



# NATIONAL PROGRAMME ON TECHNOLOGY ENHANCED LEARNING

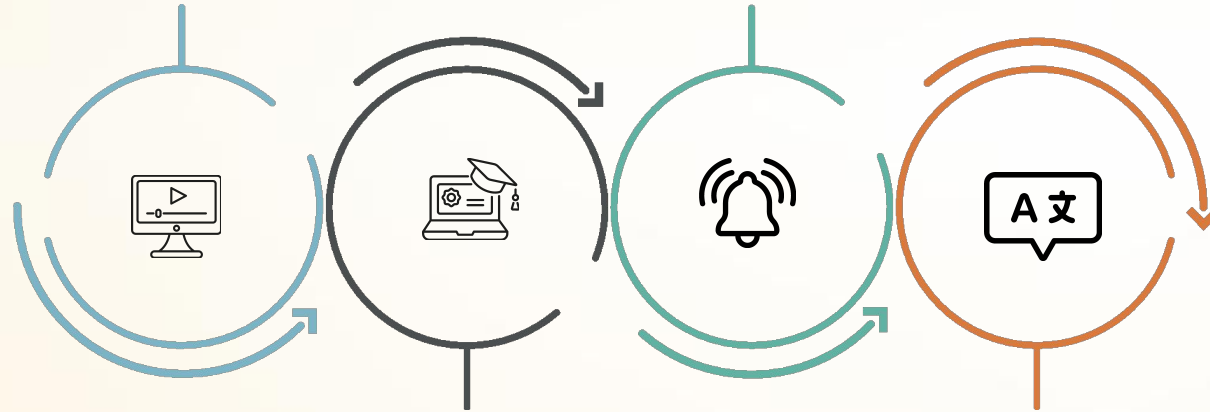
## Content Creation and Repository for self learning

