JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
R18 B. Tech. List of SWAYAM Courses as Professional Electives for AY 2021-22
(January – June 2022 Batch)

R18 B.Tech III Year II Semester

Name of the Department	MOOCS Course (s) (Professional Elective-I)	MOOCS Course (s) (Professional Elective-II)	MOOCS Course (s) (Professional Elective-III)
Civil Engineering	--	Probability Methods in Civil Engineering (IITKGP 12W)	--
	--	Basic Construction Materials (IITM 12W)	--
	--	Structural Dynamics (IIITH 12W)	--
Electrical and Electronics Engineering	--	Transmission Lines and Electromagnetic Waves (IITM 12W)	--
Mechanical Engineering	Optimization from Fundamentals (IITB 12W)	--	--
Electronics and Communication Engineering	--	The Joy of Computing Using Python (IIT Ropar 12W)	--
	--	Biomedical Signal Processing (IITKGP 12W)	--
Electronics and Instrumentation	--	The Joy of Computing Using Python (IIT Ropar 12W)	--
	--	Biomedical Signal Processing (IITKGP 12W)	--
Computer Science and Engineering	--	--	Reinforcement Learning (IITM 12W)
Information Technology	--	--	Reinforcement Learning (IITM 12W)

R18 B.Tech IV Year II Semester

Name of the Department	MOOCS Course(s) (Professional Elective – V)	MOOCS Course(s) (Professional Elective - VI)
Civil Engineering	Environmental Impact Assessment (IITR 12W)	Urban Transportation Systems Planning (IITKGP 12W)
	Air Pollution and Control (IITR 12W)	Geographic Information Systems (IITR 12W)
	Advanced Soil Mechanics (IITG 12W)	Remote Sensing: Principles and Applications (IITB 12W)
	Advanced Foundation Engineering (IITKGP 12W)	--
	Mineral Resources: Geology Exploration Economics and Environment (IITKGP 12W)	--
Electrical and Electronics Engineering	High Power Multilevel Converters – Analysis, Design and Operational Issues (IITD 12W)	Deep Learning for Visual Computing (IITKGP 12W)
	Digital IC Design (IITM 12W)	Digital System Design (IIT Ropar 12W)
Mechanical Engineering	Robotics: Basics and Selected Advanced Concepts (IISC 12W)	Industrial Automation and Control (IITKGP 12W)
Electronics and Communication Engineering	Multirate DSP (IITM 12W)	Design and Analysis of VLSI Subsystems (IIIT Bangalore 12W)
	Spread Spectrum Communications & Jamming (IITKGP 12W)	--
Electronics and Instrumentation	Sensors and Actuators (IISC 12W)	Optical Fibre Sensors (IITM 12W)
Computer Science and Engineering	--	Blockchain and its Applications (IITKGP 12W)
Information Technology	--	Blockchain and its Applications (IITKGP 12W)

11/01/22

REGISTRAR