



Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)



Schedule of Continuing Professional Development Programmes

Domain	Page No
➤ Centre for Climate Change	02
➤ Civil & Transportation Engineering	03
➤ Environment Management	04
➤ Information Technology	06
➤ Management & Technology	07
➤ Power & Energy	09
➤ Quality & Productivity	11
➤ Water Resources Development	12
➤ Design and Prototyping Cell	13
➤ Faculty Development Cell	14
➤ Certification Programmes	16

Centre for Climate Change

No.	Programme Title	Days	Dates
1	Climate Indicators in Disaster Risk Management - Urban Flooding	3	02 - 04 May
2	Restoration & Management of Urban Lakes Participatory Approaches	3	16 - 18 May
3	Pollution Control – Application of Bio-Engineering Techniques in Mining Industry	3	12 - 14 June
4	Promoting Climate Resilient Industrial Estates	3	16 - 18 July
5	Principle and Practices in Lift Irrigation Projects – Climate Mitigation	3	21 - 23 Aug.
6	Principles and Practices of Climate Adaptation – Livable Smart Cities.	3	26 - 28 Sept.
7	Disaster Risk Management – Climate induced Disasters	3	10 - 12 Oct.
8	Principles and Practices in Portable Water Supply Systems – Climate Adaptation	3	14 - 16 Nov.
9	CSR Initiatives – Sustainable Business Strategies	3	17 -19 Dec.
10	Urban Lakes - Restoration and Management	3	22 - 24 Jan.
11	Relevance & Importance of Urban Forestry Climate Mitigation & Adaptation	3	13 - 15 Feb.
12	Climate Resilient Smart Cities & Urban Heat Islands	3	13 -15 March

Special Programs : 2018 - 19

No.	Programme Title	Dates	Remarks
1	All about Climate Change	20 April	World Earth Day
2	Climate Change and Health Care	25 - 26 April	World Malaria Day
3	Climate Change Impact – Biodiversity	22, May	World Biodiversity day
4	Climate Change – Environment & Sustainable Development	5 & 6 June	World Environment Day
5	Principles and Practices of Source Water Management – Climate Change	18 Sept.	
6	Global Climate Change Impact on Natural Resources Management	3 - 4 Oct.	International Migratory Bird Day
7	Career Opportunities in climate change	September	Certificate course
8	Green Infrastructure and Greening the Supply Chain	October	STP – IIIC,GTZ
9	Urban Flash Flooding – Disaster Risk Reduction and Management	December	STP - International Conference

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

Civil / Transportation Engineering

No.	Programme Title	Days	Dates
1.	Destructive & Non Destructive Testing Methods for Civil Engineering Structures	4	24 – 27 April
2.	e-Procurement in Engineering Projects	3	01 – 03 May
3.	Contract Management and Dispute Resolution in Engineering Projects	5	07 – 11 May
4.	Use of Fly Ash in Civil Engineering Works	4	22 – 25 May
5.	Effect of GST in Civil Engineering Projects	3	29 – 31 May
6.	Project Management in Construction Industry	4	05 – 08 June
7.	Geo-Synthetics & Reinforced Soil Structures	4	19 – 22 June
8.	Pavement Management Systems (Flexible, Composite and Rigid)	4	26 – 29 June
9.	High Rise Buildings – Planning, Construction & Maintenance	4	10 – 13 July
10.	Testing of Civil Engineering Materials	4	24 – 27 July
11.	Quality Management in Building Construction	5	06 – 10 Aug.
12.	Leakages and Water Proofing Treatment in Buildings	5	20 – 24 Aug.
13.	Intelligent Transportation System	3	28 – 30 Aug.
14.	Soil Investigations & Ground Improvement Techniques in Infrastructure Development	3	05 – 07 Sept.
15.	Bridges & Culverts – Planning, Design and Construction	4	25 – 28 Sept.
16.	Concrete Mix Design & Acceptance Criteria of Concrete for different types of Structures	3	03 – 05 Oct.
17.	Quality Assurance & Quality Control in Civil Engineering Construction Projects	5	22 – 26 Oct.
18.	Pre-stress & Post tensioned structures – Design, Construction and Repair	4	30 Oct. 02 Nov.
19.	Best Practices in Quantity Surveying	4	13 – 16 Nov.
20.	Good Maintenance Practices for Durability of Structures	4	20 – 23 Nov.
21.	Flexible Pavements and Overlays - Design, Construction and Maintenance	4	27 – 30 Nov.
22.	Construction Management – Best Practices and Modern Technologies	4	04 – 07 Dec.
23.	Repair Rehabilitation and Retrofitting of Buildings – Diagnosis, Preventive Actions and Repair Techniques	5	10 – 14 Dec.
24.	Pre-fabricated Structures – Planning, Design and Construction	3	18 – 20 Dec.
25.	Traffic Engineering and Operations Management	3	07 – 09 Jan.
26.	Bridge Diagnostics, Evaluation and Rehabilitation	4	22 – 25 Jan.
27.	Construction and Maintenance of Concrete Roads	4	05 – 08 Feb.
28.	Feasibility study & preparation of DPR for Civil Engineering Projects	4	12 – 15 Mar.

