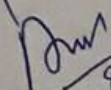


Civil Engineering Department MOOC Courses for 4th Semester students (optional)					
S.NO.	Course Name and Type	National Coordinators for MOOCs:	Inst.	Duration	Exam Date
1	Basic Construction Material (Departmental)	NPTEL	IIT Madras	12 Week	25-Apr-21
2	Remote sensing principles and applications (Departmental)	NPTEL	IIT Bombay	12 Week	25-Apr-21
3	Plastic Waste Management (Departmental)	NPTEL	IIT Kharagpur	8 Week	21-Mar-21

Civil Engineering Department MOOC Courses for 6th Semester students (optional)					
S.NO.	Course Name and Type	National Coordinators for MOOCs:	Inst.	Duration	Exam Date
1	Introduction to Civil Engg Profession	NPTEL	IIT Madras	8 week	21-Mar-21
2	Maintenance and repair of concrete structures	NPTEL	IIT Madras	12 week	24-Apr-21
3	Urban Transportation system planning	NPTEL	IIT Kharagpur	12 week	25-Apr-21


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NOTICE

Department of Mechanical Engineering Jabalpur Engineering College, Jabalpur

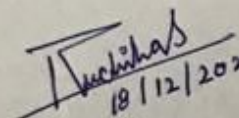
The following NPTEL courses are recommended to the students. Selection of course must be done strictly among the below listed courses in order to gain extra credits.

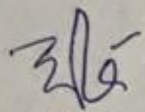
B.Tech IV SEM

Course ID	Course Name
noc21-me66	Product Design and Manufacturing
noc21-me62	Experimental Methods in Fluid Mechanics
noc21-me02	Experimental Stress Analysis

B.Tech VI SEM

Course ID	Course Name
noc21-me54	Fundamentals of Nuclear Power Generation
noc21-me03	Introduction to Mechanical Micro Machining
noc21-ae01	Rocket Propulsion


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Prof. Ruchika Saini


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MECHANICAL

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING,

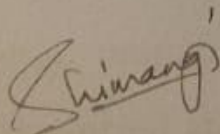
DEPARTMENT OF INFORMATION TECHNOLOGY

MOOCS / SWAYAM Courses Offered for B.Tech. 4th Semester Students

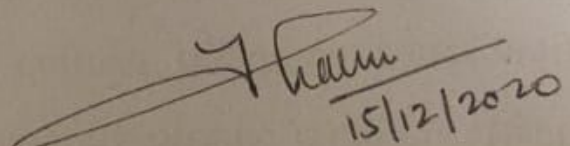
S.No.	Course Name	Mentor Institute	Duration (Weeks)	Credit	Date of Examination
1	Introduction to Internet of things	IIT, KGP	12	3	April 25, 2021
2	Data Analytics using python	IIT ROPAR	12	3	April 25, 2021
3	Foundation of Cryptography	IIT, Bangalore	12	3	April 25, 2021

MOOCS / SWAYAM Courses Offered for B.Tech. 6th Semester Students

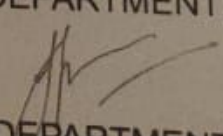
S.No.	Course Name	Mentor Institute	Duration (Weeks)	Credit	Exam Date
1	Introduction to Industry 4.0 and Industrial Internet of Things	IIT, KGP	12	3	April 25, 2021
2	Deep Learning	IIT KGP and IIT ROPAR	12	3	April 25, 2021
3	Computational Complexity Theory	IIT, K	12	3	April 25, 2021



NPTEL COORDINATOR(CSE)



HEAD OF DEPARTMENT(CSE)



HEAD OF DEPARTMENT(IT)

