

LIST OF SHORT TERM /SPONSORED COURSES CONDUCTED IN ONLINE/OFFLINE MODE DURING 2021 -22

S.No.	Department	Course Name	Course Coordinator (s)	Duration	Sponsoring Agency
1.	CE	Advanced Finite Element Modelling of Geotechnical Constructions	Dr. Akanksha Tyagi	March 25 to May 27, 2021	Open Course
2.	CE	Road Safety Auditors Certification Course	Dr. Amit Agarwal	July 19-Aug. 2, 2021	Ministry of Road Transport and Highways (MoRTH) and Indian Roads Congress (IRC), New Delhi.
3.	HRED	Water, Sanitation, and Hygiene (WASH)	Dr. M.L. Kansal Dr. Basant Yadav	Aug. 24-26,2021	MEA
4.	HRED	RLA Services for Hydro Turbine and Hydro Generator, RLA Techniques, Laboratory Evaluation Services, Trouble Shooting Services for Hydro Plants and Uprating Studies	Dr. Arun Kumar	Sept. 1-3, 2021	NHPC
5.	WRD&M	Int. Trg. on Application of Remote Sensing and GIS in Agriculture	Dr. Ashish Pandey	Sept. 1-3,2021	MEA
6.	WRD&M	Disaster Management (Floods and Droughts)	Dr. Ashish Pandey	Sept. 13-15, 2021	E-Itech
7.	DOMS	Advanced Research Methods Using R	Dr. Abhinava Tripathi	August 14 - 28, 2021	Open
8.	ECE	Data Mining And Machine Learning For IOT Applications In Industry	Prof. Dheeraj Kumar	July 26-Aug. 10,2021	SAIL Bokaro
9.	HRED	Online Capacity Building of Professionals From member State Bhutan on Commercial Scale Biogas Plants	Prof. Arun Kumar	August 23-27, 2021	SAARC
10.	CSE	Internet of Things (IOT) for Smart Cities and	Prof. Rahul Thakur	July 5-	SAIL Bokaro

		Industries		20,2021	
11.	CSE	Artificial Intelligence for Computer Vision (Elementary)	Prof. Partha Pratim Roy	July 12 - 16, 2021	AICTE (under ATAL Academy)
12.	CSE	Artificial Intelligence for Computer Vision (Advanced)	Prof. Partha Pratim Roy	July 26 - 30, 2021	AICTE (under ATAL Academy)
13.	CE	Introduction to Geo-Spatial Tools and Technology	Prof. P. K. Garg	July 26 - 30, 2021	AICTE (under ATAL Academy)
14.	HRED	Renewable Energy-Emerging Technology	Prof. R.P. Saini Prof. S. K. Singal	Sept. 13-17,2021	NHPC
15.	HRED	Online Training of SAARC Professional on Small & Micro Hydro Power Generation	Prof. Arun Kumar	Sept. 13-17, 2021	SAARC Energy Centre, Islamabad
16.	WRD&M	Disaster Management Floods and Droughts	Prof. Ashish Pandey	Sept. 13-15,2021	E-Itech
17.	HRED	Advanced and Disruptive Technology Trends in Energy Sector	Prof. Arun Kumar	Sept. 27-29,2021	NHPC
18.	HRED	Online Training of Stakeholders on Power Purchase Agreement of Renewable Energy Project	Prof. Arun Kumar	Oct. 04-08, 2021	SAARC Energy Centre, Islamabad
19.	HRED	Control of Time & Cost Overrun of Projects, Project Time & Cost Management	Prof. S.K. Singhal	Oct. 11-13,2021	NHPC
20.	HRED	Renovation and Modernization of Power Plants (Technical challenges, regulation of CEA/CERC etc.)	Prof. Arun Kumar	Nov. 15-17,2021	NHPC
21.	HRED	Pump Storage-Design, Operation & Integration with Renewable Energy”	Prof. Arun Kumar	Nov 22 – 26, 2021	NHPC
22.	HRED	Latest Trends in Energy Sector including Battery Energy Storage Systems, Hybrid Power Plant Solutions for providing balancing Electricity and Ancillary Services	Prof. R.P. Saini Prof. S.K. Singal	Dec 01-03, 2021	NHPC
23.	EED	Power System Protection Advanced	Dr. Manoj Tripathy	Nov. 15-17, 2021	NHPC
24.	CE	Road Safety Auditors Ministry of Road Certification Course Transport & Highways	Prof. Pushpa Choudhary	Nov. 22 – Dec. 06, 2021	Ministry of Road Transport & High Ways
25.	HRED	Regulatory Framework and Operation of Power Station	Prof. Arun Kumar	Dec. 06 - 10, 2021	NHPC
26.	DOMS	Basic of IPR and Patent Search	Prof. Rajat Agarwal	Dec. 06 - 20,	Open

