



PINNACLE GROUP INITIATIVES
ELITE COLLEGE OF ENGINEERING

E.C.E B. TECH COLLEGE APPROVED BY AICTE & AFFILIATED TO MAKAUT (WBUT)

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Date: 12th July, 2020

NOTICE

The students of 2nd, 4th and 6th semester are hereby informed that the Massive Open Online Courses (MOOCs) through NPTEL will be started from 20th July 2020 for the session July – December, 2020. In the view of the fact, the departments have suggested the courses (as attached with this notice) to be complied by the students.

The students are directed to comply at least one course in the Odd Semester (session 2020-21). Detailed registration link, date of commencement of the courses, end date and date of examination has been published in the SWAYAM website through the link swayam.gov.in. Regarding any kind of technical support, students are hereby notified to contact with Dr. Rakesh Kumar (Associate Professor, Mech. Engg.), SPOC-MOOCs.

(Dr. S. Basack)
Principal, ECE

Principal
Elite College of Engineering
Karnamadharpur, Ghola
Kolkata - 700 113

Distribution: **All students of 2nd, 4th and 6th Semester**

CC to:

1. Director (A & HR) – for kind information please
2. Director (O) – for kind information please
3. Mr. Sankar Ray – OIC, EIEM
4. Mr. P. K. Nag – AO, ECE
5. All faculty members through HODs
6. Web Manager
7. Dr. Rakesh Kumar, SPOC, MOOCs, ECE

Detailed MOOCs Course list for Electrical Engineering, Mechanical Engineering and Civil Engineering Students for the session July, 2020 – December, 2020

Sl No	Department	Semester	Subject/Topic
1	Electrical Engineering	3rd	Digital Electronics
		5th	Electrical Machine I
			Control Engineering
			Power system protection
		7th	Power system analysis
			Control System
			Basic Electrical circuits
Electrical Machine			
2	Civil Engineering	3rd	Strength of Material
		5th	Design of reinforced concrete structures
		7th	Foundation Engineering
3	Mechanical Engineering	3rd	Concept of Thermodynamics
		5th	Engineering Metrology
		7th	Steam Power Engineering

Recommended MOOCS for CSE 2nd Year students

Course Name	Course offered by	Course Details
Problem solving through Programming In C	Prof. Anupam Basu; IIT Kharagpur	Duration : 12 weeks Start Date : 20 Jul 2020 End Date : 09 Oct 2020 Exam Date : 17 Oct 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_cs56/preview
The Joy of Computing using Python (Also for 3 rd Year students)	Prof. Sudarshan Iyengar, Prof. Yayati Gupta; IIT Ropar	Duration : 12 weeks Start Date : 20 Jul 2020 End Date : 09 Oct 2020 Exam Date : 17 Oct 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_cs83/preview
Computer Fundamentals	Prof. Sanjay Tanwani; Devi Ahilya Viswavidyalaya, Indore	Duration : 12 weeks Start Date : 18 Jun 2020 End Date : 23 Sep 2020 Exam Date : Enrollment Ends : 31 Aug 2020 https://swayam.gov.in/nd2_cec20_cs11/preview
CIT-001: Fundamentals of Computer Systems	Shri. Mangala Prasad Mishra; Indira Gandhi National Open University	Duration : 12 weeks Start Date : 15 Jul 2020 End Date : Exam Date : https://swayam.gov.in/nd2_nou20_cs03/preview
Introduction to Programming in C	Prof. Satyadev Nandakumar; IIT Kanpur	Duration : 8 weeks Start Date : 20 Jul 2020 End Date : 11 Sep 2020 Exam Date : 27 Sep 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_cs91/preview
Technical English for Engineers (For all year students)	Prof. Aysha Iqbal; IIT Madras	Duration : 8 weeks Start Date : 20 Jul 2020 End Date : 11 Sep 2020 Exam Date : 27 Sep 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_hs56/preview
Computer architecture and organization (Also for 3 rd Year students)	Prof. Indranil Sengupta., Prof. Kamalika Datta; IIT Kharagpur	Duration : 12 weeks Start Date : 20 Jul 2020 End Date : 09 Oct 2020 Exam Date : 17 Oct 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_cs64/preview
Introduction to algorithms and analysis (Also for 3 rd Year students)	Prof. Sourav Mukhopadhyay; IIT Kharagpur	Duration : 12 weeks Start Date : 20 Jul 2020 End Date : 09 Oct 2020 Exam Date : 17 Oct 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_cs93/preview
Developing Soft Skills and Personality (For all year students)	Prof. T. Ravichandran; IIT Kanpur	Duration : 8 weeks Start Date : 17 Aug 2020 End Date : 09 Oct 2020 Exam Date : 18 Oct 2020 Enrollment Ends : 17 Aug 2020 https://swayam.gov.in/nd1_noc20_hs43/preview

