

Quality Improvement Programme

The Government of India launched the Quality Improvement Programme in the year 1970. One of the main objectives of the program is to upgrade the expertise and capabilities of the faculty members of the degree level institutions in the country.

Objective

- Providing opportunities to faculty members of the degree-level engineering institutions to improve their qualification by offering admissions to Master's and Ph.D. degree Program
- Organizing Short Term Courses at the Major QIP Centers for serving teachers.
- Curriculum Development (CD) Cell activities which help to improve class room teaching and learning.

Coimbatore Institute of Technology is one of the AICTE – QIP institutes. CIT offers Ph.D degree programmes in the Engineering disciplines of Civil, Mechanical, Electrical and Electronics and Chemical. Also it sponsors short term courses for faculty members of AICTE institutions.

Ph.D Courses Offered Under QIP

The following Ph.D programmes are being offered in Coimbatore Institute of Technology under QIP.

- Civil Engineering
- Mechanical Engineering
- Electrical and Electronics Engineering
- Chemical Engineering

Short Term Courses

Short Term Courses – 2017 – 2018

S.No	Name of the Programme	Name of the Coordinator	Duration	
			From	To
1.	Interpersonal Skills and Management Techniques for Effective Teaching	Dr. P. Santhi	25/10/17	31/10/17
2.	Smart Advanced Materials (SAM)	Dr. G. Selvakumari	08/11/17	14/11/17
3.	Transforms and their Applications in Engineering	Dr. N. Nagaveni	15/11/17	21/11/17
4.	Cyber Security and Cyber Forensics	Dr. P.G. Sapna	22/11/17	28/11/17
5.	Recent Environmental Challenges, Solutions and Management for Sustainability	Dr. R. Saraswathi	29/11/17	05/12/17
6.	Advances in Composite Materials	Dr. K. Marimuthu	06/12/17	12/12/17
7.	Control Techniques for Networked Control System	Dr. G. Manavaalan	13/12/17	19/12/17
8.	IoT : A Perspective for Smart environments and Ecosystems	Dr. M. Poongothai	18/12/17	24/12/17
9.	Privacy Preserving Data Analysis	Dr. R. Nedunchezian	02/01/18	08/01/18
10.	Advances in Fracture Mechanics and Structural Dynamics Applications in Earthquake Engineering	Dr. M. P. Muthuraj	07/04/18	13/04/18
11.	Opportunities and Challenges in IoT - Use Cases and Security Issues	Dr. N.K. Karthikeyan	07/05/18	13/05/18
12.	Finite Element Analysis - A Practical Approach	Dr. G. Sureshkannan	14/05/18	20/05/18
13.	Current scenario in Nano and biotechnological applications	Dr. V.M. Sivakumar	02/04/18	08/04/18

14.	Recent trends in clean technology for sustainable environment	Dr. D. Prabhakaran	16/04/18	22/04/18
15.	Recent Research Trends in Smart Grid	Dr. S. Suja	23/04/18	29/04/18
16.	Innovative Materials for Construction and it's characterization	Dr. T. Balasubramanian	21/05/18	27/05/18
17.	5G Technology and Applications	Mr.P.Muthusubramanian	28/05/18	03/06/18
18.	Introduction to Numerical Heat Transfer, Fluid flow and its applications	Dr. S. Balamuruagn	28/05/18	03/06/18
19.	Power Electronic System Design and Applications	Dr. E. Chandira Sekaran	04/06/18	10/06/18
20.	Nanomaterials for Frontier Applications	Dr. S. Agilan	04/06/18	10/06/18

