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Why I am here?

I am an accidental teacher!!

My thought process after 2010?

Forced to share(invited!!)

Hope it will not end up as blabbering!!

Challenges/opportunities to teaching in IT era!!

Lack of interest in students??(General complaint!!)

Teachers are irrelevant??

Why and what can be done?

Are you interested in looking at?

A personal journey-Any solutions??

Teaching & Learning



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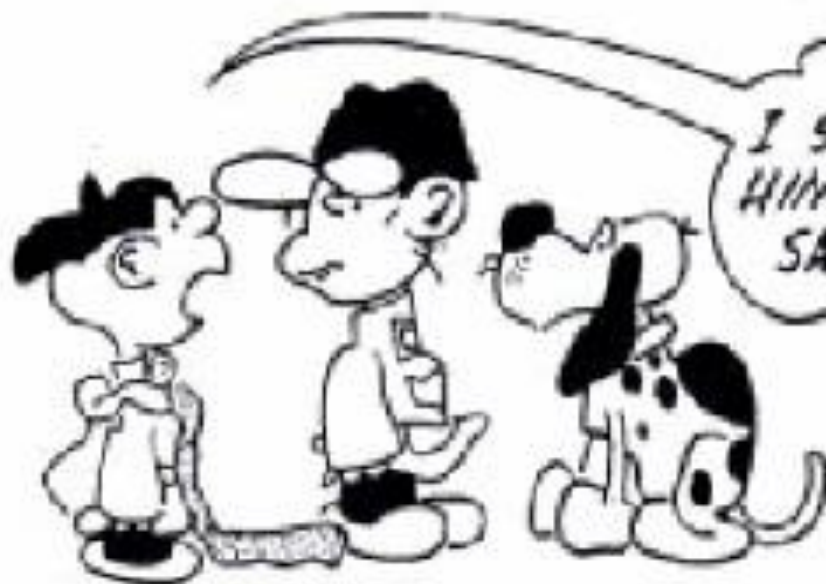
I DON'T HEAR
HIM WHISTLING



I TAUGHT STRIPE
HOW TO
WHISTLE.



I DON'T HEAR
HIM WHISTLING!



I SAID I TAUGHT
HIM. I DIDN'T
SAY HE LEARNED IT.

Why?

- Who is responsible?
- You??
- Me??
- Blame game will go on and on



Why indifference??

- Lack of interest in studies?
- No motivation to study?
- WHY????
- Many issues need to be looked into :
- Peer/family pressure to pursue a course
- Too early(teenage) to decide about a career plan?

Issues(continued)

- All kinds of distractions,
- The commercialization of education leaving behind educated(degree holders) but unmotivated/ unemployable youth which in turn breeds frustrations & indifference.
- This is a regenerative process-do not know where it will lead us.
- I am not addressing these issues!!!(Understandable reasons)

Then what am I doing here then !

- If you can not win the enemy join him!!
- Take advantage of distracting technology to be relevant
- A personal journey-
- If you find it useful may try ?

Issue addressed

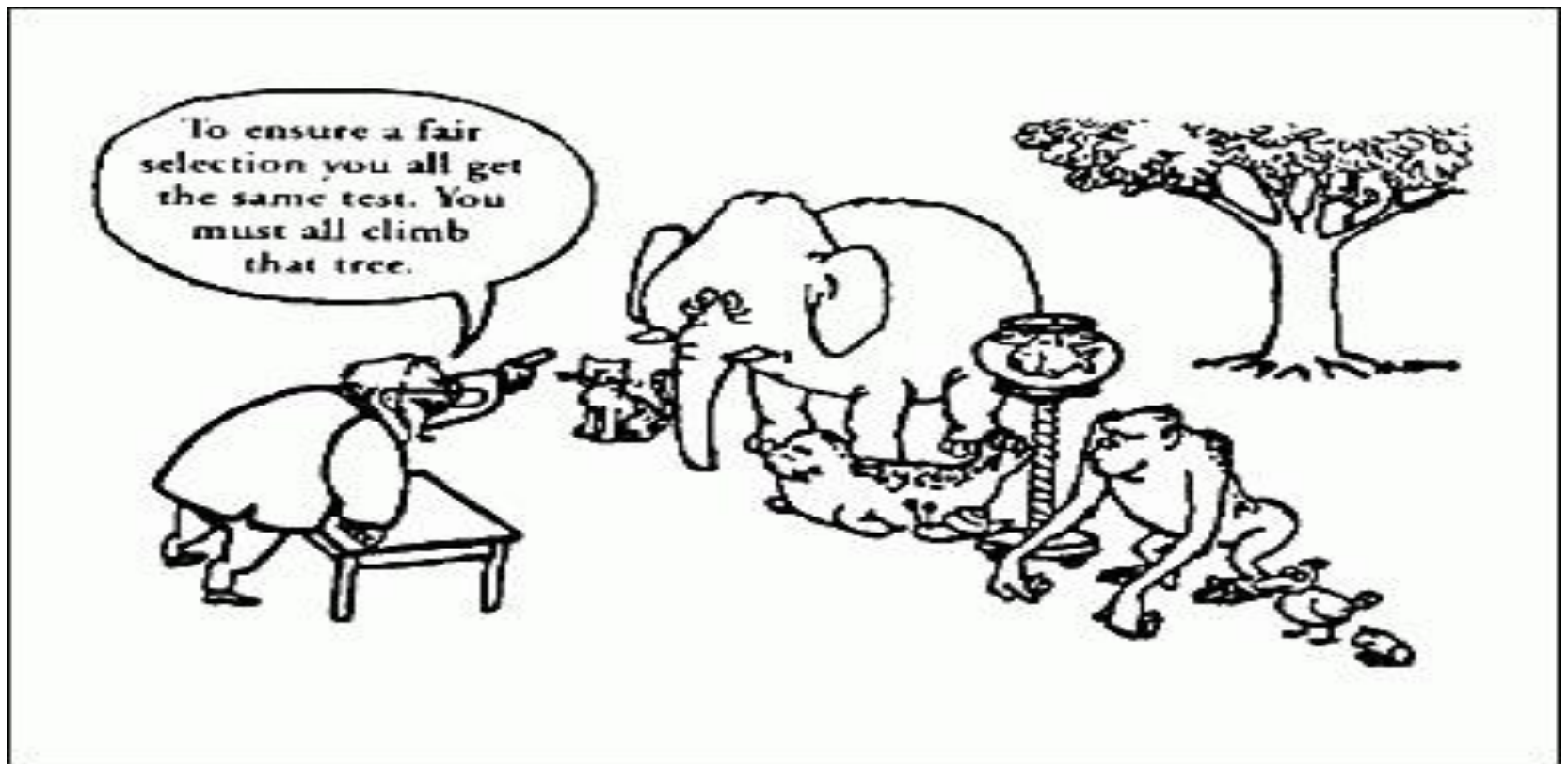
- Era of teachers as knowledge dispenser over.