## Certificate from the IITs/IISc

# NPTEL IMPACT & INFRASTRUCTURE

**1.84 billion+**  
Views

**5 million+**  
Youtube Subscribers

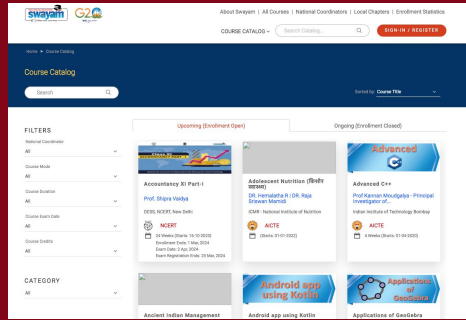


**3200+**  
Courses

**70850+**  
Hours of Videos with  
English Subtitles

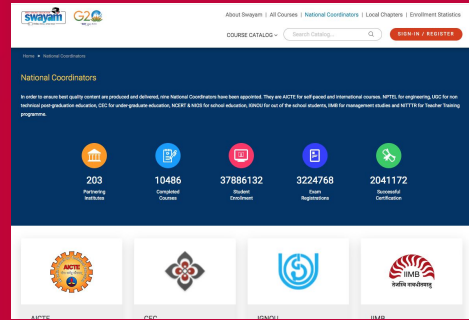


# NPTEL ONLINE CERTIFICATION (NOC), SINCE 2014



**Courses completed  
on SWAYAM**

**7518**



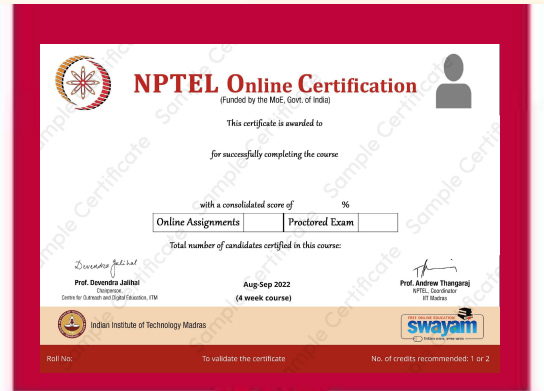
**Course Enrollments  
(free)**

**31.3 million**



**Proctored Exam  
Registrations  
(Optional For Fee)**

**5.36 million**



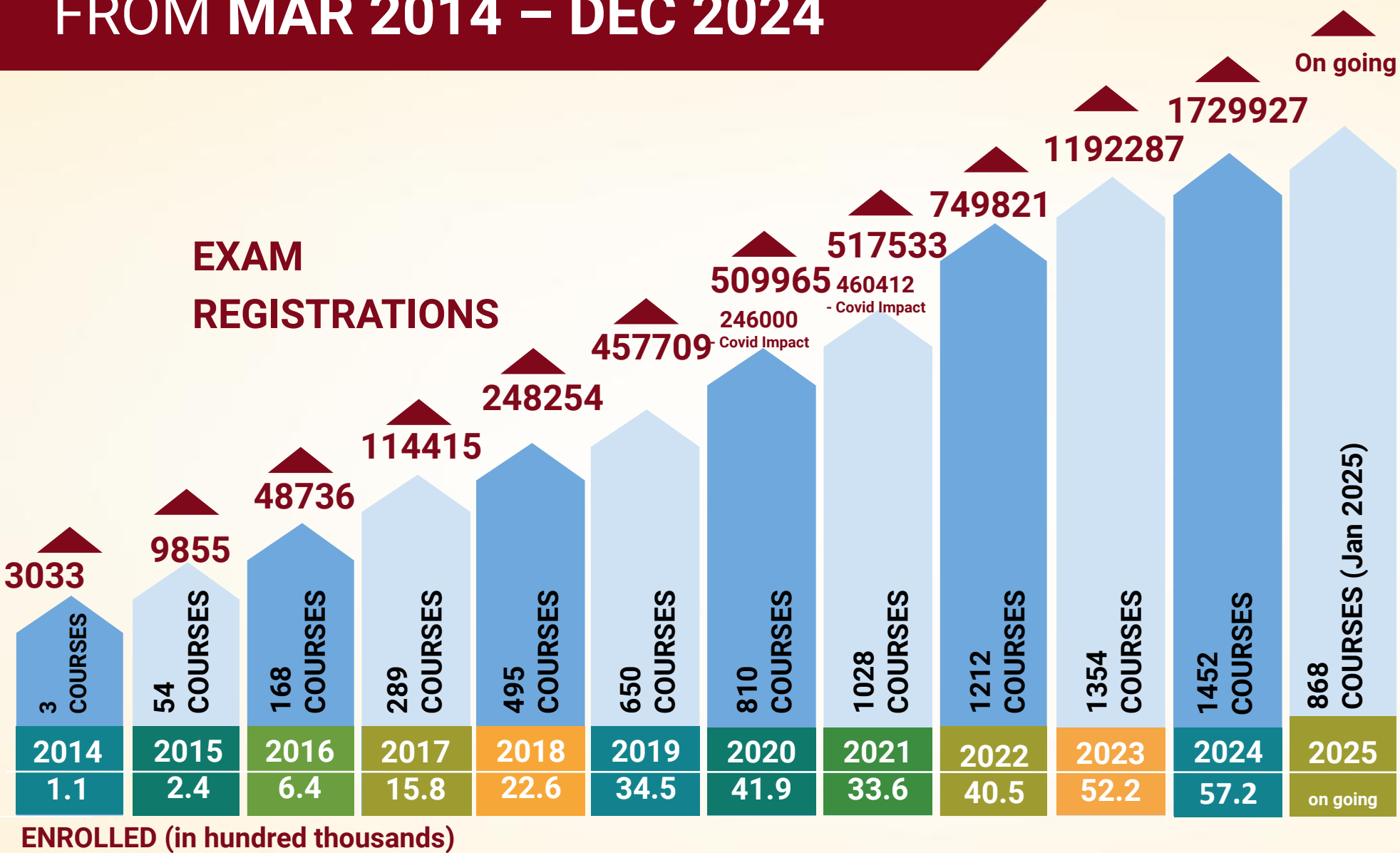
**Certified  
with e-verifiable  
certificates**