Short Term Courses – 2016 – 2017

S.No	Name of the Programme	Name of the Coordinator	Duration	
			From	To
1	Infrastructure Planning, Development and Management (IPDM 2017)	Dr. K. Divakar Associate Professor, Coimbatore Institute of Technology	18/01/2017	24/01/2017
2	Contemporary Design and Construction Techniques of Steel, Concrete and Composite Structures	Dr. V. G. Srisanthi Professor, Coimbatore Institute of Technology	24/04/2017	07/05/2017
3	Mechanical Vibrations	Dr. T. Sridhar Professor, Coimbatore Institute of Technology	30/01/2017	05/02/2017
4	Advanced Materials Science and Engineering	Dr. N. Murugan Professor, Coimbatore Institute of Technology	15/05/2017	28/05/2017

5	Distributed Generation for Present Power Scenario	Dr. J. Devi Shree Associate Professor, Coimbatore Institute of Technology	06/02/2017	12/02/2017
6	Recent Trends in SCADA	Dr. S. Elango Assistant Professor, Coimbatore Institute of Technology	02/05/2017	15/05/2017
7	Signal Processing for Multimedia and Wireless Communications	Dr. A. Rajeswari Professor, Coimbatore Institute of Technology	05/06/2017	11/06/2017
8	Recent Trends in CMOS VLSI Design and its device modeling	Dr. S. Uma Maheswari Professor, Coimbatore Institute of Technology	20/02/2017	26/02/2017
9	Next Generation Computing	Prof. D. Mohana Associate Professor, Coimbatore Institute of Technology	24/04/2017	30/04/2017
10	Internet of Things	Dr. K. Amsakala Associate Professor, Coimbatore Institute of Technology	01/03/2017	07/03/2017
11	Current Scenario in Nano and Functional Materials (Nano - FM 2017)	Dr. M. Thirumarimurugan Professor, Coimbatore Institute of Technology	13/03/2017	19/03/2017
12	Recent Advancements in Alternative, Renewable Energy Technology and Management	Dr. D. Prabhakaran Associate Professor, Coimbatore Institute of Technology	20/03/2017	26/03/2017
13	Probability and Random Processes	Dr. K. S. Ramaswami Professor, Coimbatore Institute of Technology	03/04/2017	09/04/2017
14	Recent Advances in Materials Research	Dr.N.Muthukumarasamy Professor, Coimbatore Institute of Technology	03/04/2017	09/04/2017
15	Business Analytics and Intelligence growing volume of Big data	Dr.A.Kannammal Professor, Coimbatore Institute of Technology	24/04/2017	30/04/2017

16	Life Skills Enhancement for Professional Development	Dr. P. Santhi Professor, Coimbatore Institute of Technology	19/04/2017	25/04/2017
17	Advances in Biological Systems and Material Science in nano world	Dr. S.Lakshmi Professor, Coimbatore Institute of Technology	17/04/2017	23/04/2017

Short Term Courses – 2015 – 2016

S.No	Name of the Programme	Name of the Coordinator	Duration	
			From	To
1.	Environmental Issues in Sustainable Development	Dr. K. Rasappan Professor, Coimbatore Institute of Technology	14/12/2015	20/12/2015
2.	A New Dimension in Manufacturing - Additive Manufacturing	Dr. R. Rajesh Professor, Coimbatore Institute of Technology	12/10/2015	19/10/2015
3.	Computational Methods in Heat Transfer and Fluid Flow	Dr. A.S. Krishnan Associate Professor, Coimbatore Institute of Technology	03/12/2015	09/12/2015
4.	Embedded System Design	Dr. S.J. Sugumar Professor, Coimbatore Institute of Technology	23/11/2015	27/11/2015
5.	Developments and Challenges in Wireless Networks	Prof. T. SenthilVinayakam Professor, Coimbatore Institute of Technology	16/11/2015	20/11/2015
6.	Image Analysis and Computer Vision	Dr. S. Uma Professor, Coimbatore Institute of Technology	23/11/2015	29/11/2015
7.	Predictive analytics in the Cloud	Dr. G. Kousalya Professor, Coimbatore Institute of Technology	12/10/2015	19/10/2015
8.	Occupational Health, Safety and Security Management in Engineering Industry	Dr. V.M. Sivakumar Professor, Coimbatore Institute of Technology	07/12/2015	12/12/2015
9.	Recent Trends in Energy, Environment and E - waste Management	Dr. D. Prabhakaran Professor, Coimbatore Institute of Technology	02/10/2015	07/10/2015