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27.	WRD&M	Latest Technologies in Water Sector	Prof. Ashish Pandey	Dec. 20-24,2021	NWA
28.	DOMS	Project Management	Prof. Ramesh A	Dec. 20-24,2021	AICTE (under ATAL Academy)
29.	HRED	Carbon Financing Program Administration, Management, Monitoring and Coordination	Prof. Arun Kumar	Sept 20 – 28, 2021	Development Bank of Ethiopia, Addis Ababa, Ethiopia
30.	WRD&M	Application of Simulation Modelling in Water Resources Management	Prof. Kasiviswanathan K. S.	Oct. 11 - 15, 2021	AICTE (under ATAL Academy)
31.	HRED	Hydrogen Energy	Dr. Amit C. Bhosale	Nov. 02-03, 2021	NHPC
32.	HRED	Renovation and Modernization of Power Plants Technical Challenges, regulation of CEA/CERC etc.	Prof. Arun Kumar	Nov. 15 - 17, 2021	NHPC
33.	CSE	Deep Learning Image Processing with Computer Vision	Dr. Partha Pratim Roy	Nov. 10 - 13, 2021	BEL
34.	CSE	Cloud Computing	Prof. Neetesh Kumar	Nov. 16 - 18, 2021	BEL
35.	HRED	Assessment of Soil Erosion & Sedimentation Control in Hydro Power Projects	Prof. Arun Kumar	December 13-17, 2021	NHPC
36.	HRED	Concept of Commissioning of Hydroelectric Power Plant	Prof. Arun Kumar	Jan. 17 - 19, 2022	NHPC
37.	CSE	Network Technologies and Programming	Prof. Sandeep Kumar	Jan. 17-21, 2022	NIC
38.	CSE	Software Design & Development	Prof. Sandeep Kumar	Jan. 04-08, 2022	NIC
39.	CSE	Application of Remote Sensing and GIS Techniques for Geological Investigations	Prof. Ravi Sharma	Jan. 10-14, 2022	NHPC
40.	CSE	Geological and Geophysical Aspects	Prof. Ravi Sharma	March 07-11, 2022	NHPC
41.	HRED	Regulatory Framework and Operation of Power Station	Prof. Arun Kumar	Feb. 07-11, 2022	NHPC
42.	HRED	Challenges in Hydropower: Concept to	Prof. Arun Kumar	Jan. 17-19,	NHPC

