

ANNA UNIVERSITY
FACULTY OF CIVIL ENGINEERING

LIST OF ONLINE COURSES

SL. NO.	COURSE TITLE	SOURCE
DIVISION OF STRUCTURAL ENGINEERING		
1.	Civil Infrastructure for smart city development	SWAYAM
2.	Introduction to Renewable Energy	COURSERA
3.	Engineering: Building with nature	EDX
4.	Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading	COURSERA
5.	Applications in Engineering Mechanics	COURSERA
6.	The Art of Structural Engineering: Vaults	EDX
7.	Fundamentals of Fluid -Solid Interactions	COURSERA
8.	Energy Efficiency, Acoustics and day lighting in Building	NPTEL
9.	Earth Sciences for Civil Engineering Part I & II	NPTEL
10.	Natural Hazards - Part I	NPTEL
11.	Structural Dynamics for Civil Engineers - SDOF systems	NPTEL
12.	Advanced Topics in the Science and Technology of Concrete	NPTEL
DEPARTMENT OF CIVIL ENGINEERING (UG)		
13.	Introduction to Transportation Engineering	NPTEL
14.	Transportation Engineering II	NPTEL
15.	Traffic Engineering and Management	NPTEL

DIVISION OF TRANSPORTATION ENGINEERING (PG)		
16.	Urban Transportation Planning	NPTEL
17.	Logistics and Transportation Planning Methods	MASSACHUSETTS INSTITUTE OF TECHNOLOGY (FREE)
18.	Advanced Transportation Engineering	NPTEL
CENTRE FOR WATER RESOURCES (UG)		
19.	Agriculture, Economics and Nature	UNIVERSITY OF WESTERN, AUSTRALIA - FREE
20.	The economics of Agro-food Value Chains	TECHNISCHE UNIVERSITÄT MÜNCHEN - FREE
21.	Discover Best practice farming for a sustainable 2050	UNIVERSITY OF WESTERN, AUSTRALIA - FREE
22.	National Adaptation Plans: Building Climate Resilience in Agriculture	SANTA FE UNIVERSITY - FREE
23.	Powering Agriculture - Sustainable Energy for Food	UNIVERSITY OF APPLIED SCIENCES - FREE
24.	Urban Agriculture	MICHIGAN STATE UNIVERSITY - FREE
25.	Dairy Production and Management	THE PENNSYLVANIA STATE UNIVERSITY - FREE
CENTRE FOR WATER RESOURCES (PG)		
26.	Water Resources Management and Policy	UNIVERSITY OF GENEVA - FREE
27.	Hydrological Data Collection and Processing	IHE DELFT INSTITUTE FOR WASTE EDUCATION, NETHERLANDS - PAID € 2850

28.	River Basin Modeling	IHE DELFT INSTITUTE FOR WASTE EDUCATION, NETHERLANDS - PAID € 2850
29.	Data Manipulation at Scale: Systems and Algorithms	UNIVERSITY OF WASHINGTON - FREE
30.	GIS Data formats, Design and Quality	UNIVERSITY OF CALIFORNIA DAVIS-FREE
31.	Data Analysis and Interpretation	WESLEYAN UNIVERSITY - FREE
32.	Agriculture Irrigation Hydraulics	IRRIGATION ASSOCIATION - FREE
33.	Landscape Irrigation Scheduling	IRRIGATION ASSOCIATION - FREE
34.	Sustainability of Social - Ecological Systems: The nexus between water, energy and food	UNIVERSITAT AUTONOMA DE BARCELONA - FREE
35.	Water Reform and Governance	INTERNATIONAL WATER CENTRE - FREE
INSTITUTE FOR OCEAN MANAGEMENT (PG)		
36.	Managing Coastal Environments	OPEN UNIVERSITY, UK- FREE
37.	The climate - Energy Challenge	HARVARD UNIVERSITY - FREE
38.	Coastal Engineering Certificate (CECP)	OLD DOMINION UNIVERSITY
39.	Integrated Coastal Zone Management	UNESCO-IHE, \$ 850
40.	Computer methods of structural analysis of offshore structures	IITM- FREE
41.	Tropical Coastal Ecosystems	EDX
42.	Nitrogen: A Global Challenge	EDX

43.	Environmental Protection and Sustainability	EDX
44.	Energy within Environmental Constrains	EDX
45.	Climate change Science and negotiations	EDX
46.	Ecodesign for cities and suburbs	EDX
47.	The Health effects of climate change	EDX
48.	Oceanography: a key to better understand our world	COURSERA
49.	Large Marine Ecosystems: Assessment and Management	COURSERA
INSTITUTE OF REMOTE SENSING (UG)		
50.	The monsoon and its variability	NPTTEL
51.	GIS in Ag-Essentials and Applications	NPTTEL
52.	Introduction R Software	SWAYAM
INSTITUTE OF REMOTE SENSING (PG)		
53.	Introduction to MATLAB	MIT OPEN COURSEWARE - MASSACHUSETTS INSTITUTE OF TECHNOLOGY)
54.	Introduction R software	SWAYAM
55.	Physics of Atmosphere and Ocean	NPTTEL