

### QIP Courses During 2017-18

Sl. NO	Title of the Course	Co-ordinator/s
1.	QIP Short term course on "Algorithmic Game Theory and Mechanism Design"	Prof. Y Narahari and Prof. Siddarth Barman
2.	QIP Short term course on "Topics in Control, Operation and Protection of Power Systems"	Dr. Gurunath Gurrala & Dr. Sarasji Das
3.	QIP Short term course on "Nonlinear and Adaptive Control Design"	Prof. Radhakant Padhi
4.	QIP Short term course on "Electron Microscopy"	Prof. Chandan Srivastava
5.	QIP Short term course on "Genetic Engineering - Principles and Applications"	Dr. Ravi Sundaresan
6.	QIP Short term course on "Solid Mechanics"	Prof. C S Jog
7.	QIP Short term course on "Introduction to Iron Making"	Prof. Govind S Gupta
8.	QIP Short term course on "Condition Monitoring, Diagnostics & Testing of High Voltage Apparatus"	Dr. Subba Reddy B
9.	QIP Short term course on "Real Time Simulation for Power Electronics and Power Systems"	Prof. G Narayanan and Dr. Gurunath Gurrala
10.	QIP Short term course on "Protein Structure and Engineering"	Prof. Mahavir Singh
11.	QIP Short term course on "Transport Process"	Prof. V Kumaran
12.	QIP Short term course on "Mathematical Methods and Solid State Physics"	Dr. Anindya Das
13.	QIP Short term course on "Digital Signal Processing and Applications"	Dr. Prasanta Kumar Ghosh
14.	QIP Short term course on "X-Ray crystallography Basics and Applications"	Dr. M Nethaji
15.	QIP Short term course on "Internal Combustion Engines"	Dr. R T Naik
16.	QIP Short term course on "Integrated Circuits, MOSFETS, Op-amps and their Applications"	Dr. Hardik J Pandya
17.	QIP Short term course on "Convex Optimization: Theory, Algorithms and applications"	Dr. Kunal Chaudhary

### InternetBasedCourse During 2017-18

Sl. NO	Title of the Course	Co-ordinator/s
1	Internet Based Course on “Environmental Management”	Dr. T V Ramachandra (CES)

### Self-Supporting Short Term Courses during 2017-18

Sl. No	Name of the Course	Name of the Co-ordinator & Dept
1.	Short term course on “Advance flow cuytrometry”	Dr. William Rasican Surin , MCB
2.	CCE-Short term course on “Aeroacoustics – Introduction”	Dr. Arnab Samanta, AE
3.	CCE-Training Programme on technology management for DIAT, Pune	Prof. K B Akhilesh, MS
4.	CCE-Short term course on Management of Intellectual property rights	Dr. P P Iyer, MS
5.	CCE training programme on “Surge Analysis and Design of Surge Protection Systems”	Dr. P Raghuv eer Rao, CiE
6.	CCE training programme on “Investigations and Engineering Tests for Dams”	Prof. Jyant Kumar, CiE
7.	CCE training programme on “Design Flood estimation and Reservoir Operations”	Prof. V V Srinivas
8.	CCE training programme on “Seepage Analysis and Controlling at Dams”	Prof. T G Sitharam, CiE
9.	CCE training programme on “Materials for Dams”	Prof. G L Sivakumar Babu

### GIANCourse During 2017-18

Sl. NO	Title of the Course	Co-ordinator/s
1	ATOMIZATION AND SPRAYS IN GAS TURBINE APPLICATIONS	Prof. Saptarshi Basu
2	New approaches in tuberculosis research and drug development	Prof. Amit Singh
3	Kinetics and Modeling of Iron-making Blast Furnace	Prof. Govind S Gupta
4	Formal Verification of Cyber Physical Systems	Prof. Deepak D’Souza
5.	Topological Derivative Theory and Applications	Prof. G K Ananthasuresh and Prof. A K Nandakumar