From educator to facilitator of learning process.

Emphasis giving insights rather than giving information which they access easily

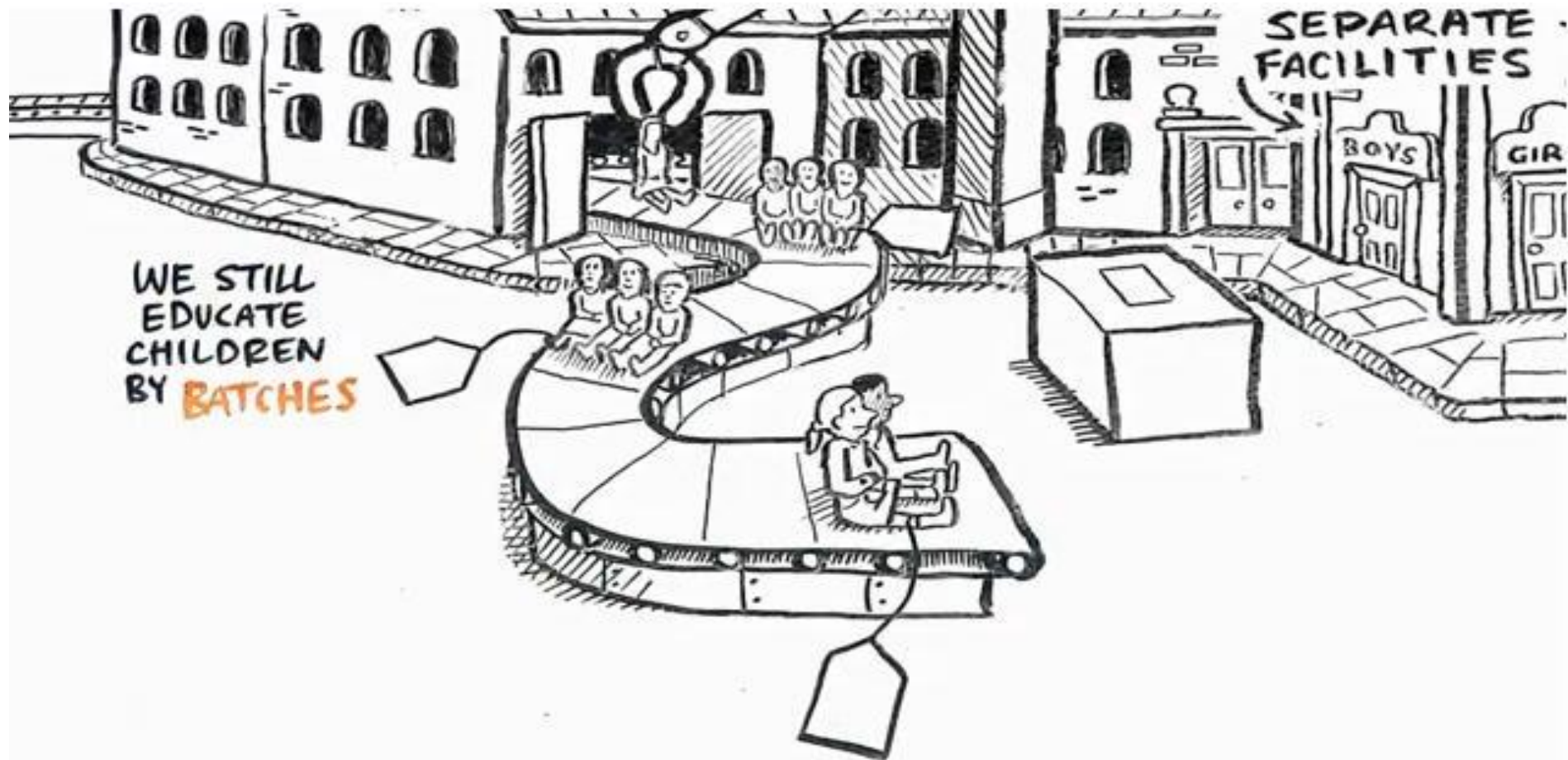
The elephant in the room?

