

JABALPUR ENGINEERING COLLEGE
MOOC Courses

DEPARTMENT OF ELECTRICAL ENGINEERING

3rd Semester

S. No.	Name of Subject	Mentor Institute	Date of Exam	Weeks
1	The Joy of Computing using Python	IIT Ropar	October 17, 2020	12
2	Entrepreneurship and IP strategy	IIT KGP	October 9, 2020	8
3	Body language: Key to professional Success	IITR	August 14, 2020	4

5th Semester

S. No.	Name of Subject	Mentor Institute	Date of Exam	Weeks
1	Applied Electromagnetics for Engineers	IITK	October 18, 2020	12
2	Energy Economics and Policy	IIT Mandi	October 9, 2020	8
3	Mathematical Modelling: Analysis and Applications	IITR	August 14, 2020	4

7th Semester

S. No.	Name of Subject	Mentor Institute	Date of Exam	Weeks
1	Introduction to Embedded System Design	NSUT and IIT Jammu	October 18, 2020	12
2	Introduction to Smart Grid	IITR	September 27,2020	8
3	Leadership	IIT KGP	August 14, 2020	4

Jabalpur Engineering College, Jabalpur
Department of Mechanical Engineering

NOTICE

The following NPTEL courses are recommended to the students for July-Dec 2020 session. Selection of course must be done strictly among the below listed courses in order to gain credits.

III Sem	
Course ID	Course Name
noc20-hs60	Soft skills
noc20-me46	Engineering Mechanics
noc20-ge20	Numerical Methods for Engineers

V Sem	
Course ID	Course Name
noc20-me50	Rapid Manufacturing
noc20-de07	System design for sustainability
noc20-ae11	Introduction to CFD

VII Sem	
Course ID	Course Name
noc20-hs79	Mathematical Modeling Of Manufacturing Processes
noc20-ae14	Introduction to Aircraft Design
noc20-mg58	Principles of Management

Kushagra Tiwari

HOD
(Mechanical)

Civil Engineering Department MOOC Courses for 3rd Semester students (optional)								
S.NO.	Course Name and Type	National Coordinators for MOOCs:	Faculty Name	Inst.	Duration	Start Date	End Date	Exam Date
1	Soft skills (common for all)	Swayam Nptel	Prof. Binod Mishra	IITR	12 weeks	20-Jul-20	9-Oct-20	18-Oct-20
2	Numerical Methods for Engineers (Common for all)	Swayam Nptel	Prof. Niket Kaisare	IITM	12 weeks	20-Jul-20	9-Oct-20	17-Oct-20
3	Glass Processing Technology (Departmental Elective)	Swayam Nptel	Prof. K N Satyanarayana, Prof. E. Rajasekar	IITR, IITM	12 weeks	20-Jul-20	9-Oct-20	18-Oct-20

Civil Engineering Department MOOC Courses for 5th Semester students (optional)								
S.NO.	Course Name and Type	National Coordinators for MOOCs:	Faculty Name	Inst.	Duration	Start Date	End Date	Exam Date
1	Foundation Engineering (Departmental Elective)	Swayam Nptel	Prof.Kousik Deb	IIT KGP	12 weeks	20-Jul-20	9-Oct-20	17-Oct-20
2	Glass In Buildings : Design And Applications (Departmental Elective)	Swayam Nptel	Prof. K N Satyanarayana & Prof. E Rajasekar	IITM & IITR	12 weeks	20-Jul-20	9-Oct-20	17-Oct-20
3	Municipal Solid Waste Management (Departmental Elective)	Swayam Nptel	Prof. Ajay Kalamdhad	IITK	12 weeks	20-Jul-20	9-Oct-20	18-Oct-20

Civil Engineering Department MOOC Courses for 7th Semester students (optional)								
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S.NO.	Course Name and Type	National Coordinators for MOOCs:	Faculty Name	Inst.	Duration	Start Date	End Date	Exam Date
1	Design of Masonry Structures (Departmental Elective)	Swayam Nptel	Prof. Arun Menon	IIT M	12 weeks	20-Jul-20	9-Oct-20	17-Oct-20
2	Introduction to Multimodal Urban Transportation Systems (MUTS) (Departmental Elective)	Swayam Nptel	Prof. Arkopal Kishore Goswami	IIT KGP	12 weeks	20-Jul-20	9-Oct-20	17-Oct-20
3	Earthquake Resistant Design of Foundations (Departmental Elective)	Swayam Nptel	Prof. B. K. Maheshwari	IITR	8 weeks	17-Aug-20	9-Oct-20	17-Oct-20
4	River Engineering (Departmental Elective)	Swayam Nptel	Prof. Subashisa Dutta	IITG	8 weeks	17-Aug-20	9-Oct-20	17-Oct-20