**3.35 million**

**On going semester Jan - April 2025:  
868 Courses - Enrollments are open now!**



# FROM MAR 2014 – DEC 2024



## COMPONENTS OF A MOOC



# OPEN, ONLINE COURSES - INDIAN CONTEXT



## GENERAL

### Humanities and Management

- Business ethics
- E- business
- Six sigma
- Applied linguistics
- Better spoken English



## ELECTIVE III/IV YR

### Civil Engineering

- Design of steel structures
- Waste management for a smart city
- Project planning and control
- Modern construction material

## BASIC/CORE I/II YR

### Electrical Engineering

- Basic electrical circuits
- Analog communication
- Electromagnetic theory
- Networks & systems
- Control theory

## JOB ORIENTED/ SKILLS

### Computer Science

- Introduction to machine learning
- Introduction to data analytics
- Matlab programming
- Design of vlsi circuits
- Internet of things
- 3G/4G/5G wireless communication



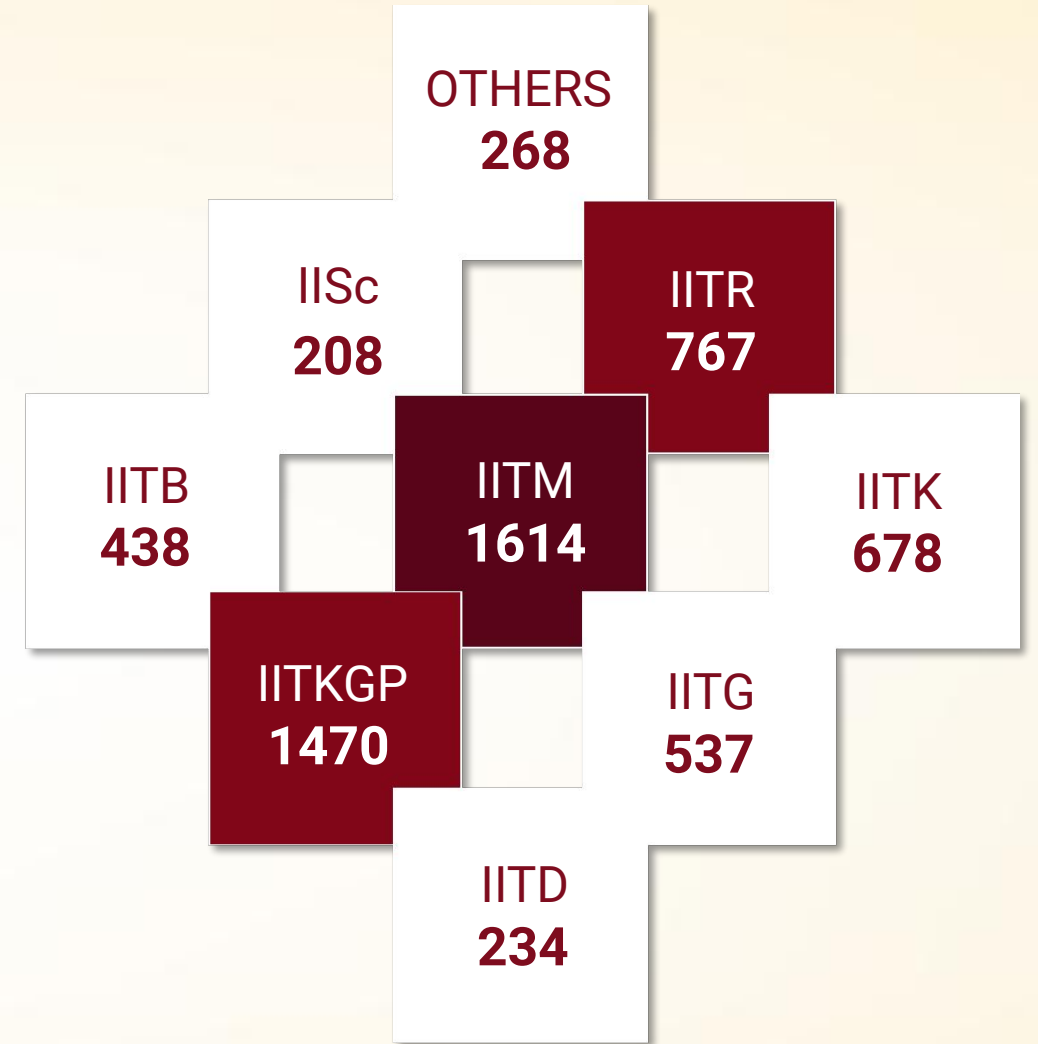
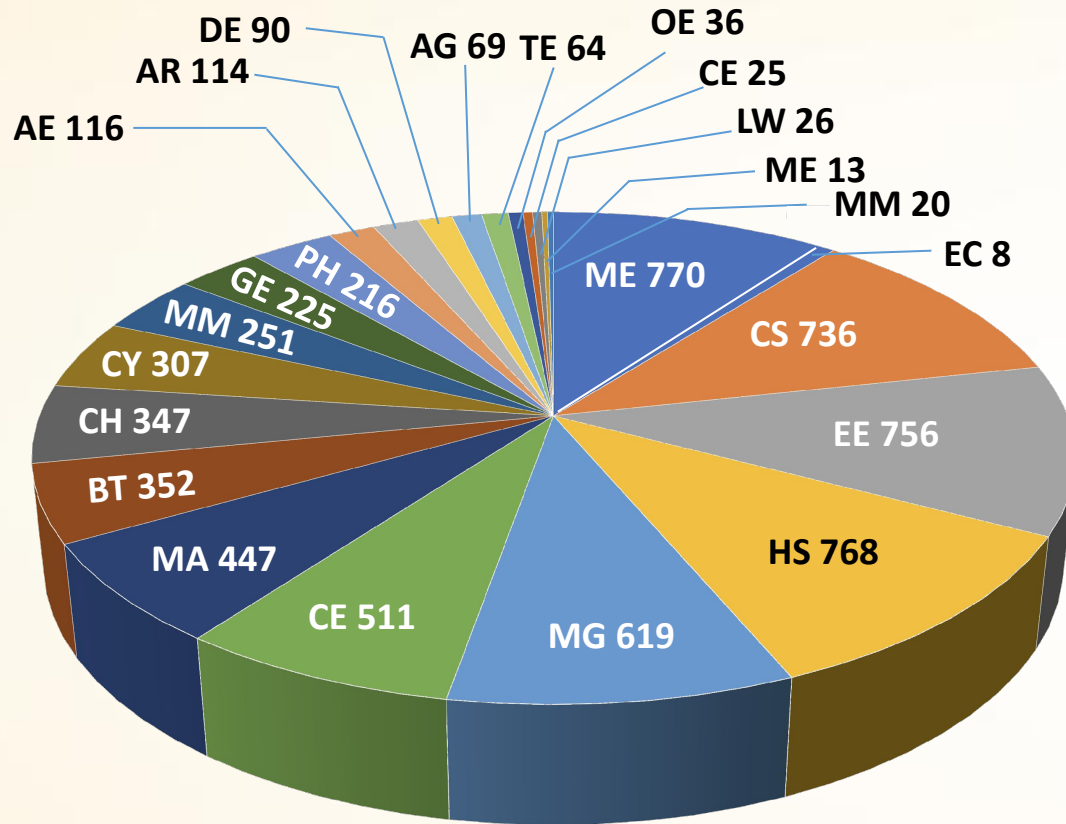
**Proctored in-person exam  
for credible certification**

