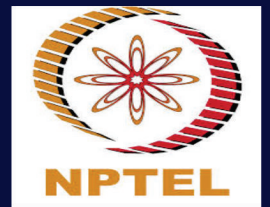




AN IN-HOUSE PUBLICATION OF SMS LUCKNOW



VOL-01 & ISSUE-01

SWAYAM-NPTEL
SMS LUCKNOW BULLETIN
(JAN-2016-OCT-2018)






COMPILATION & EDITED BY

SHAMIT SRIVASTAVA
SPOC (NPTEL - LOCAL CHAPTER)
SMS LUCKNOW



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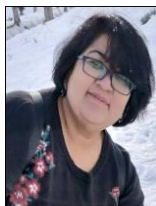
ACKNOWLEDGEMENTS



*My sincere gratitude towards the officials of **NPTEL Local Chapter** to provide the valuable & relevant data for this bulletin.*



*I am humbly thankful to **Prof. Satyaki Roy (National Coordinator-NPTEL & Professor IIT, Kanpur)** for his valuable support. It has been beyond appreciation in shaping the importance of value education programs.*



*I thank **Dr. Angana Sen Gupta, Nodal Coordinator Local Chapter (IIT, Kanpur)** for providing me with relevant data for this bulletin.*



*I owe my sincere gratitude to **Shri. Sharad Singh CEO & Secretary (SMS, Lucknow)**, who has been the source of inspiration and encouragement from the beginning, he has taken a keen interest at all stages of the preparation of this bulletin. Without his help, this bulletin would not have been possible.*



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MESSAGE FROM THE NATIONAL COORDINATOR (NPTEL)



We have concluded one more successful semester in NPTEL Online Certification Program. This has been our biggest semester yet with 263 courses having more than 13.88 lakh enrolments and around 1.6 lakh learners registering for examinations.

National Programme on Technology Enhanced Learning (NPTEL) is a project of MHRD created to provide quality education to anyone interested in learning from the IITs. Every January and July, anywhere between 250-300 courses are offered online - free of cost - for anyone to enroll and learn from.

The certification involves writing an exam for a nominal fee that is proctored and conducted in 120+ cities across India. 1010 online certification courses have been completed as on date with 290 courses currently open for enrollment at onlinecourses.nptel.ac.in.

As per a gazetted notification from the ministry in 2016 the students may be permitted by the Collage/ Institute to register to an NPTEL online course for upto 20% course credit every semester. The modalities for the credit transfer, selection of courses and payment of the examination fee are to be decided by the competent institute authorities.

For those who plan to pursue higher education NPTEL website offers you a free platform to prepare for the GATE examination. While you may get the solution to these questions across the web, we provide you an opportunity to explore and learn more on how you might arrive at the solution yourself. Every question in the GATE question bank will have a link to the particular NPTEL lecture, listening to which furnishes you with the right expertise to resolve the Gate questions

From 2018 summer onward, NPTEL has started offering internships to NOC exam toppers with course instructors in the respective IITs.

NPTEL also acts as a liaison between the Industries and Academia. Several courses that are offered in collaboration with industry partners expose our learners/students to the current market trends and best practices, while connecting the Industries to the best skill set.

All India Council for Technical Education (AICTE) the statutory body and a national-level council for technical education, under Department of Higher Education, Ministry of Human Resource Development and NPTEL have signed an MOU on July 24, 2018 whereby advanced NPTEL online certification courses are approved for Faculty Development Programme (FDP) by AICTE.

On behalf of NPTEL Team I welcome you all to nptel.ac.in for an enriching learning experience.

(Prof. Dr. Satyaki Roy)

National Coordinator (NPTEL) & Professor
Indian Institute of Technology (IIT), Kanpur



A WELCOME MESSAGE FROM OUR SECRETARY & CEO



"National Program of Technology Enhanced Learning (NPTEL) is an initiative of MHRD offering online certification courses. This initiative would impart a major boost to the Indian Education Sector. Online courses have become quite popular amongst the academic community as a large number of students and faculty members enroll for the courses offered by NPTEL.

School of Management Sciences, Lucknow was recognized as NPTEL Local Chapter in December, 2015 and the online courses commenced from January, 2016.

We have always encouraged our faculty members and students to make use of this online service for enhancing their knowledge base.

This type of initiative in the form of bulletin (SWAYAM-NPTEL, SMS Lucknow Local Chapter Bulletin) will keep all the stakeholders updated as we continue to grow from strength to strength in terms of the quality education we provide."

A handwritten signature in black ink, appearing to read 'Sharad Singh'. The signature is fluid and cursive, with a long horizontal stroke extending to the right.

(Sharad Singh)
Secretary & CEO
SMS, Lucknow



MESSAGE FROM THE DIRECTOR'S DESK



SMS Lucknow, recognizing the importance of the use of technology in the spread of knowledge, entered into the Massive Open Online Courses (MOOC) Forum by opening the NPTEL (National Programme on Technology Enhanced Learning) Centre of IIT Madras with effect from December, 2015. The initiative was like a startup as there were very few institutes across the State at that time to open up such centres. After regular nurturing of the activities of the centre and promoting the easily availability of rich content on a wide variety of subjects, the NPTEL Centre now is placed on a growth track. The efforts of SPOC -Mr Shamit Srivastava, and the support of the IIT Kanpur NPTEL Regional Nodal Centre have immensely contributed in building the importance of the Centre.

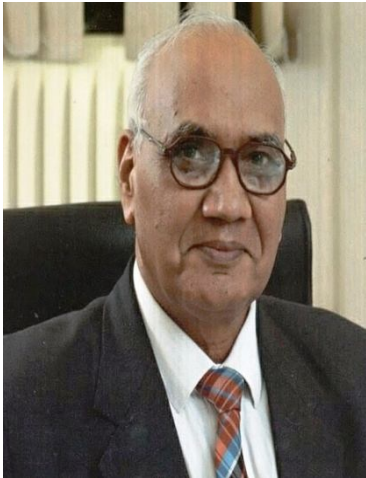
AICTE pushed the ICT teaching-learning methodology and last year Dr. APJ Abdul Kalam Technical University, Lucknow also recognized the importance of learning through the MOOC's platform and Credit was given by the University to the students pursuing a course through NPTEL starting with one subject of B.Tech in the final semester.

Now the move is aimed at getting NPTEL Certifications for the faculty members teaching in all professional courses.

I am sure the future of education will be through these teaching-learning methods and NPTEL will definitely have a first mover advantage along with being cost effective for the beneficiaries. The first right step has been taken and brighter days will follow.

Prof. (Dr.) Manoj Mehrotra
(Director)
SMS Lucknow

MESSAGE FROM DIRECTOR GENERAL (TECH.)



I feel immense pleasure to note that School of Management Sciences, Lucknow is releasing the "SWAYAM-NPTEL SMS Lucknow Local Chapter Bulletin". SMS Lucknow has created many milestones for the Quality-Education (Remote Center from IIT Bombay, Regional Spoken Tutorial Center & Moocs), the SWAYAM-NPTEL SMS Lucknow Local Chapter is another value addition to Faculty Development which ensures soundness and capability of faculty to deliver lectures in their domain.

SMS Lucknow has already produced many mentors since 2016, who have passed with Elite & Elite+Gold levels. AICTE has also notified that at least 25% of faculty strength of each programme must go through NPTEL for their minimum on course.

I extend heartiest congratulations to Mr. Shamit Srivastava & team, who are going for compiling the content effectively for publication to benefit maximum.

A handwritten signature in blue ink, appearing to read 'Bharat Raj Singh'.

Prof. (Dr.) Bharat Raj Singh,
Director General (Technical), SMS

MESSAGE FROM DEAN'S DESK



Massive Open Online Courses (MOOCS) through National Program on Technology Enhanced Learning (NPTEL) not only caters a blend of learning via technology but also provides an easy access for the students and faculty to comprehend and hone their skills of learning through the rich contents of various subject courses designed under the subject experts.

The courses under NPTEL are highly recognized by core educational bodies-AICTE and ICT and are recommended for students who are preparing for competitive or other entrance examinations. Moreover, the valuable support of IIT Kanpur, Regional Nodal Centre has been beyond appreciation in shaping the importance of the value education programs.

The courses under NPTEL are value based and provide a subjective guidance for the faculty as well to upgrade themselves in their domain of expertise for quality Teaching-Learning Methodology. Certification courses through NPTEL bearing the stamp of CCE, IIT are value additions for the students who are applying for their jobs, as well for the faculty members in enhancing their academic arenas.

