

NPTEL: Create a MOOC of your course

Sridhar Iyer

Head, CDEEP

IIT Bombay

NPTEL

NATIONAL PROGRAMME ON TECHNOLOGY ENHANCED LEARNING

A PROJECT OF IITs AND IISc UNDER NMEICT, MHRD



2003-2014: CONTENT CREATION AND REPOSITORY FOR SELF LEARNING

2014- : CERTIFICATION FROM THE IITs/IISc



IIT BOMBAY



IIT DELHI



IIT GUWAHATI



IIT KANPUR



IIT KHARAGPUR



IIT MADRAS



IIT ROORKEE



IISc BANGALORE

NPTEL impact

- 1500+ courses
- 40K+ hours of video
- 330M+ youtube views

Online certification since 2014

- 740 courses
- 4.2M+ enrolments
- 270K+ exam registrations
- 80-90% pass percentage

NPTEL learner profiles

- 77% college students
- 15% faculty
- 8% industry

- 60% male
- 40% female

Reasons for taking NPTEL course

- Credit transfer
- GATE
- Placement
- Explore new domains

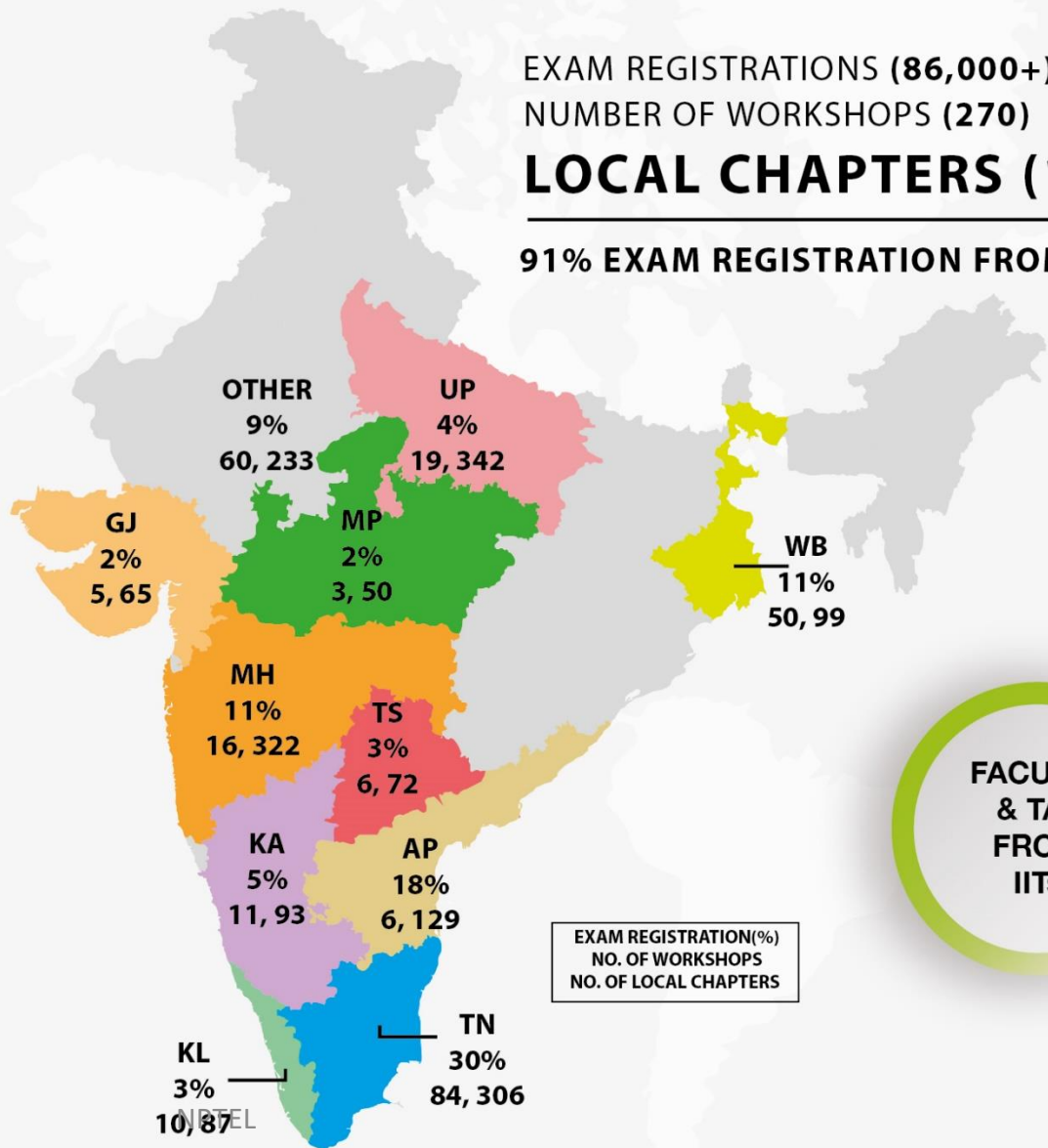
NPTEL LOCAL CHAPTERS (SINCE APRIL 2015)