**Engaging with colleges  
through NPTEL Local  
Chapter initiative**

**Engaging with Indian  
authorities: UGC, AICTE**

**Engaging with industry**

# COURSES BY DISCIPLINE



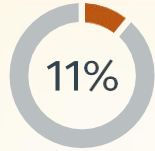
## Offering Institute

OTHERS - CMI, Homi Bhabha National Institute (HBNI), IEST Shibpur, IIIT Bangalore,, IIIT Delhi, IISER Bhopal, IISER Mohali, IISER Pune, IIT Gandhinagar,, IMSC , IIT Hyderabad, IIT Mandi, IIT Palakkad, NVIDIA , IIT Patna, IIT Ropar, IIT Tirupati, ISI bangalore, Kerala School of Mathematics, National Law School of India University, NIE, NIRT, Texas A&M, Chettinad Hospital and Research Institute , Amrita Vishwa Vidyapeetham, Banaras Hindu University, CDSA, THSTI, DBT

# LEARNER PROFILE, MOTIVATION AND RESULTS

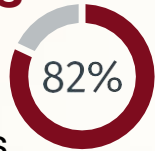
## FACULTY

- Strengthen foundation
- Explore new domains
- Continuous learning
- FDP



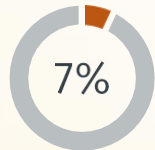
## COLLEGE STUDENTS

- Learn from the experts
- Learn at one's own pace
- Networking opportunities
- Improve employability, Internships



## INDUSTRY

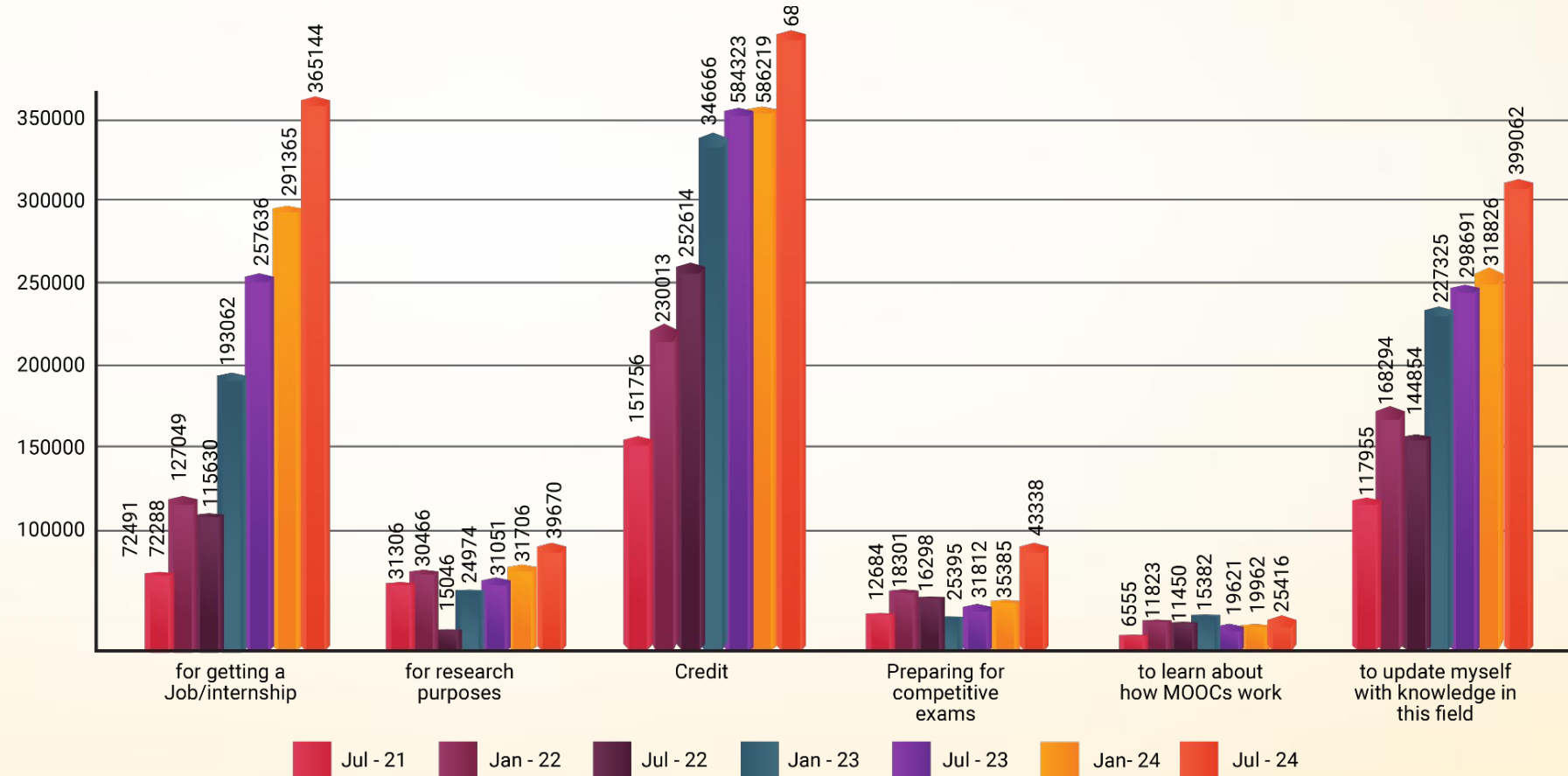
- Skilled recruits
- Job ready hires
- Fresher training
- Employee reskilling



