited

## Private Sector Undertakings

- Absolute Software India Private Limited, Hyd,
- Adani Enterprises
- Adani Road Transport Limited, Gujarat
- Aditya Birla
- AMR Ltd
- Aparna Constructions
- Aparna Constructions and Estates Pvt. Ltd.
- B.S. Ispat Ltd.
- Chettinad Cements
- Earth Care Labs Private Limited, Nagpur (Maharashtra)
- Ganga Calibration Services Pvt. Ltd., Cooperation Industrial Estate, Balanagar, Hyd,
- GMP Pharma Consultants, Fairview Apartments, Habsiguda, Hyd, TS
- Honeywell Technology Solutions, Financial District, TS
- Ideal Industrial Explosives Ltd.
- Indu Projects
- Kesoram Cements
- M/s. KIWIS ECO Laboratories Pvt. Ltd., Hyd TS
- Medida Laboratories & Engineering Consultants Pvt., Ltd., Hyderabad, TS
- Meenakshi Group
- Minematics Solutions Pvt. Ltd.
- MVTC, Bhupalpally, Jayashankar, Warangal, TS

- Nagarjuna Cement Industries
- National Academy for Training and Technical Services, Hyd, TS
- Odisha Coal and Power Limited
- Orient Cements
- Packaging Clinic & Research Institute, Sec-bad TS
- Pendikanti Institute of Management, Hyd
- Perfomics Analytical Labs LLP, Hyd, TS
- Ramky Industries
- SEW constructions,
- Silicon Carbide Division, Solid State Physics Laboratory (SSPL), Delhi
- SIMCO Calibration Laboratory, Sec'bad TS
- SimSon Life Sciences Pvt Ltd., Kukatpally, Hyd,, Telangana
- Squadrone, Mining & Infra Ltd.
- Structural Solutions Pvt. Ltd., Hyd, TS
- Torrent Power
- Unistar Environment & Research Labs Pvt. Ltd.
- UP Rajakiya Nirman Nigam Ltd., Lucknow
- VK,Biosciencies Private Limited, Mallapur, Hyd,

## Universities & Engineering Colleges

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

# Profile of Director

## Education:

- **B.Tech** (Civil Engineering), **M.Tech** (Environmental Engineering) – JNTU, Hyderabad & **Ph.D** – Osmania University, Hyderabad

## Professional Experience:

- Joined **HMWS&SB** in 1981 as **Asst. Engineer / Asst. Executive Engineer**
- Held various positions and elevated to the **Director (Operations), HMWS&SB** (2014)), overseeing Water Supply & Sewerage Systems

## Key Contributions:

- Led **Krishna Drinking Water Supply (Phases I, II, III) & Godavari Drinking Water Supply Project (Phase I)**.
- Implemented **Water & Sewerage Projects** with **Environmental Impact Assessments (EIA)** as per CPHEEO, NRCO, MoEF, JNNURM, World Bank, JICA guidelines.
- **Operation & Maintenance** of Transmission Systems

## Awards & Recognitions:

- **Outstanding Service Recognition** by HMWSSB.
- **Certificate of Appreciation** from **Chief Minister of AP and Telangana** for successful completion of Water Supply Projects.
- **Best Design -Environmental Engineer 2012** from IEI TSC and **Eminent Engineer Award** from IEI, New Delhi

## Professional Memberships:

- **Fellow** – Institution of Engineers (India), Indian Institution of Technical Arbitrators, Association of Consulting Civil Engineers (India)
- **Member** – American Water Works Association, International Water Association
- **Life Member** – Indian Water Works Association, Indian Concrete Institute, Indian Building Congress, Indian Road Congress, Quality Circle Forum of India, Indian Society for Technical Education, Solar Energy Society of India, Institute of Constitutional & Parliamentary Affairs, Administrative Staff College of India

## Publications & Conferences:

- Published **60+ papers** in National & International Conferences
- Delivered **Invited Talks** at various National & International Seminars

## Association with IEI:

- 38+ years of service with **Institution of Engineers (India)**
- **Joint Hon. Secretary, IEI** (2014-2016)
- First **Hon. Secretary, IEI Telangana State Centre** (2016-2018) – Organized **220+ Events**.
- **Chairman, IEI Telangana State Centre**, and secured **Best State Centre Award** (2018-19 & 2019-20)

**Currently Serving as the Director, Engineering Staff College of India, Since August 2020 leading its strategic Initiatives and programs.**

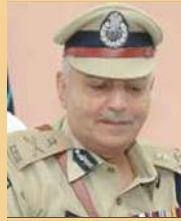


**Dr. G Rameshwar Rao, FIE**  
Director-ESCI

# External Faculty



**Dr. S. Nagabhushana Rao** - Professor & Head, Centre for Transportation Engineering, JNTU. Formerly he was Chief Engineer and Executive Director, APSRTC.



