



Centre for Continuing Education

(CCE-Proficiency Programme)

Indian Institute of Science, Bengaluru – 560012, Karnataka, India

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SCHEDULE FOR the TERM JANUARY - MAY 2017

Sl. No.	Name of the Course	Credit	Faculty	Department
1	Advances in EHV / UHV Power Transmission & Distribution (Mon)	2+0	Dr. Subba Reddy B	EE, IISc.
2	Innovative Product Development and Design Methods (Mon)	2+0	Dr. J E Diwakar (Retd.) IISc. & Prof. P. Achutha Rao	CPDM & NID R&D Campus
3	Introduction to Artificial Intelligence and Applications (Mon & Wed)	3+0	Dr. G Narayana Naik & Dr. H K Anasuya Devi	AE & NDRF
4	Project Management (Mon & Wed)	3+0	Dr. Parameshwar P Iyer	MS
5	Renewable Energy Resources: Principles, Technology and Utilization (Mon)	2+0	Mr. Kuruvilla Varghese & Dr. Saji Salkalachen	DESE/CEDT & Ex.GM & Consultant @ BHEL, Bengaluru
6	1D & 2D NMR Spectroscopy: Applications in Structure Biology (Tue)	2+0	Dr. S Raghothama	NMR RC
7	Accounts for Engineers (Tue & Thu)	3+0	Dr. M Krishna Murthy	CSSP. IISc.
8	Importance of "Intellectual Property Rights" (IPR) for Industries and Academia (Tue)	2+0	Dr. J E Diwakar, Retd. IISc. & Dr. S Rama Murthy	CPDM & Origin IP Solutions LLP
9	Introduction to the Linux Environment: OS, Command, Utilities and Shell Scripting (Tue & Thu)	3+0	Mr. R Krishna Murthy, Retd. IISc.	SERC
10	Service Design Thinking (Tue)	2+0	Dr. J E Diwakar (Retd.) IISc, Prof. P. Achutha Rao, & Prof. TVP Chowdry	CPDM, NID R&D Campus & CST
11	Strategic Management (Tue & Thu)	3+0	Dr. Parameshwar P Iyer	MS
12	Basic Spectroscopy and Instrumentation (Wed)	2+0	Dr. S Sandhya	IPC
13	Embedded System Design using Microcontrollers (Wed)	2+0	Mr. M Krishna Kumar (Retd.) IISc.	DESE/CEDT
14	Introduction to Numerical Grid Generation & Fluid Flow Computations (Wed)	2+0	Dr. P S Kulkarni	AE
15	Vibration and Noise Control in Engineering Structures and Systems (Wed)	2+0	Dr. S B Kandagal	AE
16	Machine Learning of Sensory Signals (Thu)	2+0	Dr. Sri Ram Ganapathy	EE
17	Neural Networks for Signal Processing -1 (Thu & Fri)	3+0	Dr. Shayan Srinivasa Garani	DESE
18	Power system Automation Towards Smart Grid (Thu & Fri)	3+0	Dr. Gurunath Gurralla & Mr. N Murugesan	EE & CPRI
19	Analysis and Design of Composite Structures (Fri)	2+0	Dr. G Narayana Naik	AE
20	Industrial Internet of Things (IIoT) (Fri)	2+0	Mr. Ganesh Shankar	Flux Gen.Engg. Pvt. Ltd.
21	Structural Analysis & Design Optimization of Engineering Structures & Systems (Fri)	2+0	Dr. S B Kandagal	AE
22	Advances in Genetic Engineering & Transgenic Technology (Sat)	2+0	Dr. N Ravi Sundaresan	MCBL
23	Basic Concepts of Finite Element Method (Sat) (2 pm - 4 pm)	2+0	Prof. P C Pandey (Retd.) IISc.	Civil Engg.
24	Basics of Data Analytics (Sat)	2+0	Dr. Gopal Krishna Sharma & Dr. Badarinath Ambati	Fiser India Pvt. Ltd., Altair Engineering,
25	Basic Level French Language (Sat) (2 pm - 4 pm)	2+0	Prof. M S Mohan Kumar & Ms. Namratha Nagaraj	CiE. IISc. & Mount Carmel College
26	Cell and Molecular Biology of Aging and Diseases (Sat) (2 pm - 4 pm)	2+0	Dr. N Ravi Sundaresan	MCBL
27	Communication Protocols, Design and Multimedia Applications (Sat) (2 pm - 4 pm)	2+0	Mrs. Anandi Giridharan	ECE
28	Introduction to Acoustics (Sat)	2+0	Prof. T S Seshadri	AE
29	Nonlinear Finite Element Method (Sat)	2+0	Prof. P C Pandey (Retd.) IISc.	Civil Engg.
30	Performance Modeling and Simulation (Sat)	3+0	Prof. Shalabh Bhatnagar	CSA
31	Principles and Applications of Biology Techniques in Research (Sat)	2+0	Dr. P G Vathsala	UG Programme, IISc.
32	Smart Design Methods and Processes in Automotive Industry (Sat) (2 pm - 4 pm)	2+0	Prof. Anindya Deb & Mr. Kalyan Kumar	CPDM & Abhyantra Technologies
33	Wireless LANS Concepts, Installation, Troubleshooting and Testing (Sat)	2+C	Mrs. Anandi Giridharan & Mr. Chetan Kumar	ECE & Cisco Systems
34	Software Test Automation(Sat)(2 pm - 4 pm)	2+0	Dr. Gopal Krishna Sharma & Prof. Muddu Sekhar	Fiserv India Pvt Ltd. & Civil Engg., IISc

Details of the courses are available online at cce.iisc.ernet.in and also download **CCE app** from Google Play Store. Essential Qualification for any course is a degree in Engineering or a postgraduate degree in Science/Humanities as applicable with pre-requisites wherever applicable. Each participant will be admitted for a **Two Courses maximum of**. Applying to courses is strictly through online portal of CCE. Please read all the instructions provided at our portal before applying. Payment of course fee is through payment gateway provided at our online portal and no other means of payment is accepted. The course fee is **Rs. 5000/-** per credit and registration fee is **Rs. 300/-** per course. Any other gateway charges must be borne by participant during online payment. For each application, participants must upload (BE,B.Tech/Post Graduation) **Convocation/Degree Certificate** without fail. **(Class conducted: Week days 6PM to 8PM) & (Saturday's 10AM to 1PM & 2PM to 4PM)**

Some Important Dates : Applying online for courses at CCE online portal	23 rd Nov 2016	Wednesday
Upto	26th December 2016	Monday
	06 th January 2017	Friday
Last Date Appl. With Penalty	06th January 2017	Friday
Classes Commence from	09 th January 2017	Monday
Final Exams from	01 st May 2017	Monday
To	06 th May 2017	Saturday

Office Working Hours: Monday Through Friday 09.30 Hrs. to 19.00 Hrs., Saturday 's 10.00 Hrs. to 12.30 Hrs.

Address: Chairman/ Coordinator/ Officer-in-Charge, CCE-PROFICIENCE, Lecture Hall Complex, Indian Institute of Science, Bengaluru – 560 012.