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Environment Management

No.	Programme Title	Days	Dates
1	Bio Medical Waste Management – Handling & Safe Disposal Options with New Rules 2016	3	10 – 12 April
2	Conducting EIA Study and Preparation of EIA reports – Case study & Group Discussion	3	02 – 04 May
3	Preparation of DPR and Tender Documents for Sewage Treatment Plant	3	16 – 18 May
4	Air pollution Monitoring and Modeling using Software Applications – Theory and Practicals	3	19 – 21 June
5	Water Pollution Monitoring and Modeling using Software Applications – Theory and Practicals	3	06 – 08 June
6	IT Enabled Applications in Water Supply and Sewerage Projects	3	10 – 12 July
7	GIS Applications in Land Use and land Cover including software applications	3	17 – 19 July
8	Bio Medical Waste Management – Handling & Safe Disposal Options with New Rules 2016	3	01 – 03 Aug.
9	Design, Operation and Maintenance of Membrane based Water and Waste water treatment for Zero discharge compliance	3	28 – 30 Aug.
10	Current Requirements in Environmental Impact Assessment (EIA) Process and Procedures (as per MoEF & CC Guidelines)	3	05 – 07 Sept.
11	Application of GIS, GPS & RS in Environmental Data Management	3	17 – 19 Sept.
12	Preparation of Technical and Financial Estimates for Water Supply & Sewerage Projects	3	19 – 21 Sept.
13	Performance Evaluation of Sewage Treatment Plants – Practical Aspects and Field Visits	3	03 – 05 Oct.
14	Air pollution Monitoring and Modeling using Software Applications – Theory and Practicals	3	24 – 26 Oct.
15	Design, Construction, Operation and Maintenance of Sewage Treatment Plant with Reuse & Recycle Options	5	12 – 16 Nov.
16	Review of Environment Impact Assessment (EIA) Reports – Case study & Group Discussion	3	26 – 28 Nov.
17	“SMART” Urban Local Bodies – Attaining Service Level Benchmarks for Water Supply Services, Sewage Management, Solid Waste Management and Storm Water Drainage	3	03 – 05 Dec.
18	Septage Management as per MoUD Guidelines (Way forward for Effective implementation of both Urban and Rural Policy – AMRUT, Swachh Bharat and Rural Sanitation Schemes)	3	19 – 21 Dec.
19	Effective Implementation of e-Governance in Urban Local Bodies (Reform, Perform, Transform for Attaining Govt. of India and State Missions)	3	02 – 04 Jan.
20	Best Practices on Solid Waste Management for Litter – Free, Dump –free, Dustbin-free cities in alignment with “Swachh Bharat Mission”	3	22 – 24 Jan.
21	GIS enabled Master Plan Preparation for Town Planning Officers as per MoUD Guidelines	3	29 – 31 Jan.
22	Selection of Technology of Sewerage Treatment Process – Conventional and Advanced	3	04 – 06 Feb.
23	Implementation of Smart City Goals in Water Management, Waste Management and Energy Management	3	12 – 14 Feb.
24	Underground Sewerage Systems – Design, Operation and Maintenance	3	26 – 28 Feb.
25	Bio Medical Waste Management – Handling & Safe Disposal Options with New Rules 2016	3	13 – 15 Mar.
26	Preparation of DPR and Tender Documents for Sewerage Schemes	4	19 – 22 Mar.