**Shri. Sandeep Shandilya IPS**- Additional Director General of Railways and Road Safety. Senior IPS officer and Additional Director General of Police



**Shri Pradeep Agrawal** - Director for NRIDA. Maintenance Management of roads, IT related projects of Pradhan Mantri Gramin Sadaak Yojna and policy.



**Dr. Venkata Dilip Kumar P** - Faculty Member at Mahindra University, École Centrale School of Engineering.



**Dr. Kalyana Rama J S**- Assistant Professor, Department of Civil Engineering, Mahindra University.



**Dr. Venkata Subba Rao Nuvusetty** - Retired Joint Transport Commissioner



**Dr. G. Padmaja** - Asst. Vice President - Designs & Product Development in M/s Kirby Building Systems Structures India Pvt. Ltd.



**Shri Agnimithra Lingampeta** - 14+ Years of experience in Project Management, NDT Retrofitting works



**Er M Satyanarayana** - Superintending Engineer, Roads & Building Department



**Dr. Sridhar Mothe** - Civil Engineer in construction industry professional with 35 years experience



**Dr. Krishna Prasad B S**- professional experience in Engineering R&D, Enterprise IT and Digital Engineering



**Dr. R. Srinivas Kumar**- Associate Professor and Addl. Chief Supt. UCE - OU Exams, Coordinator ME Transportation Engg. Programmes, Osmania University, Hyderabad.



**Dr. P. Bhaskar Mohan** - Advocate of High Court for the State of Telangana and also acting as Arbitrator and Conciliator



**Dr. Digvijay S Pawar**- Associate Professor In Civil Engineering & Engineering Science From IITH



**Dr. Ramamurthy K** - Former Chief Engineer - KSRTC, SME in ITS and ITS advisor to DULT. (Govt of Karnataka)



**Dr. A. Mallika**- Professor & Head, Department of Civil Engineering, VNR Vignana Jyothi Institute of Engineering and Technology.



**Er. Suman Kumar Gorla**- 17+ Years of professional experience in Automotive & Enterprise IT



**Dr. B Raghuram Kadali** - Assistant Professor, Department of Civil Engineering, National Institute of Technology, Warangal.



**Er. Ch. Santhosh Kumar**- as Quality Manager in M/ S Stredant Techno Pvt. Ltd. Hyderabad (Accredited Laboratory)



**Dr. Prasanta Kumar Sahu**- Associate Professor Department of Civil Engineering, Birla Institute of Technology & Science, Pilani, Hyderabad Campus.



**Er. M. Narsing Rao**- Deputy Superintendent of Police, Telangana State Integrated Command Control Centre (TSiCC) Hyderabad.



**Dr. Saladi S.V. Subbarao** - Associate Professor in the Civil Engineering Department, École Centrale School of Engineering, Mahindra University, Hyderabad



**Er. Lakkepura Mallaiah**- worked in R&B Department as Superintending Engineer. 13 years in execution & 22 years of experience in Designing of bridges, Roads & Buildings



**Dr. Rajesh Krishnan**- CEO of ITS Planners and Engineers Private Limited.



# External Faculty



**Dr. Ashok Shripati Shinde** - Deputy Regional Transport Officer, Motor Vehicle Department as AIMV, IMV, ARTO, ATC (Maharashtra State)



**Dr. Srinivas Puppala**- Dy Transport Commissioner, Adilabad Founder & Organiser Road Safety Club General Secretary, Telangana Motor Vehicles Inspectors Association



**Prof. V. Bikhshma**- is Professor, Civil, Osmania University, Hyderabad. Ex- Chairman for Indian Concrete Institute, Hyderabad Centre (ICI-HYDC)



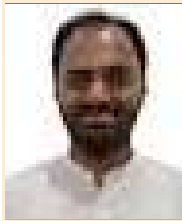
**Dr. N. Darga Kumar** - Associate Professor and Head Department of Civil Engineering, JNTUH College of Engineering, Telangana State.