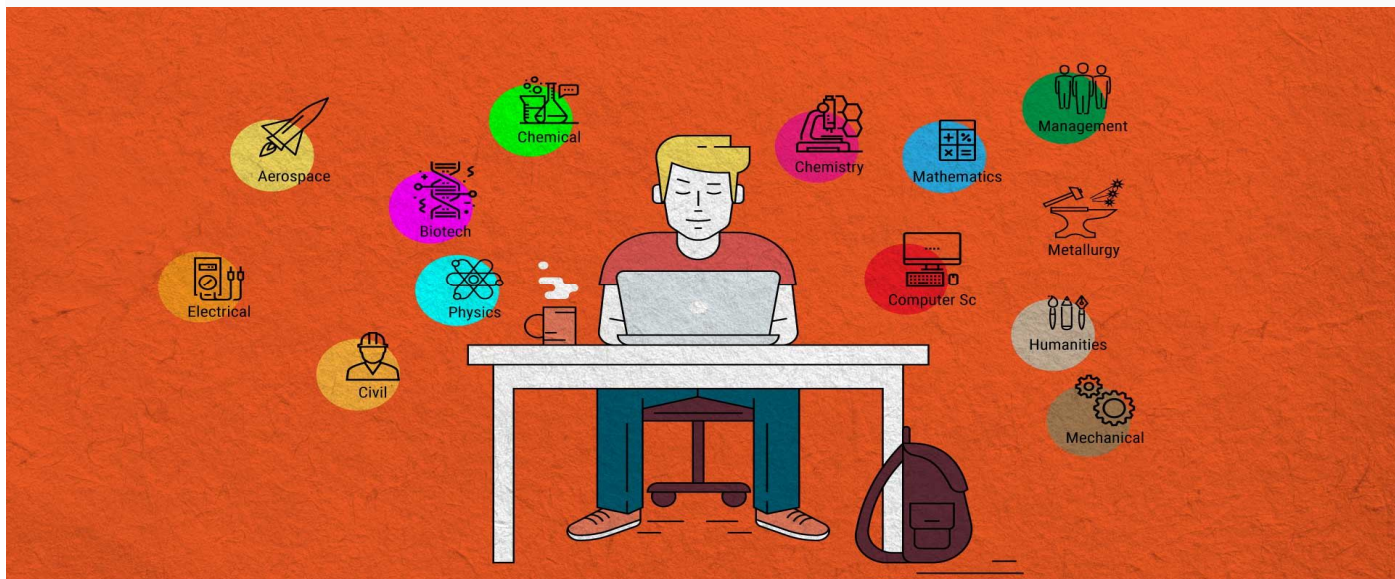
Dr. APJ Abdul Kalam Technical University has also recommended the affiliated institutions create awareness about the advantages of this online program of 4, 8 and 12 weeks courses among the students and the faculty members as a means of self-learning initiative and transforming learning from traditional to technology based.

I extend my heartiest gratitude to Mr. Shamit Srivastava for ideating and encoding '**Swayam**' bulletin for **NPTEL Local Chapter** at SMS, Lucknow which shall add another feather to the institute's growth with operational technology of *Learning & Research* based competency among students and faculty.

Prof. (Dr.) Dharmendra Singh

Dean-Academics (IET)

ABOUT NPTEL- The **National Programme on Technology Enhanced Learning (NPTEL)** was initiated by seven Indian Institutes of Technology (Bombay, Delhi, Kanpur, Kharagpur, Madras, Guwahati and Roorkee) along with the Indian Institute of Science, Bangalore in 2003. Five core disciplines were identified, namely, civil engineering, computer science and engineering, electrical engineering, electronics and communication engineering and mechanical engineering and 235 courses in web/video format were developed in this phase.



The main goal of NPTEL Phase II (2009-14) was to build on the engineering and core science courses launched previously in NPTEL Phase I. An additional 600 web and video courses were created in all major branches of engineering, physical sciences at the undergraduate and postgraduate levels and management courses at the postgraduate level. Several improvements such as indexing of all video and web courses and keyword search were implemented.

NPTEL Local Chapters – partnership with colleges:

NPTEL partners with around 1900+ colleges as on date in the form of NPTEL Local chapters and each college has a coordinator with who NPTEL works closely with.

NPTEL-SMS Lucknow Partnership-

SMS Lucknow had setup SMS-NPTEL Local chapter on Dec, 2015. The main objective of this SMS-NPTEL Local Chapter is to create awareness and enable students to obtain certification programme and make employable or pursue a suitable higher education.



NPTEL-SMS LUCKNOW LOCAL CHAPTER OFFERS

1) NPTEL-AICTE FDP

ABOUT-

All India Council for Technical Education (AICTE) the statutory body and a national-level council for technical education, under Department of Higher Education, Ministry of Human Resource Development and NPTEL have signed an MOU on July 24, 2018 whereby advanced NPTEL online certification courses are approved for Faculty Development Programme (FDP) by AICTE.



Purpose:-

NPTEL's initiative to support an ongoing professional learning platform for the Educators.

Beneficiary:-

- Faculty members of the partner colleges.

Criterion/Process:-

- Courses that fall under the FDP Category are identified.
- List of interested faculty members, who wish to upgrade their domain knowledge or gain delivery expertise or acquire diverse skill set, etc., is finalized.
- On passing the exam with a score $\geq 60\%$, a refund of 50% of the exam fee is given.

Impact:-

- Faculty Development Programs are prone to produce promising outcomes in the learning and teaching practices. A well supported FDP not only generates competent teachers, but also creates knowledgeable students.

S.N	No. of weeks of NPTEL Courses	No. of lectures per week	Total No. of Hrs. of engagement	Equivalence of NPTEL course with regular FDP
1	4	3	12	½ FDP of one week
2	8	3	24	Full FDP of one week
3	12	3	36	1½ FDP

AICTE Notification

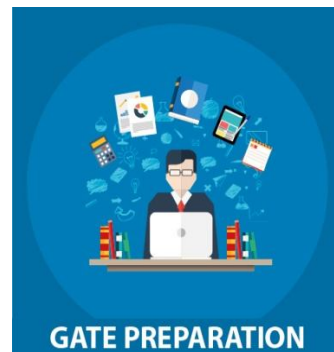
NPTEL is already conducting Advance and Basic Level courses through MOOCs (Massive Open Online Courses). A large number of Advance Level Courses are being offered by NPTEL. These are 1 credit, 2 credit and 3 credit courses. Since MOOCs (Massive Open Online Courses) of NPTEL are not full time like regular FDPs, it is decided that its equivalence to regular FDP shall be considered as under.



NPTEL MOOCs (Massive Open Online Courses) will have regular assignments and in person examination at the end. A test will be conducted by NPTEL and a certificate be issued to only those participants who attended the programme and qualify in the test.

2) NPTEL-GATE PREPRATION

Efficient learning is accumulation of knowledge. While you may get the solution to these questions across the web, we provide you an opportunity to explore and learn more on how you might arrive at the solution yourself. Every question in the question bank will have a link to the particular NPTEL lecture, listening to which furnishes you with the right expertise to resolve the Gate questions.



3) NPTEL INTERNSHIP

Purpose:-

- To help the students, orient towards Industry perspective.
- To facilitate students, apply their theoretical knowledge in a real time environment.

Beneficiary:-

- The top performers in select NPTEL Courses.

Criterion/Process:-

- Concurrence sought from the respective faculty members.
- Interested (top performing) students list shall be finalized.
- Travel, accommodation and stipend will be provided.
- NPTEL Internship Certificate will be issued.

Impact:-

These internships are a way of recognition to the top performers of the NPTEL Courses. We strongly believe that it would form the foundation for a long term career with the taste of the real world experience. Industry initiatives in this regard, will encourage aspiring students who strive to excel.



4) NPTEL INDUSTRY ORIENTED WORKSHOP

Purpose:-

- To expose the learners to current trends and technologies from the Industry perspective.

Beneficiary:-

- Students having the required score in select courses (that are relevant to the Industry conducting the workshop).



Criterion/Process:-

- Nature/Location of the workshop and pre-requisites for the attendees are finalized by the Company.
- Eligible candidates will register for the workshop.
- The registrants will make their own travel and accommodation arrangements.
- Venue, technical facilities for the workshop along with food/refreshments will be arranged.
- Logistics/expenses for the speakers and other interested Companies shall be provided.

Impact:-

- Adept students get an opportunity to know more about their field of study from eminent Industry representatives. It is also a possibility to explore on the hiring opportunities that other visiting companies might offer.

5) NPTEL INDUSTRY ASSOCIATE

National Programme on Technology Enhanced Learning (NPTEL) is an MHRD project which was initiated in 2003 to provide quality education for all those who have the interest to learn. Every semester about 250 – 300 courses are offered for certification to anyone to enrich their knowledge database.

Currently, NPTEL is working towards bringing in an industry perspective to its technically rich courses which led to the inception of NPTEL INDUSTRY ASSOCIATE (NIA). NPTEL aims to partner with organisations in a mutually beneficial manner by offering courses to train the fresher's and to cross-skill and up-skill the existing workforce. CSR initiatives are also welcomed as part of this association. For a detailed understanding of this partnership read through the MoU diligently.

NPTEL is aiming towards greater advancements in this new initiative of Industry associates.