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Civil

MOOC Courses for 3rd Semester | E&TC

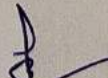
S.No.	Course Name	Faculty Name	Institution/s	Duration	Timeline
1.	Solid State Physics	Prof. Amal Kumar Das	IIT Kharagpur	12 weeks	Jul-Oct, 2020
2.	Waves And Oscillations	Prof. M. S. Santhanam	IISER Pune	12 weeks	Jul-Oct, 2020
3.	Soft Skills	Prof. Binod Mishra I	IIT Roorkee	12 weeks	Jul-Oct 2020

NPTEL Coordinator


HOD**MOOC Courses for 5th Semester | E&TC**

S.No.	Course Name	Faculty Name	Institution/s	Duration	Timeline
1.	Semiconductor Optoelectronics	Prof. M. R. Shenoy	IIT Delhi	12 weeks	Jul-Oct 2020
2.	Introduction To Embedded System Design	Prof. Dhananjay V. Gadre, Prof. Badri N Subudhi	Netaji Subhas University of Technology and IIT Jammu	12 weeks	Jul-Oct 2020
3.	Op-Amp Practical Applications: Design, Simulation And Implementation	Prof. Hardik Pandya	IISc Bangalore	12 weeks	Jul-Oct 2020

NPTEL Coordinator


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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING AND
INFORMATION TECHNOLOGY**

MOOCS / SWAYAM Courses Offered for B.Tech. 3rd Semester Students

S.No.	Course Name	Mentor Institute	Duration (Weeks)	Credit	Date of Examination
1	Switching Circuits and Logic Design	IIT, Delhi	12	3	October 9, 2020
2	Numerical Methods for Engineers	IIT, Madras	12	3	October 9, 2020
3	Soft Skills	IIT, Roorkee	12	3	October 9, 2020

MOOCS / SWAYAM Courses Offered for B.Tech. 5th Semester Students

S.No.	Course Name	Mentor Institute	Duration (Weeks)	Credit	Exam Date
1	Introduction to Internet of things	IIT, KGP	12	3	October 9, 2020
2	Social Networks	IIT, ROPAR	12	3	October 9, 2020
3	Object Oriented System Development using UML, Java and Patterns	IIT, KGP	12	3	October 9, 2020

Shimangi
15/06/2020
NPTEL COORDINATOR(CSE)

7/06/2020
15/06/2020
HEAD OF DEPARTMENT(CSE)

for Ajay
HEAD OF DEPARTMENT(IT)


**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING AND
INFORMATION TECHNOLOGY**

MOOCS / SWAYAM Courses Offered for B.Tech. 7th Semester Students

S.No.	Course Name	Mentor Institute	Duration (Weeks)	Credit	Exam Date
1	Deep Learning for Computer Vision	IITH	12	3	October 18, 2020
2	Reinforcement Learning	IITM	12	3	October 18, 2020
3	Introduction to Industry 4.0 and Industrial Internet of Things	IIT, KGP	12	3	October 18, 2020

INDUSTRIAL & PRODUCTION ENGINEERING DEPARTMENT
NPTEL COURSE LIST COMMON FOR ALL SEMESTER-JULY2020

S.no	Name of Course	Start Date	Total Week
1.	Advances in Welding and Joining Technologies	27.07.20	8 Weeks
2.	Advanced Machine Process	17.08.20	8 Weeks
3.	Advanced Fluid Mechanics	20.07.20	12 Weeks
4.	Automation in Manufacturing	20.07.20	12 Weeks
5.	Basis of Finite Element Analysis-I	17.08.20	8 Weeks
6.	Dynamic Behaviour of Materials	20.07.20	12 Weeks
7.	Customer Relationship Management	20.07.20	8 Weeks
8.	Ethics in Engineering Practice	17.08.20	8 Weeks
9.	Entrepreneurship and IP Strategy	17.08.20	8 Weeks
10.	Human Resource and Development	20.07.20	12 Weeks
11.	Industrial Safety Engineering	20.07.20	12 Weeks
12.	Introduction to Market Essentials	20.07.20	8 Weeks
13.	Marketing Management-I	17.08.20	8 Weeks
14.	Mechanism and Robot Kinematics	20.07.20	8 Weeks
15.	Developing of Soft skills and Personality	17.08.20	8 Weeks


18-06-2020

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Industrial and Production Engineering
Jabalpur Engineering College, Jabalpur