**Prof. Adepu Ramesh** - Professor of Civil Engineering, Civil Engineering Department, VNR VJIE



**Dr. S.K. Gugulothu** - Assistant Professor in the Dept. of Mechanical Engineering, National Institute of Technology Andhra Pradesh



**Dr. Prasad Pokkunuri** - Associate Professor, Dept. of Mechanical Engg., École Centrale School of Engineering, Mahindra University



**Er. Kankipati Vijaya Bhasker** - Qualified as International Commercial Arbitrator of Chartered Institute of Arbitrators, UK and Arbitrator in Indian Roads Congress (IRC)



**Dr. Pooja V. Anagolkar**, - Associate Professor & HOD, Robotics and Automation, Angadi Institute of Technology and Management Belagavi, Karnataka



**Dr. Pradeep Reddy** - 25 years of professional experience in Contracts, legal issues & disputes related to Company Law, Financial Institutions, IT & Digital Laws



**Dr. M. Mukunda Vani**- Professor and Head, Department of Chemical Engineering, CBIT, Hyderabad



**Er. N. Krishna Rao** is 35 years of experience in Planning, Design and Implementation of Dam Gates.



**Mr. T. Ram Babu** - The Director in Bharat Geosystems Pvt Ltd.



**Er. Ranveer Singh Chauhan** - Chief Engineer, Uttarakhand Govt (Retd in 2013)



**Dr. K. Janakiraman** - Head - Technical with M/s. OBO BETTERMANN India.



**Er. K. Ramesh** is Presently GM, AllTerra Solutions and 20 years of extensive experience in the Surveying, Mapping and GIS Applications.



**Ms. Satya Priya** - Managing Director of PMP Training Solutions



**Dr. P. Shyamsundar** has 35 years of experience in Water Resources Development & Mgmt. sector and former DG, Water & Land Mgmt Training & Research Institute, Govt. of Telangana.



**Dr. R.N. Sankhua** - Currently working as Member, Krishna River Management Board, Ministry of Jal Shakti, Govt of India.



**Er. A. Krishna Murthy**- Former Engineerin- Chief, AP Irrigation Dept. Expertise: Water & land management, irrigation projects



**Mr. Subbarao** - Head of Agronomy for South India operations at Netafim Irrigation India Pvt. Ltd.



**Mr. B.S. Rao** - as Principal Advisor to RUBICON Water, Australia.



**Mr. H. Veeraswamy**- General Manager from The Singareni Collieries Company Limited (SCCL) in 2019



**Mr. V S Sanjay Kumar** - Principal Scientist, Head of the Traffic Engg and Safety Division of National Transportation Planning & Research Centre, R&D Centre, Govt. of Kerala.