**CCE-Proficiency Courses**  
**August - December 2017**

Sl. No.	Name of the Course	Faculty
1.	Analog Integrated Circuits	Dr. Hardik J Pandya
2.	Innovative Product Development and Design Methods	Dr. J E Diwakar (Retd.) IISc. & Prof. P. Achutha Rao
3.	Data Mining	Dr. V Susheela Devi
4.	Vibration and Noise Control in Engineering Structures and Systems	Dr. S B Kandagal
5.	Service Design Thinking	Dr. J E Diwakar (Retd.) IISc, Prof. P. Achutha Rao, & Prof. TVP Chowdry
6.	Embedded System on ARM Platform	Dr. Haresh Dagale
7.	Analysis and Design of Composite Structures	Dr. G Narayana Naik
8.	Structural Analysis & Design Optimization of Engineering Structures & Systems	Dr. S B Kandagal
9.	Basics of Data Analytics	Dr. Gopal Krishna Sharma, Dr. Badarinath Ambati & Prof. M Sekhar
10.	DSP Algorithms, Architecture and Applications	Mr. M Krishna Kumar
11.	Nonlinear Finite Element Method	Prof. P C Pandey
12.	Strategic Management	Prof. R Srinivasan
13.	Basic Level French Language	Prof. M S Mohan Kumar & Ms. Namratha Nagaraj
14.	Basic Concepts of Finite Element Method	Prof. P C Pandey (Retd.) IISc.
15.	Principles and Applications in Genetic Engineering	Dr. N Ravi Sunderesan
16.	Basics of Data Analytics – Second Batch	Dr. Gopal Krishna Sharma, Dr. Badarinath Ambati & Prof. M Sekhar

**January - May 2018**

Sl. No.	Name of the Course	Faculty
1.	Strategic Management	Dr. Parameshwar P. Iyer
2.	Advanced French Course	Prof. M S Mohan Kumar & Ms. Namratha Nagaraj
3.	Internal Combustion Engines	Dr. R T Naik
4.	Innovative Product Development and Design Methods	Dr. J E Diwakar (Retd.) & Prof. P. Achutha Rao (Retd.)
5.	Project Management	Dr. Parameshwar P. Iyer
6.	Data Mining	Dr. V Susheela Devi

7.	Design Thinking and Innovation	Dr. J E Diwakar (Retd.) & Prof. P. Achutha Rao (Retd.)
8.	Analysis and Design of Composite Structures	Dr. G Narayana Naik
9.	Vibration and Noise Control in Engineering Structures and Systems	Dr. S B Kandagal
10.	Linear & Non Linear Programming	Dr. Shyan Srinivasa Garani
11.	Online Course on Linear & Non Linear Programming	Dr. Shyan Srinivasa Garani
12.	Industrial Internet of Things	Dr. Pavan T & Mr. Ganesh Shankar
13.	Deep Learning	Dr. Sreeram Ganapathi
14.	Online Course on Deep Learning	Dr. Sreeram Ganapathi
15.	Basic Spectroscopy and Instrumentation	Dr. S Sandhya
16.	Service Design Thinking	Dr. J E Diwakar, (Retd.) Prof. P. Achutha Rao, (Retd.) & Prof. TVP Chowdry
17.	Structural Analysis & Design Optimization of Engineering Structures and Systems	Dr. S B Kandagal
18.	Embedded System on ARM Platform	Dr. Haresh Dagale
19.	Microelectromechanical Sensors Technology & Material Characterization Technique	Dr. Hardik J Pandya
20.	Smart Design Methods and Process in Automotive Industry	Prof. Anindya Deb & Mr. Kalyan Kumar K V
21.	Basics of Data Analytics - Fundamentals	Dr. Gopal Krishna Sharma, Dr. Badarinath Ambati & Prof. M Sekhar
22.	Nonlinear Finite Element Method	Prof. P C Pandey (Retd.) IISc.
23.	Wireless LANS Concepts, Installation, Troubleshooting and Testing	Mrs. Anandi Giridharan & Mr. Chetan Kumar
24.	Marketing Management	Prof. R Srinivasan (Retd.)
25.	Integrated Circuits, MOSFETs, Op-Amps and their Applications	Dr. Hardik J Pandya
26.	Management of Intellectual Property: Protection, Licensing and Transfer	Dr. Parameshwar P Iyer & Dr. R N Narahari
27.	Basics of Data Analytics – ML & NLP	Dr. Gopal Krishna Sharma, Dr. Badarinath Ambati & Prof. M Sekhar
28.	Basic Concepts of Finite Element Method	Prof. P C Pandey (Retd.) IISc.
29.	Basic French Course	Prof. M S Mohan Kumar & Ms. Namratha Nagaraj
30.	Introduction to Industrial Design	Dr. J E Diwakar, (Retd.) Prof. P. Achutha Rao, (Retd.) & Prof. TVP Chowdry
31.	Principles and Applications in Genetic Engineering	Dr. N Ravi Sundaresan
32.	Biopharmaceutical Technology and Drug Development	Dr. N Ravi Sundaresan