- The issue

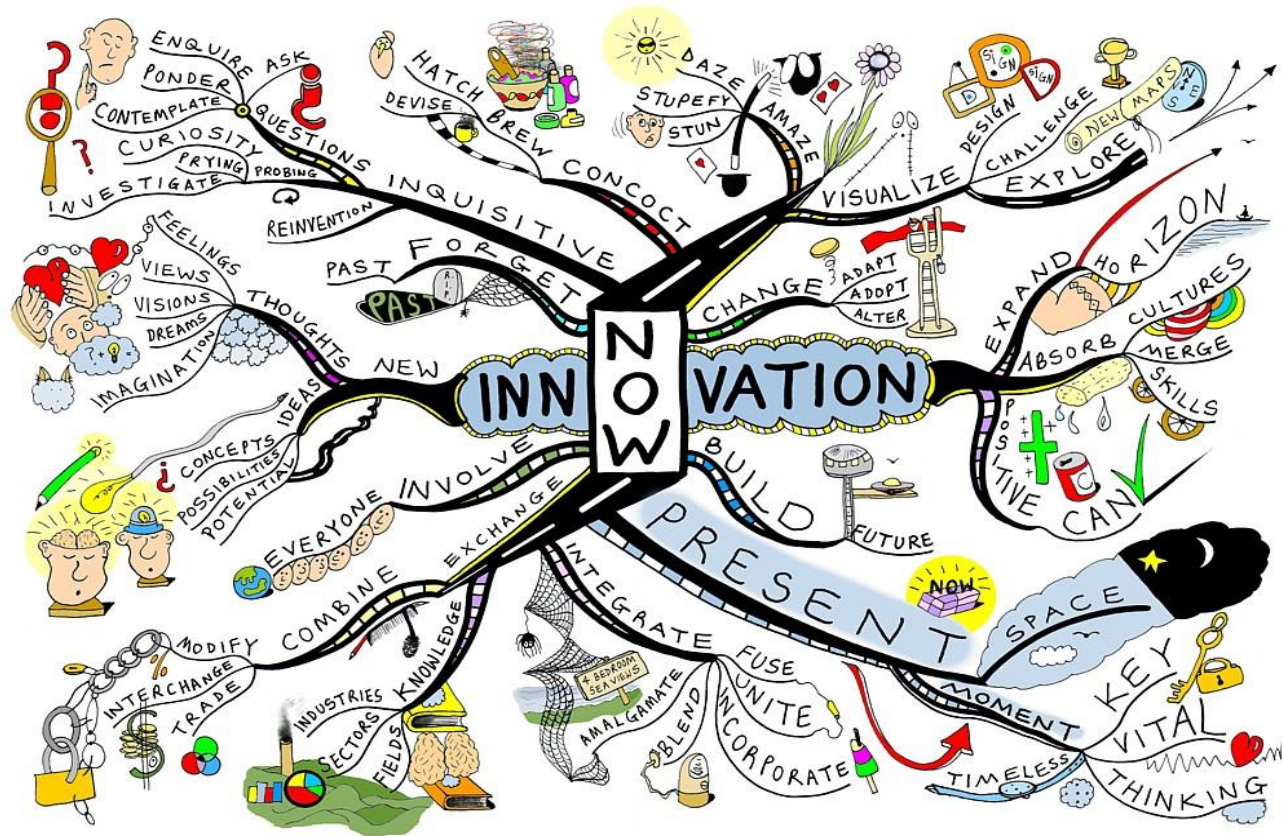


Trouble with mass education

- Factory model of education



Why learning so boring?? *What is missing??*



Is there a way out??

- Bringing in excitement and motivation to study?
- Technological progress can help in development of contents , delivering it and assessing it.

Education in IT era??

- Technology enabled teaching –learning !
- Personalized approach to teaching- learning process
- Omnipresent-permeating resources

Education in IT era

Advancing Technology

Learning Management Systems

Digital Content

Digital Portfolios and Data Capture

Computer Assisted Instruction (CAI)

Simulation

Social Networking/Group Communicat

Learning management systems

Advancing Technology

- Learning Management Systems
 - To deliver content
 - To communicate with students
 - To collect assignments
 - To facilitate collaboration

LMS-example

- Moodle(Modular Object-Oriented Dynamic Learning Environment) created to help educators create online courses with a focus on interaction and collaborative construction of content, and is in continual evolution.

Contents development

- Digital content-ebooks,videos etc,interactive etc
- Omnipresent-cloud??
- Cost free or almost free
- High quality
- Vetted & unvetted

Some sources

- MIT open course ware(MIT OpenCourseWare (MIT OCW) is an initiative of the Massachusetts Institute of Technology (MIT) to put all of the educational materials from its undergraduate- and graduate-level courses online, partly free and openly available to anyone, anywhere. MIT OpenCourse Ware is a large-scale, web-based publication of MIT course materials.
- (ocw.mit.edu *All formats available focus on engineering courses*

MIT open source

 ocw.mit.edu/about/

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About OCW



Photo credit: [dlofink](#) on Flickr

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2150

courses

125

million visitors

“The idea is simple: to publish all of our course materials online and make them widely available to everyone.”

Dick K.P. Yue, Professor, MIT School of Engineering

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MIT OpenCourseWare (OCW) is a web-based publication of virtually all MIT course content. OCW is open and available to the world and is a permanent MIT activity.