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Information Technology

No.	Programme Title	Days	Dates
1.	Information Security and Disaster Recovery Plan	3	25 - 27 April
2.	Smart Technologies for Digital India	3	09 - 11 May
3.	Web Development using Angular JS	5	21 - 25 May
4.	Wireless & Mobile Security	3	06 - 08 June
5.	SAP HANA	4	25 - 28 June
6.	Oracle 12C Database Administration	5	09 - 13 July
7.	Cyber Security & Forensic Investigation	5	23 - 27 July
8.	Big Data Analytics using Hadoop & R tool	4	30 July - 2 Aug.
9.	Mobile Application Development using Android	4	07 – 10 Aug.
10.	Advance EXCEL with Macro's & VB Script	3	16 - 18 Aug.
11.	Linux Server(RHEL 7) Administration	6	27 Aug. - 01 Sept.
12.	Network Administration: Configuring and Securing LANs and WANs	5	17 - 21 Sept.
13.	Web Development Using PHP & MYSQL	5	24 – 28 Sept.
14.	Cyber Security best practices for Managers & Executives	3	08 - 10 Oct.
15.	Cloud Computing using AWS	4	14 - 16 Nov.
16.	Network Security Administration	5	26 – 30 Nov.
17.	Software Testing & Quality Assurance	4	11 - 14 Dec.
18.	Windows Server 2012 Administration	6	17 - 22 Dec.
19.	SAP HCM & Payroll	4	07 - 10 Jan.
20.	Project Management (Hands-on Training on MS Project 2016 & Primavera V6)	5	28 - 31 Jan.
21.	Internet of Things(IoT) for Digital World	3	13 - 15 Feb.
22.	Cyber Security & Digital Forensic Tools	5	25 Feb.- 01 Mar.
23.	Linux Server(RHEL 7) Administration	6	11 – 16 Mar.
24.	Data Analytics using Python	3	20 – 22 Mar.