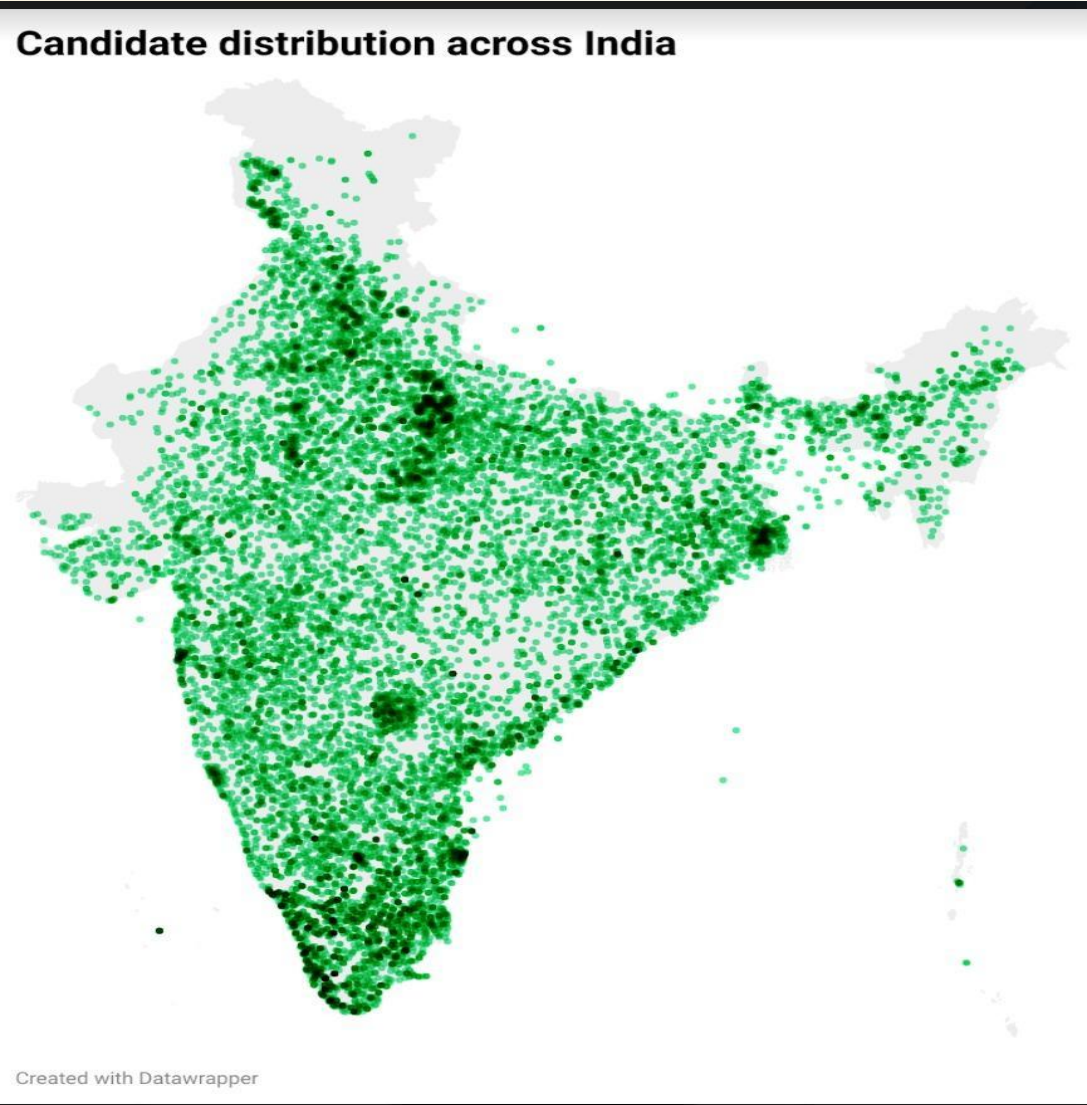
**88%**  
ATTENDANCE



**70%**  
PASS



# NPTEL CANDIDATE DISTRIBUTION



## International Candidate: Enrollment & Registration

Semester	Enrollment Count	Registration Count
Jan 2023	17542	251
July 2023	20963	626
Jan 2024	17395	414
July 2024	15682	496

The **top 5 foreign countries** for enrollment are the **United States of America, Germany, United Arab Emirates, Nepal, and Great Britain.**



# NPTEL DOMAIN CERTIFICATION

## COMPUTER SCIENCE

- Artificial intelligence
- Data science
- Programming
- Foundations of computing systems



## CIVIL ENGINEERING

- Construction materials & technology
- Structural analysis
