

ESCI

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DIRECTOR'S DESK

"UNVEILING INNOVATION" INAUGURATION OF IEI CENTENARY CONVENTION CENTRE

The Engineering Staff College of India (ESCI), an autonomous organ of the Institution of Engineers (India), has played a pivotal role in providing advanced training and consultancy services since its establishment in Hyderabad in October 1981. With 12 divisions dedicated to diverse engineering disciplines, the ESCI has grown into a key center for knowledge dissemination and professional development. The ESCI actively contributes to the engineering community by hosting National Conventions and organizing prestigious events like the Indian Engineering Congress.

To cater to the growing demand for National and International Conference and Convention in Hyderabad, the ESCI has constructed a state-of-the-art IEI Centenary Convention Centre within the ESCI Premises over an area of 71,351.67 sq.ft constructed in three floors. The Ground Floor is having with a facility of Auditorium with 800 seating capacity and Outdoor & Indoor exhibition areas.

The first floor of the Centenary Convention Centre features two well-equipped lecture halls designed to support a variety of Academic and Professional training sessions and on the second floor, the ESCI

Techno-Hub has been developed offering modern amenities including two large seminar halls and a co-working space facility to accommodate 180 individuals. This Techno-Hub is tailored to support young engineers, entrepreneurs, and innovators, fostering collaboration and creativity in emerging technologies.

Sri D.Sridhar Babu, Hon'ble Minister for IT & Industries, Govt of Telangana has inaugurated the newly built IEI Centenary Convention Centre on 26th September, 2024 in presence of Dr. G.Ranganath, President IEI & Chairmen, BOM-ESCI and various other dignitaries and IEI Council Members.

A three-day prestigious "International Start-up Festival" (IFS-2024) Where Visionaries Ignite the Future was held in the newly inaugurated IEI Centenary Convention Centre from September 26-28th 2024 attracted numerous delegates from across the globe created a vibrant platform for Entrepreneurs, Innovators, and Industry Leaders to engage and exchange ideas and to explore emerging trends in the start-up ecosystem. Over the course of the festival, participants had the opportunity to attend insightful sessions, network with international experts, and showcase innovative solutions, reinforcing the Centre's role as a hub for global collaboration and technological advancement.

With best regards,
Dr. G. Rameshwar Rao, FIE

Events at ESCI

CIVIL & TRANSPORTATION WING



1. A Five Days Training program conducted on "**Advanced Programme -Planning, Design & Construction of Long Span Bridges**" - Sponsored by NRIDA, Ministry of Rural Development, Government of India, New Delhi from 02 - 06 September, 2024.

Total 43 Engineers attended for this Training Program from various states of the country like Andhra Pradesh, Arunachal Pradesh, Chhattisgarh, Karnataka, Kerala, Meghalaya, Mizoram , Sikkim West Bengal etc..Total 21 states PMGSY employees attended this training Programme

2. A Five Days Training program on - "**Planning, Design and Construction of Minor Bridges and Culverts**" - Sponsored by NRIDA, Ministry of Rural Development, Government of India, New Delhi" - Sponsored by NRIDA, Ministry of Rural Development, Government of India, New Delhi was conducted from 23 - 27 September, 2024



Total 42 Engineers attended for this Training Program from various states of the country like Andhra Pradesh, Arunachal Pradesh, Chhattisgarh, Karnataka, Kerala, Meghalaya, Mizoram , Sikkim West Bengal etc..Total 23 states PMGSY employees attended this training Programme

3. Engineering Staff College of India, Civil & Transportation Engineering Division organized Five Days Training program on "**New Technology Initiatives (FDR technology, Surface Dressing, Cell filled concrete, Panelled cement concrete etc.) in Rural Roads including use of marginal materials**" - Sponsored by NRIDA, Ministry of Rural Development, Government of India, New Delhi 09 - 13 September, 2024 (5 Days)



Total 34 Engineers attended for this Training Program from various states of the country like Andhra Pradesh, Arunachal Pradesh, Chhattisgarh, Karnataka, Kerala, Meghalaya, Mizoram , Sikkim West Bengal etc..Total 18 states PMGSY employees attended this training Programme

4. Five Days "**Refresher Training Programme on Advanced Construction Material in Concrete Technology**" for MES CGOs and Officers of Corps of Engrs 23 - 27 September, 2024 conducted by CTE Division.

Events at ESCI



Total 17 Engineers attended for this Training Program from various states of the country.