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Management and Technology

No.	Programme Title	Days	Dates
1	Communication and Presentation Skills (Communicating Assertively)	3	24 - 26 April
2	Welding Technologies and NDT Techniques (Theory and Practical Orientation with Technical Visit)	5	07 - 11 May
3	Personality Development (An Ordinary to Extra-ordinary Personality Empowerment)	3	15 - 17 May
4	NDT Level II Certification in MPI in accordance with ASNT Document No: SNT-TC-1A 2006	3	05 - 07 June
5	Creative Leadership and Teambuilding Skills for Organization Development (Innovative and Inspiring Leadership methodologies with case-studies and Role plays)	3	19 - 21 June
6	GOODS & SERVICES TAX (GST)	2	26 - 27 June
7	Conflict Management, Decision Making and Problem Solving Skills	3	10 - 12 July
8	Materials and Supply chain Management(Including SAP-MM Module Exposure)	4	17 - 20 July
9	3 Dimensional LASER Land Scanners for Mining and other Applications.	4	31 July - 03 Aug.
10	Welding and Inspection : A welder's perspective in SMAW, TIG and MIG (Practical training for welders on SMAW, TIG and MIG)	5	06 - 10 Aug.
11	Communication and Presentation Skills (Communicating Assertively)	3	07 - 09 Aug.
12	Vibrations, Balancing, Alignment and Condition Monitoring of Rotating Equipment(Theory and Practical Orientation with Technical Visit)	4	28 - 31 Aug.
13	MANAGING FINANCE, ASSETS, AND RISK.	3	05 - 07 Sept.
14	Welding Technologies and NDT Techniques (Theory and Practical Orientation with Technical Visit)	5	17 - 21 Sept.
15	Comprehensive Estimation Tendering and E procurement	4	25 - 28 Sept.
16	Personality Development (An Ordinary to Extra-ordinary Personality Empowerment)	3	09 - 11 Oct.
17	Materials and Supply chain Management(Including SAP-MM Module Exposure)	4	23 - 26 Oct.
18	NDT Level II Certification in Liquid Penetrant Testing in accordance with ASNT Document No:SNT-TC-1A 2011	3	29 - 31 Oct.
19	Project Monitoring, Control and Implementation (Concept of Earned Value Management System in Project Management)	4	13 - 16 Nov.
20	NDT Level II Certification in Ultrasonic Technique in accordance with ASNT Document No:SNT-TC-1A 2011	5	19 - 23 Nov.
21	Stress Management (Leads to International Certification Accredited by International council of Stress management professional, Sydney, Australia.)	3	27 - 29 Nov.
22	Interpersonal Skills Effectiveness and Emotional Intelligence. (For Managerial Effectiveness and balancing Stress with practical and Work play)	3	04 - 06 Dec.
23	Performance Monitoring of Centrifugal Pumps and Compressors (with Practical Orientation and Technical Visit)	3	11 - 13 Dec.
24	Non – Destructive Testing for Failure Analysis of Castings, Forgings, Weldments and Tubes (NDT Methods (UT,LPT & MPI))	5	17 - 21 Dec.
25	Industrial Instrumentation and Modern Control Systems	4	08 - 11 Jan.
26	Vibrations, Balancing, Alignment and Condition Monitoring of Rotating Equipment(Theory and Practical Orientation with Technical Visit)	4	22 - 25 Jan.
27	NDT Level II Certification in Radiography testing in accordance with ASNT Document No: SNT-TC-1A 2006	5	28 Jan-01 Feb.
28	Advanced Metrology for Precision Industries	3	05 - 07 Feb.

29	Planning for Aero Space Industries in MSME Sector	3	12 - 14 Feb.
30	Communication and Presentation Skills (Communicating Assertively)	3	26 - 28 Feb.
31	Stress Management (Leads to International Certification Accredited by International council of Stress management professional, Sydney, Australia.)	3	06 - 08 Mar.
32	Enhancing Managerial Excellence for Middle & Top Level Executives	3	12 - 14 Mar.
33	System Engineering	5	18 - 22 Mar.

