

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

Sl. No.	Name of the Subject & Instructor	Duration in Weeks	Start Date	Exam Dates	Enrolment End	Intended Audience
1	Scalable Data Science - Prof. Anirban Dasgupta Prof. Sourangshu Bhattacharya	8 Weeks	July 26, 2021	September 26, 2021	August 02, 2021	UG/PG
2	Introduction to Industry 4.0 and Industrial Internet of Things - Prof. Sudip Misra	12 Weeks	July 26, 2021	October 23, 2021	August 02, 2021	UG/PG
3	Data Science for Engineers - Prof. Ragunathan Rengasamy Prof. Shankar Narasimhan	8 Weeks	July 26, 2021	September 26, 2021	August 02, 2021	UG/PG
4	Reinforcement Learning - Prof. Balaraman Ravindran	12 Weeks	July 26, 2021	October 24, 2021	August 02, 2021	UG/PG
5	Social Networks - Prof. Sudarshan Iyengar	12 Weeks	July 26, 2021	October 23, 2021	August 02, 2021	UG
6	Deep learning - IITRopar - Prof. Sudarshan Iyengar	12 Weeks	July 26, 2021	October 23, 2021	August 02, 2021	UG/PG
7	Introduction To Haskell Programming - Prof. S. P Suresh	8 Weeks	July 26, 2021	September 26, 2021	August 02, 2021	UG/PG
8	Artificial Intelligence Search Methods For Problem Solving - Prof. Deepak Khemani	12 Weeks	July 26, 2021	October 23, 2021	August 02, 2021	UG
9	Computational Complexity - Prof. Subrahmanyam Kalyanasundaram	12 Weeks	July 26, 2021	October 24, 2021	August 02, 2021	UG/PG
10	Secure Computation: Part I - Prof. Ashish Choudhury	12 Weeks	July 26, 2021	October 24, 2021	August 02, 2021	UG/PG
11	Parameterized Algorithms - Prof. Neeldhara Misra Prof. Saket Saurabh	12 Weeks	July 26, 2021	October 23, 2021	August 02, 2021	UG/PG
12	Deep Learning for Computer Vision - Prof. Vineeth N Balasubramanian	12 Weeks	July 26, 2021	October 24, 2021	August 02, 2021	UG/PG
13	Algorithms for protein modelling and engineering - Prof. Pralay Mitra	12 Weeks	July 26, 2021	October 23, 2021	August 02, 2021	UG/PG
14	Introduction to Quantum Computing: Quantum Algorithms and Qiskit -Prof. Prabha Mandayam Prof. Anupama Ray Prof. Sheshashayee Raghunathan	4 weeks	August 23, 2021	October 23, 2021	August 23, 2021	UG/PG

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

Sl. No.	Name of the Subject & Instructor	Duration in Weeks	Start Date	Exam Dates	Enrolment End	Intended Audience
1	Developing Soft Skills and Personality-Prof. T. Ravichandran	8 Weeks	August 23, 2021	October 24, 2021	August 23, 2021	UG
2	Water, Society and Sustainability-Prof. Jenia Mukherjee	4 Weeks	August 23, 2021	October 24, 2021	August 23, 2021	UG/PG
3	Educational leadership-Prof. Atasi Mohanty	8 Weeks	July 26, 2021	September 26, 2021	August 02, 2021	UG/PG
4	Managing Intellectual Property in Universities-Prof. Feroz Ali	4 Weeks	July 26, 2021	September 26, 2021	August 02, 2021	UG
5	Patent Drafting for Beginners - Prof. Feroz Ali	4 Weeks	July 26, 2021	September 26, 2021	August 02, 2021	UG/PG
6	Patent Law for Engineers and Scientists - Prof. Feroz Ali	12 Weeks	July 26, 2021	October 23, 2021	August 02, 2021	UG/PG
7	Environment and Development-Prof. Ngamjahao Kipgen	12 Weeks	July 26, 2021	October 23, 2021	August 02, 2021	UG/PG
8	Body language: Key to professional Success-Prof. Rashmi Gaur	4 Weeks	July 26, 2021	September 26, 2021	August 02, 2021	UG/PG
9	Entrepreneurship and IP Strategy-Prof. Gouri Gargate	8 Weeks	July 26, 2021	September 26, 2021	August 02, 2021	UG/PG
10	Patent Search for Engineers and Lawyers - Prof. M Padmavati Prof. Shreya Matilal	8 Weeks	August 23, 2021	October 23, 2021	August 23, 2021	UG/PG
11	Strategic Communication for Sustainable Development - Prof. Aradhna Malik	4 Weeks	July 26, 2021	September 26, 2021	August 02, 2021	UG/PG
12	Ethics in Engineering Practice-Prof. Susmita Mukhopadhyay	8 Weeks	August 23, 2021	October 23, 2021	August 23, 2021	UG/PG
13	Introduction to Research-Prof. Prathap Haridoss	8 Weeks	August 23, 2021	October 24, 2021	August 23, 2021	UG/PG

Table 3. List of certifiable courses approved for earning the extra credits by CSE Students under Civil Engineering Stream (Interdisciplinary)

Sl. No.	Name of the Subject & Instructor	Duration in Weeks	Start Date	Exam Dates	Enrolment End	Intended Audience
1	Remote Sensing and GIS- Prof. Rishikesh Bharti	8 Weeks	July 26, 2021	September 26, 2021	August 02, 2021	UG/PG