

Format for submission of Bouquet of MOOCs Courses

Table 1. List of certifiable courses approved for earning the extra credits under type

Name of the Board		Electrical and Electronics Engineering				
Sl. No.	Name of the Subject & Subject Matter Expert(SME)	Duration in Weeks	Start Date	End Date	Exam Dates	Enrolment End Date
1	Design of photovoltaic systems Prof. L Umanand	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
2	Principles of Communication Systems - II Prof. Aditya Jagannatham	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
3	Dc Microgrid and control systems Prof. Avik Bhattacharya	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
4	Introduction to Smart Grid Prof. N.P. Padhy Prof. Premalata Jena	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
5	Advances in UHV Transmission and Distribution Prof. Subba Reddy	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
6	Real-Time Digital Signal Processing Prof. Rathna G N	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
7	Probability Foundations for Electrical Engineers Prof. Krishna Jagannathan	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
8	Hydrogen Energy: Production, Storage, Transportation and Safety Prof. Pratibha Sharma	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
9	Electrical Distribution System Analysis Prof. G.B. Kumbhar	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
10	Advance power electronics and Control Prof. Avik Bhattacharya	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022

Table 2. List of certifiable courses approved for earning the extra credits (Interdisciplinary)

Sl. No.	Name of the Subject & Subject Matter Expert(SME)	Duration in Weeks	Start Date	End Date	Exam Dates	Enrolment End Date
1	Natural Resources Management Prof. Sudip Mitra	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
2	Polymers: concepts, properties, uses and sustainability Prof. Abhijit P Deshpande	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
3	Basic Environmental Engineering and Pollution Abatement Prof. P. Mondal	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022

4	Introduction to Polymer Physics- Prof. Amit Kumar	8 weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
5	Introduction To Polymer Science Prof. Dibakar Dhara	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
6	Environmental Chemistry Prof. Bhanu Prakash Vellanki	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
7	Plastic Waste Management Prof. Brajesh Kumar Dubey	8 Weeks	Aug 22, 2022	Oct 14, 2022	Oct 29, 2022	Aug 22, 2022
8	Wastewater Treatment And Recycling Prof. Manoj Kumar Tiwari	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
9	Environmental Modeling and Simulation Prof. Gargi Singh	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
10	Software Testing Prof. Meenakshi D'souza	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
11	Computational Number Theory and Algebra Prof. Nitin Saxena	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
12	Theory of Computation Prof. Raghunath Tewari	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
13	Modern Algebra Prof. Manindra Agrawal	8 Weeks	Aug 22, 2022	Oct 14, 2022	Oct 29, 2022	Aug 22, 2022
14	Big Data Computing Prof. Rajiv Misra	8 Weeks	Aug 22, 2022	Oct 14, 2022	Oct 29, 2022	Aug 22, 2022
15	Artificial Intelligence : Search Methods For Problem solving Prof. Deepak Khemani	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
16	C Programming and Assembly Language Prof. Janakiraman Viraraghavan	4 Weeks	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022
17	Programming, Data Structures And Algorithms Using Python Prof. Madhavan Mukund	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
18	Design and analysis of algorithms Prof. Madhavan Mukund	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
19	Data Science for Engineers Prof. Ragnathan Rengasamy Prof. Shankar Narasimhan	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
20	Introduction to Machine Learning Prof. Balaraman Ravindran	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
21	Python for Data Science Prof. Ragnathan Rengasamy	4 Weeks	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022
22	Reinforcement Learning Prof. Balaraman Ravindran	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022

23	Deep Learning for Computer Vision Prof. Vineeth N Balasubramanian	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
24	Introduction to Operating Systems Prof. Chester Rebeiro	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
25	Advanced Distributed systems Prof. Smruti R. Sarangi	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
26	Discrete Mathematics Prof. Ashish Choudhury	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
27	Cloud Computing Prof. Soumya Kanti Ghosh	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
28	Computer Architecture And Organization Prof. Indranil Sengupta Prof. Kamalika Datta	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
29	Computer Vision Prof. Jayanta Mukhopadhyay	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
30	Cryptography And Network Security Prof. Sourav Mukhopadhyay	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
31	Data Base Management System Prof. Partha Pratim Das Prof. Ansuman Banerjee Prof. Kausik Datta	8 Weeks	Aug 22, 2022	Oct 14, 2022	Oct 29, 2022	Aug 22, 2022
32	Data Structure And Algorithms Using Java Prof. Debasis Samanta	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
33	Embedded System Design With ARM Prof. Indranil Sengupta Prof. Kamalika Datta	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
34	Introduction To Industry 4.0 And Industrial Internet Of Things Prof. Sudip Misra	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
35	Introduction To Internet Of Things Prof. Sudip Misra	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
36	Introduction To Machine Learning Prof. Sudeshna Sarkar	8 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
37	Object Oriented Analysis And Design Prof. Partha Pratim Das Prof. Ansuman Banerjee Prof. Kausik Datta	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
38	Operating System Fundamentals Prof. Santanu Chattopadhyay	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
39	Problem Solving Through Programming In C Prof. Anupam Basu	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022