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Power and Energy

No.	Programme Title	Days	Dates
1	Distribution Transformers - Failures - Trends in O&M	3	24 - 26 April
2	Digital Substations - Power System Protection, Control and Monitoring	5	7 - 11 May
3	Leveling, Alignment and Balancing Procedures for high speed Rotating Machinery in Power Plants and Process Industries (With Practical Demos)	4	15 - 18 May
4	Energy Audit & Loss Reduction in T&D Systems	3	22 - 24 May
5	Renewable Energy Generation and Integration with Grid	4	5 - 8 June
6	Heat Exchangers Design and Performance Evaluation in Power Plants & Process Industry	4	11 - 14 June
7	Distribution Business Management Implementing Information Technology & Operation Technologies	3	19 - 21 June
8	Risk Based In-service Inspection in Power Plants & Process Industry	3	26 - 28 June
9	Power System Grounding and System Stability	3	3 - 5 July
10	Best Practices in O&M of Industrial Valves & Actuators for Heavy Industries & Power Plants	3	10 - 12 July
11	Smart Grid & Smart Metering Technologies & Applications	3	17 - 19 July
12	Operation & maintenance of Oil field equipment	4	24 - 27 July
13	O&M, Testing of Power Transformers and HT Circuit Breakers	3	1 - 3 Aug.
14	Best Practices in O&M and Failure Analysis of Synchronous Generators including static excitation in Power Plants & process industries	5	6 - 10 Aug.
15	Open Access, Power Trading and Tariffs - ABT Scenario	3	21 - 23 Aug.
16	Imported Coal Blending and Coal Firing Optimization	3	28 - 30 Aug.
17	Power Transformers and EHT Circuit Breakers; & Zero Breakdown Concept	4	4 - 7 Sept.
18	Latest techniques in Control & Instrumentation in Power Plants and Process Industries applications	3	10 - 12 Sept.
19	Efficiency Improvement Measures in distribution system	3	18 - 21 Sept.
20	Issues and Challenges of Boiler and Cooling Water Chemistry in Power Plants and Process Industries.	4	25 - 28 Sept.
21	Best practices in O&M of distribution transformer leading to zero breakdown	3	3 - 5 Oct.
22	Performance Management of Thermal Power Stations for Improved Efficiency using Information and communication technology (ICT) / Automated solution.	4	9 - 12 Oct.
23	Static & Digital Energy Meters - Design, Function & Applications	3	16 - 18 Oct.
24	Basic principles of Vibration analysis, Dynamic balancing and Condition Monitoring Techniques with practical demo.	3	23 - 25 Oct.
25	Smart Grid, Smart Meter in Power Sector	4	7 - 10 Nov.
26	Electrical Safety Procedures & Accident Prevention	4	12 - 15 Nov.
27	PAT Mechanism for Power Plants and DISCOMs	4	13 - 16 Nov.
28	Power Cables Selection, Testing, Laying and Commissioning (including OPGW)	4	20 - 23 Nov.
29	Erection, Commissioning and Performance Testing of Synchronous Generators Including Excitation System	4	27 - 30 Nov.
30	SPV (Solar Photo Voltaic) power plant - integration with grid and storage batteries.	3	4 - 6 Dec.

31	Franchisee Models in Distribution System - Implementation - Issues & Challenges	3	5 - 7 Dec
32	PLC & DCS Including Advances in Power Plant Applications and process industries	3	11 - 13 Dec.
33	Testing, Commissioning and Protection of Distribution Substations	4	18 - 21 Dec.
34	Reliability Centred Maintenance - Issues and Challenges	4	26 - 29 Dec.
35	Best Practices in O&M of Electro Static Precipitators (ESP) & Performance Improvement for meeting the new pollution norms	3	2 - 4 Jan.
36	High Voltage Testing of Power Equipments	4	8 - 11 Jan.
37	Pilferage of Electricity - Detection & Prevention - Issues & Challenges	4	21 - 24 Jan.
38	Renovation and Integration of EHT Substation with Digital Electronics	4	22 - 25 Jan.
39	Selection, O&M and Condition Monitoring of Large Electrical Motors and Generators for Industries and Power Plant Applications	3	29 - 31 Jan.
40	Power System Grounding and Systems Stability	3	4 - 6 Feb.
41	Systematic Trouble Shooting of PLC/DCS Applications in Power Plants and Process Industry	4	5 - 8 Feb.
42	Power Trading, Power Exchanges & Merchant Power Plants	3	12 - 14 Feb.
43	Digital Substations - Power System Control, Monitoring and Protection	5	18 -22 Feb.
44	Revenue Management and Loss Reduction in Distribution System	3	26 - 28 Feb.
45	Substation Automation systems including IEC 61850	4	5 - 8 Mar.
46	Asset Integrity Management for Power Plants & Process Industry	3	6 - 8 Mar.
47	O & M of Power Transformers and EHT Circuit Breakers	4	12 - 15 Mar.

