



Centre for Continuing Education

(CCE-Proficiency Programme)

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

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SCHEDULE FOR THE TERM AUGUST - DECEMBER 2018

Sl. No.	Name of the Course	Credit	Faculty	Department
1.	Medical Microdevices, MEMS-Sensors, Intellectual Property Rights Design, Application and Protection of Innovation (Mon & Wed)	3+0	Dr. Hardik J Pandya & Dr. Lipika Sahoo	LifeIntellect Consultancy and DESE
2.	Innovative Product Development and Design Methods (Mon)	2+0	Dr. J E Diwakar (Retd.) & Prof. P. Achutha Rao (Retd.)	CPDM & NID R&D Campus
3.	Renewable Energy Resources: Principles, Technology and Utilization (Mon)	2+0	Prof. L Umanand & Dr. Saji Salkalachen	DESE & (Ex.GM & Consultant at BHEL, B'Luru)
4.	Derivatives and Portfolio Management (Tue & Thur)	3+0	Dr. Shashi Jain	MS
5.	Internet of Things and Nano Sensors (Tue & Thur)	3+0	Dr. Vijay Mishra	CeNSE
6.	Semiconductor Device Technologies	2+0	Dr. Digbijoy N Nath	CeNSE
7.	Basics of NMR Spectroscopy with Applications in Chemistry and Biology (Tue)	2+0	Dr. Hanudatta Atreya	NMR RC
8.	Analysis and Design of Composite Structures (Tue)	2+0	Dr. G Narayana Naik	AE
9.	Design Thinking and Innovation (Tue)	2+0	Dr. J E Diwakar (Retd.) & Prof. P. Achutha Rao (Retd.)	CPDM & NID R&D Campus
10.	Vibration and Noise Control in Engineering Structures and Systems (Wed)	2+0	Dr. S B Kandagal	AE
11.	Embedded System on ARM Platform (Wed)	2+0	Mr. Haresh Dagale	DESE
12.	Service Design Thinking (Thurs)	2+0	Dr. J E Diwakar, (Retd.) Prof. P. Achutha Rao, (Retd.) & Prof. TVP Chowdry	CPDM, NID R&D Campus & CST
13.	IoT for Smart Cities and Smart Campuses (Thur)	2+C	Dr. Pavan Kumar Tallapragada & Mr Ganesh Hassan	EE & Founder & MD Flux Gen Engg. Tech Pvt. Ltd. B'luru.
14.	Structural Analysis & Design Optimization of Engineering Structures and Systems (Fri)	2+0	Dr. S B Kandagal	AE
15.	Intellectual Property: Creation, Protection and Commercialization (Fri)	2+0	Dr. R N Narahari & Prof. Prof. S Dasappa	CeNSE & CST
16.	Basics of Data Analytics (Sat)	2+0	Dr. Gopal Krishna Sharma, Dr. Badarinath Ambati & Prof. M Sekhar	Fiserv India Ltd., Altair Engineering, & Civil Engg.
17.	Nonlinear Finite Element Method (Sat)	2+0	Prof. P C Pandey (Retd.) IISc.	Distinguished Prof. Gitam Univ.
18.	Micro and Nano Materials Characterization Techniques (Sat)	3+0	Dr. Suresha S J	CeNSE
19.	Basics of Nanoscience and Nanotechnology (Sat)	3+0	Dr. Sanjeev Kumar Shrivastava	CeNSE
20.	Introduction to Industrial Design & Ergonomics (Sat)	3+0	Dr. J E Diwakar, (Retd.) Prof. P. Achutha Rao, (Retd.) & Prof. TVP Chowdry	CPDM, NID R&D Campus & CST
21.	Strategic Management (Sat)	3+0	Prof. R Srinivasan (Emeritus Professor)	MS
22.	Reinforcement Learning (Sat)	3+0	Prof. Shalabh Bhatnagar	CSA
23.	Analog and Digital Data Acquisition Circuits and Systems for Microscale Sensors and Transducers (Sat)	3+0	Dr. Hardik J. Pandya	DESE
24.	Smart Design Methods and Processes in Automotive Industry-Foundation (Sat)	2+0	Prof. Anindya Deb & Mr. Kalyan Kumar K V	CPDM & Founder & Director Abhiantara Technologies
25.	Computational Machine Learning (Sat)	3+0	Mrs. Anandi Giridharan & Prof. Vijaya Kumar	ECE & MSRIT
26.	Smart design methods and processes in Automotive Industry-Advanced (Sat)	2+0	Prof. Anindya Deb & Mr. Kalyan Kumar K V	CPDM & Founder & Director Abhiantara Technologies
27.	Basic Concepts of Finite Element Method (Sat)	2+0	Prof. P C Pandey (Retd.) IISc.	Distinguished Prof. Gitam Univ.
28.	Basics of Machine Learning (Sat)	2+0	Dr. Gopal Krishna Sharma, Dr. Badarinath Ambati & Prof. M Sekhar	Fiserv India Ltd., Altair Engineering, & Civil Engg.
29.	Principles and Applications in Genetic Engineering (Sat)	2+0	Dr. Ravi Sundaresan N	MCB
30.	Biopharmaceutical Technology and Drug Development	2+0	Dr. Ravi Sundaresan N	MCB

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 4PM)

Some Important Dates : Applying online for courses at CCE online portal	20 th June 2018	Wednesday
	27 th July 2018	Friday
Drop Course Information	31 st July 2018	Tuesday
Classes Commence from	06 th August 2018	Monday
Final Exams from	03 rd December 2018	Monday
To	08 th December 2018	Saturday

Office Working Hours: Monday Through Friday 09.30 Hrs. to 19.00 Hrs., Saturday's 10.00 Hrs. to 16.00 Hrs.
Address: Chairman/Coordinator CCE-PROFICIENCE, Lecture Hall Complex, Indian Institute of Science, Bengaluru – 560 012.