JUL-OCT 2018 EXAM RESULT COURSEWISE

S.N	Course Name	Present	Gold	Elite	Success	Participation
1	Developing Soft Skills and Personality	1	1	0	0	0
2	Marketing Research & Analysis	2	1	1	0	0
3	Cloud Computing	1	0	1	0	0
4	Consumer Psychology	2	0	2	0	0
5	Introduction to Operations Research	4	0	4	0	0
6	Design of photovoltaic systems	1	0	0	1	0
7	Economic Growth and Development	1	0	0	1	0
8	Engineering fracture mechanics	1	0	0	1	0
9	Innovation, Business Models and Entrepreneurship	1	0	1	0	0
10	Marketing Management-I	1	0	0	1	0
11	Matrix Solver	2	0	0	2	0
12	Non-Conventional Energy Resources	1	0	1	0	0
13	Working Capital Management	2	0	0	2	0
14	Concrete Technology	1	0	0	1	0
15	Basic Electric Circuit	1	0	0	0	1
Total		22	2	10	9	1

FACULTY DEVELOPMENT PROGRAMME (FDP) RESULT JULY-OCT 2018

NAME	COURSE ID	COURSE NAME
1) MANOJ MEHROTRA	noc18-hs30	Developing Soft Skill & Personality
2) ASAD KAREEM USMANI	noc18-mg36	Innovation Business Model & Entrepreneurship
3) ASAD RAZA	noc18-mg36	Introduction to Operation Research
4) ASHOK SEN GUPTA	noc18-mg21	Economic Growth and Development
5) DR. HEMANT K. SINGH	noc18-cs44	Cloud Computing
6) JAYANTI BARANWAL	noc18-mg30	Marketing Management-I
7) JYOTI KUMARI	noc18-hs43	Consumer Psychology
8) ZAIN MEHDI	noc18-mg40	Working Capital Management
9) SUCHITA VISHWAKARMA	noc18-mg40	Consumer Psychology



TOPPER'S (JUL-OCT 2018)

DR. MANOJ MEHROTRA (91%)

ELITE+GOLD

COURSE NAME: DEVELOPING SOFT SKILLS & PERSONALITY



DR. UROOJ AHMAD SIDDIQUI (94%)

ELITE+GOLD

COURSE NAME: MARKETING RESEARCH & ANALYSIS



MS. SUCHITA VISHWAKARMA (86%)

ELITE

COURSE NAME: CONSUMER PSYCHOLOGY



MR. PANKAJ KUMAR YADAV (85%)

ELITE

COURSE NAME: INTRODUCTION TO OPERATION RESEARCH



PREVIOUS RESULT@GLANCE

S.N	Course Run	Present	Gold	Elite	Successful	Participation
1	JAN-APRIL 2018	8	0	6	2	0
2	JULY-DEC 2017	6	0	3	3	0
3	JAN-JUNE 2017	2	0	1	1	0
4	JAN-JUNE 2016	11	0	8	2	1

RESULT (JAN-APRIL 2018)

S.N	Course Run	Present	Gold	Elite	Successful	Participation
1	Soil Mechanics/Geotechnical Engineering I	3	0	1	2	0
2	Electronic Waste Management - Issues And Challenges	3	0	3	0	0
3	Language and Mind	1	0	1	0	0
4	Literary Theory and Literary Criticism	1	0	1	0	0
Total		08	0	6	2	0

TOPPER'S (JAN-APRIL 2018)

MS. SUJATA SINHA 82%

TOP 5 % OF CERTIFIED CANDIDATES

COURSE NAME: LITERARY THEORY AND LITERARY CRITICISM

MS. SUJATA SINHA (88%)

TOPPER OF CERTIFIED CANDIDATES

COURSE NAME: LANGUAGE AND MIND



RESULT (JULY-DEC 2017)

S.N	Course Name	Present	Gold	Elite	Success	Participation
1	Geotechnical engineering laboratory	2	0	2	0	0
2	Power system analysis	1	0	0	1	0
3	Corporate social responsibility	2	0	1	1	0
4	E-business	1	0	0	1	0
Total		06	0	3	3	0

RESULT (JAN-JUNE 2017)

S.N	Course Name	Present	Gold	Elite	Success	Participation
1	Hydration, Porosity and Strength of Cementitious Materials	1	0	0	1	0
2	Foundation Course in Managerial Economics	1	0	1	0	0
Total		02	0	1	1	0

RESULT (JAN-JUNE 2016)

S.N	Course Name	Present	Gold	Elite	Success	Participation
1	Introduction to Research	2	0	2	0	0
2	Technical English for Engineers	1	0	1	0	0
3	Language and Mind	1	0	1	0	0
4	Marketing Management-I	4	0	3	1	0
5	Principles of Human Resource Mgmt.	3	0	1	1	1
Total		11	0	8	2	1

TOPPER'S (JAN-JUNE 2016)

JYOTI KUMARI (80%)

TOPPER OF CERTIFIED CANDIDATES

COURSE NAME: MARKETING MANAGEMENT-I



SUCHITA VISHWAKARMA (80%)

TOPPER OF CERTIFIED CANDIDATES

COURSE NAME: MARKETING MANAGEMENT-I



MOHD AZAM (79%)

TOPPER OF CERTIFIED CANDIDATES

COURSE NAME: MARKETING MANAGEMENT-I



ENROLLMENT OPEN FOR (JAN-APRIL 2018)

TIMELINE	4 Weeks (SET 1)	8 Weeks (SET 1)	12 Weeks	4 Weeks (SET 2)	8 Weeks
Start of Course	28-Jan-19	28-Jan-19	28-Jan-19	25-Feb-19	25-Feb-19
End of Course	22-Feb-19	22-Mar-19	19-Apr-19	22-Mar-19	19-Apr-19
Exam Dates	31 March 2019 - 2 Sessions on each date : 9 am- 12 noon; 2 pm-5 pm		27 April 2019 and 28 April 2019 - 2 Sessions on each date : 9 am- 12 noon; 2 pm-5 pm		
Enrollment Open Date	Nov 15-2018				
Enrollment Close Date	04-Feb-19		04-Feb-19	25-Feb-19	



NPTEL COURSE LIST (JAN-APRIL 2019)

S.N	Institute	Discipline	Course Name	Duration	Course Start Date	Course End Date	Exam date
1	IIT Kanpur	Chemical Engineering	Engineering Thermodynamics	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
2	IIT Guwahati	Chemical Engineering	Chemical Engineering Thermodynamics	12 weeks	28-Jan-19	19-Apr-19	27-Apr-19
3	IIT Guwahati	Chemical Engineering	Mass Transfer Operations - I	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
4	IIT Madras	Chemical Engineering	Computational Fluid Dynamics	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
5	IIT Bombay	Chemical Engineering	Chemical Reaction Engineering II	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
6	IIT Bombay	Chemical Engineering	Heat Transfer	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
7	IIT Roorkee	Chemical Engineering	Mechanical Operations	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
8	IIT Bombay	Chemical Engineering	Chemical Process Control	8 Weeks	25-Feb-19	19-Apr-19	27-Apr-19
9	IIT Madras	Chemical Engineering	Process Control - Design, Analysis and Assessment	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
10	IIT Guwahati	Chemical Engineering	Transport Phenomena of Non-Newtonian Fluids	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
11	IIT Roorkee	Chemical Engineering	Waste to Energy Conversion	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
12	IIT Roorkee	Chemical Engineering	Equipment Design: Mechanical Aspects	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
13	IIT Guwahati	Chemical Engineering	Fluid Flow Operations	12 weeks	28-Jan-19	19-Apr-19	27-Apr-19
14	IIT Kanpur	Chemical Engineering	Thermodynamics Of Fluid Phase Equilibria	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
15	IISER Mohali	Chemistry and Biochemistry	Thermodynamics & Kinetics	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
16	IIT Bombay	Chemistry and Biochemistry	Organometallic Chemistry	4 Weeks	28-Jan-19	22-Feb-19	31-Mar-19
17	IIT Bombay	Chemistry and Biochemistry	Molecular Spectroscopy: A Physical Chemist's perspective	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
18	IISER Pune	Chemistry and Biochemistry	Medicinal Chemistry	12 weeks	28-Jan-19	19-Apr-19	27-Apr-19
19	IIT Kharagpur	Chemistry and Biochemistry	Biochemistry	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
20	IIT Kharagpur	Chemistry and Biochemistry	Experimental Biochemistry	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
21	IIT Bombay	Chemistry and Biochemistry	Advanced Transition Metal Organometallic Chemistry	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
22	IISER Pune	Chemistry and Biochemistry	Chemical Principles II	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
23	IIT Kharagpur	Chemistry and Biochemistry	Industrial Inorganic Chemistry	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
24	IIT Kanpur	Chemistry and Biochemistry	Laser: Fundamentals and Applications	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
25	IIT Kharagpur	Chemistry and Biochemistry	Reactive Intermediates Carbene and Nitrene	4 Weeks	25-Feb-19	22-Mar-19	28-Apr-19
26	IIT Bombay	Chemistry and Biochemistry	Metal Mediated Synthesis-I	4 Weeks	28-Jan-19	22-Feb-19	31-Mar-19
27	IIT Madras	Chemistry and Biochemistry	Electrochemical impedance Spectroscopy	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
28	IIT Kanpur	Chemistry and Biochemistry	Solid State Chemistry	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
29	IISc	Chemistry and Biochemistry	Symmetry and Structure in the Solid State	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
30	IIT Kharagpur	Civil Engineering	Soil Mechanics/Geotechnical Engineering I	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
31	IIT Kanpur	Civil Engineering	Earth Sciences For Civil Engineering Part - I & II	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
32	IIT Kanpur	Civil Engineering	Hydration, Porosity & Strength of Cementitious Materials	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
33	IIT Roorkee	Civil Engineering	Applied Environmental Microbiology	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
34	IIT Roorkee	Civil Engineering	Environmental Remediation of Contaminated Sites	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
35	IIT Kharagpur	Civil Engineering	Electronic Waste Management - Issues And Challenges	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
36	IIT Kharagpur	Civil Engineering	Plastic Waste Management	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
37	IIT Roorkee	Civil Engineering	Introduction to Remote Sensing	4 Weeks	28-Jan-19	22-Feb-19	31-Mar-19
38	IIT Roorkee	Civil Engineering	Digital Land Surveying And Mapping(DLS&M)	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
39	IIT Guwahati	Civil Engineering	Subsurface exploration :importance and techniques involved	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
40	IIT Kharagpur	Civil Engineering	Geotechnical Engineering II Foundation Engineering	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
41	IIT Madras	Civil Engineering	Geosynthetics And Reinforced Soil Structures	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
42	IIT Delhi	Civil Engineering	Energy Efficiency, Acoustics and daylighting in Building	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
43	IIT Kanpur	Civil Engineering	Natural Hazards - Part-1	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
44	IIT Madras	Civil Engineering	Advanced Topics in the Science and Technology of Concrete	4 Weeks	28-Jan-19	22-Feb-19	31-Mar-19