EXAM REGISTRATIONS (86,000+)

NUMBER OF WORKSHOPS (270)

LOCAL CHAPTERS (1900+)

91% EXAM REGISTRATION FROM 10 STATES

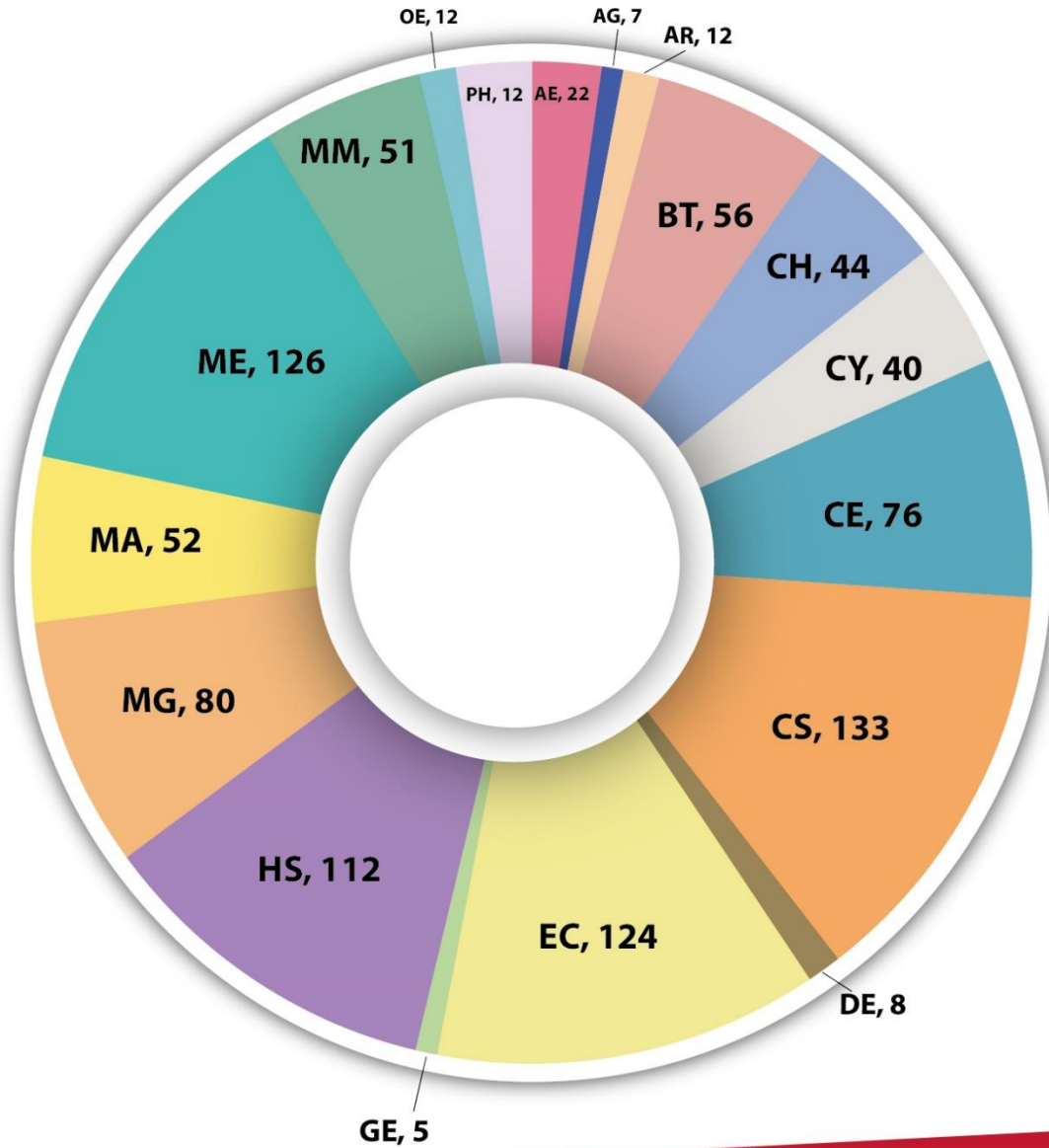


SWAYAM - NPTEL LOCAL CHAPTERS

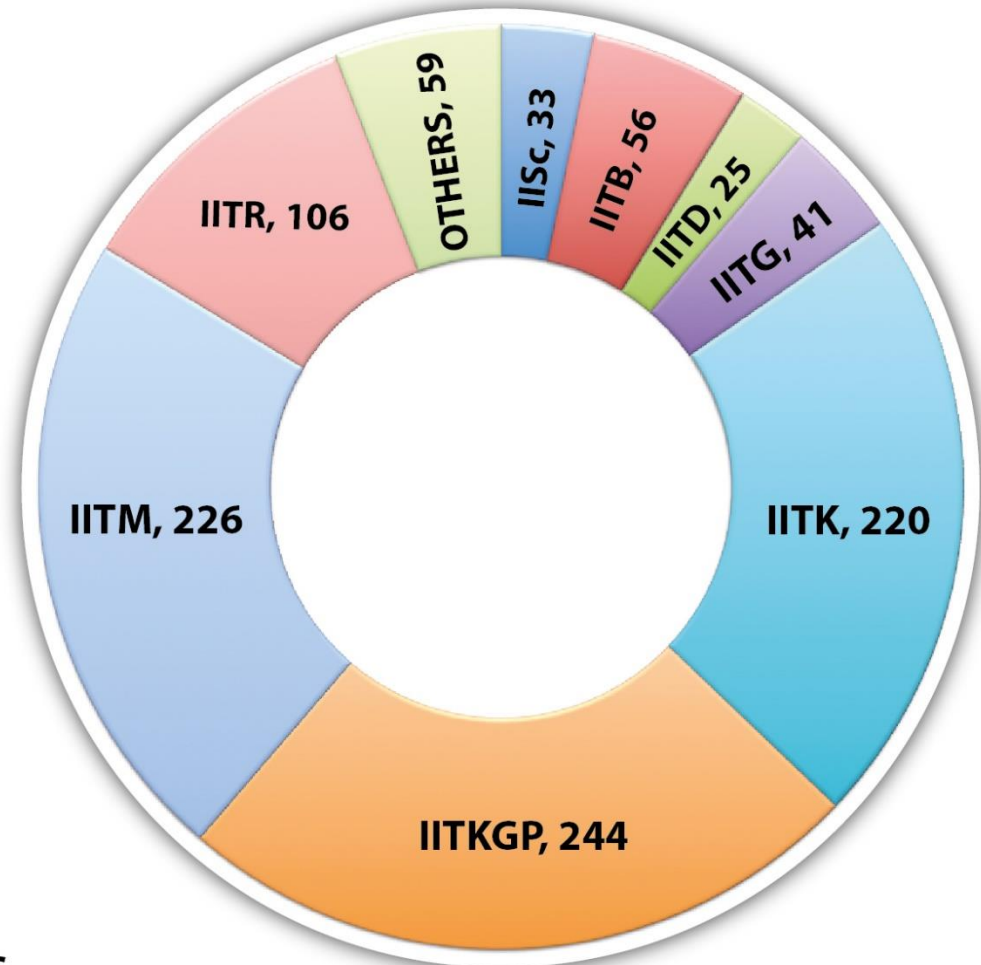
NPTEL partners with colleges across India as Local Chapters. A coordinator at the college helps take the initiative forward.



COURSES BY DISCIPLINE



OFFERING INSTITUTE



OTHERS
 CMI, IEST SHIBPUR, IIITB, IIITD, IIITH, IISER MOHALI, IISER PUNE, IIT BHILAI, IIT PATNA, IIT ROPAR, IMSc, NIE

Why should we participate?

- Outreach – Make courses available to students
- Identify talent – Invite toppers to become interns
- GATE - Get better prepared M.Tech students

- Honorarium
 - New course (12 weeks) - 4.5 L for faculty; 1.5 L for TAs.
 - Rerun course (12 weeks) - 1.5 L for faculty; 1.5 L for TAs.

How do we participate?

- Decide - 10 hours (4 weeks), 20 hours (8 weeks), 30 hours (12 weeks)
- Propose course and syllabus (week-wise plan) to NPTEL