# External Faculty

	<p><b>Mr. Murthy</b> - Technical Director for Aswartha Condition Monitoring Engineers and adviser to Vishnu Chemicals.</p>		<p><b>Dr. Ashim Kumar Bhattacharya</b> - Principal Technology Adviser, Trainer, Visiting Faculty and Consultant (Water-Wastewater-EHS-Sustainability).</p>		<p><b>Dr. Karra Ram Chandar</b> - Head -Dept. of Mining Engineering in NITK-Suratkal.</p>
	<p><b>Prof. Uday Kumar</b> - Director of Luleå Railway Research Center, Scientific Director of Research and Innovation (Sustainable Transport)</p>		<p><b>Dr. Gyanindra Kumar Pradhan</b>- Professor of Mining Engineering &amp; Dean, Faculty of Engineering &amp; Technology at AKS University, Satna, India.</p>		<p><b>Dr. Mitra</b> - Wastewater Treatment Plant, Sewage Treatment Plant, Effluent Treatment Plant, Common Effluent Treatment Plant , Water Treatment Plant &amp; Sludge Treatment projects funded by International Funding Agencies (JICA, ADB, World Bank), Govt &amp; Industry.</p>
	<p><b>Dr. P Balamadeswaran</b> - Assistant Professor, Department of Mining Engineering, Anna University, Chennai</p>		<p><b>Prof. D.P. Agrawal</b> - Chairman, UPSC, New Delhi</p>		<p><b>Mr. P Rangana-theeswar</b> - Dy. Director General. He worked as Secretary to the Board of Mining Examinations (Coal and Metal).</p>
	<p><b>Dr. H. Sarvothaman</b> - Deputy Director-General. GSI (Retd).</p>		<p><b>Dr. Pradeep Kumar Yemula</b>- Associate Professor at Department of Electrical Engineering, Indian Institute of Technology Hyderabad (IITH).</p>		<p><b>Er. A Chandra Mohan Rao</b> - His areas of expertise are in Commissioning and O&amp;M of Power Generation</p>
	<p><b>Ms. C B Hema Malini</b> worked in Bharat Electronics Ltd.(BEL), Hyd. for 35 years, main focus is in Quality Control in Electronic Warfare System for Indian Defence courses, State Police.</p>		<p><b>Dr. Yamuna Singh</b>- Visiting faculty at the Centre for Earth, Ocean &amp; Atmospheric Sciences, University of Hyderabad.</p>		<p><b>Mr. L. Sudhakar</b> - First Class Manager 's Certificate of Competency: A has a total of 30 years' experience in coal mining in various capacities.</p>
	<p><b>Dr. K. Srinivas</b> - Professor &amp; Head of Mining Department. Guindy Engg. College, Anna University, TN</p>		<p><b>Mr. A.V. Raghuram</b> - General Manager, The Singareni Collieries Company Limited (Retd)</p>		<p><b>Mr. A Ramakoteswara Rao</b> - Chief Engineer, APSEB / APTRANSCO (Retd)</p>
	<p><b>Mr. Attem Bhaskar</b> - Vice-Principal and Joint Director at Telangana Academy of Land Information and Management.</p>		<p><b>Mr. P. Mohan</b> - Working as Sr.Data Scientist at Tech Mahindra, Hyderabad.</p>		<p><b>Ms Sanchita Jindal</b> - Adviser (Scientist 'G'), Ministry of Environment, Forest and Climate Change, Govt. of India (Retd)</p>
	<p><b>Mr. N. Kannaiah Naidu</b> - Technical Advisor, M/s. Tungabhadra Steel Products. (Hydraulic Gates and Handling Equipment's).</p>		<p><b>Mr. Elpula Jaya Kumar</b>- Director of Mines Safety in 2017 He was trained in USA on the latest trends in Mine Safety &amp; Health.</p>		<p><b>Mr. Dipesh Dipu</b> - Chartered Financial Analysts of India (ICFAI).</p>



# External Faculty



**Mr. Rahul Pinnamaneni** - CEO, Founder Polygon Geospatial Pvt. Ltd.



**Dr. Patrick Anthony** - Professor at Osmania University, Hyd, Telangana State



**Dr. Mohit Gambhir** - Innovation Director, MHRD Innovation Cell, Govt. of India



**Dr. N Srinivasa Rao** - Scientist, Indian National Centre for Ocean Information Services, Ministry of Earth Sciences, Govt. of India.



**Dr. M.V.S.S. Giridhar** - Professor and Head Centre for Water Resources, Jawaharlal Nehru Technological University Hyderabad



**Prof. Srinivasulu Tadisetty** - Retired Professor and Dean, FOET from Kakatiya University, Warangal



**Prof. Dr. S. Altaf Hussain** - Director, Lords Institute of Engineering & Technology, Hyderabad



**Mr. K N V Subrahmanyam** Vice President-Operations Vas Tribology Solutions Pvt Ltd-Jamshedpur



**Dr. J V Rama Rao** - Principal Consultant for DMT India, part of TUV NORD GROUP



**Mr. Satish Kumar Lanka** - Managing Director of Rockwell Quarrying and Crushing Pvt Ltd., Hyderabad



**Dr. Prashanth Ragam** - Assistant Professor, Electronics & Communication Engineering, Kakatiya Institute of Technology and Science (KITS) Warangal (KITSW)



**Mr. P. Seenivasan** - Director, Preventers Education and Consulting Services Private limited, Hyderabad, India,



**Ms. Sirisha Indukuri** - She has worked at N R Management Consultants India Pvt Ltd



**Dr. N. Sri Chandrasah** - Dy. Manager, GTS, A CK Birla Group.



**Mr. Prathap Kumar. P** - General Manager, Coastal Projects Pvt. Ltd. (Retd)



**Mr. Mahesh Kumar. T** - Currently at Minematics, helping mining, Construction and Manufacturing Companies to gain visibility of operations