45	IIT Madras	Civil Engineering	Infrastructure Planning and Managements	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
46	IIT Kharagpur	Computer Science and Engi.	Compiler Design	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
47	IIT Madras	Computer Science and Engi.	Foundations to Computer Systems Design	12 weeks	28-Jan-19	19-Apr-19	27-Apr-19
48	IIT Kharagpur	Computer Science and Engi.	Computer Architecture and Organisation	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
49	IIT Guwahati	Computer Science and Engi.	Computer Organization and Architecture: A Pedagogical Aspect	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
50	IIT Ropar	Computer Science and Engi.	Discrete Mathematics	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
51	IIT Kharagpur	Computer Science and Engi.	Problem solving through Programming In C	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
52	IIT Kharagpur	Computer Science and Engi.	Programming in Java	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
53	CMI	Computer Science and Engi.	Programming, Data Structures and Algorithms using Python	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
54	IIT Ropar	Computer Science and Engi.	Joy of computing using Python	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
55	IIT Kharagpur	Computer Science and Engi.	Programming In C++	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
56	CMI	Computer Science and Engi.	Design and Analysis of Algorithms	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
57	IIT Kharagpur	Computer Science and Engi.	Data Base Management System	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
58	IIT Madras	Computer Science and Engi.	Data Science for Engineers	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
59	IIT Madras	Computer Science and Engi.	Machine Learning for Engineering and Science Applications	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
60	IIT Kharagpur	Computer Science and Engi.	Data Mining	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
61	IIT Guwahati	Computer Science and Engi.	Randomized Algorithms	12 weeks	28-Jan-19	19-Apr-19	27-Apr-19
62	IIT Guwahati	Computer Science and Engi.	Parallel Algorithms	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
63	IIT Madras	Computer Science and Engi.	AI:Knowledge Representation and Reasoning	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
64	IIT Kharagpur	Computer Science and Engi.	Discrete Structures	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
65	IIT Kharagpur	Computer Science and Engi.	Real Time Operating System	4 weeks	25-Feb-19	22-Mar-19	27-Apr-19
66	IIT Kharagpur	Computer Science and Engi.	Embedded System Design with ARM	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
67	IIT Kharagpur	Computer Science and Engi.	Introduction to Soft Computing	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
68	IIT Kharagpur	Computer Science and Engi.	Hardware Security	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
69	IIITD	Computer Science and Engi.	Privacy and Security in Online Social Media	8 weeks course in 12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
70	IIT Kharagpur	Computer Science and Engi.	Blockchain Architecture and Use Cases	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
71	IIT Kharagpur	Computer Science and Engi.	Cloud Computing	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
72	IIT Kharagpur	Computer Science and Engi.	Cryptography and Network Security	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
73	IIT Madras	Computer Science and Engi.	Information Security - 5 - Secure Systems Engineering	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
74	IIT Ropar	Computer Science and Engi.	Social networks	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
75	IIT Kharagpur	Computer Science and Engi.	Introduction to Internet of Things	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
76	IIT Kharagpur	Computer Science and Engi.	Introduction to Industry 4.0 and Industrial Internet of Things	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
77	IIT Patna	Computer Science and Engi.	Big Data Computing	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
78	IIT Kharagpur	Computer Science and Engi.	Introduction to Automata, Languages and Computation	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
79	IIT Madras	Computer Science and Engi.	Multimodal Interaction	4 Weeks	25-Feb-19	22-Mar-19	28-Apr-19
80	KTH Royal Inst. of Tech. Sweden	Computer Science and Engi.	Machine Learning,ML	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
81	IIT Madras	Computer Science and Engi.	Deep Learning – Part 2	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
82	IIT Kharagpur	Cryogenic (Chemical Engineering)	Mass, Momentum and Energy Balances in Engineering Analysis	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
83	IIT Kharagpur	Electrical Engineering	Electrical Machines - II	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
84	IIT Kharagpur	Electrical Engineering	Power System Engineering	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
85	IIT Bombay	Electrical Engineering	Fundamental of Power Electronics	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
86	IISc	Electrical Engineering	Fundamentals of semiconductor devices	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
87	IIT Delhi	Electrical Engineering	Principles of Digital Communications	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
88	IIT Kharagpur	Electrical Engineering	Modern Digital Communication Techniques	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
89	IIT Kanpur	Electrical Engineering	Principles of Signals and Systems	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
90	IIT Kanpur	Electrical Engineering	Principles of Communication Systems - I	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
91	IIT Kharagpur	Electrical Engineering	Digital Electronic Circuits	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
92	IIT Bombay	Electrical Engineering	Analog Circuits	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19

93	IIT Kharagpur	Electrical Engineering	Microprocessors And Microcontrollers	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
94	IIT Roorkee	Electrical Engineering	Computer Aided Power System Analysis	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
95	IIT Kharagpur	Electrical Engineering	Power System Dynamics, Control and Monitoring	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
96	IIT Roorkee	Electrical Engineering	Advance power electronics and Control	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
97	IIT Kharagpur	Electrical Engineering	Evolution of Air Interface towards 5G	8 Weeks	25-Feb-19	19-Apr-19	27-Apr-19
98	IITM	Electrical Engineering	LDPC and Polar Codes in 5G Standard	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
99	KTH Royal Inst. of Tech. Sweden	Electrical Engineering	Electromagnetic compatibility, EMC	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
100							
101	IIT Delhi	Electrical Engineering	Electric Vehicles - Part 1	4 Weeks	25-Feb-19	22-Mar-19	28-Apr-19
102	IIT Bombay	Electrical Engineering	Antennas	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
103	IIT Madras	Electrical Engineering	Introduction to Photonics	12 weeks	28-Jan-19	19-Apr-19	27-Apr-19
104	IIT Kanpur	Electrical Engineering	Electromagnetic Waves in Guided and Wireless Medium	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
105	IIT Roorkee	Electrical Engineering	Basics of software defined Radios	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
106	IIT Kharagpur	Electrical Engineering	Biomedical Signal Processing	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
107	IISc	Electrical Engineering	Advances in UHV Transmission and Distribution	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
108	IIT Roorkee	Electrical Engineering	CMOS Digital VLSI Design	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
109	IIT Kanpur	Electrical Engineering	Introduction to Coding Theory	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
110	IISc	Electrical Engineering	Advanced IOT Applications	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
111	IIT Madras	Electrical Engineering	Control engineering	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
112	IIT Madras	Electrical Engineering	Multirate DSP	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
113	IISc	Electrical Engineering	Mathematical Methods and Techniques in Signal Processing	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
114	IISc	Electrical Engineering	Electronic Systems for Cancer Diagnosis	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
115	IISc	Electrical Engineering	Electronic Modules for Industrial Applications using Op-Amps	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
116	IIT Madras	Humanities And Social Sciences	Patent Drafting for Beginners	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
117	IIT Madras	Humanities And Social Sciences	Patent Law For Engineers And Scientists	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
118	IIT Madras	Humanities And Social Sciences	American Literature & Culture	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
119	IIT Madras	Humanities And Social Sciences	The Nineteenth-Century English Novel	12 weeks	28-Jan-19	19-Apr-19	27-Apr-19
120	IIT Madras	Humanities And Social Sciences	Language And Mind	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
121	IIT Roorkee	Humanities And Social Sciences	Literature, Culture and Media	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
122	IIT Guwahati	Humanities and Social Sciences	Introduction to Modern Indian Drama	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
123	IIT Madras	Humanities And Social Sciences	Postmodernism in Literature	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
124	IIT Guwahati	Humanities and Social Sciences	Introduction to Political Theory	12 weeks	28-Jan-19	19-Apr-19	27-Apr-19
125	IIT Roorkee	Humanities And Social Sciences	Sociology of Science	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
126	IIT Kanpur	Humanities And Social Sciences	Elements of Visual Representation	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
127	IIT Kharagpur	Humanities And Social Sciences	Emotional Intelligence	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
128	IIT Kanpur	Humanities And Social Sciences	Introduction to Basic Cognitive Processes	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
129	IIT Kanpur	Humanities And Social Sciences	Introduction to the Psychology of Language	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
130	IIT Guwahati	Humanities and Social Sciences	Human Behaviour	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
131	IIT Guwahati	Humanities and Social Sciences	Introduction to Cognitive Psychology	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
132	IIT Kanpur	Humanities And Social Sciences	Psychiatry - An overview	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
133	IIT Roorkee	Humanities And Social Sciences	Perspectives on Neurolinguistic	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
134	IIT Madras	Humanities And Social Sciences	English language for Competitive exams	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
135	IIT Madras	Humanities And Social Sciences	Better Spoken English	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
136	IIT Kharagpur	Humanities And Social Sciences	Employment Communication A Lab based course	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
137	IIT Kharagpur	Humanities And Social Sciences	Speaking Effectively	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
138	IIT Kanpur	Humanities And Social Sciences	Enhancing Soft Skills and Personality	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
139	IIT Madras	Humanities And Social Sciences	Feminist Writings	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
140	IIT Madras	Humanities And Social Sciences	Introduction to World Literature	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
141	IIT Madras	Humanities And Social Sciences	Appreciating Carnatic Music	8 Weeks	25-Feb-19	19-Apr-19	27-Apr-19
142	University of Hyderabad	Humanities And Social Sciences	English Literature of the Romantic Period, 1798-1832	8 Weeks	25-Feb-19	19-Apr-19	27-Apr-19