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Our own NPTEL

- NPTEL(*National Program on Technology Enhanced Learning*)- provides E-learning through online Web and Video courses in Engineering, Science and humanities streams. The mission of NPTEL is to enhance the quality of Engineering education in the country by providing free online courseware. A joint initiative of IIT's & IISc
- <http://nptel.ac.in/>

NPTEL

NPTEL

National Programme on
Technology Enhanced Learning

Funded by
Ministry of HRD
Government of India



**Speech to Text Transcription of NPTEL
Video Lectures**

**GATE Preparation Using NPTEL Material
MOCK Test for GATE 2014 now available**



ACCESSING NPTEL

1

DVDs

2

DIRECT DOWNLOAD

3

HARD DISKS

(Institutions & Organizations)



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NPTEL provides E-learning through online Web and Video courses in Engineering, Science and humanities streams. The mission of NPTEL is to enhance the quality of Engineering education in the country by providing free online courseware.

[Give Feedback on NPTEL Courses](#)



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IIT GUWAHATI



IIT KANPUR



IIT KHARAGPUR



IIT MADRAS



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IISc BANGALORE

A Joint Initiative of the IITs and IISc

New Courses

Engineering Drawing - Web (30 Sep 2014)

Engineering Drawing - Video (29 Sep 2014)

Riemann Hypothesis and its Applications - Video (26 Sep 2014)

NOC: Introduction to programming in C - Video (25 Sep 2014)

Basic Biology - Web (24 Sep 2014)

Electronic materials, devices, and fabrication - Video (22 Sep 2014)

Experimental Biotechnology - Web (19 Sep 2014)

Signal Detection and Estimation Theory - Web (19 Sep 2014)

Nanostructures and Nanomaterials: Characterization and Properties - Video (18 Sep 2014)

Business Analysis for Engineers - Video (10 Sep 2014)

Human Adjustment Processes - Video (05 Sep 2014)

NPTEL today

- Largest online repository in the world of courses in engineering, basic sciences and selected humanities and social sciences subjects
- 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, 404 million+ views. 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

Engineering without labs!!

- Theory part may be covered by video lectures
- What about labs?
- Is it possible to replace the labs especially in Engineering courses
- There is a solution!!

Virtual lab *www.vlab.co.in*

← www.vlab.co.in

Home



VIRTUAL LABS

An Initiative of Ministry of Human Resource Development (MHRD)
Under the National Mission on Education through ICT

Name of Lab

Broad Area

Any

Search



Virtual Labs

(An initiative of Ministry of Human Resource Development
under the National Mission on Education through ICT)

PARTICIPATING INSTITUTES



IIT DELHI



IIT BOMBAY



IIT KANPUR



IIT KHARAGPUR

Objectives of the Virtual Labs:

- To provide remote-access to Labs in various disciplines of Science and Engineering. These Virtual Labs would cater to students at the undergraduate level, post graduate level as well as to research scholars.
- To enthuse students to conduct experiments by arousing their curiosity. This would help them in learning basic and advanced concepts through remote experimentation.
- To provide a complete Learning Management System around the Virtual Labs where the students can avail the various tools for learning, including additional web-resources, video-lectures, animated demonstrations and self evaluation

