

# NPTEL ONLINE CERTIFICATION COURSES

## Upcoming Courses (20 Hrs and 40 Hrs)

**24 courses** will be offered for certification starting 1 July 2015. These comprise 20 hr courses and full semester 40 hr courses.

### Short term courses (20 Hrs):

We have **17** short term courses.

Course duration: 1 July - 31 August 2015

**Course Enrollment dates : 18<sup>th</sup> May to 12<sup>th</sup> July 2015**

Course content: About 20 hrs of video lectures

Dates of exam: 6 September / 13 September 2015

courses (Course duration: July 1 - Aug 31) (Exam Dates: 6 and 13 September 2015)		
Computer Science and Engineering	Introduction to Programming in C	Prof.Satyadev Nandakumar & Prof. Amey Karkare (IITK)
	Design and Analysis of Algorithms	Prof.Madhavan Mukund (CMI)
	Computer Architecture	Prof.Madhu Mutyam (IITM)
	Fundamentals of database systems	Prof.Arnab Bhattacharya (IITK)
	Introduction to Data Analytics	Prof.Nandan Sudarsanam, Dr. Balaraman Ravindran (IITM)
Electrical Engineering	Basic Electrical Circuits	Prof.Nagendra Krishnapura (IITM)
	Analog Circuits	Prof.Nagendra Krishnapura (IITM)
	Principles of Modern CDMA/ MIMO/ OFDM Wireless Communications	Prof.Aditya Jagannantham (IITK)
Chemistry	Chemistry I	Prof.Mangala Sunder (IITM)
Civil Engineering	Sustainable River Basin Management	Prof. Franziska Steinbruch (IITM)
Mechanical and Aerospace Engineering	Foundation of Computational Fluid Dynamics	Prof.Vengadesan.S (IITM)
	Manufacturing Systems Technology	Prof.Shantanu Bhattacharya (IITK)
	Introduction to Airplane performance	DrA K Ghosh, Dr Deepu Philip (IITK)
Humanities and Management	Infrastructure Economics	Prof.Nalin Bharti (IIT Patna)
	Managing Services	Prof. Jayanta Chatterjee (IITK)
	Quantitative Finance	Prof. Raghu Nandan Sengupta (IITK)
	Practical English: Learning and Teaching	Prof. Bhaskar Dasgupta (IITK)

## Full semester courses (40 Hrs):

We have **7** short term courses.

Course duration: 1 July - 15 October 2015

**Course Enrollment dates : 18<sup>th</sup> May to 12<sup>th</sup> July 2015**

Course content: About 40-45 hrs of video lectures

Dates of exam: 1 November / 8 November 2015

40 hr courses (7 courses)	(Course duration: July 1 - October 15 2015)	(Exam Dates: 1 and 8 November 2015)
Electrical Engineering	Networks and Systems	Prof.V.G.K.Murti,Prof.Andrew Thangaraj, Prof.C.S.Ramalingam (IITM)
Comp Sci & Engg	Artificial Intelligence	Prof.Deepak Khemani (IITM)
Comp Sci & Engg	Functional Programming in Haskell	Prof.Madhavan Mukund (CMI)
Civil Engineering	Geosynthetics and Reinforced Soil Structures	Prof.K.Rajagopal (IITM)
Civil Engineering	Modern construction materials	Prof.Ravindra Gettu (IITM)
Comp Sci & Engg	Model Checking	Prof.Srivathsan.B (CMI)
Materials Sciences	Physics of Materials	Prof. Prathap Haridoss (IITM)

**To enroll in a Course : <https://onlinecourses.nptel.ac.in>**

The registered students have to send the following information to their respective NPTEL Coordinators

### **Information to be submitted by students through mail:**

Course Name, Student Name, Roll No, Year & Section, E-Mail-id (Prefer gmail account), Mobile Number, OC/BC/SC/ST

### **NPTEL Convener :**

Dr. R. Praveen Sam, Professor of CSE-Mobile: 9533050555

### **NPTEL Department Coordinators:**

CSE- Mr. P. Panchala Prasad, Asst Prof of CSE- [gprecnptelcse@gmail.com](mailto:gprecnptelcse@gmail.com), Mobile-9000087699