**Mr. B.R.V. Susheel Kumar** - Vice Chairman & Managing Director, Telangana Mineral Development Corporation Limited.



**Mr. Jayesh K.S.** - Experience in managing complex programs/ products and leading teams across global environment.



**Dr. Balasubramanian. E** - PhD in the field of Robotics and Control at Concordia University, Montreal, Canada.



**Mr. D.B. Kulkarni** - Design of Rotating Machines, Rotor Dynamics and Condition Monitoring.



**Mr. Arvind R** - Assistant Director / Deputy Director, National Academy of Construction (NAC) Hyderabad



**Er. Mohammed Asgar** - Sr.Project Manager, Smart Grid /Smart metering Integration & SCADA Implementation, Utilities interaction, IOT, MDAS.



**Er. Gopichand. J** - as Senior Consultant in WEIR Minerals India, Bangalore, a Group Company of WEIR, UK. General Manager from BHEL, Hyderabad (Retd)



**Mr. G. Sudarshan** - Former Regional Director, Central Ground Water Board, Ministry of Jalshakti (MoJS), Government of India,



# External Faculty

	<p><b>Mr. K. Maruthi Prasad</b> - 36 years of various Govt. Organisations ... Chemistry R&amp;D, Archeological Chemistry, Explosives, Environment, Water Resources, etc. Presently taking care of NABL Accredited Laboratory.</p>		<p><b>Er N Ravi Chander</b> - 36 years of experience in Strategic Planning, Long Range Planning as well as in Operation and Project Monitoring.</p>		<p><b>Dr. Baby Akula</b> - Professor, Dept. of Agronomy, Professor Jayashankar Telangana Agricultural University</p>
	<p><b>Mr. M.K. Srinivas</b> - 36 years of experience in the field of Water Resources Development &amp; Management.</p>		<p><b>Er. M. Rama Mohan</b>- 45 + yrs. Expert in Training and Capacity Building in Rural Water Supply and Sanitation Sector. Former Chief Engineer, RWS&amp;S Dept, Govt. of A P.</p>		<p><b>Dr. Umamaheswara Rao. B</b> - Former SCIENTIST -D (RETIRED, CENTRAL GROUND WAATER BOARD).</p>
	<p><b>Dr. Chandrasekhar. V</b>- Empanelled Expert, ESCI. CEO- Fusion Technologies. Director, Lex - Q - Certifications and Executive Director - Lex Nimble Solutions Limited.</p>		<p><b>Dr. Rama Raju. P</b> - 43 years of techno-managerial experience in Water Resources Development and Management Sector</p>		<p><b>Mr. Devendra Singh. D</b>- 34 Years of Professional Experience In Water And Sewerage Management Sector.</p>
	<p><b>Mr. V.K. Sridhar</b> - Assistant Professor in the department of mechanical engineering at GITAM</p>		<p><b>Dr. S.V. Dahasahasra</b> - former Member Secretary of Maharashtra Jeevan Pradhikaran, Mumbai. He is former president of the Indian Water Works Association.</p>		<p><b>Dr. S. Sundarrajan</b> - Distinguished Scientist (retd) from DRDL, Hyderabad. He was a Director, NIT Trichy.</p>
	<p><b>Wg. Cdr. Dr. Prof. A. Kamalakar</b>-Visiting Professor, UGC, HRDC &amp; NALSAR University. Faculty Devp. Programmes for Senior Managers of PSUs, Private Industry, Scientists &amp; Engineers of DRDO, Sr. Faculty, DIAT, DRDO &amp; University Faculty.</p>		<p><b>Prof. Arun Kumar</b> - Independent Director, Board of NHPC Ltd, Govt. of India (2015-2019). He has been elected Board of International Hydropower Association (2021 - 23).</p>		<p><b>Dr. Kalyana Chakravarthi</b> - He is Certified as Direct Trainer Skills (DTS) by Thames Valley University (UK) and DoPT, Gol, 2020.</p>
	<p><b>Mr. M Uday Kiran</b> - Network and Security industry since last 18 years, with major MNC like ADP, Dimension Data -London</p>		<p><b>Mr. Akula Ajay Kumar</b> - Strategic management professional with 17+ years of experience in IT solutions for business analytics and digital transformation, AI/ML projects.</p>		<p><b>Dr. Pendiala Venkata Indrasena Rao</b> - 40 years of Experience in Quality, Project Development, Standardization in Industry, Govt. Admin., Auditing, Inspection, Training in Mfg. and Service Sector,</p>
	<p><b>Mr. P.S.S. Hanumantha Rao</b> - Additional General Manager Quality Assurance in USHA International Limited, Balanagar, Hyderabad.</p>		<p><b>Major (ex) Shiva Kiran</b>- President and founder of SukukiExnora, a NGO in the area of Solid Waste Management</p>		<p><b>Mr. J. N. Karamchethi</b>- Vice President (Operation &amp; Maintenance) of a Manufacturing company. Certified Energy Auditor</p>
	<p><b>Mr. G. Karthik</b> - Executive Officer &amp; Associate Research Professor for Eudoxia Research Centre and Global General Secretary of International Electronic Device Development Association.</p>		<p><b>Mr. Ashok Apsingkar</b> Former General Manager, Corporate Quality in Bharat Dynamics Limited,</p>		<p><b>Mr. R.V. Chalapathi</b> - Chief Engineer in APSPDCL, Kothagudem Thermal Power station &amp; 18 Years in Operation &amp; Distribution in APSPDCL.</p>