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Quality and Productivity

No.	Programme Title	Days	Dates
1.	Laboratory Management System Awareness & Internal Auditing (As per ISO / IEC 17025 : 2005 & NABL Requirements)	4	07 – 10 May
2.	Quality Initiatives in Technical and Higher Educational Institutions (In Compliance with NBA & NAAC Accreditation)	3	16 – 18 May
3.	Total Quality in Vigilance	3	06 – 08 June
4.	Uncertainty Measurement	2	20 – 21 June
5.	ISO 9001:2015 QMS - Lead Auditor Training (CQI - IRCA - UK Certified)	5	02 – 06 July
6.	Certified Internal Auditor Training for Integrated Management System (IMS) (ISO 9001 QMS, ISO 14001 EMS & OHSAS 18001)	3	11 - 13 July
7.	Laboratory Management System Awareness & Internal Auditing (As per ISO / IEC 17025 : 2005 & NABL Requirements)	4	23 – 26 July
8.	ISO 9001 : 2015 QMS – Transition Training (CQI-IRCA-UK Certified)	2	08 – 09 Aug.
9.	Student Development Programme Nurturing Employability Skill for Enhancing Engineers Competency	3	20 – 22 Aug.
10.	ISO 14001 : 2015 EMS – Lead Auditor Training	5	27 – 31 Aug.
11.	Total Quality in Purchase Process(Including ERP & e-Procurement)	3	05 – 07 Sept.
12.	Information Security Management System ISO 27001 : 2013 – Lead Auditor Training	5	24 – 28 Sept.
13.	Laboratory Management System Awareness & Internal Auditing (As per ISO / IEC 17025 : 2005 & NABL Requirements)	4	09 – 12 Oct.
14.	Quality Initiatives in Technical and Higher Educational Institutions (In Compliance with NBA & NAAC Accreditation)	3	22 – 24 Oct.
15.	Disciplinary Proceedings	3	29 – 31 Oct.
16.	Certification Program for Design for Six Sigma Green Belt	5	12 – 16 Nov.
17.	Faculty Development Programme on Pedagogy, Entrepreneurship & Research	3	20 – 22 Nov.
18.	ISO 9001 : 2015 QMS - Effective Implementation & Internal Auditor Training	3	26 – 28 Nov.
19.	Outcome Based Education – CDIO	4	04 – 07 Dec.
20.	OHSAS 18001:2007 - Lead Auditor Training	5	10 – 14 Dec.
21.	ISO 9001:2015 QMS - Lead Auditor Training (CQI - IRCA - UK Certified)	5	17 – 21 Dec.
22.	IPR – Patent	2	27 – 28 Dec.
23.	Total Quality in Vigilance	3	07 – 09 Jan.
24.	Laboratory Management System Awareness & Internal Auditing (As per ISO / IEC 17025 : 2005 & NABL Requirements)	4	21 – 24 Jan.
25.	Capacity Development Programme for Non-Teaching Administrative Staff	3	29 – 31 Jan.
26.	NBA - SAR Filling & Preparedness	3	06 – 08 Feb .
27.	ISO 50001 : 2011 Energy Management System – Lead Auditor Training	5	18 – 22 Feb.

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Water Resource Development

No.	Programme Title	Days	Dates
1.	Dam Safety and Emergency Action Plan	5	23 – 27 April
2.	Instrumentation and Seismic Analysis of Gravity Dams with Software Applications	5	14 – 18 May
3.	Climate Change and Management of Water Resources	4	05 – 08 June
4.	Flood Computation and Flood Disaster Management	5	25 – 29 June
5.	Integrated Water Resources Management	4	10 – 13 July
6.	Application of Total Station and DGPS for Projects with Field Practices	5	23 – 27 July
7.	Concrete Gravity Dams - Design Analysis including Software Applications	5	06 – 10 Aug.
8.	Procurement Procedures – Contract Management including Quality Assurance & Control	5	27 – 31 Aug.
9.	Project Management using MS Project and Primavera Software	5	17 - 21 Sept.
10.	Dam Safety Guidelines – Monitoring and Protection Measures for Safety of Dams	5	24 – 28 Sept.
11.	Hydraulic Gates and Hoists – Design, Erection and Operation and Maintenance	4	08 – 11 Oct.
12.	Irrigation Projects – Canal Automation including Software Applications	4	23 – 26 Oct.
13.	Watershed Development – Water and Soil Conservation Works	4	13 – 16 Nov.
14.	Drinking Water Supply Systems – Planning, Design and O&M with SCADA & Software Applications	5	26 – 30 Nov.
15.	Micro – Irrigation Systems – Planning Design and Installation	4	11 – 14 Dec.
16.	Contract Management and Dispute Resolution in Construction Projects	4	18 – 21 Dec.
17.	Coastal Environment – Protection Measures and Management	3	08 – 10 Jan.
18.	Per Drop More Crop	4	21 – 24 Jan.
19.	Quality Control and Quality Assurance for Construction Projects	4	05 – 08 Feb.
20.	Geo-informatics and I.T Applications for Urban Local Bodies	5	11 – 15 Mar.