		Commissioning		2022	
43.	Polymer and Process Engg.	Fundamentals and Applications of Polymers, Polymer Composites and Adhesives	Prof. Gaurav Manik	Dec. 13 - 22, 2022	Tata Steel Ltd., Jamshedpur
44.	EED	Development of Intelligent Power Monitoring System for Reliable Operational Strategy in Upcoming evolving Market Dynamics	Prof. Dheeraj K Kathod	Jan. 17 - 19, 2022	NHPC
45.	CSE	Advanced Technologies in Informatics : Network Technologies and Programming	Prof. Sandeep Kumar	Jan. 17 - 21, 2022	NIC
46.	CSE	Advanced Technologies in Informatics : Software Design & Development	Prof. Sandeep Kumar	Jan. 04 - 08, 2022	NIC
47.	CE	Lecture Series on Advanced Finite Element Modelling of Geotechnical Construction	Prof. Akanksha Tyagi	March 10, 2022 - May 26, 2022	N.A.
48.	Hydrology	Soil Pollutants Impact Assessment and Remediation of Contamination Sites	Prof. Brijesh K. Yadav	March 07 - 09, 2022	CPCB
49.	CSE	Advanced Technologies in Informatics: Cloud Computing Technology - E Program	Prof. Sandeep Kumar	February 21 - 25, 2022	NIC
50.	CSE	Advanced Technologies in Informatics: AI and Machine Learning	Prof. Sandeep Kumar	February 28 - March 04, 2022	NIC
51.	CSE	Advanced Technologies in Informatics: Network Security - Basics	Prof. Sandeep Kumar	March 07 - 11, 2022	NIC
52.	CE	Training at Centre of Excellence in Drone Survey, NIDEM, Delhi Cantt.	Prof. Kamal Jain	Feb. 28, 2022 - March 04, 2022	NIDEM, Delhi, Cantt.
53.	WRD&M	Technical Issue of Hydropower	Prof. Ashish Pandey	March 21 - 25, 2022	SJVN Ltd., Shimla (H.P.)
54.	ECE	Accelerators for Deep Learning	Prof. Sparsh Mittal	March 22 - 28, 2022	Qualcomm India Pvt. Ltd., Hyderabad
55.	Mathematics & Applied Science and Engg.	Immersive Deep-dive on Machine Learning and Algorithms	Prof. Kusum Deep Prof. Millie Pant	March 03 - 10, 2022	Deloitte Consulting India Pvt. Ltd., Hyderabad



LIST OF ONLINE CERTIFICATE PROGRAMME FROM APRIL 2021 TO MARCH 2022

S.No.	Department	Course Name	Principal Investigator	Program Partner	Duration
1.	CSE	Artificial Intelligence, Banking, Financial Services, and Insurance. Batch – II	Prof. Durga Toshniwal	Wiley India	May 01- Oct. 24, 2021
2.	Applied Sciences & Engg.	Data Science and Machine Learning- Batch - II	Prof. Millie Pant	Times Group (TSW)	May 15,2021 – April 10, 2022
3.	DOMS & CSE	Artificial Intelligence and DFeep Learning (self paced)	Prof. Gaurav Dixit & Prof. Raksha Sharma	CloudX Lab	June 15,2021 – Dec. 31,2021
4.	ECE	Accelerators for Deep Learning (self paced)	Prof. Sparsh Mittal	CloudX Lab	June 30,2021-Nov. 2021
5.	ECE	Cloud Computing & DevOps Batch I	Prof. Sateesh Kumar Peddoju	Eckovation	Sept. 12, 2021 - Mar 27, 2022
6.	CSE	MLOps	Prof. Raksha Sharma	CloudX Lab	Sept. 05, 2021 to Sept. 05, 2022
7.	CSE	Machine Learning & Deep Learning	Prof. Raksha Sharma	CloudX Lab	Sept. 05, 2021 to Sept. 05, 2022
8.	CSE	Data Science	Prof. Raksha Sharma	CloudX Lab	Sept. 05, 2021 to Sept. 05, 2022
9.	Applied Sciences & Engg.	Data Science and Machine Learning – Batch-III	Prof. Millie Pant	Times Group (TSW)	Sept.11, 2021 to Aug. 11, 2022



10.	Applied Sciences & Engg.	Data Science and Machine Learning – Batch-IV	Prof. Millie Pant	Times Group (TSW)	Oct. 23, 2021 to Sept. 25, 2022
11.	CSE	Artificial Intelligence, Banking, Financial Services, and Insurance. Batch - III	Prof. Durga Toshniwal	Wiley India	Oct. 30, 2021 – May 14, 2022
12.	DOMS	Data Science and Machine Learning	Prof. Gaurav Dixit	Coursera	Oct. 2021 to March 2022
13.	DOMS	Supply Chain Management & Analytics Batch-II	Prof. Rajat Agrawal	Eckovation	Nov. 2021 -April 2022
14.	DOMS	Supply Chain Management in the Digitalized Ecosystem	Prof. Rajat Agrawal	Eckovation	Nov. 2021 – Oct. 2022
15.	CSE	Machine Learning	Prof. Partha Pratim Roy	Times Group (TSW)	Dec. 11, 2021-May 20, 2022
16.	Applied Sciences & Engg.	Data Science and Machine Learning – Batch-V	Prof. Millie Pant	Times Group (TSW)	Jan, 15, 2022 to Nov.. 26, 2022