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.

(Principal, ECE)
(Dr. S. Basack)
Principal, ECE
Elitte College of Engineering
Karnamadhabpur, 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

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Department</th>
<th>Semester</th>
<th>Subject/Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>Electrical Engineering</td>
<td>3rd</td>
<td>Digital Electronics</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Electrical Machine I</td>
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<tr>
<td></td>
<td></td>
<td>5th</td>
<td>Control Engineering</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Power system protection</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7th</td>
<td>Power system analysis</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Control System</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Basic Electrical circuits</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Electrical Machine</td>
</tr>
<tr>
<td>2</td>
<td>Civil Engineering</td>
<td>3rd</td>
<td>Strength of Material</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5th</td>
<td>Design of reinforced concrete structures</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7th</td>
<td>Foundation Engineering</td>
</tr>
<tr>
<td>3</td>
<td>Mechanical Engineering</td>
<td>3rd</td>
<td>Concept of Thermodynamics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5th</td>
<td>Engineering Metrology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7th</td>
<td>Steam Power Engineering</td>
</tr>
<tr>
<td>Course Name</td>
<td>Course offered by</td>
<td>Course Details</td>
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<tr>
<td>------------------------------------------------------</td>
<td>-------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------</td>
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</tr>
</tbody>
</table>
| 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](https://swayam.gov.in/nd1_noc20_cs56/preview) |
| The Joy of Computing using Python                     | 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](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](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](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](https://swayam.gov.in/nd1_noc20_cs91/preview) |
| Technical English for Engineers                       | 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](https://swayam.gov.in/nd1_noc20_hs56/preview) |
| Computer architecture and organization                | 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](https://swayam.gov.in/nd1_noc20_cs64/preview) |
| Introduction to algorithms and analysis               | 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](https://swayam.gov.in/nd1_noc20_cs93/preview) |
| Developing Soft Skills and Personality                | 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](https://swayam.gov.in/nd1_noc20_hs43/preview) |
<table>
<thead>
<tr>
<th>Course Name</th>
<th>Course offered by</th>
<th>Course Details</th>
</tr>
</thead>
</table>
| 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 2nd 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 4th 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 |
<table>
<thead>
<tr>
<th>Course Name</th>
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</tr>
</thead>
</table>
| Introduction to R Software                | 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                | 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                         | 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** |                                                        |                                                                                |
| 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                           | 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   | 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 |
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<th>End Date</th>
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<th>Registration Link</th>
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