



Centre for Continuing Education

(CCE-Proficiency Programme)

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

Ph: 080-22932508, 22932055 Fax: 080-23600911

E-mail: cce.prof@iisc.ac.in, so.cce@iisc.ac.in

Website: cce.iisc.ac.in/Proficiency



SCHEDULE FOR THE TERM JANUARY – MAY 2019

Sl. No.	Name of the Course	Credit	Faculty	Department
1.	Innovative Product Development and Design Methods (Mon)	2+0	Dr. J E Diwakar (Retd.) & Prof. P. Achutha Rao (Retd.)	CPDM & NID R&D Campus
2.	Project Management (Mon)	2+0	Dr. S Dasappa & Prof. TVP Chowdry	CGPL & CST
3.	Basics of Nanoscience and Nanotechnology (Mon-Wed)	3+0	Dr. Sanjeev Kumar Shrivastava	CeNSE
4.	Commercializing Intellectual Property (IP) (Tue)	2+0	Dr. R N Narahari & Dr. Vijay Mishra	CeNSE
5.	Foundations of Internet of Things (Tue)	2+0	Dr. Vijay Mishra	CeNSE
6.	Design Thinking and Innovation (Tue)	2+0	Dr. J E Diwakar (Retd.) & Prof. P. Achutha Rao (Retd.)	CPDM & NID R&D Campus
7.	Analysis and Design of Composite Structures (Tue)	2+0	Dr. G Narayana Naik	AE
8.	Mathematical Models and Algorithms for Image Processing & Computer Vision (Tue)	2+0	Dr. Kunal Narayan Choudhury	EE
9.	Business Analytics with Management Science Models and Methods (Tue-Thur)	3+0	Dr. M Mathirajan	MS
10.	Embedded System on ARM Platform (Wed)	2+0	Mr. Hareesh Dagale	DESE
11.	Vibration and Noise: Theory and Practice (Wed)	2+0	Dr. S B Kandagal	AE
12.	Introduction To Numerical Grid Generation & Fluid Flow Computations (Wed)	2+0	Dr. P S Kulkarni	AE
13.	Internet of Things: Sensors to Cyber Systems (Thur)	2+0	Dr. Vijay Mishra	CeNSE
14.	Modern Techniques in Materials Characterization (Thur)	2+0	Dr. Suresha S J	CeNSE
15.	Deep Learning: Theory and Practice (Thur)	2+0	Dr. Sriram Ganapathy	EE
16.	Online Course on Deep Learning: Theory and Practice (Thur)	2+L	Dr. Sriram Ganapathy	EE
17.	Product Prototyping in IoT (Thur)	2+0	Dr. Vijay Mishra & Mr Ganesh Hassan	CeNSE & Founder & MD Flux Gen Engg. Tech Pvt. Ltd. B'luru.
18.	Structural Analysis and Design Optimization: Theory and Practice (Fri)	2+0	Dr. S B Kandagal	AE
19.	Basics of Finite Element Analysis (Fri)	2+0	Dr. R Vidhyasagar	Civil Engineering
20.	Basics of Data Analytics (Sat)	2+0	Dr. Gopal Krishna Sharma, Dr. Badarinath Ambati & Prof. M Sekhar	Fiserv India Ltd., Altair Engineering, & Civil Engg.
21.	Online Course on Basics of Data Analytics (Sat)	2+L	Dr. Gopal Krishna Sharma, Dr. Badarinath Ambati & Prof. M Sekhar	Fiserv India Ltd., Altair Engineering, & Civil Engg.
22.	Nonlinear Finite Element Method (Sat)	2+0	Prof. P C Pandey (Retd.) IISc.	Distinguished Prof. Gitam Univ.
23.	IPR Management (Sat)	2+0	Dr. R N Narahari	CeNSE
24.	Introduction to Industrial Design (Sat)	3+0	Dr. J E Diwakar, (Retd.) Prof. P. Achutha Rao, (Retd.) & Prof. TVP Chowdry	CPDM, NID R&D Campus & CST
25.	Reinforcement Learning (Sat)	3+0	Shalabh Bhatnagar	CSA
26.	DSP-Algorithms, Architecture and Applications (Sat)	2+0	Mr. M Krishna Kumar (Retd.)	DESE
27.	Smart Design Methods and Processes in Automotive Industry (Sat)	3+0	Prof. Anindya Deb & Mr. Kalyan Kumar K V	CPDM & Founder & Director Abhiyantara Technologies
28.	Computational Machine Learning (Sat)	3+C	Mrs. Anandi Giridharan & Vijay Kumar B P	ECE & MSRIT
29.	Basic Concepts of Finite Element Method (Sat)	2+0	Prof. P C Pandey (Retd.) IISc.	Distinguished Prof. Gitam Univ.
30.	Basics of Machine Learning (Sat)	2+0	Dr. Gopal Krishna Sharma, Dr. Badarinath Ambati & Prof. M Sekhar	Fiserv India Ltd., Altair Engineering, & Civil Engg.
31.	Power System Protection (Sat)	2+0	Dr. Sarasij Das	EE
32.	Principles and Applications in Genetic Engineering (Sat)	2+0	Dr. N Ravi Sundaresan	MCB
33.	Biopharmaceutical Technology and Drug Development	2+0	Dr. N Ravi Sundaresan	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	14 th November 2018	Wednesday
	31 st December 2018	Monday
Drop Course Information	02 nd January 2019	Wednesday
Classes Commence from	07 th January 2019	Monday
Final Exams from	06 th May 2019	Monday
to	11 th May 2019	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-PROFICIENCY, Lecture Hall Complex, Indian Institute of Science, Bengaluru – 560 012.