Management & Technology Division

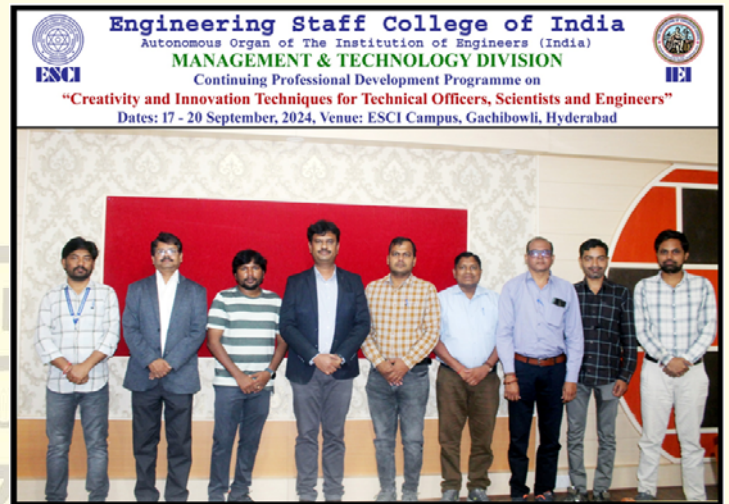
1. The Management & Technology Division has conducted the 5 day Hybrid CPDP on "**Non-Destructive Testing and Failure Analysis of Castings, Forgings, Weldments and Tubes**" from 09 – 13 September 2024 at ESCI Campus, Hyderabad.



13 participants were attended from GSECL Vadodara, HQ-DQA (N), DGQA, New Delhi, QAE (N), Kolkata, Northern Coalfields Limited, Singrauli, QAE (EFS) Chennai, QAE (WE) New Delhi & CEMILAC DRDO Bangalore etc.

The Expert Speakers: Mr. LV Ramarao, Dr. KGK Murti, Mr. P. Mallesh & Mr. K. Krishna Murty handled the programme successfully.

2. Management & Technology Division has also conducted a 4 day Hybrid CPDP on "Creativity and Innovation Techniques for Technical Officers, Scientists



and Engineers" from 17 - 20 September 2024 at ESCI Campus, Hyderabad. 08 participants were attended from GSECL Vadodara, ADA DRDO Bangalore and QAE (N), DGQA Kochi etc.

The Expert Speakers: Mr. P. Mohan, Mr. HS Kalsi and Mr. YVN Phani kishore were handled the programme successfully.



3. Management & Technology Division has conducted another 5 day Training Programme on "NDT Level - II Certification on Visual Testing (In accordance with ASNT Document No: SNT-TC-1A 2020) for Officials of Naval Dockyard, Mumbai" from 23 - 27 September 2024 at ESCI Campus, Hyderabad. 15 officials were attended from Naval Dockyard, Mumbai, Maharashtra.

The Expert Speakers: Mr. LV Ramarao, Mr. P. Mallesh, Dr. KGK Murti and Mr. Rengaraju were handled the programme successfully

Events at ESCI

Mining Division

1. Information and Events pertaining to the Mining Division for the month of September 2024 - Reg. Er. K J Amarnath attended the "Friends of Austrade Dinner Reception" on Monday 30 September 2024 at Taj Deccan, Hyderabad. Dr Monica Kennedy, Head of Austrade, South Asia and Minister (Commercial) addressing the gathering at the meet.



Er K J Amarnath with Mr Vik Singh, Trade and Investment Commissioner and Consul Commercial, Australia and Mr N Durga Prasad, Vice President, AMR Group, Hyderabad

Power & Energy Division

1. A 3-Day CPDP on " **Flexibilization of Thermal Power Plants**" conducted from **03– 05 Sept., 2024** in which 15 members are (3-CEA, 2-APGENCO&1-TANGEDCO 6-NLC, 3-IL& FS) participated in it.

During the three days training programme, the issues related Current Power & Energy Scenario of India, Need for Flexibilization of TPP, Barriers, Manifestation, Cost of Flexibilization, low/ minimum load operation, Ramping, Impact on Pressure Parts due to flexibilization-Creep & Fatigue, Modifications to be carried out in Units for efficient flexible operations,



Issues in Flexibilization, Advanced Unit Control Concepts, Impact of flexibilization on Plant life, 2-Shift Operation, Reserve Shut down of Units, Some useful tips based on experiments & experiences, Other options to minimize flexibilization in Coal based Thermal Power Plants have been discussed in length.

Dr.P.Koteswara Rao, E.Nanda Kishore, Ex.GM,NTPC, R.Ramachandra Rao Ex.GM, NTPC, I.Siva Shankar Reddy Ex.AGM, NTC have delivered lectures

2. A CPDP held on "**CEA Regulations-2023 & Electrical Safety Procedures & Accident Prevention**" for MSETCL Engineers conducted at ESCI from **09-13 Sept., 2024** in which 15 participants from MSETCL are attended.