Announcements

available on the link given
below

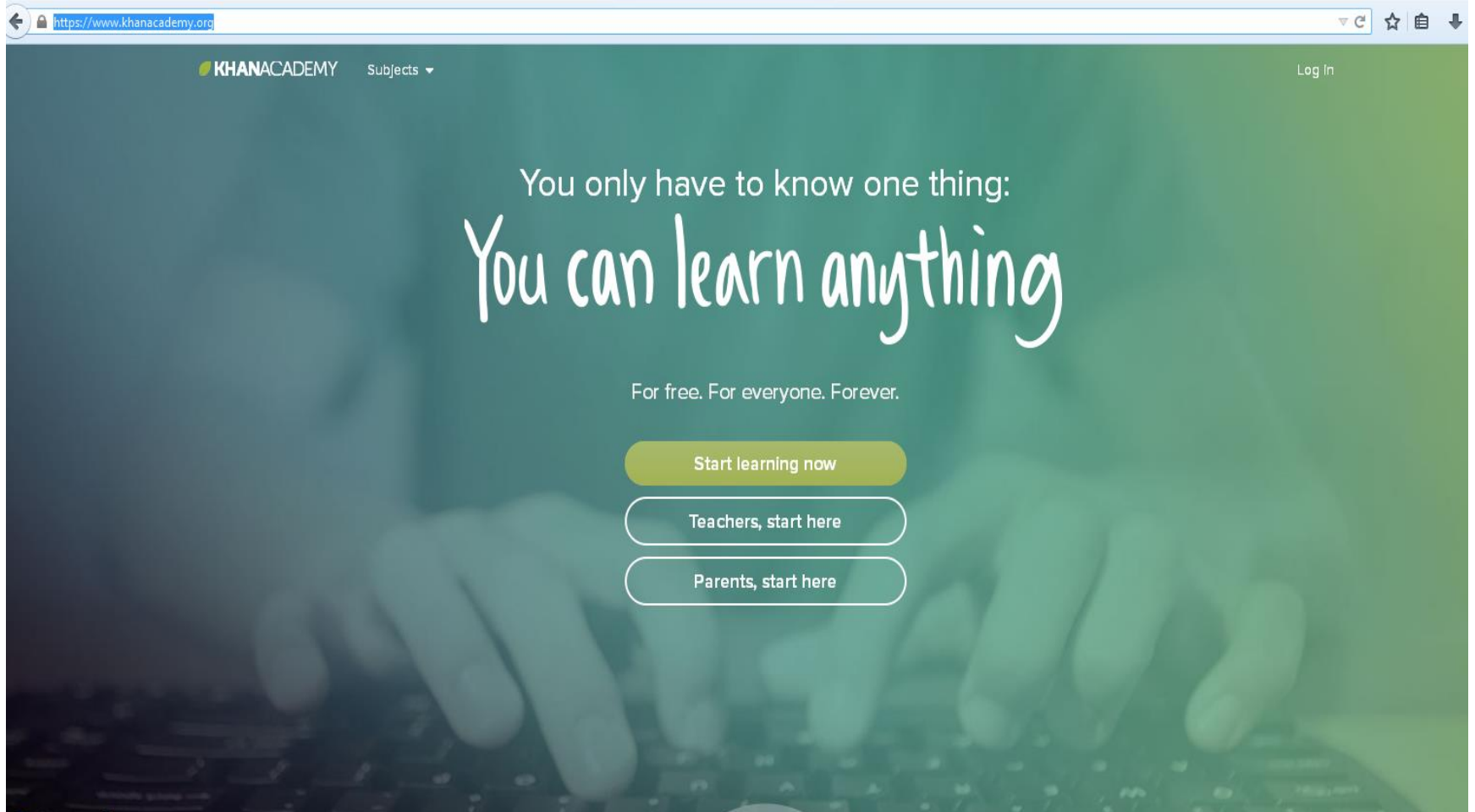
Other online resource providers

- The list is far from complete!!
- Some of the sites I am aware of and used sometime or other.
- There could be other sources also!!(Most of them came into existence in 2000-2005 period)

Khan academy

- Khan Academy is a non-profit educational organization created in 2006 by educator Salman Khan to provide "a free, world-class education for anyone, anywhere. Its website features thousands of educational resources, including a personalized learning dashboard, over 100,000 practice problems, and over 6,000 micro lectures[via video tutorials stored on YouTube teaching mathematics, history, healthcare, medicine, finance, physics, chemistry, biology, astronomy, cosmology, American civics, art history, economics, music, and computer science. All resources are available for free to anyone around the world.
- <https://www.khanacademy.org/>

Khan academy



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We're a nonprofit with the mission to provide a free, world-class education for anyone, anywhere.

Learners

Teachers

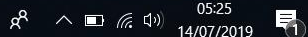
Parents

Windows Start Search Type here to search



05:25

14/07/2019



NANOHUB

- nanoHUB.org(estd2002) is a science and engineering gateway comprising community-contributed resources and geared toward educational applications, professional networking, and interactive simulation tools for nanotechnology. Funded by the United States National Science Foundation (NSF), it is a product of the Network for Computational Nanotechnology (NCN), a multi-university initiative of eight member institutions including Purdue University, the University of California at Berkeley, the University of Illinois at Urbana-Champaign, Massachusetts Institute of Technology, the Molecular Foundry at Lawrence Berkeley National Laboratory, Norfolk State University, Northwestern University, and the University of Texas at El Paso. NCN was established to create a resource for nanoscience and nanotechnology via online services for research, education, and professional collaboration. NCN supports research efforts in nanoelectronics; nanoelectromechanical system (NEMS); nanofluidics; nanomedicine, biology; and nanophotonics.
- www.nanohub.org

Home page nanohub

← https://nanohub.org

nanoHUB.org ONLINE SIMULATION AND MORE FOR NANOTECHNOLOGY
an NNCN project

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1 2 3 4 5

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RESEARCH & COLLABORATE via groups, question board and more >

TEACH & LEARN with nanoHUB-U, topic specific materials, tool-powered curricula, simulations, and more >

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A resource for nanoscience and nanotechnology, nanoHUB.org was created by the NSF-funded Network for Computational Nanotechnology.

Over 300,000 users annually

44 Live Simulation Sessions

Detailed statistics Who's online

RESOURCES

Keyword or phrase: Search

Popular Tags: nanoelectronics course lecture Illinois materials science NanoBio Node

nano/bio nanotransistors UIUC research seminar nanophotonics devices

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★ FEATURED

U nanoHUB-U: Your source for cutting-edge topics distilled into short lectures with quizzes, homework, practice exams.

NEEDS: The NSF-Funded Electronics Content Node.

nanoBIO: The NSF-Funded nanoBIO Content Node.