143	IIT Kanpur	Humanities And Social Sciences	An Introduction to Microeconomics	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
144	IIT Kanpur	Humanities And Social Sciences	Postcolonial Literature	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
145	IIT Madras	Humanities And Social Sciences	Managing Intellectual Property at Universities	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
146	IIT Roorkee	Management	Business analytics and data mining Modeling using R	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
147	IIT Kharagpur	Management	Foundation Course in Managerial Economics	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
148	IIT Kharagpur	Management	Managing change in organizations	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
149	IIT Roorkee	Management	Financial Statement Analysis and Reporting	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
150	IIT Kharagpur	Management	Financial Institutions and Markets	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
151	IIT Kharagpur	Management	Principles Of Human Resource Management	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
152	IIT Kharagpur	Management	Sales and Distribution Management	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
153	IIT Kanpur	Management	Management of Field Sales	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
154	IIT Kharagpur	Management	Consumer Behaviour	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
155	IIT Kharagpur	Management	Services Marketing: A Practical Approach	4 Weeks	28-Jan-19	22-Feb-19	31-Mar-19
156	IIT Kanpur	Management	Marketing Management - II	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
157	IIT Roorkee	Management	Global Marketing Management	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
158	IIT Kharagpur	Management	Soft Skills For Business Negotiations And Marketing Strategies	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
159	IIT Roorkee	Management	Marketing Research and Analysis-II	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
160	IIT Roorkee	Management	Business Statistics	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
161	IIT Kharagpur	Management	Business Analytics For Management Decision	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
162	IIT Kanpur	Management	Data Analysis & Decision Making - II	12 weeks	28-Jan-19	19-Apr-19	27-Apr-19
163	IIT Roorkee	Management	MCDM Techniques Using R	4 weeks	25-Feb-19	22-Mar-19	27-Apr-19
164	IIT Kharagpur	Management	Six Sigma	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
165	IIT Kharagpur	Management	Quality Design And Control	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
166	IIT Kanpur	Management	Total Quality Management - II	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
167	IIT Roorkee	Management	Manufacturing Strategy	8 Weeks	25-Feb-19	19-Apr-19	27-Apr-19
168	IIT Roorkee	Management	Supply Chain Analytics	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
169	IIT Madras	Management	Operations and supply chain management	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
170	IIT Madras	Management	Design Thinking - A Primer	4 weeks	25-Feb-19	22-Mar-19	27-Apr-19
171	IIT Kanpur	Management	Advanced Green Manufacturing Systems	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
172	IIT Kanpur	Management	Systems Engineering: Theory & Practice	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
173	IIT Kharagpur	Mathematics	Engineering Mathematics - I	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
174	IIT Kharagpur	Mathematics	Integral and Vector Calculus	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
175	IIT Roorkee	Mathematics	Multivariable calculus	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
176	IIT Kharagpur	Mathematics	Transform Calculus and its applications in Differential Equations	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
177	IIT Bombay	Mathematics	Basic Linear Algebra	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
178	IIT Bombay	Mathematics	Calculus for Economics, Commerce & Management	8 Weeks	25-Feb-19	19-Apr-19	27-Apr-19
179	IIT Kharagpur	Mathematics	Probability and Statistics	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
180	IIT Kharagpur	Mathematics	Statistical Inference	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
181	IIT Roorkee	Mathematics	Dynamical System and Control	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
182	IIT Roorkee	Mathematics	Advanced Engineering Mathematics	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
183	IIT Roorkee	Mathematics	Mathematical Methods and its Applications	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
184	IIT Kanpur	Mathematics	Descriptive Statistics with R	4 weeks	25-Feb-19	22-Mar-19	28-Apr-19
185	IIT Bombay	Mathematics	Commutative Algebra	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
186	IIT Bombay	Mathematics	Galois Theory	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
187	IISER PUNE	Mathematics	Graph Theory	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
188	IIT Roorkee	Mechanical Engineering	Modelling and Simulation of Dynamic Systems	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
189	IIT Madras	Mechanical Engineering	Engineering Mechanics - Statics and Dynamics	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
190	IIT Kanpur	Mechanical Engineering	Basics of Finite Element Analysis-I	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
191	IIT Guwahati	Mechanical Engineering	Principles of Mechanical Measurement	12 weeks	28-Jan-19	19-Apr-19	27-Apr-19
192	IIT Kharagpur	Mechanical Engineering	Industrial Automation and Control	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19

193	IIT Roorkee	Mechanical Engineering	Automatic Control	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
194	IIT Kharagpur	Mechanical Engineering	Conduction and Convection Heat Transfer	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
195	IIT Roorkee	Mechanical Engineering	Convective Heat Transfer	4 Weeks	25-Feb-19	22-Mar-19	28-Apr-19
196	IIT Roorkee	Mechanical Engineering	Radiative Heat Transfer	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
197	IIT Roorkee	Mechanical Engineering	Steam and Gas Power Systems	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
198	IIT Guwahati	Mechanical Engineering	IC Engines and Gas Turbines	12 weeks	28-Jan-19	19-Apr-19	27-Apr-19
199	IIT Delhi	Mechanical Engineering	Thermodynamics	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
200	IIT Kharagpur	Mechanical Engineering	Concepts of Thermodynamics	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
201	IIT Kharagpur	Mechanical Engineering	Introduction to Fluid Mechanics	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
202	IIT Guwahati	Mechanical Engineering	Fundamental of Welding Science and Technology	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
203	IIT Roorkee	Mechanical Engineering	Joining Technologies for metals	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
204	IIT Roorkee	Mechanical Engineering	Principles of Casting Technology	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
205	IIT Roorkee	Mechanical Engineering	Weldability of Metals	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
206	IIT Kanpur	Mechanical Engineering	Manufacturing Process Technology	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
207	IIT Roorkee	Mechanical Engineering	Product Design and Development	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
208	IIT Roorkee	Mechanical Engineering	Manufacturing Guidelines for Product Design	8 Weeks	25-Feb-19	19-Apr-19	27-Apr-19
209	IIT Kanpur	Mechanical Engineering	Product Design and Manufacturing	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
210	IIT Kanpur	Mechanical Engineering	Rapid Manufacturing	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
211	IIT Roorkee	Mechanical Engineering	Inspection and Quality Control in Manufacturing	4 weeks	25-Feb-19	22-Mar-19	27-Apr-19
212	IIT Kharagpur	Mechanical Engineering	Introduction To Mechanical Micro Machining	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
213	IIT Kharagpur	Mechanical Engineering	Machinery Fault Diagnosis And Signal Processing	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
214	IIT Kharagpur	Mechanical Engineering	Electronic Packaging and Manufacturing	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
215	IIT Kharagpur	Mechanical Engineering	Kinematics of Mechanisms and Machines	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
216	IIT Roorkee	Mechanical Engineering	Surface Engineering of Nanomaterials	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
217	IIT Guwahati	Mechanical Engineering	Introduction to Machining and Machining Fluids	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
218	IIT Guwahati	Mechanical Engineering	Polymer Assisted Abrasive Finishing Processes	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
219	IIT Madras	Mechanical Engineering	Spray Theory	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
220	IIT Roorkee	Mechanical Engineering	Financial Mathematics	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
221	IIT Kanpur	Mechanical Engineering	BioMEMS and Microsystems	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
222	IIT Kanpur	Mechanical Engineering	Introduction To Composites	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
223	IIT Roorkee	Metallurgical And Materials Engg	Material Science and Engineering	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
224	IIT Delhi	Metallurgical And Materials Engg	Introduction to Materials Science and Engineering	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
225	IIT Madras	Metallurgical And Materials Engg	Fundamentals of electronic materials and devices	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
226	IIT Kanpur	Metallurgical And Materials Engg	Solar Photovoltaics: Principles, Technologies & Materials	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
227	IITR & IISc Bangalore	Metallurgical And Materials Engg	Friction and wear of materials: principles and case studies	8 Weeks	25-Feb-19	19-Apr-19	27-Apr-19
228	IIT Kharagpur	Metallurgical And Materials Engg	Surface Engineering for Corrosion and Wear Resistance Application	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
229	IIT Madras	Metallurgical And Materials Engg	Theory And Practice Of Non Destructive Testing	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
230	IIT Madras	Metallurgical And Materials Engg	Material Characterization	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
231	IIT Kanpur	Metallurgical And Materials Engg	Defects in Crystalline Solids (Part-II)	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
232	IITBhubaneshwar	Metallurgical And Materials Engg	Creep deformation of materials	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
233	IIT Madras	Metallurgical And Materials Engg	Welding Processes	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
234	IIT Kharagpur	Mining Engineering	Network Analysis for Mines and Mineral Engineering	4 Weeks	25-Feb-19	22-Mar-19	28-Apr-19
235	NIE	Multidisciplinary	Health Research Fundamentals	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
236	IIT Madras	Multidisciplinary	Effective Engineering Teaching In Practice	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
237	IIT Madras	Multidisciplinary	Introduction to Research	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
238	IISc	Multidisciplinary	Teaching And Learning in Engineering (TALE)	4 Weeks	25-Feb-19	22-Mar-19	27-Apr-19
239	IIT Kharagpur	Multidisciplinary	Qualitative Research Methods and Research Writing	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19



