

List of Courses for August – December 2022

Sl No.	Name of the Course	Credit	Faculty	Department
1.	Innovative Product Development and Design Methods (Mon) (6 pm to 8 pm) (Online)	2:0	Prof. P Achutha Rao and Dr. J E Diwakar	NID, R&D and CPDM, IISc
2.	Photovoltaic Science and Technology (Mon) (6 pm to 8 pm) (Offline)	2:0	Dr. R. Ganesan and Dr. Saji Salkalachen	Department of Physics, IISc BHEL
3.	Advanced course for Electron Microscopy, Cryo-EM and 3D image processing (Mon) (6 pm to 8 pm) (Online)	2:0	Dr. Somnath Dutta	Dept. Molecular Biophysics Unit, IISc
4.	Introduction to Compiler Design (Mon) (wed) (6 pm to 7:30 pm) (Online)	3:0	Prof. Y N Srikant	CSA, IISc
5.	Probability, Statistics and Matrix Methods for Machine Learning (Mon & Wed) (8 pm to 9.30 pm) (Online)	3:0	Mr. M Krishna Kumar, (Retd). Dr. Arulalan Rajan	DESE, IISc & NIT, Surathkal
6.	Computing for AI & Machine Learning (Mon) (wed) (6 pm to 7:30 pm) (Online)	3:1	Prof. Sashikumaar Ganesan	Dept. of CDS, IISc
7.	Artificial Intelligence for Medical Image Analysis (Tue & Thu) (6 pm to 7.30 pm) (Offline)	3:1	Prof. Phaneendra K Yalavarthy and Dr. Prasad S Murthy	Dept. of CDS, IISc and GE Healthcare
8.	Business Analytics with Management Science Models and Methods (Tue & Thu) (8 pm to 9.30 pm) (Online)	3:0	Dr. M Mathirajan	Dept. of MS, IISc
9.	Foundations of Modern Cryptography (Thu) (6 pm – 8 pm) (Online)	2:0	Mr. M Krishna Kumar, (Retd). Dr. Arulalan Rajan	DESE, IISc & NIT, Surathkal
10.	Finite Element Method (Tue & Thu) (6 pm to 7.30 pm) (Online)	3:0	Prof. Praveen Kumar	Mat. Engg, IISc
11.	Transgenic Technology: Principles and Applications (Tue & Thu) (8 pm to 9.30 pm) (Online)	3:0	Prof. N Ravi Sundaresan	MCB, IISc
12.	Analysis and Design of Composite Structures (Fri) (6 pm – 8 pm) (Online)	2:0	Dr. G Narayana Naik	AE, IISc
13.	Vibration and Noise: Theory & Practice (wed) (6 pm to 8:00 pm) (Online)	2:0	Dr. S B Kandagal	AE, IISc
14.	BIM Thinking and Digitalization Strategy for Construction Projects and Organizations (Thu) (8 pm to 10 pm) (Online)	2:0	Prof. Vishal Singh	CPDM, IISc
15.	Embedded Systems and IoT Sensors Applications (Fri) (6 pm to 8 pm) (Online)	2:0	Mr. M Krishna Kumar & Mr. S M Narasimhan Dr. Arulalan Rajan	DESE, IISc
16.	Calculus and Optimization for Machine Learning (Sat) (10 am to 1 pm) (Offline)	3:0	Prof. Kunal Narayan Chaudhury	EE, IISc
17.	Robotics with AR/VR (Sat) (10 am to 1 pm) (Online)	3:0	Dr. Pradipta Biswas	CPDM, IISc

18.	Structural Analysis and Design Optimization: Theory and Practice (Sat) (12 pm – 2pm) (Online)	2:0	Dr. S B Kandagal	AE, IISc
19.	Artificial Intelligence - Theory and Applications (Sat) (10 am to 1 pm) (Online)	3:0	Dr. V. Susheela Devi	CSA, IISc
20.	Principles and Advances in Genetic Engineering (Sat) (10 am to 1 pm) (Online)	3:0	Prof. N.Ravi Sundaresan and Prof. Subba Rao	MCB, IISc
21.	Introduction to Deep Learning in Python (Sat) (10 am to 1 pm) (Online)	3:0	Prof. M Narasimha Murthy (Honorary Professor)	CSA, IISc