40	Programming In Java Prof. Debasis Samanta	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
41	Programming In Modern C++ Prof. Partha Pratim Das	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
42	Computer Graphics Prof. Samit Bhattacharya	8 weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
43	Discrete Mathematics Prof. Sudarshan Iyengar	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
44	Deep Learning Prof. Mitesh M. Khapra Prof. Sudarshan Iyengar	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
45	Introduction to robotics Prof. Asokan T Prof. Balaraman Ravindran Prof. Krishna Vasudevan	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
46	Innovation by Design Prof. B. K. Chakravarthy	4 weeks	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022
47	Design, Technology and Innovation Prof. B. K. Chakravarthy	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
48	Environmental & Resource Economics Prof. Sabuj Kumar Mandal	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
49	Economics of Banking and Finance Markets Prof. Sukumar Vellakkal	12 weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
50	Soft skills Prof. Binod Mishra	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
51	Developing Soft Skills and Personality Prof. T Ravichandran	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
52	Body language: Key to professional Success Prof. Rashmi Gaur	4 weeks	Aug 22, 2022	Sep 16, 2022	Oct 29, 2022	Aug 22, 2022
53	Patent Law for Engineers and Scientists Prof. Feroz Ali	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
54	German - I Prof. Milind Brahme	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
55	German - II Prof. Milind Brahme	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
56	Economics of IPR Prof. Nalin Bharti	4 Weeks	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022
57	Introduction to Advanced Cognitive Processes Prof. Ark Verma	8 Weeks	Aug 22, 2022	Oct 14, 2022	Oct 30, 2022	Aug 22, 2022
58	Introduction to Basic Cognitive Processes Prof. Ark Verma	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
59	Energy Economics And Policy Prof. Shyamasree Dasgupta	8 Weeks	Aug 22, 2022	Oct 14, 2022	Oct 30, 2022	Aug 22, 2022

60	Human Resource Development Prof. KBL Srivastava	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
61	Urbanization and Environment Prof. Jenia Mukherjee	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
62	Consumer Psychology Prof. Naveen Kashyap	8 weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
63	Ecology and Society Prof. Ngamjahao Kipgen	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
64	Environment and Development Prof. Ngamjahao Kipgen	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
65	Public Speaking Prof. Binod Mishra	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
66	German - III Prof. Milind Brahme	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
67	Introduction to Law on Electricity Prof. Uday Shankar	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
68	Decision-Making Under Uncertainty Prof. N. Gautam	4 weeks	Aug 22, 2022	Sep 16, 2022	Oct 30, 2022	Aug 22, 2022
69	Financial Accounting Prof. Varadraj Bapat	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
70	Marketing research and analysis Prof. J.K.Nayak	8 Weeks	Aug 22, 2022	Oct 14, 2022	Oct 30, 2022	Aug 22, 2022
71	Innovation, Business Models and Entrepreneurship Prof. Rajat Agarwal Prof. Vinay Sharma	8 Weeks	Aug 22, 2022	Oct 14, 2022	Oct 30, 2022	Aug 22, 2022
72	Design Thinking - A Primer Prof. Ashwin Mahalingam Prof. Bala Ramadurai	4 Weeks	Aug 22, 2022	Sep 16, 2022	Oct 29, 2022	Aug 22, 2022
73	Organizational Behaviour Prof. M. P. Ganesh	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
74	The Future of Manufacturing Business: Role of Digital Technologies Prof. R. K. Amit Prof. U. Chandrasekhar	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
75	Managerial Skills for Interpersonal Dynamics Prof. Santosh Rangnekar	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
76	Ethics In Engineering Practice Prof. Susmita Mukhopadhyay	8 Weeks	Aug 22, 2022	Oct 14, 2022	Oct 29, 2022	Aug 22, 2022
77	Gender Justice And Workplace Security Prof. Dipa Dube	4 Weeks	Aug 22, 2022	Sep 16, 2022	Oct 29, 2022	Aug 22, 2022
78	Industrial Safety Engineering Prof. Jhareswar Maiti	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022

79	Intellectual Property Rights And Competition Law Prof. K. D. Raju Prof. Niharika Sahoo Bhattacharya	8 Weeks	Aug 22, 2022	Oct 14, 2022	Oct 30, 2022	Aug 22, 2022
80	Knowledge Management Prof. KBL Srivastava	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
81	Stress Management Prof. Rajlakshmi Guha	4 Weeks	Aug 22, 2022	Sep 16, 2022	Oct 29, 2022	Aug 22, 2022
82	Operations Research Prof. Kusumdeep	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
83	Power Plant Engineering Prof. Ravi Kumar	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
84	Elements of Solar Energy Conversion Prof. Jishnu Bhattacharya	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022

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