# External Faculty



**Mr. Harjeet Singh Kalsi** -  
Jt. Managing Director, BGGTS (BHEL-GE JV) and President, BHEL Education Society, Vice Chairman of Bhartiya Vidya Bhavan Public School.



**Dr. Ravi Kumar Gopaluni**  
Senior First Aid Trainer (more than 20 years' experience in training people in first aid and emergency management)



**Er. Pentayya Polagani** -  
35 years of experience in Power Sector with prestigious organizations like CEA and RLDCs and retired from POSOCO



**Prof. P. G. Sastry** -  
Director & Head, Learning & Development, for Ramky Group, Hyderabad Director to WALAMTARI in irrigation department under govt. of India.



**Mr. Kondala Rao. G** -  
38 yrs. experience of Public Health & Municipal Engg. Dept., Irrigation Dept. of Govt. of AP and Consultancy in GoMP,



**Dr. Raman Saravanane** -  
Chairman, IEI, Puducherry State Centre. Professor & Heading Civil Engg Dept Pondicherry Engg College, PEC.



**Dr. A. Gangagni Rao** -  
Chief Scientist and Professor of Engineering sciences in CSIR-IICT, Hyderabad.



**Mr. M. N. Thippeswamy**  
Retired as a Engineer-in-Chief in Bangalore Water Supply and Sewerage Board



**Mr. K V H Rao** - Retired Additional General Manager (AGM) from the Corporate R&D of BHEL.



**Er. P. Narender Kumar** -  
Worked for 40 years in Power sector's Generation, Transmission and Distribution wings, in the areas of Project, Construction, Maintenance.



**Er. Shubhendu Mukherjee** -  
His experience area are Power Generation: Thermal, Power Market: Design, Operation, Surveillance Regulatory affairs.



**Mr. B Prahlad** - He clocked 36 years of experience in Dept. of Atomic Energy (DAE) in various fields of Engg & Tech.



**Dr. V Balaram** -  
He is an Emeritus Chief Scientist and Head, Geochemistry Division, NGRI, India.



**Prof. D. Venkat Reddy**,  
HOD Civil, Engineering, National Institute of Technology, Karnataka (NITK). (Retd)



**Dr. K. Shashikanth**, -  
Professor in the Department of Civil Engineering at Osmania University



**Mr Syed Imtiaz Hussain**-  
Dy. Director General (Retired), Directorate General of Mines Safety



**Dr. M. Gopal Naik** -  
Senior Professor in the Department of Civil Engineering, University College of Engineering (Autonomous), Osmania University, Hyderabad.



**Mr P Kumar** - He has good experience in opencast projects, Implementation of TPM activities, HRD, OTR tyre management.



**Mr Bhaskarudu Peddakotla** -  
40 Years of industrial experience in product support / aftermarket support, customer engagement, effective implementation of all customer loyalty metrics.