Piece-Wise Constant Potential Barriers Tool: Transmission and the reflection

“ NOTABLE QUOTE

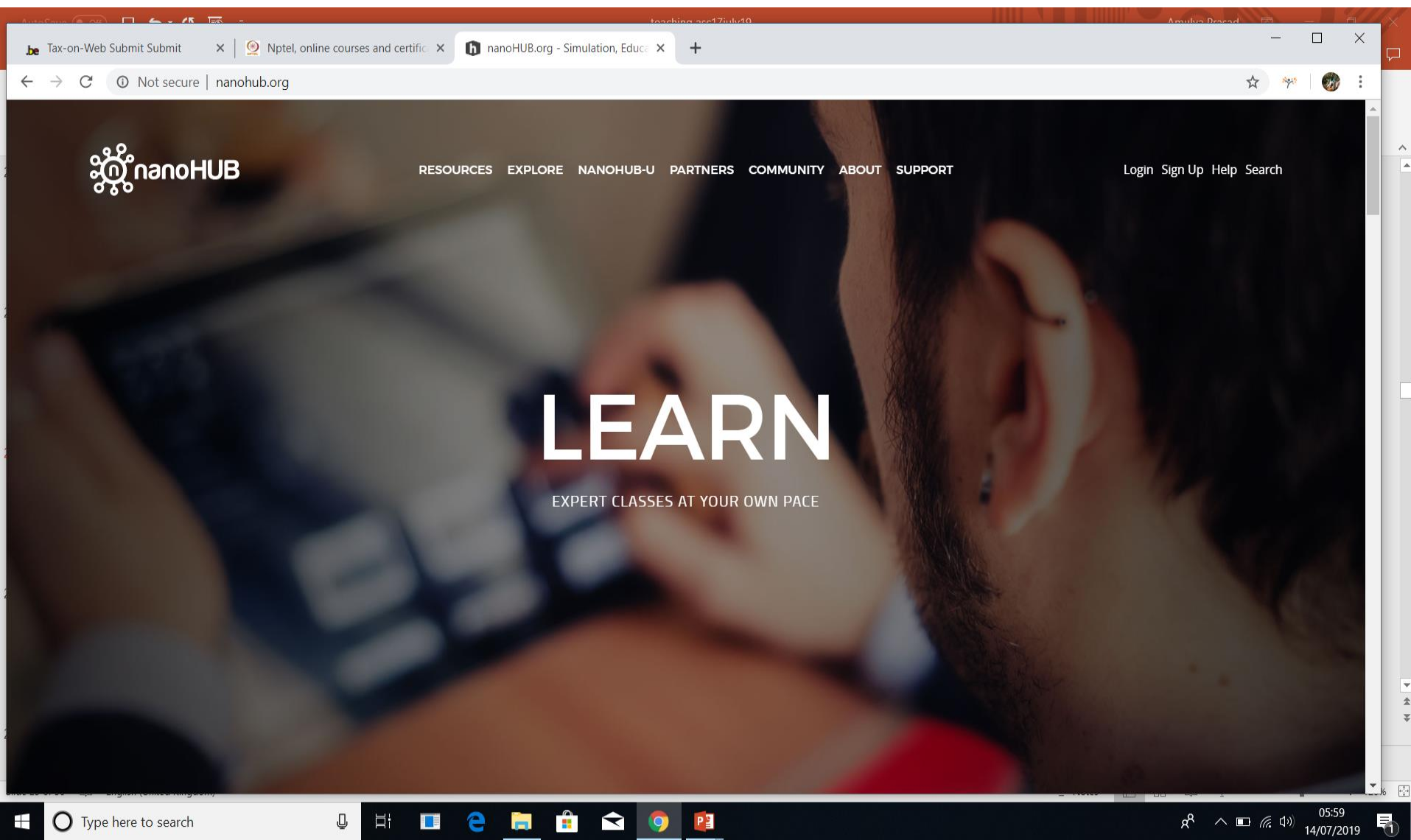
nanoHUB inspires me to always give the best of me

David Alberto Saenz, University of Texas at El Paso - in [Notable Quotes](#)

NEW IN RESOURCES

[Exploration of the Oxidation Rate of Silicon Wafers via Simulation](#)
in Teaching Materials, 04 Nov 2014

[Exploring Thin Film Interference Colors through Simulation](#)
in Teaching Materials, 04 Nov 2014



- www.nanohub.org

Distant education-(correspondence course) in IT era

- When you want to know about a certain thing, what do you do? Generally, you can ask someone about it or you could buy a book so that you can understand it by yourself or you could check out various institutions, organizations or schools teaching that particular subject. So, if a school offers the course that you are interested in , you can go there and take the course. You have teachers at school who help you with the subject. You can also access journals and books from the library or you may find other students like you who are also interested in the same subject.
- *Now you do not have to move out of your house???*

MOOC-Bringing your educational needs at finger tips!!

- MOOCs are online courses designed for large numbers of participants...It can be accessed by anyone anywhere as long as they have an Internet connection, are open to everyone without entry qualifications, and offer a full/complete course experience for free.
- Since 2008, MOOCs have been developed through “freemium” models.(Basic resources are free and certification comes with premium)
- we need to stop thinking of education as a “one and done” deal it is a continuum- life long

MOOC

- M-“massive”

- because it is designed to enroll thousands of learners

- O-“open,”

anyone with an internet connection can enroll in the free course

- O- “online”

because much if not all of the interaction takes place online

C- “courses” because they have concrete start and end dates, student assessments, online tests and quizzes, and proctored exams etc

Ways MOOCs are making a difference to education

- As teaching laboratories: Educators use materials in MOOCs to test out their teaching methods and materials, with ready feedback from high numbers of learners, with diverse backgrounds and aspirations.
- Enhancing careers: Several surveys suggest that learners are using MOOCs to enhance their attractiveness to employers
- Adding value to courses on campus: The idea of MOOCs complementing rather than replacing traditional university education is reflected in both the recruitment strategies of some universities, and how learners respond to them.
- Making learning more engaging: Gamification and social media sharing etc
- Opening up education access-Only digital divide the bottleneck