Soft skills (For all year students)	Prof. Binod Mishra; IIT Roorkee	Duration : 12 weeks Start Date : 20 Jul 2020 End Date : 09 Oct 2020 Exam Date : 18 Oct 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_hs60/preview
Recommended MOOCS for CSE 3rd Year students		
Course Name	Course offered by	Course Details
Introduction to Operating Systems	Prof. Chester Rebeiro; IIT Madras	Duration : 8 weeks Start Date : 20 Jul 2020 End Date : 11 Sep 2020 Exam Date : 27 Sep 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_cs75/preview
Object Oriented Analysis and Design	Prof. Partha Pratim Das, Prof. Ansuman Banerjee, Prof. Kausik Datta; IIT Kharagpur	Duration : 8 weeks Start Date : 20 Jul 2020 End Date : 11 Sep 2020 Exam Date : 27 Sep 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_cs59/preview
Object Oriented System Development using UML, Java and Patterns	Prof. Rajib Mall; IIT Kharagpur	Duration : 12 weeks Start Date : 20 Jul 2020 End Date : 09 Oct 2020 Exam Date : 17 Oct 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_cs84/preview
Programming in C++ (Also for 2 nd Year students)	Prof. Partha Pratim Das; IIT Kharagpur	Duration : 8 weeks Start Date : 20 Jul 2020 End Date : 11 Sep 2020 Exam Date : 27 Sep 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_cs57/preview
Programming in Java (Also for 4 th Year students)	Prof. Debasis Samanta; IIT Kharagpur	Duration : 12 weeks Start Date : 20 Jul 2020 End Date : 09 Oct 2020 Exam Date : 17 Oct 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_cs58/preview
Human Rights and Humanitarian Law (For all Year students)	Dr. N. Pramod Singh; L.M.S Law College, Imphal Manipur	Duration : 12 weeks Start Date : 06 Jun 2020 End Date : 22 Aug 2020 Exam Date : 14 Nov 2020 Enrollment Ends : 31 Jul 2020 https://swayam.gov.in/nd2_cec20_ge26/preview
Stress Management (For all Year students)	Prof. Rajlakshmi Guha; IIT Kharagpur	Duration : 4 weeks Start Date : 20 Jul 2020 End Date : 14 Aug 2020 Exam Date : 27 Sep 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_ge18/preview
Computer Graphics	Prof. Samit Bhattacharya; IIT Guwahati	Duration : 8 weeks Start Date : 17 Aug 2020 End Date : 09 Oct 2020 Exam Date : 17 Oct 2020 Enrollment Ends : 17 Aug 2020 https://swayam.gov.in/nd1_noc20_cs90/preview

