

Format for submission of Bouquet of MOOCs Courses

Table 1. List of certifiable courses approved for earning the extra credits under type Aerospace/Aeronautical Department

S. No.	Name of the Subject & Instructor	Duration in Weeks	Start Date	Exam Dates	Enrolment End	Intended Audience
1	Introduction to Aircraft Design Prof. Rajkumar Pant	12 Weeks	July 26, 2021	October 23, 2021	August 02, 2021	UG/PG
2	Design of fixed wing Unmanned Aerial Vehicles Prof. Saderla Subrahmanyam	8 Weeks	August 23, 2021	October 24, 2021	August 23, 2021	UG/PG
3	UAV Design – Part II Prof. Saderla Subrahmanyam	8 Weeks	July 26, 2021	September 26, 2021	August 02, 2021	UG/PG
4	Vibration and Structural Dynamics Prof. Mira Mitra	8 Weeks	July 26, 2021	September 26, 2021	August 02, 2021	UG/PG
5	Engineering Fracture Mechanics Prof. K. Ramesh	12 Weeks	July 26, 2021	October 23, 2021	August 02, 2021	UG/PG
6	Theory of Elasticity Prof. Amit Shaw	12 weeks	July 26, 2021	October 23, 2021	August 02, 2021	UG/PG
7	Global Navigation Satellite Systems and Applications Prof. Arun K. Saraf	4 Weeks	July 26, 2021	September 26, 2021	August 02, 2021	UG/PG
8	Data Science for Engineers Prof. Ragunathan Rengasamy Prof. Shankar Narasimhan	8 Weeks	July 26, 2021	September 26, 2021	August 02, 2021	UG/PG

9	Introduction to Machine Learning - IITM Prof. Balaraman Ravindran	12 Weeks	July 26, 2021	October 24, 2021	August 02, 2021	UG/PG
10	Deep learning - IITRopar Prof. Sudarshan Iyengar	12 Weeks	July 26, 2021	October 23, 2021	August 02, 2021	UG/PG
11	Python for Data Science Prof. Ragnathan Rengasamy	4 Weeks	July 26, 2021	September 26, 2021	August 02, 2021	UG
12	Artificial Intelligence Search Methods for Problem Solving Prof. Deepak Khemani	12 Weeks	July 26, 2021	October 23, 2021	August 02, 2021	UG
13	Theory of Computation Prof. Raghunath Tewari	8 Weeks	July 26, 2021	September 26, 2021	August 02, 2021	UG
14	Introduction to Machine Learning - IITKGP Prof. Sudeshna Sarkar	8 Weeks	July 26, 2021	September 26, 2021	August 02, 2021	UG/PG
15	Big Data Computing Prof. Rajiv Misra	8 Weeks	August 23, 2021	October 24, 2021	August 23, 2021	PG
16	Introduction to algorithms and analysis Prof. Sourav Mukhopadhyay	12 Weeks	July 26, 2021	October 23, 2021	August 02, 2021	UG/PG
17	Control systems Prof. C. S. Shankar Ram	12 Weeks	July 26, 2021	October 23, 2021	August 02, 2021	UG

18	Design, Technology and Innovation Prof. B. K. Chakravarthy	8 Weeks	August 23, 2021	October 23, 2021	August 23, 2021	UG
20	Strategic Communication for Sustainable Development Prof. Aradhna Malik	4 Weeks	July 26, 2021	September 26, 2021	August 02, 2021	UG/PG
21	Computational Fluid Dynamics using Finite Volume Method Prof. Kameswararao Anupindi	12 Weeks	July 26, 2021	October 24, 2021	August 02, 2021	UG/PG