- Create content (2.5 hour content need to be released per week)
- Create Assignments (one per week) and question paper (2 sets)
- Identify TAs (Minimum 2 TAs for checking the discussion forum, posting announcements etc.)
- Evaluate final scores of NOC (NPTEL Online Certification) exam
- Re-run alternate semesters (50% students pass)

Who has participated from IITB? (since 2015)

Discipline	Faculty
BioTechnology	Sanjeeva Srivastava; Shamik Sen; Ranjith Padinhateeri
Chemical	Supreet Saini; Ganesh Vishwanathan; Sujit Jogwar
Chemistry	Debabrata Maiti; Nand Kishore; M.S. Balarishna; P. Ghosh; C.P. Rao; Anindya Dutta; B.L. Tembe
Civil	J.N. Mandal
Computer Science	Abhiram Ranade
Electrical	K. Sankaran; Mahesh Patil; Girish Kumar; V.M. Gadre; Jayanta Mukherjee; S.N. Merchant; Vivek Agarwal; Swaroop Ganguly
Maths	Inder Rana; Dilip Patil
MEMS	M. P. Gururajan
Physics	Dipan Ghosh; U. A. Yajnik; Ramadevi

Interested?

Send email to nptel.iitb@gmail.com

With cc to head.cdeep@iitb.ac.in