- Structural design
- Environment



## ELECTRICAL ENGINEERING

- VLSI design
- Communication and Signal Processing
- Power Systems and Power Electronics
- Control and Instrumentation
- Photonics



## MECHANICAL ENGINEERING

- Product Design
- Manufacturing Processes and Technology
- Energy Systems

## DOMAIN CERTIFICATE



### WHY?

Helps Prepare for  
Technical Competitions  
Better Career Prospects



### WHAT?

Certification in specific area in a  
Discipline

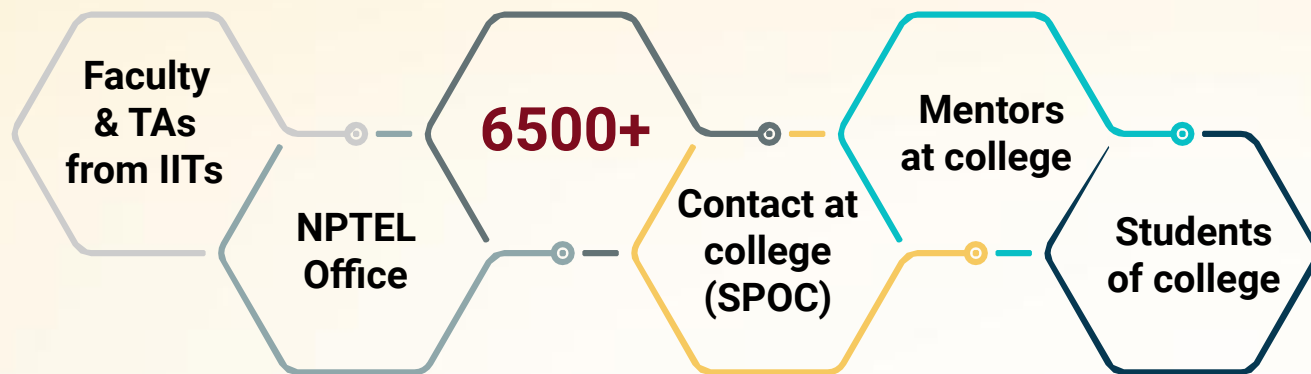


### HOW?

Complete a set of Core & Elective  
courses  
Minimum score for each course  $\geq 60$   
Courses to be completed within 3 Years