240	IIT Kanpur	Multidisciplinary	Introduction To Professional Scientific Communication	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
241	IIT Kharagpur	Multidisciplinary	Fuzzy Logic and Neural Networks	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
242	IIT Kharagpur	Multidisciplinary	Entrepreneurship Essentials	8 Weeks	25-Feb-19	19-Apr-19	27-Apr-19
243	IIT Kharagpur	Multidisciplinary	Roadmap for patent creation	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
244	IIT Madras	Multidisciplinary	Matlab Programming for Numerical Computation	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
245	IIT Madras	Multidisciplinary	Non-Conventional Energy Resources	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
246	NIRT	Multidisciplinary	Manage TB	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
247	IIT Kharagpur	Physics	Experimental Physics I	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
248	IIT Kanpur	Physics	Introduction to Solid State Physics	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
249	IIT Bombay	Physics	Quantum Mechanics I	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
250	IIT Guwahati	Physics	A brief course on Superconductivity	4 weeks	25-Feb-19	22-Mar-19	27-Apr-19
251	IIT Roorkee	Physics	Fiber Optics	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
252	IIT Madras	Physics	Statistical Mechanics	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
253	IIT Delhi	Physics	Semiconductors Optoelectronics	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19

LIST OF NPTEL ONLINE COURSES FOR AICTE FDP (JAN-APRIL 2019)

S.N	Institute	Discipline	Course Name	Duration	Course Start Date	Course End Date	Exam date
1	IIT Roorkee	Architecture and Planning	Principles and Applications of Building Science	4 weeks	25-Feb-19	22-Mar-19	27-Apr-19
2	IIT Bombay	Chemical Engineering	Chemical Process Control	8 Weeks	25-Feb-19	19-Apr-19	27-Apr-19
3	IIT Roorkee	Chemical Engineering	Waste to Energy Conversion	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
4	IIT Roorkee	Chemical Engineering	Equipment Design: Mechanical Aspects	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
5	IIT Kharagpur	Computer Science and Engineering	Programming in Java	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
6	IIT Delhi	Electrical Engineering	Principles of Digital Communications	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
7	IIT Kharagpur	Electrical Engineering	Modern Digital Communication Techniques	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
8	IIT Kanpur	Humanities And Social Sciences	Elements of Visual Representation	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
9	IIT Guwahati	Humanities and Social Sciences	Introduction to Cognitive Psychology	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
10	IIT Roorkee	Mechanical Engineering	Convective Heat Transfer	4 Weeks	25-Feb-19	22-Mar-19	28-Apr-19
11	IIT Delhi	Mechanical Engineering	Thermodynamics	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
12	NIE	Multidisciplinary	Health Research Fundamentals	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
13	IIT Madras	Multidisciplinary	Non-Conventional Energy Resources	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
14	IIT Kanpur	Aerospace Engineering	Advance Aircraft Maintenance	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
15	IIT Kharagpur	Aerospace Engineering	Satellite Attitude Dynamics and Control	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
16	IIT Roorkee	Architecture and Planning	Housing Policy & Planning	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
17	IIT Roorkee	Architecture and Planning	Urban governance and Development Management (UGDM)	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
18	IIT Kharagpur	Architecture and Planning	Landscape Architecture and Site Planning - Basic Fundamentals	8 Weeks	25-Feb-19	19-Apr-19	27-Apr-19
19	IIT Kharagpur	Architecture and Planning	Architectural Conservation And Historic Preservation	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
20	IIT Roorkee	Architecture and Planning	Visual Communication Design for Digital Media	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
21	IIT Roorkee	Architecture and Planning	User Interface Design	4 Weeks	25-Feb-19	22-Mar-19	28-Apr-19



22	IIT Kanpur	Biotechnology And Biosciences	Cell Culture Technologies	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
23	IIT Kanpur	Biotechnology And Biosciences	Forest Biometry	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
24	IISc	Biotechnology And Biosciences	Learning about Learning: A Course on Neurobiology of Learning and Memory	4 Weeks	28-Jan-19	22-Feb-19	31-Mar-19
25	IISc	Chemistry and Biochemistry	Multidimensional NMR Spectroscopy for Structural Studies of Biomolecules	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
26	IIT Madras	Chemistry and Biochemistry	Electrochemical impedance Spectroscopy	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
27	IISc	Chemistry and Biochemistry	Symmetry and Structure in the Solid State	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
28	IIT Kanpur	Civil Engineering	Hydration, Porosity & Strength of Cementitious Materials	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
29	IIT Roorkee	Civil Engineering	Applied Environmental Microbiology	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
30	IIT Roorkee	Civil Engineering	Environmental Remediation of Contaminated Sites	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
31	IIT Kharagpur	Civil Engineering	Electronic Waste Management - Issues And Challenges	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
32	IIT Kharagpur	Civil Engineering	Plastic Waste Management	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
33	IIT Roorkee	Civil Engineering	Digital Land Surveying And Mapping(DLS&M)	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
34	IIT Guwahati	Civil Engineering	Subsurface exploration :importance and techniques involved	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
35	IIT Madras	Civil Engineering	Geosynthetics And Reinforced Soil Structures	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
36	IIT Delhi	Civil Engineering	Energy Efficiency, Acoustics and daylighting in Building	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
37	IIT Kanpur	Civil Engineering	Natural Hazards - Part-1	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
38	IIT Madras	Civil Engineering	Advanced Topics in the Science and Technology of Concrete	4 Weeks	28-Jan-19	22-Feb-19	31-Mar-19
39	IIT Madras	Computer Science and Engineering	Data Science for Engineers	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
40	IIT Madras	Computer Science and Engineering	Machine Learning for Engineering and Science Applications	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
41	IIT Guwahati	Computer Science and Engineering	Randomized Algorithms	12 weeks	28-Jan-19	19-Apr-19	27-Apr-19
42	IIT Guwahati	Computer Science and Engineering	Parallel Algorithms	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
43	IIT Madras	Computer Science and Engineering	AI:Knowledge Representation and Reasoning	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
44	IIT Kharagpur	Computer Science and Engineering	Hardware Security	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
45	IIITD	Computer Science and Engineering	Privacy and Security in Online Social Media	8 weeks course in 12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
46	IIT Kharagpur	Computer Science and Engineering	Blockchain Architecture and Use Cases	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
47	IIT Kharagpur	Computer Science and Engineering	Introduction to Industry 4.0 and Industrial Internet of Things	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
48	KTH Royal Institute of Technology, Sweden	Computer Science and Engineering	Machine Learning,ML	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
49	IIT Kharagpur	Cryogenic	Mass, Momentum and Energy Balances in Engineering Analysis	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
50	IISc	Electrical Engineering	Mathematical Methods and Techniques in Signal Processing	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
51	IIT Madras	Humanities And Social Sciences	Patent Drafting for Beginners	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19

