

## NATIONAL PROGRAMME ON TECHNOLOGY ENHANCED LEARNING (NPTEL)

[www.nptel.ac.in](http://www.nptel.ac.in) ( Project Funded by MHRD, GoI)

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. Highlights are as follows:

- Largest online repository in the world of courses in engineering
- Online web portal <http://nptel.ac.in> – more than 471 million+ views
- Youtube channel for NPTEL – most subscribed educational channel, 1.5 million+ channel subscribers,
- More than 56000 hours of video content, most accessed library of peer-reviewed educational content in the world
- 52000+ hours of transcribed content; 51000+ hours of subtitled videos

The below given compilation will help our Master of Computer Applications (MCA) student to understand the respective courses.

Course	NPTEL Videos
C Programming	<a href="https://nptel.ac.in/courses/106/104/106104128/">https://nptel.ac.in/courses/106/104/106104128/</a>
Computer Organisation	<a href="https://nptel.ac.in/courses/106106092/">https://nptel.ac.in/courses/106106092/</a>
Discrete Mathematics	<a href="https://nptel.ac.in/courses/106106183/">https://nptel.ac.in/courses/106106183/</a>
Introduction to Database Management Systems	<a href="https://nptel.ac.in/courses/106/106/106106220/">https://nptel.ac.in/courses/106/106/106106220/</a> <a href="https://nptel.ac.in/courses/106/106/106106093/">https://nptel.ac.in/courses/106/106/106106093/</a>
Data Structures	<a href="https://nptel.ac.in/courses/106/102/106102064/">https://nptel.ac.in/courses/106/102/106102064/</a>
Object Oriented Analysis and Design	<a href="https://nptel.ac.in/courses/106/105/106105153/">https://nptel.ac.in/courses/106/105/106105153/</a>
Java Programming	<a href="https://nptel.ac.in/courses/106/105/106105191/">https://nptel.ac.in/courses/106/105/106105191/</a>
Operating Systems	<a href="https://nptel.ac.in/courses/106/102/106102132/">https://nptel.ac.in/courses/106/102/106102132/</a>
Computer Networks	<a href="https://nptel.ac.in/courses/106/105/106105081/">https://nptel.ac.in/courses/106/105/106105081/</a>

<b>Artificial Intelligence</b>	<a href="https://nptel.ac.in/courses/106/102/106102220/">https://nptel.ac.in/courses/106/102/106102220/</a>
<b>Parallel Computing</b>	<a href="https://nptel.ac.in/courses/106/102/106102114/">https://nptel.ac.in/courses/106/102/106102114/</a>