Introduction to R Software (Also for 4 th Year students)	Prof. Shalabh; IIT Kanpur	Duration : 8 weeks Start Date : 17 Aug 2020 End Date : 09 Oct 2020 Exam Date : 17 Oct 2020 Enrollment Ends : 17 Aug 2020 https://swayam.gov.in/nd1_noc20_ma53/preview
Basics of Digital Marketing (Also for 4 th year students)	Dr. Lalit Engle; Devi Ahilya Vishwavidyalaya, Indore	Duration : 12 weeks Start Date : 18 Jun 2020 End Date : Exam Date : 15 Nov 2020 Enrollment Ends : 31 Aug 2020 https://swayam.gov.in/nd2_cec20_mg15/preview
Digital Marketing (Also for 4 th year students)	Dr. Tejinderpal Singh; Panjab University, Chandigarh	Duration : 15 weeks Start Date : 20 Jul 2020 End Date : 31 Oct 2020 Exam Date : 15 Nov 2020 Enrollment Ends : 31 Aug 2020 https://swayam.gov.in/nd2_cec20_mg29/preview

Recommended MOOCS for CSE 4th Year students

Course Name	Course offered by	Course Details
Cloud Computing	Prof. Soumya Kanti Ghosh; IIT Kharagpur	Duration : 8 weeks Start Date : 20 Jul 2020 End Date : 11 Sep 2020 Exam Date : 27 Sep 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_cs65/preview
Google Cloud Computing Foundations	Prof. Soumya Kanti Ghosh, Multifaculty; IIT Kharagpur, Google Cloud	Duration : 8 weeks Start Date : 17 Aug 2020 End Date : 09 Oct 2020 Exam Date : 17 Oct 2020 Enrollment Ends : 17 Aug 2020 https://swayam.gov.in/nd1_noc20_cs96/preview
Introduction to Internet of Things	Prof. Sudip Misra; IIT Kharagpur	Duration : 12 weeks Start Date : 20 Jul 2020 End Date : 09 Oct 2020 Exam Date : 18 Oct 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_cs66/preview
Social Networks (Also for 3 rd Year)	Prof. Sudarshan Iyengar; IIT Ropar	Duration : 12 weeks Start Date : 20 Jul 2020 End Date : 09 Oct 2020 Exam Date : 17 Oct 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_cs78/preview
Software Engineering	Prof. Rajib Mall; IIT Kharagpur	Duration : 12 weeks Start Date : 20 Jul 2020 End Date : 09 Oct 2020 Exam Date : 18 Oct 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_cs68/preview
Fundamentals of Artificial Intelligence (Also for 3 rd Year)	Prof. Shyamanta M. Hazarika; IIT Guwahati	Duration : 12 weeks Start Date : 20 Jul 2020 End Date : 09 Oct 2020 Exam Date : 17 Oct 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_me88/preview

Artificial Intelligence Search Methods For Problem Solving (Also for 3 rd Year students)	Prof. Deepak Khemani; IIT Madras	Duration : 12 weeks Start Date : 20 Jul 2020 End Date : 09 Oct 2020 Exam Date : 17 Oct 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_cs81/preview
Python for Data Science	Prof. Rangunathan Rengasamy; IIT Madras	Duration : 4 weeks Start Date : 20 Jul 2020 End Date : 14 Aug 2020 Exam Date : 27 Sep 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_cs80/preview
Big Data Computing	Prof. Rajiv Misra; IIT Patna	Duration : 8 weeks Start Date : 17 Aug 2020 End Date : 09 Oct 2020 Exam Date : 18 Oct 2020 Enrollment Ends : 17 Aug 2020 https://swayam.gov.in/nd1_noc20_cs92/preview
Deep Learning	Prof. Prabir Kumar Biswas; IIT Kharagpur	Duration : 12 weeks Start Date : 20 Jul 2020 End Date : 09 Oct 2020 Exam Date : 17 Oct 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_cs62/preview
Introduction to Industry 4.0 and Industrial Internet of Things	Prof. Sudip Misra; IIT Kharagpur	Duration : 12 weeks Start Date : 20 Jul 2020 End Date : 09 Oct 2020 Exam Date : 17 Oct 2020 Enrollment Ends : 27 Jul 2020 https://swayam.gov.in/nd1_noc20_cs69/preview