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Design and Prototyping Cell

No.	Programme Title	Days
Awareness Programmes / Workshops		
01	Product Design & Development – Innovation at its best	02
02	New Product Design & Development - Hands-on-skills on CNC	02
03	Awareness Programme on Rapid Prototyping and Digital Manufacturing	03
04	Awareness Programme on Additive Manufacturing - The Order of the Day	02
05	Awareness Programme on "Robotronics" – Industrial & Humanoid	02
06	Awareness Program on "Reverse Engineering & 3D Scanning"	02
07	DigiMan - Your Idea Your Design Your Product	03
08	Print your own Design - 3D Printing Workshop	03
09	Robotic Programming using Arduino & Raspberry Pi	03
10	Make your own 3D Printer – Assembly & Printing	05
Certificate Courses		
01	Certificate Course on Computer Design Analysis - Finite Element Method	15
02	Certificate Course on Simulation Software's	15
03	Certificate Courses on CATIA / SolidWorks / AUTOCAD / Fusion 360 / Inventor	15
04	Certificate Courses on 3D Scanning/3D Printing/Reverse Engineering	15
05	Certificate Courses on StartUp Management	15
06	Certificate Courses on Personality Development/Leadership & Managerial Skills	05
07	Certificate Courses on Creativity/Innovation/Entrepreneurship	05
08	Certificate Course on CNC Programming (Hands on Skills)	15
09	Certificate Course on Smart Devices (Arduino & Raspberry Pi)	05
10	Certificate Course on Industrial & Smart Robotics	15
Techno Camps		
01	Dream It - Make It: 3D Printing Skill Enhancement Program	15
02	"How to become a Techno-Entrepreneur"	15
03	Build your 3D Printer: Workshop on "Learn - Assemble - Print"	15
04	Make your Bot - Smart Robo for Smart Application	15
Projects / Skill Enhancement		
01	B. Tech, M.Tech & Scholar Projects on Emerging Technologies	As reqd.
02	Skill Enhancement Programmes on Emerging Technologies	As reqd.