10.	Emerging Trends in Linear Algebra and Graph Theory	Dr. N. Nagaveni Professor, Coimbatore Institute of Technology	30/11/2015	04/12/2015
11.	Advances in New Engineering Materials	Dr. T. Venkatachalam Professor, Coimbatore Institute of Technology	23/11/2015	29/11/2015
12.	Instructional Design and Development of E - Content for E - Learning	Dr. P. Shanthi Professor, Coimbatore Institute of Technology	07/10/2015	13/10/2015
13.	Latest Technologies and Challenges in Transportation Engineering	Dr. S. Shanmugam Professor, Coimbatore Institute of Technology	18/04/2016	24/4/2016
14.	Geotechnical Investigations	Dr. R. Sathyanarayanan Sridhar Professor, Coimbatore Institute of Technology	02/05/2016	07/05/2016
15.	Advances in Composite Materials	Dr. K. Marimuthu Professor, Coimbatore Institute of Technology	05/01/2016	09/01/2016
16.	Modeling and Simulation of Non Linear Electrical Systems	Dr. A. Kavithamani Assistant Professor, Coimbatore Institute of Technology	15/02/2016	21/02/2016
17.	Advanced Technology in Smart Grid	Dr. S. Suja Professor, Coimbatore Institute of Technology	02/05/2016	06/05/2016
18.	Analog Circuit Design	Prof. P. Chitra Professor, Coimbatore Institute of Technology	22/04/2016	28/04/2016
19.	Recent Trends and Research Challenges in Big Data Analytics	Prof. D. Mohana Professor, Coimbatore Institute of Technology	03/02/2016	09/02/2016
20.	Medical Imaging and Informatics	Dr. A. Kunthavai Professor, Coimbatore Institute of Technology	25/04/2016	30/04/2016
21.	Modern Trends and Challenges in Waste water treatment and sludge disposal	Dr. A. Sivalingam Professor, Coimbatore Institute of Technology	08/02/2016	14/02/2016

22.	Nanomaterial and their Applications	Dr. K. Sakthivel Professor, Coimbatore Institute of Technology	04/04/2016	10/04/2016
23.	Soft Computing and its Applications (SCA)	Dr. K.S. Ramaswami Professor, Coimbatore Institute of Technology	22/02/2016	28/02/2017
24.	Biofuels - recent developments, challenges and current prospectus	Dr.R.Narayanasamy Professor, Coimbatore Institute of Technology	04/04/2016	10/04/2016

One Day Refresher Course: 2015-16

1	Construction Challenges for Practicing Civil Engineers	Dr. V.G. Sri Santhi	17/12/2015
2	Contract Administration and Alternate Dispute Resolution in Construction	Dr. K. Divakar	19/01/2016
3	Applications of Advanced Gas Metal Arc Welding Process	Dr. R. Sivasubramanian	30/01/2016
4	Manufacturing Management	Dr. N. Murugan	26/02/2016
5	Energy Optimisation and Reduction of Specific Energy Consumption (SEC) in Industries	Dr. J. Devi Shree	23/01/2016
6	Current Trends in Industrial Automation	Mr. S. Elango	12/12/2015
7	Developments in LTE and 4G Networks	Mr. T. Senthil Vinayakam	06/02/2016
8	3D Computer Vision and its Application in Industrial Metrology	Mrs. G. Puvaneswari	20/01/2016
9	Software Testing Tools	Mrs. P. Kumudha	13/02/2016
10	Industrial Effluent Treatment & Industrial Safety for Engineers	Dr. M. Thirumari Murugan	13/02/2016