52	IIT Madras	Humanities And Social Sciences	Patent Law For Engineers And Scientists	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
53	IIT Madras	Humanities And Social Sciences	American Literature & Culture	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
54	IIT Madras	Humanities And Social Sciences	The Nineteenth-Century English Novel	12 weeks	28-Jan-19	19-Apr-19	27-Apr-19
55	IIT Roorkee	Humanities And Social Sciences	Literature, Culture and Media	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
56	IIT Guwahati	Humanities and Social Sciences	Introduction to Modern Indian Drama	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
57	IIT Madras	Humanities And Social Sciences	Postmodernism in Literature	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
58	IIT Roorkee	Humanities And Social Sciences	Sociology of Science	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
59	IIT Kharagpur	Humanities And Social Sciences	Emotional Intelligence	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
60	IIT Kanpur	Humanities And Social Sciences	Introduction to Basic Cognitive Processes	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
61	IIT Kanpur	Humanities And Social Sciences	An Introduction to Microeconomics	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
62	IIT Kanpur	Mathematics	Descriptive Statistics with R	4 weeks	25-Feb-19	22-Mar-19	28-Apr-19
63	IIT Roorkee	Mechanical Engineering	Radiative Heat Transfer	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
64	IIT Roorkee	Mechanical Engineering	Weldability of Metals: Mechanisms-weld defects & prevention	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
65	IIT Kharagpur	Mechanical Engineering	Machinery Fault Diagnosis And Signal Processing	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
66	IIT Madras	Multidisciplinary	Effective Engineering Teaching In Practice	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
67	IIT Madras	Multidisciplinary	Introduction to Research	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
68	IISc	Multidisciplinary	Teaching And Learning in Engineering (TALE)	4 Weeks	25-Feb-19	22-Mar-19	27-Apr-19
69	IIT Kharagpur	Multidisciplinary	Qualitative Research Methods and Research Writing	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
70	IIT Kanpur	Multidisciplinary	Introduction To Professional Scientific Communication	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
71	IIT Delhi	Textile Engineering	Theory of Yarn Structure	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
72	IIT Madras	Biotechnology And Biosciences	Bio-Informatics:Algorithms and Applications	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
73	IIT Bombay	Biotechnology And Biosciences	Introductory Mathematical Methods for Biologists	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
74	IIT Madras	Biotechnology And Biosciences	Medical Biomaterials	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
75	IIT Madras	Biotechnology And Biosciences	Principles Of Downstream Techniques In Bioprocess	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
76	IIT Kanpur	Biotechnology And Biosciences	Human Molecular Genetics	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
77	IIT Madras	Biotechnology And Biosciences	Demystifying The Brain	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
78	IIT Kanpur	Biotechnology And Biosciences	Wild Life Ecology	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
79	IIT Kanpur	Biotechnology And Biosciences	Animal Physiology	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
80	IIT Bombay	Biotechnology And Biosciences	Applications of interactomics using Genomics and proteomics technologies	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
81	IIT Madras	Chemical Engineering	Computational Fluid Dynamics	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
82	IIT Guwahati	Chemical Engineering	Transport Phenomena of Non-Newtonian Fluids	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
83	IIT Kanpur	Chemical Engineering	Thermodynamics Of Fluid Phase Equilibria	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
84	IISER Mohali	Chemistry and Biochemistry	Thermodynamics & Kinetics	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19



85	IIT Bombay	Chemistry and Biochemistry	Organometallic Chemistry	4 Weeks	28-Jan-19	22-Feb-19	31-Mar-19
86	IIT Bombay	Chemistry and Biochemistry	Molecular Spectroscopy: A Physical Chemist's perspective	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
87	IISER Pune	Chemistry and Biochemistry	Medicinal Chemistry	12 weeks	28-Jan-19	19-Apr-19	27-Apr-19
88	IIT Kharagpur	Chemistry and Biochemistry	Biochemistry	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
89	IIT Bombay	Chemistry and Biochemistry	Advanced Transition Metal Organometallic Chemistry	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
90	IIT Kharagpur	Chemistry and Biochemistry	Industrial Inorganic Chemistry	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
91	IIT Kanpur	Chemistry and Biochemistry	Laser: Fundamentals and Applications	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
92	IIT Bombay	Chemistry and Biochemistry	Metal Mediated Synthesis-I	4 Weeks	28-Jan-19	22-Feb-19	31-Mar-19
93	IIT Kanpur	Chemistry and Biochemistry	Solid State Chemistry	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
94	IIT Madras	Civil Engineering	Infrastructure Planning and Managements	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
95	IIT Guwahati	Computer Science and Engineering	Computer Organization and Architecture: A Pedagogical Aspect	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
96	IIT Ropar	Computer Science and Engineering	Discrete Mathematics	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
97	CMI	Computer Science and Engineering	Programming, Data Structures and Algorithms using Python	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
98	IIT Ropar	Computer Science and Engineering	Joy of computing using Python	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
99	IIT Kharagpur	Computer Science and Engineering	Programming In C++	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
100	IIT Kharagpur	Computer Science and Engineering	Data Base Management System	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
101	IIT Kharagpur	Computer Science and Engineering	Data Mining	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
102	IIT Kharagpur	Computer Science and Engineering	Real Time Operating System	4 weeks	25-Feb-19	22-Mar-19	27-Apr-19
103	IIT Kharagpur	Computer Science and Engineering	Embedded System Design with ARM	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
104	IIT Kharagpur	Computer Science and Engineering	Introduction to Soft Computing	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
105	IIT Kharagpur	Computer Science and Engineering	Cloud Computing	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
106	IIT Kharagpur	Computer Science and Engineering	Cryptography and Network Security	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
107	IIT Madras	Computer Science and Engineering	Information Security - 5 - Secure Systems Engineering	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
108	IIT Ropar	Computer Science and Engineering	Social networks	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
109	IIT Kharagpur	Computer Science and Engineering	Introduction to Internet of Things	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
110	IIT Patna	Computer Science and Engineering	Big Data Computing	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
111	IIT Kharagpur	Computer Science and Engineering	Introduction to Automata, Languages and Computation	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
112	IIT Madras	Computer Science and Engineering	Multimodal Interaction	4 Weeks	25-Feb-19	22-Mar-19	28-Apr-19
113	IIT Madras	Computer Science and Engineering	Deep Learning ? Part 2	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
114	IIT Roorkee	Electrical Engineering	Computer Aided Power System Analysis	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
115	IIT Kharagpur	Electrical Engineering	Power System Dynamics, Control and Monitoring	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
116	IIT Roorkee	Electrical Engineering	Advance power electronics and Control	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19



117	IIT Kharagpur	Electrical Engineering	Evolution of Air Interface towards 5G	8 Weeks	25-Feb-19	19-Apr-19	27-Apr-19
118	IITM	Electrical Engineering	LDPC and Polar Codes in 5G Standard	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
119	KTH Royal Institute of Technology, Sweden	Electrical Engineering	Electromagnetic compatibility, EMC	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
120	IIT Delhi	Electrical Engineering	Electric Vehicles - Part 1	4 Weeks	25-Feb-19	22-Mar-19	28-Apr-19
121	IIT Bombay	Electrical Engineering	Antennas	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
122	IIT Madras	Electrical Engineering	Introduction to Photonics	12 weeks	28-Jan-19	19-Apr-19	27-Apr-19
123	IIT Kanpur	Electrical Engineering	Electromagnetic Waves in Guided and Wireless Medium	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
124	IIT Roorkee	Electrical Engineering	Basics of software defined Radios	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
125	IIT Kharagpur	Electrical Engineering	Biomedical Signal Processing	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
126	IISc	Electrical Engineering	Advances in UHV Transmission and Distribution	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
127	IIT Roorkee	Electrical Engineering	CMOS Digital VLSI Design	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
128	IIT Kanpur	Electrical Engineering	Introduction to Coding Theory	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
129	IISc	Electrical Engineering	Advanced IOT Applications	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
130	IIT Madras	Electrical Engineering	Control engineering	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
131	IIT Madras	Electrical Engineering	Multirate DSP	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
132	IISc	Electrical Engineering	Electronic Systems for Cancer Diagnosis	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
133	IISc	Electrical Engineering	Electronic Modules for Industrial Applications using Op-Amps	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
134	IIT Kanpur	Humanities And Social Sciences	Psychiatry - An overview	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
135	IIT Roorkee	Humanities And Social Sciences	Perspectives on Neurolinguistic	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
136	IIT Kanpur	Humanities And Social Sciences	Enhancing Soft Skills and Personality	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
137	IIT Madras	Humanities And Social Sciences	Feminist Writings	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
138	IIT Madras	Humanities And Social Sciences	Introduction to World Literature	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
139	IIT Madras	Humanities And Social Sciences	Appreciating Carnatic Music	8 Weeks	25-Feb-19	19-Apr-19	27-Apr-19
140	University of Hyderabad	Humanities And Social Sciences	English Literature of the Romantic Period, 1798-1832	8 Weeks	25-Feb-19	19-Apr-19	27-Apr-19
141	IIT Kanpur	Humanities And Social Sciences	Postcolonial Literature	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
142	IIT Madras	Humanities And Social Sciences	Managing Intellectual Property at Universities	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
143	IIT Roorkee	Management	Business analysis and data mining Modeling using R	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
144	IIT Kharagpur	Management	Foundation Course in Managerial Economics	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
145	IIT Kharagpur	Management	Managing change in organizations	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
146	IIT Roorkee	Management	Financial Statement Analysis and Reporting	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
147	IIT Kharagpur	Management	Financial Institutions and Markets	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
148	IIT Kharagpur	Management	Principles Of Human Resource Management	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
149	IIT Kharagpur	Management	Sales and Distribution Management	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
150	IIT Kanpur	Management	Management of Field Sales	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
151	IIT Kharagpur	Management	Consumer Behaviour	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19