Basic Principles of Safety, Safety Concepts, Maintenance Strategies of Transmission lines & Substation equipment for improving Safety, Different kinds of Maintenance Philosophies such as RCM Predictive Maintenance, Latest trends in Maintenance for enhancing the Safety levels, IE Act, 2003, Statutory Rules & Electrical Safety- CEA Regulations-2023 on Safety Procedures, Earthing Systems, Testing Procedures of Earthing, Electric shocks, Electric Fires, Power Cables & Cable joints, Safety are discussed in the five day programme.



Implementation of SCADA in Power Distribution System, Deployment of Smart Meters- Technologies, issues in implementing SMs in Discoms & Associated issues have been discussed.

Later, a Visit to SCADA Control Centre & Smart Grid Simulator at SE, SCADA, TGSPDCL office has been arranged.

The eminent faculty Sri EM Chakravarthy, DE, TGSPDCL, U.Vidya Sagar, HoD (P&E), Dr.A.Manikyala Rao, Rajkumar Singh, St. Ambulance, Guru Kiran D, Sonel Instruments Ltd, Shaik Karim, DFO, DM& FS,TG are delivered lectures . As a part of this training, a Demonstration of Multi Function Meter & Earth loop Tester has been arranged.

3. P& E Division, conducted a 4-Day CPDP on " Power System Protection- Principles, Protection Relays & Fault Analysis" from 10- 13 Sept., 2024 in which 16 participants (NMDC, OTPCL, NTPC, CSPTCL & TATA POWER)have participated in this trg. Program. Dr.PV Satya Ramesh, Dr. A.Manikyala Rao, B.Neelkantham, DE, TSTRANSCO, Ch. Chakrapani, CE, TGSPDCL, A.Kamesh, CE, TGSPDCL, Shyamala Venkataraman, GM(R&D), P.Narendra Kumar have delivered lectures in this Trg.program.

IEI NATIONAL COUNCIL MEETINGS AT ESCI

FROM 20-22 SEPTEMBER, 2024

The Institution of Engineers 727th meeting of the Council, 152nd Meeting of the Committee for Advancement of Technology & Engineering, and also the 80th Meeting of the Centers Coordination Committee (CCC) meetings are held in the Engineering Staff College of India premises from 20-22 September, 2024. Dr.G. Ranganath, President of the IEI chaired all the meetings and Sri VB Singh elected as New Chairmen of the IEI

ENGINEERS ARE CHALLENGING HUMAN INTELLIGENCE



The Engineering Staff College of India has celebrated the Engineers Day on 15th September, 2024 by paying tributes to the statue of Bharat Ratna Mokshagundam Vishvaishwaraya situated in the ESCI Premises.

Speaking on occasion, Dr. G. Rameswara Rao, Director ESCI has highlighted the significance of Engineering Technology emphasizing that about 15 Engineering Disciplines including Space technology, Civil, Mechanical, Chemical, and Electronics Engineering have been nothing short of remarkable and expressed optimism that the pace of innovation will only accelerate in the future. They are playing a

pivotal role in advancing global progress.

He proudly stated that ESCI is the only institution in South Asia that provides comprehensive training in a wide range of engineering subjects, contributing significantly to the field's growth and development.

On occasion, all the HoDs, Faculty and staff including Dr.CS Krishna Prasada Rao, Dr. PVSS Sridhar, Dr. Vidya sagar, Dr. RSS Prasanth, Dr.Chandra Kala, Dr.Adinarayana, Dr.A.Jagan Mohan Reddy, Principal, SPGS, College Chiefs S.Laxmikanth Rao and KJ Amarnath paid floral tributes to MV Sir.

Events at ESCI

Quality & Productivity Division



- 1) The Quality & Productivity division has conducted 2 days CPDP Training Program on Disciplinary Proceedings from 05 - 06 September, 2024. The objectives of the Programme are to understand the need for Disciplinary Proceedings, to appreciate the role of the Disciplinary Authority. The programme was attended by 8 Participants from SBC, Visakhapatnam, IIT Roorkee, DMRL, Hyd, SQAE(A), SQAE(E&S), and CQAE(N).



- 2) The 3 days CPDP Training Program conducted on Industry 5.0 Quality Aspects from 25 – 27 September, 2024. The objectives of the Programme are to understand Industry 5.0 components such as Automation, data Exchange, cloud, Cyber-physical systems, robots, AI, Big Data, Deep Machine Learning, and Internet of Things. This training programme was explore the impact of learn manufacturing, cloud computing, cyber security, IoT etc.

"SWACHHATA HI SEVA" CAMPAIGN

The Ministry of Road Transport and Highways, GoI has advised the Engineering Staff College of India, Hyderabad which is one among Eleven Training Institutions across the country to participate under Swachhata campaign-2024. Swachhata Hi Seva - Sanskar Swachhata.