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Faculty Development Cell

No.	Programme Title	Days
1	Choice Based Credit System, OBE, Curriculum Design, IPR and Industry-Institute Partnership.	5
2	Workshop on NBA (SAR Filling) through Active Instructional Methods	3
3	Accreditation and Assessment Workshop (In Compliance with NBA/NAAC)	3
4	Workshop on “From Campus to Corporate” – Road Ahead	2
5	Sponsored Research Programs (Opportunities, Procedures and Best Practices)	3
6	Workshop on Smart Technologies and Emerging Trends	3
7	Management Capacity Building Training for Non-Teaching, Administrative Staff and Technicians	3
8	Hands on Workshop on Embedded Systems	3
9	Faculty Development Program for Engineering Faculties for improving teaching and research skills.	3
10	Workshop on Innovation and Entrepreneurship Development	3
11	Summer Internship cum Training for 3rd year and 4th year budding Engineers	2 to 4 Weeks
12	Nurturing Employability and Entrepreneurial Skills in budding Engineers	3
13	Workshop on Design and Development of Small Satellite	3
14	Workshop on Design Fabricating and Flying Mini Air Vehicle (Theory and Hands on Training)	3
15	Workshop on Lab Management and Maintenance for Lab Technicians	3
16	Preparing Students for 21st Century System Design Challenges in Collaboration with National Instruments (NI).	3
17	Preparation of Research Proposals to Funding Agencies	3
18	Leadership in Higher and Technical Education in India – Directors / Principals	2
19	Workshop on Disruptive Technologies with Visits to Industrial / Research Organizations	3
20	Hands on Workshop on Internet of Things for Students	3
21	Academic Management for achieving Excellence in Engineering Education	3
22	Industry Institute Interaction for Indian Innovation (I 5)	2
23	Technical Paper Writing, Patent Drafting and Filing for Engineering Faculties	3
24	Induction Training for Newly Recruited Faculties	3
25	Innovative Teaching, Research, Learning and Accreditation Practices	3
26	Workshop on Research Methodologies	2
27	Workshop on Renewable Energy Technologies with Industrial Visits	3
28	Workshop on Library Management	3
29	Intellectual Property Rights (IPR) and Patenting	2
30	Good Governance Initiatives and Practices in Universities & Colleges	2

31	Preparing Engineering Institutions towards Academic Autonomy	3
32	Workshop on NAAC Accreditation (SSR Preparation)	3
33	Managing Institutional Academic Reforms in Technical Institutions	2
34	Pedagogy, Accreditation, Research and Entrepreneurship	3
35	Pedagogy and Management Capacity Enhancement Program for Teaching Staff	5
36	Capacity Development Program for Non-Teaching, Administrative Staff & Lab Technicians	3

Team	
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Note : We also undertake tailor made In-house training programmes on the above subjects or any Other subjects at Clients Location or at ESCI.

Certification Programmes

Divisions	Programme Title	Duration
DPC	Certificate Course on Computer Design Analysis - Finite Element Method	15 Days
	Certificate Courses on CATIA / Solid Works / AUTOCAD / Fusion 360 / Inventor	15 Days
	Certificate Courses on 3D Scanning/3D Printing/Reverse Engineering	15 Days
	Certificate Courses on StartUp Management	15 Days
IT	Certification program in Data Science.	12 Weeks
	Certification program in Mobile Application Development	12 Weeks
	Certification program in Internet of Things (IoT)	12 Weeks
	Certification Programme	
M&T	Radiography Testing	6 Days
	RT Film Interpretation-for the award of NDT Level-II Certification in Radiographs as per SNCT TC 1A	5 Days
	Ultrasonic Testing	5 Days
	Liquid Penetrate Testing	3 Days
	Magnetic Particle Testing	5 Days
	Eddy Current Testing	5 Days
	Visual Testing	4 Days
	Stress Management (Leads to International Certification Accredited by International council of Stress management professional, Sydney, Australia)	3 Days
QP	CQI - IRCA - UK registered ISO 9001: 2015 QMS lead auditor training	5 Days
	CQI - IRCA - UK registered ISO 14001 : 2015 EMS lead auditor training	5 Days
	Occupational health & safety management system OHSAS 18001:2007 - lead auditor training (NABET accredited)	5 Days
	NABET-QCI-Registered RABQSA recognized Information Security Management System ISO 27001 : 2013 -Lead Auditor Training	5 Days
	Integrated Management System (IMS) :(ISO 9001 QMS,ISO 14001 EMS, OHSAS 18001) & Internal Auditor Training	3 Days
	Laboratory management based on ISO/ IEC 17025 : 2005 including internal auditing	3 Days
	ISO 9001: 2015 QMS - Effective Implementation & Internal Auditor Training	3 Days
PED	Earthing of AC Power Systems	1 Week
FDP	National Instruments Certification Programme	1 Week
	Embedded System	1 Week