DEPARTMENT OF INDUSTRIAL AND PRODUCTION ENGINEERING

NPTL course list for 4rd, 6th, and 8th semester

S NO.	COURSE NAME	DURATION	TIME LINE
1	Finite element modeling of welding process.	12 weeks	Jan-Apr 2021
2	Fundamental of combustion	12 weeks	Jan-Apr 2021
3	Oil hydraulics & Pneumatics	12 weeks	Jan-Apr 2021
4	Fundamental of automotive system	12 weeks	Jan-Apr 2021
5	IC engine and gas turbines	12 weeks	Jan-Apr 2021
6	Management of Inventory system	12 weeks	Jan-Apr 2021
7	Introduction to mechanical micro machining	12 weeks	Jan-Apr 2021
8	Financial management for managers	12 weeks	Jan-Apr 2021
9	Design and analysis of experiments	12 weeks	Jan-Apr 2021
10	Management of commercial banking	12 weeks	Jan-Apr 2021
11	Air Craft design	12 weeks	Jan-Apr 2021
12	Business ethics	12 weeks	Jan-Apr 2021
13	Surface engineering of nano materials	08 weeks	Jan-Mar 2021
14	Introduction to abrasive machining and finishing	08 weeks	Jan-Mar 2021
15	Introduction to machining and machining fluids	08 weeks	Jan-Mar 2021
16	Mechatronics	08 weeks	Jan-Mar 2021
17	Mechanics of machining	08 weeks	Jan-Mar 2021
18	Introduction to launch vehicle analysis & design	08 weeks	Feb-Mar 2021
19	Enhancing soft skills and personality	08 weeks	Feb-Mar 2021
20	Human behaviour	08 weeks	Jan-Mar 2021

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Head of Department

Industrial & production engg.

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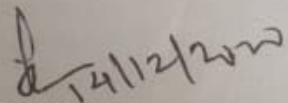
List of SWAYAM Courses for E&TC

4th Semester

S.No.	Course	Faculty Name	Start Date
1	Computer Architecture	Prof. Smruti Ranjan Sarangi (IIT Delhi)	Jan 18, 2021
2	Problem Solving through programming in C	Prof. Anupam Basu (IIT KGP)	Jan 18, 2021
3	Discrete Mathematics	Sudarshan Iyengar, Prof. Neeldhara (IIT Ropar, IIT Gandhinagar)	Jan 18, 2021

6th Semester

S.No.	Course	Faculty Name	Start Date
1	Introduction to Machine Learning	Prof. Balaraman Ravindran (IITM)	Jan 18, 2021
2	An Introduction to Artificial Intelligence	Prof. Mausam (IIT Delhi)	Jan 18, 2021
3	Introduction to Embedded System Design	Prof. Dhananjay V. Gadre, Prof. Badri Subudhi (Netaji Subhas University of Technology, IIT Jammu)	Jan 18, 2021


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Department of Electrical Engineering

12 Week NPTEL COURSES (Common For B.Tech 4th and 6th sem.)

S.No	Name of Course	Duration	Credit	Exam Date
1	Introduction to Time - Varying Electrical Networks	12	3	April 25, 2021
2	Power Management Integrated Circuits	12	3	April 25, 2021
3	Sensors and Actuators	12	3	April 25, 2021
4	Applied Linear Algebra for Signal Processing, Data Analytics and Machine Learning	12	3	April 25, 2021
5	Probability Foundations for Electrical Engineers	12	3	April 25, 2021
6	Fuzzy Sets, Logic and Systems & Applications	12	3	April 24, 2021
7	Transmission lines and electromagnetic waves	12	3	April 25, 2021
8	Introduction to Industry 4.0 and Industrial Internet of Things	12	3	April 25, 2021
9	Psychology of Stress, Health and Well-being	12	3	April 25, 2021
10	Energy Resources, Economics and Environment	12	3	April 24, 2021

8 Week NPTEL COURSES

	Name of Course	Duration	Credit	Exam Date
1	Introduction to Soft Computing	8	2	March 21, 2021
2	Evolution of Air Interface towards 5G	8	2	March 21, 2021
3	Electronics equipment integration and Prototype building	8	2	March 21, 2021
4	Optimal control	8	2	March 21, 2021
5	An Introduction to Information Theory	8	2	March 21, 2021
6	Power Quality Improvement Technique	8	2	March 21, 2021

4 Week NPTEL COURSES

	Name of Course	Duration	Credit	Exam Date
1	A brief introduction of Micro - Sensors	4	1	March 21, 2021
2	Recent Advances in Transmission Insulators	4	1	March 21, 2021

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