ECE-Mr. L.L. Prasanna Kumar, Asst. Prof of ECE- [gprecnptelece@gmail.com](mailto:gprecnptelece@gmail.com), Mobile-9618762804

ME-Mr.M. Murali Mohan, Asst. Prof of ME- [gprecnptelme@gmail.com](mailto:gprecnptelme@gmail.com), Mobile:9492502047

EEE-Mr. C. Harinatha Reddy, Asst. Prof of EEE- [gprecnpteleeee@gmail.com](mailto:gprecnpteleeee@gmail.com), Mobile: 9966124224

CE-Mr. S.V. Garata Reddy, Asst. Prof of CE- [gprecnptelce@gmail.com](mailto:gprecnptelce@gmail.com), Mobile:9160754720



## Online Certification Courses

Learn for free - Enroll today!

### 20-hr courses

Course duration: 1<sup>st</sup> Jul to 31<sup>st</sup> Aug 2015

Exam dates: 6<sup>th</sup> Sept/13<sup>th</sup> Sept 2015 (1pm - 4pm)

- |   |   |
|---|---|
| 1 Introduction to Programming in C<br>Prof. Satyadev Nandakumar, Amey Karkare (IITK)    | 10 Principles of Modern CDMA/MIMO/<br>OFDM Wireless Communications<br>Prof. Aditya Jagannatham (IITK) |
| 2 Computer Architecture<br>Prof. Madhu Mutyam (IITM)                                    | 11 Analog Circuits<br>Prof. Nagendra Krishnapura (IITM)   |
| 3 Design and Analysis of Algorithms<br>Prof. Madhavan Mukund (CMI)                      | 12 Basic Electrical Circuits<br>Prof. Nagendra Krishnapura (IITM)                                     |
| 4 Fundamentals of database systems<br>Prof. Arnab Bhattacharya (IITK)                   | 13 Chemistry I<br>Prof. Mangala Sunder (IITM)   |
| 5 Introduction to Data Analytics<br>Prof. Nandan Sudarsanam, Balaraman Ravindran (IITM) | 14 Infrastructure Economics<br>Prof. Nalin Bharti (IITP)  |
| 6 Introduction to Airplane performance<br>Prof. A. K. Ghosh, Deepu Philip (IITK)        | 15 Quantitative Finance<br>Prof. Raghu Nandan Sengupta (IITK)   |
| 7 Foundation of Computational<br>Fluid Dynamics<br>Prof. S. Vengadesan (IITM)           | 16 Managing Services<br>Prof. Jayanta Chatterjee (IITK)   |
| 8 Manufacturing Systems Technology<br>Prof. Shantanu Bhattacharya (IITK)                | 17 Practical English: Learning and Teaching<br>Prof. Bhaskar Dasgupta (IITK)                          |
| 9 Sustainable River Basin Management<br>Prof. Franziska Steinbruch (IITM)               |   |

### 40-hr courses

Course duration: 1<sup>st</sup> Jul to 15<sup>th</sup> Oct 2015

Exam dates: 1<sup>st</sup> Nov/8<sup>th</sup> Nov 2015 (1pm - 4pm)

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|---|--|
| 18 Networks and Systems<br>Prof. V. G. K. Murti, Andrew Thangaraj,<br>C.S.Ramalingam (IITM) | 22 Modern construction materials<br>Prof. Ravindra Gettu (IITM)                |
| 19 Artificial Intelligence<br>Prof. Deepak Khemani (IITM)                                   | 23 Geosynthetics and Reinforced<br>Soil Structures<br>Prof. K.Rajagopal (IITM) |
| 20 Model Checking<br>Prof. Srivathsan.B (CMI)   | 24 Physics of Materials<br>Prof. Prathap Haridoss (IITM)                       |
| 21 Functional Programming in Haskell<br>Prof. Madhavan Mukund (CMI)                         |  |