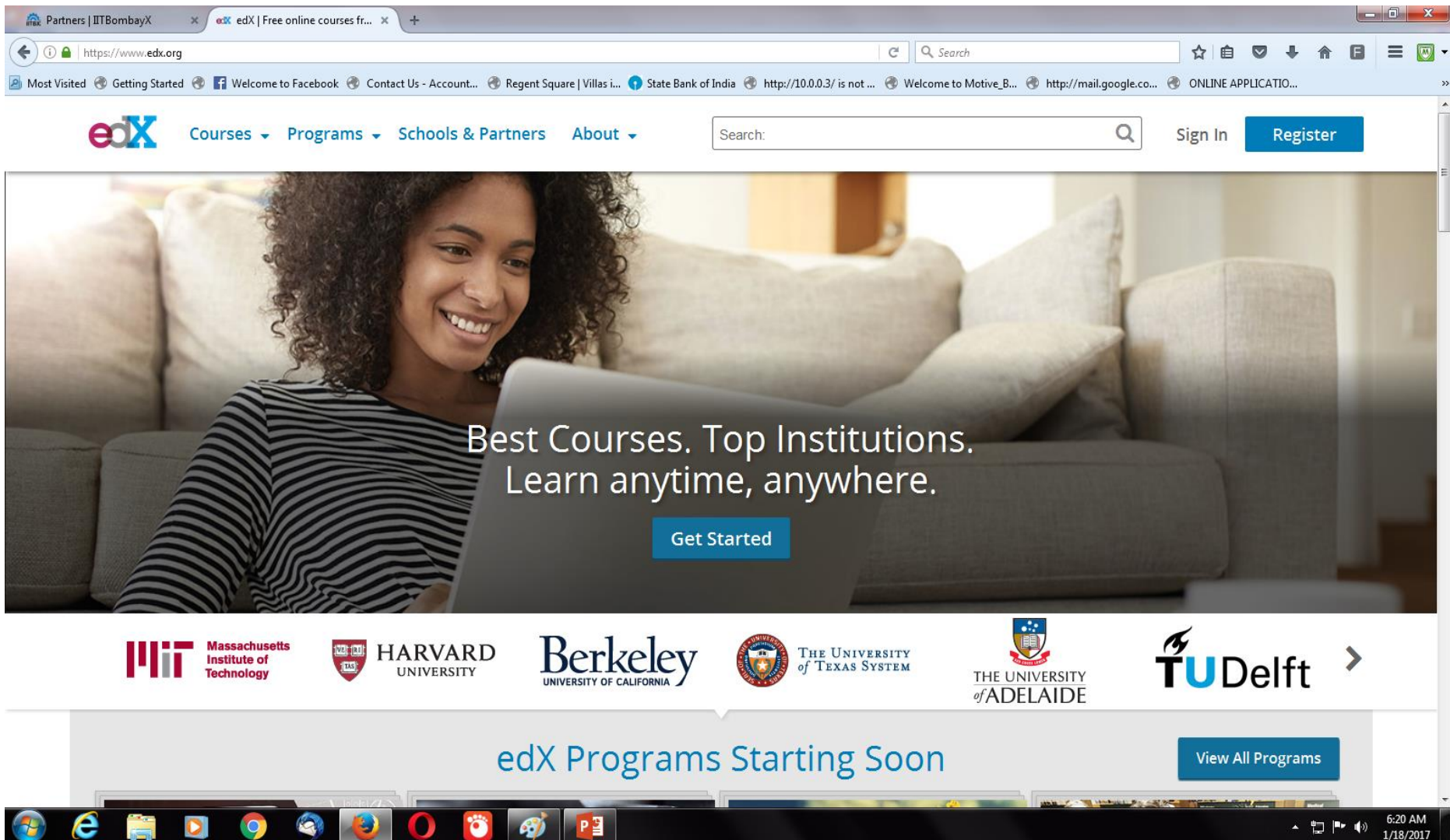
MOOC

- Some colleges/universities have partnered with companies to develop programs that meet the student's current and future needs. This type of partnership could also help students enter the workforce fresh out of graduation
- MOOCs can attempt similar partnerships with companies and provide better opportunities for students to find work, there is a real incentive for people not to go to college and just register for MOOCs. (Many of the MOOC providers are doing it now UDACITY is one of them.)

MOOC providers

- www.edx.org
- WWW.coursera.org
- WWW.udacity.com
- www.swayam.gov.in

Edx (https://www.edx.org)



The image is a screenshot of a web browser displaying the edX website. The browser's address bar shows the URL "https://www.edx.org". The website's header includes the edX logo, navigation links for "Courses", "Programs", "Schools & Partners", and "About", a search bar, and "Sign In" and "Register" buttons. The main banner features a smiling woman with curly hair using a laptop, with the text "Best Courses. Top Institutions. Learn anytime, anywhere." and a "Get Started" button. Below the banner, logos for partner institutions are displayed: MIT, Harvard University, Berkeley University of California, The University of Texas System, The University of Adelaide, and TU Delft. A section at the bottom states "edX Programs Starting Soon" with a "View All Programs" button. The Windows taskbar at the bottom shows various application icons and the system clock indicating 6:20 AM on 1/18/2017.

Partners | IITBombayX

edX | Free online courses fr...

https://www.edx.org

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Learn anytime, anywhere.

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Berkeley UNIVERSITY OF CALIFORNIA

THE UNIVERSITY OF TEXAS SYSTEM

THE UNIVERSITY OF ADELAIDE

TU Delft

edX Programs Starting Soon

View All Programs

6:20 AM 1/18/2017

Some of Edx partners

<https://www.edx.org/schools-partners>

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of TEXAS SYSTEM**

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UNIVERSITY**

TU Delft



Certificate

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Programs

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A series of Master's-level courses to advance your career, created by top universities and recognized by companies. MicroMasters Programs are credit-eligible, provide in-demand knowledge and may be applied to accelerate a Master's Degree.

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Professional Certificate

Designed by industry leaders and top universities to enhance professional skills, Professional Certificates develop the proficiency and expertise that employers are looking for with specialized training and professional education.