**Mr Dinakar Danavada**-  
renowned faculty in Surveying with 17 years of extensive experience and mining software professional,



**Dr Kaushik Sarkar**, -  
Medical Inspector of Mines cum Certifying Surgeon, Directorate General of Mines Safety, Ministry of Labour and Employment and Director of Mines Safety (OH).



**Dr P Siva Ram**- National Water Expert of Jal Jeevan Mission, Ministry of Jal Shakthi, Govt. of India and Former Professor and Head, CRI, NIRDPR, Hyderabad.



**Dr. Pandith Madhnure** -  
Former Director, Ground Water Department. 30 years in Earth, Atmosphere & Environmental Science and worked in different terrains of India



**Er. Y. Bhanu Prasad** is Presently Managing Director, Savant Instruments Pvt Ltd and 25 years of experience in water & waste water instrumentation, SCADA Systems.



# External Faculty

	<b>Dr. Chandra Sekhar</b> - Professor in Civil Engineering at NIT Warangal. Expertise in Water Pollution, Waste Water Treatment		<b>Er. Sushil Kumar Soonee</b> - Fellow of IEI & IEEE, Founder CMD, POSOCO and Advisor, Electrical Engineering Honours graduate from IIT, Khargapur.		<b>Dr. N.K.V. Roop Kumar</b> Areas of Interest: Life Insurance, Risk Management, Data Protection, Business Continuity and Cyber Risk
	<b>Ms Suseela Kanduri</b> - She is an Executive Committee Member in Telangana Commerce Association, Life member in American Marketing Association,		<b>Dr. A P Natarajan</b> - Professor Psychology with Madurai Kamraj University. Visiting Professor, Harvard University (U.S) and OU, JNTU, Annamalai University.		<b>Dr S Jayanthu</b> - Professor, Mining Engineering Department of National Institute of Technology, Rourkela,
	<b>Mr Gorle Appa Rao</b> - Assistant General Manager, Corporation Bank,		<b>Er. S.Rama Prasath</b> - as Joint Director &Head of Division, Diagnostic, Cables & Capacitors Division Central Power Research Institute, Bangalore.		<b>Mr. Sreekanth Vanga</b> - 12 years of professional experience in conceptualizing, ideating, designing, and branding web pages and web solutions
	<b>Mr. Bhaskar Kannoju</b> - CEO & Founder Adepto Geo Informatics Pvt. Ltd.		<b>Dr. Anurag B Singh</b> - Certified trainer for Govt. e- Marketplace. 10 years experience in Public Procurement and Govt Accounting as faculty in National Institute of Financial Management		<b>Mr. Surendra Kumar</b> - Former Director & OS, ARDE, DRDO, Pune. Director (Independent), Board of Directors, HAL
	<b>Er. E. Nanda Kishore</b> - General Manager in NTPC. He has 30 years of wide experience in Human Resource Management & Employee Development - Training Need Analysis, Competency Mapping, Assessment, etc.		<b>Mr. A DhananJaya Rao</b> - chief executive officer, Spark Analytics at Hyderabad. Experience in various chemical laboratories in Hyderabad & Chennai.		<b>Mr. Karthik Shankar. S</b> - Head- Digital Technology Solutions, GTS India
	<b>Mr V. Lakshmi Narayana</b> - Dy. Director General (Retired.), DGMS		<b>Mr Manish Sinha</b> - Executive Director (Retired.) under Business Development Group of Indian Oil Corporation Limited		<b>Er. T. Prabhakara Rao</b> is Former Engineer-in-Chief RWS & S Department, Govt. of Andhra Pradesh and 40+ years of experience in Planning, Design & Implementation of Rural Water Supply Systems.
	<b>Dr M S Venkataramayya</b> - Director, Vensar Construction Company Limited.		<b>Prof. M.R Madhav</b> Emeritus Professor for JNTUH, IIT Hyderabad, retired from IIT-Kanpur.		<b>Mr. Prasanna Guntur</b> has 20+ years of industry experience. He is a Cybersecurity professional
	<b>Dr. Kanneganti Ramesh Babu</b> - Founder/Director at Center for Human Security Studies Areas of Specialization and Research Interests Internal Security & Foreign Policy of India		<b>Shri S. Umapathi</b> IPS served AP state for 43 years, he joined Police Dept. 1977. During the long service he served as a Sub Divisional Police Officer in 5 sub divisions		<b>Mr. Pramod Chintapenta</b> - Co-founder, Futurely Inc, fAight Club



