

POLICY ON NPTEL (National Programme on Technology Enhanced Learning)

To encourages completion of NPTEL Certificate courses by awarding students with one Credit, at completion of the course. Students engage in self-study with an added advantage of exposure to nation-wide faculty while using Technology effectively for an enhanced learning experience.

I N T R O D U C T I O N

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. A total of 235 courses in web/video format were developed at that time.

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 for 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 at this stage.

Currently more than 940 courses are available on web portal <http://nptel.ac.in> for viewing and downloading. NPTEL has also initiated open online courses with certification where courses in different domains are regularly launched. Courses are free to enroll and are available at <http://onlinecourses.nptel.ac.in>. At the end of the course a certification exam (optional) is held on specific dates at specific centers. Certificate from IIT is awarded to those who register and appear for the examination. These exams have nominal fees with facility of scholarship and partial fee waiver for SC/ST candidates.

Outcomes of the course:

1. The student directly engages and learns from the best faculty available, while using non-conventional methods of learning the particular subject, strengthening the foundation of the student in the chosen field of study.
2. Students explore new areas of interest and indulge in deeper study of subjects they wish to master.
3. Faculty also avail these avenues as a Faculty Development Programme, enhancing skills and knowledge of the subject they teach.
3. Exposure to a Pan-India student audience in MOOC as well as a small fraction of foreign students, enables students to assess and evaluate their position in a peer group.
4. The self-study method promotes self-motivation and zeal to succeed without any external compulsion.
5. National certification of these programmes by CCE and IIT provides students a value-added Resume while applying for jobs.