152	IIT Kharagpur	Management	Services Marketing: A Practical Approach	4 Weeks	28-Jan-19	22-Feb-19	31-Mar-19
153	IIT Kanpur	Management	Marketing Management - II	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
154	IIT Roorkee	Management	Global Marketing Management	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
155	IIT Kharagpur	Management	Soft Skills For Business Negotiations And Marketing Strategies	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
156	IIT Roorkee	Management	Marketing Research and Analysis-II	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
157	IIT Roorkee	Management	Business Statistics	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
158	IIT Kharagpur	Management	Business Analytics For Management Decision	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
159	IIT Kanpur	Management	Data Analysis & Decision Making - II	12 weeks	28-Jan-19	19-Apr-19	27-Apr-19
160	IIT Roorkee	Management	MCDM Techniques Using R	4 weeks	25-Feb-19	22-Mar-19	27-Apr-19
161	IIT Kharagpur	Management	Six Sigma	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
162	IIT Kharagpur	Management	Quality Design And Control	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
163	IIT Kanpur	Management	Total Quality Management - II	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
164	IIT Roorkee	Management	Manufacturing Strategy	8 Weeks	25-Feb-19	19-Apr-19	27-Apr-19
165	IIT Roorkee	Management	Supply Chain Analytics	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
166	IIT Madras	Management	Operations and supply chain management	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
167	IIT Madras	Management	Design Thinking - A Primer	4 weeks	25-Feb-19	22-Mar-19	27-Apr-19
168	IIT Kanpur	Management	Advanced Green Manufacturing Systems	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
169	IIT Kanpur	Management	Systems Engineering: Theory & Practice	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
170	IIT Kharagpur	Mathematics	Transform Calculus and its applications in Differential Equations	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
171	IIT Kharagpur	Mathematics	Probability and Statistics	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
172	IIT Kharagpur	Mathematics	Statistical Interference	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
173	IIT Roorkee	Mathematics	Dynamical System and Control	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
174	IIT Roorkee	Mathematics	Advanced Engineering Mathematics	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
175	IIT Roorkee	Mathematics	Mathematical Methods and its Applications	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
176	IIT Bombay	Mathematics	Commutative Algebra	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
177	IIT Bombay	Mathematics	Galois Theory	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
178	IISER PUNE	Mathematics	Graph Theory	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
179	IIT Roorkee	Mechanical Engineering	Modelling and Simulation of Dynamic Systems	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
180	IIT Kanpur	Mechanical Engineering	Basics of Finite Element Analysis-I	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
181	IIT Kharagpur	Mechanical Engineering	Industrial Automation and Control	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
182	IIT Roorkee	Mechanical Engineering	Automatic Control	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
183	IIT Roorkee	Mechanical Engineering	Steam and Gas Power Systems	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
184	IIT Guwahati	Mechanical Engineering	IC Engines and Gas Turbines	12 weeks	28-Jan-19	19-Apr-19	27-Apr-19
185	IIT Guwahati	Mechanical Engineering	Fundamental of Welding Science and Technology	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
186	IIT Roorkee	Mechanical Engineering	Joining Technologies for metals	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
187	IIT Roorkee	Mechanical Engineering	Principles of Casting Technology	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
188	IIT Kanpur	Mechanical Engineering	Manufacturing Process Technology	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
189	IIT Roorkee	Mechanical Engineering	Product Design and Development	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
190	IIT Roorkee	Mechanical Engineering	Manufacturing Guidelines for Product Design	8 Weeks	25-Feb-19	19-Apr-19	27-Apr-19

191	IIT Kanpur	Mechanical Engineering	Product Design and Manufacturing	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
192	IIT Kanpur	Mechanical Engineering	Rapid Manufacturing	12 weeks	28-Jan-19	19-Apr-19	28-Apr-19
193	IIT Roorkee	Mechanical Engineering	Inspection and Quality Control in Manufacturing	4 weeks	25-Feb-19	22-Mar-19	27-Apr-19
194	IIT Kharagpur	Mechanical Engineering	Introduction To Mechanical Micro Machining	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
195	IIT Kharagpur	Mechanical Engineering	Electronic Packaging and Manufacturing	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
196	IIT Kharagpur	Mechanical Engineering	Kinematics of Mechanisms and Machines	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
197	IIT Roorkee	Mechanical Engineering	Surface Engineering of Nanomaterials	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
198	IIT Guwahati	Mechanical Engineering	Introduction to Machining and Machining Fluids	8 weeks	25-Feb-19	19-Apr-19	27-Apr-19
199	IIT Guwahati	Mechanical Engineering	Polymer Assisted Abrasive Finishing Processes	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
200	IIT Madras	Mechanical Engineering	Spray Theory	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
201	IIT Roorkee	Mechanical Engineering	Financial Mathematics	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
202	IIT Kanpur	Mechanical Engineering	BioMEMS and Microsystems	8 weeks	25-Feb-19	19-Apr-19	28-Apr-19
203	IIT Kanpur	Mechanical Engineering	Introduction To Composites	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
204	IIT Madras	Metallurgical And Materials Engg	Fundamentals of electronic materials and devices	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
205	IIT Kanpur	Metallurgical And Materials Engg	Solar Photovoltaics: Principles, Technologies & Materials	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
206	IITR & IISc Bangalore	Metallurgical And Materials Engg	Friction and wear of materials: principles and case studies	8 Weeks	25-Feb-19	19-Apr-19	27-Apr-19
207	IIT Kharagpur	Metallurgical And Materials Engg	Surface Engineering for Corrosion and Wear Resistance Application	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19
208	IIT Madras	Metallurgical And Materials Engg	Theory And Practice Of Non Destructive Testing	8 weeks	28-Jan-19	22-Mar-19	31-Mar-19
209	IIT Kanpur	Metallurgical And Materials Engg	Defects in Crystalline Solids (Part-II)	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
210	IITBhubaneshwar	Metallurgical And Materials Engg	Creep deformation of materials	4 weeks	28-Jan-19	22-Feb-19	31-Mar-19
211	IIT Madras	Metallurgical And Materials Engg	Welding Processes	12 Weeks	28-Jan-19	19-Apr-19	27-Apr-19
212	IIT Kharagpur	Multidisciplinary	Fuzzy Logic and Neural Networks	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
213	IIT Kharagpur	Multidisciplinary	Entrepreneurship Essentials	8 Weeks	25-Feb-19	19-Apr-19	27-Apr-19
214	IIT Kharagpur	Multidisciplinary	Roadmap for patent creation	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
215	IIT Madras	Multidisciplinary	Matlab Programming for Numerical Computation	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
216	IIT Madras	Multidisciplinary	Manage TB	8 Weeks	25-Feb-19	19-Apr-19	28-Apr-19
217	CDSA, THSTI, DBT	Multidisciplinary	Current regulatory requirements for conducting clinical trials in India	4 Weeks	25-Feb-19	22-Mar-19	28-Apr-19
218	IIT Bombay	Multidisciplinary	Designing Learner-Centric MOOCs	4 Weeks	25-Feb-19	22-Mar-19	27-Apr-19
219	IIT Guwahati	Physics	A brief course on Superconductivity	4 weeks	25-Feb-19	22-Mar-19	27-Apr-19
220	IIT Roorkee	Physics	Fiber Optics	8 Weeks	28-Jan-19	22-Mar-19	31-Mar-19
221	IIT Delhi	Physics	Semiconductors Optoelectronics	12 Weeks	28-Jan-19	19-Apr-19	28-Apr-19

EXAM REGISTRATION (JAN-APRIL, 2019)

Exam Dates: 31-March (83 courses); 27-April (102 courses) and 28-April (105 courses) - both morning & afternoon sessions

Please find the link to registration for Jan - April 2019 exams here –

<http://nptelonlinecourses.iitm.ac.in/>

Note:

1. Please register for the exam 3 days after you have enrolled to the course.

2. Timelines & Guidelines

All timelines are updated throughout the semester.

Request candidates to periodically visit this page and read these timelines/guidelines carefully.

<https://goo.gl/xN3swV>

3. Exam fees

As shown below, depending on the date of exam registration and date of payment, exam fees will vary.

Exam fee for March 31, 2019 exam	
If you register for exam before Feb 18, 10 am	Exam fees will be Rs. 1100/- per exam
If you register for exam between Feb 18, 10 am & Feb 22, 10 am	Exam fees will be Rs. 1500/- per exam
Exam fee for April 27 & 28, 2019 exams	
If you register for exam before Mar 18, 10 am	Exam fees will be Rs. 1100/- per exam
If you register for exam between Mar 18, 10 am & Mar 22, 10 am	Exam fees will be Rs. 1500/- per exam

4. Using UNIQUE Email id for enrolment and exam registration

It is mandatory to use the same email id while enrolling to multiple courses.

The same email id has to be used while registering for exams also. Else,

Assignments score may not be counted towards final consolidated marks.

During exam city allocation, chances are that candidate may be randomly allocated to different exam cities, if he/she writing multiple exams using multiple email ids.

5. Course Booklet (Jan-April, 2019)-

To download the Course booklet please go to the link-

https://storagenptel.blob.core.windows.net/nptel-cdn/Booklet_Final-2019.pdf



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for his/her instrumental role as SPOC for the **SWAYAM-NPTEL** Local Chapter.
Thank you for being NPTEL's brand ambassador at your esteemed institution.

ACTIVE SPOC
JAN - JUN 2018

Active SPOC based on Candidate Performance
for the JAN - JUN 2018 semester

B. Ram
PROF. BHASKAR RAMAMURTHI
Chairman, NPTEL PIC
Director, IIT Madras



Prof. Satyaki Roy (Professor, IIT Kanpur) presented award of "Active College for NPTEL Activities" in presence of Dr. Mukul Singhal (IAS & Principal Secretary, Technical Education) & Prof. Vinay K. Pathak (Vice Chancellor- AKTU, Lucknow) to Mr. Shamit Srivastava (SPOC-Local Chapter, SMS, Lucknow) at IIT, Kanpur



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