# Recent Activities



Dr G Rameshwar Rao welcoming Mr A Revanth Reddy, Honorable Chief Minister, Govt. of Telangana, Mr D Sridhar Babu, Minister of IT, Govt. of Telangana, on his visit to ESCI on 8 July 2024



World Water Day Theme: Water for Peace on 22 Mar 2024



Industry & Academia Interaction Programme on 14th August 2024



10th International YOGA Day 2024 Theme: "Yoga for Self and Society" on 21 Jun 2024



Coffee Table Book release by Sri D Sridhar Babu, Minister of IT, Govt. of Telangana, during International Start-up Festival - 2024 (26 - 28 Sep'2024)



# Recent Activities



Skill Convocation Ceremony on 28th November 2024



International Conference on Innovation in Engineering & Technology for Sustainable Development (28-29 Nov 2024)



All India Medical Conference of Indian Medical Association (27 - 28 Dec 2024)



3rd Convocation Ceremony by SPGS on 3rd January 2025



Induction Training for Newly Recruited Junior Assistants (P&A / F&A) of HMWSSB on 9th January 2025.



Naimisam Earth Festival 2025 on 9 Feb 2025



Dr. G. Chinna Reddy, VC, TG Planning Board for valedictory of "National Seminar on Artificial Intelligence & Digital Technologies" - 25 Feb 2025



Confederation of Women Entrepreneurs of India – COWE "Empowering Women Entrepreneurs for Global Impact" – from 28 Feb – 01 Mar 25



“Creating Managers to make the World a place for Quality living”



# ENGINEERING STAFF COLLEGE OF INDIA

Autonomous Organ of the Institution of Engineers (India)

## School of Post Graduate Studies



Admissions are open for 2025-27 Batch

**AICTE APPROVED TWO-YEAR FULL-TIME PROGRAMMES**

### PGDM Infrastructure Management

Specializations Offered

Civil | Transportation | Power  
Telecommunication | IT

### PGDM - General Management

Specializations Offered

Finance | Marketing | Business Analytics  
HRM | Operations | IT

### ELIGIBILITY

**PGDM Infrastructure Management** - Any recognised Bachelor's Degree in Engineering / Technology degree with a minimum 50% marks or equivalent in CGPA grading system

**PGDM General Management** - Any recognised Bachelor's Degree in Arts, Commerce, Science, Management or any equivalent degree with a minimum 50% marks or equivalent on CGPA grading system

### QUALIFYING EXAM

Candidate with qualified score in CAT/MAT/ATMA/XAT/CMAT/ICET or any other state-level Management Aptitude Test. As per AICTE guidelines.

### SELECTION PROCESS

Group Discussion, Personal Interview and qualified score in any Management Aptitude Test.

## Salient Features

- ★ Industry interface and cutting edge curriculum.
- ★ Perfect blend of Management and Technology Education.
- ★ Intensive Industry Internship Programs.
- ★ World Class Infrastructure
- ★ Mentoring from Industry Experts
- ★ CRT Programs
- ★ Highly qualified faculty with rich industry experience
- ★ Education Loan facility from reputed Banks

Learn at **ESCI**  
Inspire others

100% Placement Assistance

Merit Scholarships

## ESCI Alumni in...



### ESCI - SCHOOL OF POST GRADUATE STUDIES

Gachibowli, Hyderabad - 500 032. Telangana Ph: 040 - 66304177 / 4188 / 4182 | Mobile : 7337319017, 7337319016



## Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)

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

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



Name of Department	Phone Number	Email Id
Administration	040-66304144	capadmn@escihyd.org
Hostel In-charge	040-66304149	hostel@escihyd.org
Enrolments in Training Programme	040-66304128	mis@escihyd.org
ESCI - SPGS	040-66304178	spgs@escihyd.org
ES to Director	040-66304102	es_dir@escihyd.org
Reception	040-66304100	info@escihyd.org

### Access ESCI through Social Media

- <https://www.facebook.com/ESCIHyd/>
- <https://twitter.com/ESCIHyd>
- <https://www.linkedin.com/in/esci-hyd-76a402179/>
- ESCI App - available for android mobiles

Contact Details : (Working Hrs: 09:30am to 05:30pm)