# SWAYAM NPTEL LOCAL CHAPTERS

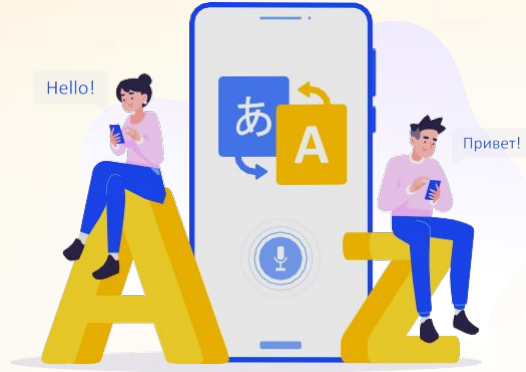


SEMESTER	LC REGN	TOTAL REGN	LC%
JUL-DEC 2024	784661	921967	85%
JAN-APR 2024	650435	808019	80.5%
JUL-DEC 2023	553417	675439	82%
JAN-APR 2023	420935	523530	80%
JUL-DEC 2022	256523	285793	90%
JAN-APR 2022	281448	355838	79%
JAN-DEC 2021	318413	456375	70%
JAN-DEC 2020	174775	246570	71%
JUL-OCT 2019	207027	253648	82%
JAN-JUN 2019	173891	204063	85%
JUL-DEC 2018	132875	161256	82%
JAN-JUN 2018	64567	86954	74%
JUL-DEC 2017	50042	70316	71%

**NPTEL partners with colleges within and outside India as Local Chapters.** A coordinator at the college helps take the initiative forward.

Institute Type	Count of LCs
ARTS, SCIENCE AND COMMERCE	1923
EDUCATION	139
ENGINEERING, TECHNOLOGY AND MANAGEMENT	3542
HEALTH SCIENCE INSTITUTION/ MEDICAL	380
LAW	43
OTHER	559
<b>Grand Total</b>	<b>6586</b>

# REGIONAL LANGUAGE TRANSLATION



**CAN GREATLY ASSIST STUDENTS  
WHO HAVE DONE SCHOOLING IN  
REGIONAL LANGUAGES**

**Translated Hours**

**Completed 32160 | Ongoing 5100+**

<https://nptel.ac.in/Translation/>



Bengali - Gujarati - Hindi - Kannada - Malayalam -  
Marathi Tamil - Telugu Odia - Assamese -  
Punjabi

# INITIATIVES



**Predoc fellowships**



**Credit Transfer**



**MOU with AICTE for  
NPTEL Course as FDP**



**Support For SPOCS**



**GATE Exams**



**NPTEL+**



**Internship for Toppers**



**Industry Associates**



**Soft Skill Trainings**



**CSR**



**Translation**



**NPTEL Social Media**

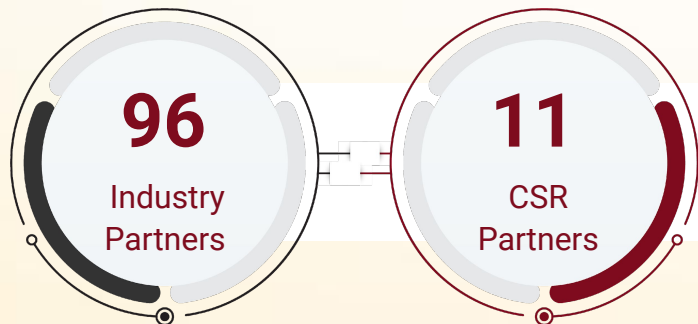


**LAB Workshops**



# NPTEL INDUSTRY ASSOCIATE PROGRAM

ACCESS - NOURISH - DEVELOP HUMAN RESOURCE



**1.61 lakh+** students have received exam fee waiver support through CSR Partners.

## 12. NPTEL SOCIAL MEDIA AND FEEDBACK



**305K**  
Followers



**88K**  
Followers



**1,786**  
Followers



**158K**  
Followers



**2.14M**  
Subscribers