The Civil and Transportation Engineering Division of the ESCI has initiated the campaign. In the first phase on 18th September, 2024, all the employees of ESCI participated enthusiastically in the Cleanliness Drive of the entire College Campus, the surrounding areas and open yards and disposal of waste materials.

As part of the same programme, a Plantation was arranged under "EK Ped Maa Ke Naam" on 20th September and finally on 24th September, the Sachhata Pledge was administered by the Director to all the ESCI Staff Members. On the occasion, Dr.G.Rameshwar Rao, Director ESCI has said that the Trees will provide clean air and shade apart from the providing fruits and vegetables and help to mitigate the pollution, which are essential for human survival.

All the HoDs and staff of ESCI participated wholeheartedly in all the these programmes and making it an effective campaign

Teacher is higher than Himalayan Mountains. Their services are invaluable. Dr. G. Rameshwar Rao, Director, ESCI on Teacher's Day

Engineering Staff College of India has celebrated the Teachers Day on 5th September, 2024 on the occasion of Dr. Sarvepally Radhakrishnan birthday. Speaking on occasion, the Director of the College Dr. G.Rameshwar Rao said that the teacher who taught us education and the culture of education is equal to the Trinity. After the parents, Teacher are only has the place in creation.

Everyone who is in high places today is attributed to the teachers who taught them from their childhood classroom stage to their college studies. The Doctors, Engineers, Scientists and Lawyers have all grown up because of the teachings of Teachers. Before start the function, the Director and other HoDs, Faculty and staff have paid floral tribute to Dr. Sarvepalli Radhakrishnan's portrait.

Events at ESCI

INAUGURATION OF A NEWEST ARCHITECTURAL MARVEL- A STATE-OF-THE-ART" IEI CENTENARY CONVENTION CENTER AT ESCI PREMISES.



Sri D.Sridhar Babu, Hon'ble Minister for ITE&C, Industries & Commerce, Govt of Telangana inaugurated the IEI Centenary Convention Center at ESCI premises on 26-9-2024 in presence of Dr.G. Ranganath, President IEI and other Dignitaries.

GANESH IMMERSION CELEBRATIONS IN ESCI



After Laddu Action, the ESCI Group photograph at Vijaya Ganapathi Temple in ESCI Premises

The Ganesh Immersion celebrations at the Engineering Staff College of India concluded with much fanfare and jubilation. The Ganesha statue installed in the Vijaya Ganapati temple in the college premises on Vinayaka Chavithi day on 7th September, 2024 was immersion on 13th September after 7 days. The College staff, students from SPGS participated in the immersion programme held at the Malkam Cheruvu near Khajaguda.

Before Immersion, Dr. G. Rameshwar Rao, Director, ESCI and other senior officers have performed Pooja and addressed the gathering that these celebrations will indicate the National Integrity and reflects Unity and Solidarity.

NURTURING THE NEXT GENERATION OF LEADERS ORIENTATION PROGRAM FOR THE SPGS STUDENT'S NEW BATCH

The ESCI Since its establishment in 1981, played a pivotal role in shaping professionals across various sectors. One of its key divisions, the School of Post-Graduate Studies (SPGS) was founded in 2008 with a mission to bridge the gap between corporate expectations and the skills of fresh graduates. On 10th September, 2024, the ESCI-SPGS hosted the orientation program for the new batch of PGDM students (2024-26), "kIckstart to Success" marking the beginning of their academic journey.

Dr. A. Jagan Mohan Reddy, Principal of ESCI-SPGS, warmly welcomed the students and emphasized the institute's commitment to not only imparting knowledge but also molding students into successful professionals and responsible citizens. Dr. G. Rameshwar Rao, Director of ESCI, highlighting the objective of SPGS-to bridge the skill gap between academia and industry. He assured students that the institute takes every measure to nurture them, including organizing industry visits, workshops, and seminars. Dr. Rao highlighted the importance of developing practical skills and noted that, in addition to the core faculty, industry experts are invited to share their valuable insights with students, providing them with a real-world perspective

Sri S. Umapathi IPS (Retd.), former Inspector General of Police, United Andhra Pradesh, and the chief guest of the event inspired the students with his keynote address. He introduced the mantra of "learning, unlearning, and relearning," emphasizing the need for continuous growth. Sri Umapathi highlighted that, with only one-third of our time available for self-development. Students must focus on enhancing their inner capabilities. During a lively interaction session, he engaged students on topics such as conduct, character, honesty, integrity, and the importance of attitude and environment in their personal and professional lives.

Conclusion The orientation program at ESCI-SPGS set a strong foundation for the new batch of PGDM students, providing them with valuable insights and encouragement from industry experts and academic leaders.

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