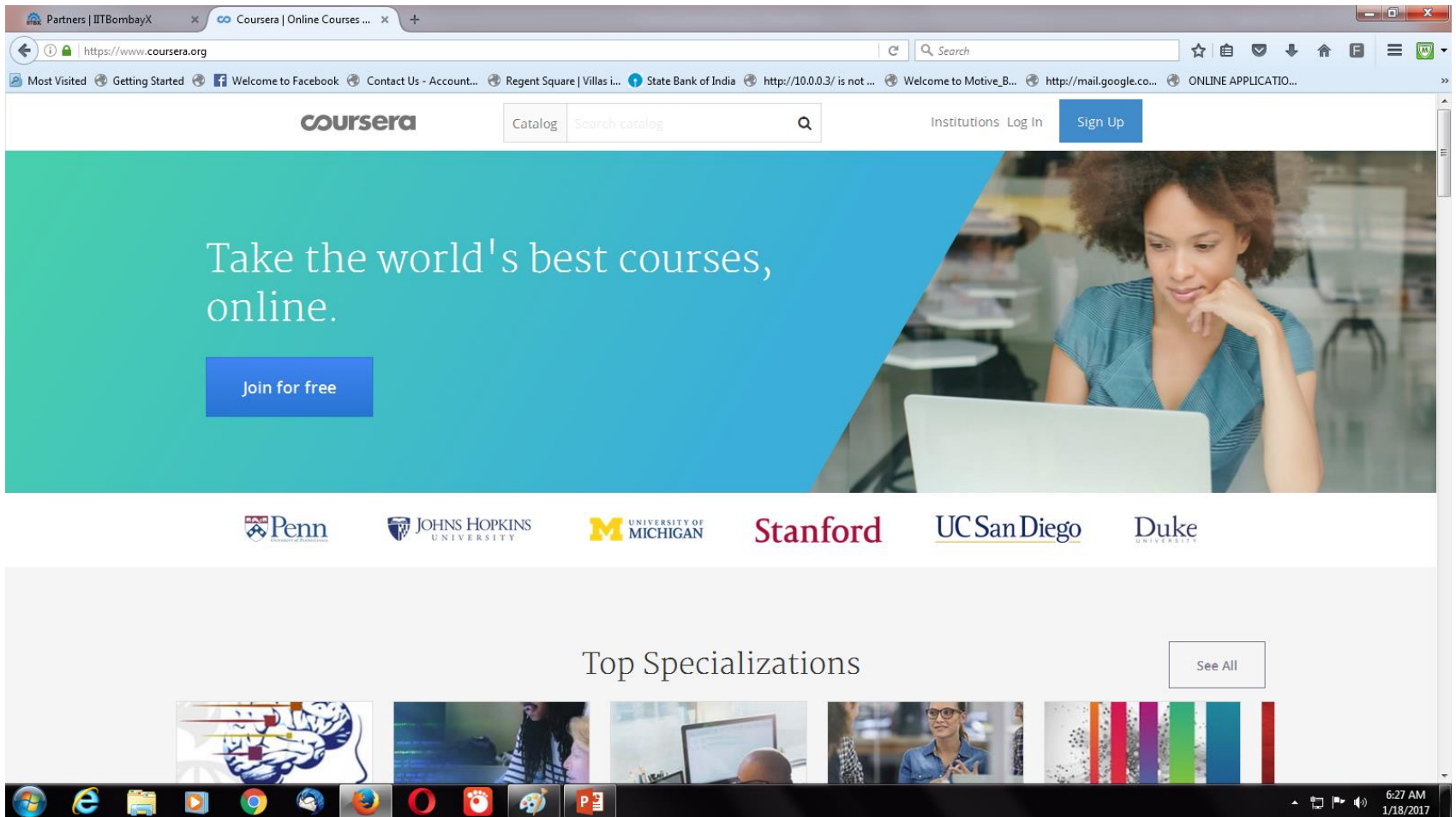
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XSeries Certificate

Created by world-renowned experts and top universities, XSeries are designed to provide a deep understanding of key subjects through a series of courses. Complete the series to earn a valuable XSeries Certificate that illustrates your achievement.

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Coursera



Coursera

- Coursera is a for-profit educational technology company founded by computer science professors Andrew Ng and Daphne Koller from Stanford University that offers massive open online courses (MOOCs). Coursera works with universities to make some of their courses available online, and offers courses in physics, engineering, humanities, medicine, biology, social sciences, mathematics, business, computer science, and other subjects. Coursera has an official mobile app for iOS and Android. Coursera has 22 million users in 1600 courses from 145+ institutions and Course Certificates Earned is 600,000. Anyone with access to the Internet has the ability to receive a self-paced higher education. Even in local institutions, which lack elite professors, students can be guided and motivated by resources provided by Coursera
- . <https://www.coursera.org/>

Partners

<https://www.coursera.org/about/partners>

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Exploratorium



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Brown University



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Pittsburgh



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Johns Hopkins
University



Fundação Lemann



Rice University



University of Alberta



University of
California, Santa Cruz



American Museum of
Natural History



Peking University

NMECIT-Indian initiative

www.itb.ac.in/nmeict/home.do

**National Mission On Education through ICT**
Empowerment of Students and Teachers
through
Synchronous and Asynchronous Instruction

[National Mission Home](#) | [Announcements Page](#) | [Workshops Conducted](#) | [RCMAP](#) | [Contact Us](#)

◀ Click here to become Remote Center of IIT Bombay ▶
◀ Aakash Project Centers ▶
◀ Two Week Main Workshop on Control Systems from 2nd-12th December 2014 (IIT Kharagpur) ▶
◀ Half Day Coordinators Workshop on Pedagogy for Effective use of ICT in Engineering Education ▶

Empowerment of Students and Teachers through Synchronous & Asynchronous Instruction

Every Indian learner deserves to be given a chance to have the highest quality education. Scarcity of trained teachers critically hinders this national desire. This project envisions empowerment of teachers, through workshops conducted for thousands of teachers at one go, using a unique blend of technology and an innovative pedagogy. Thousands have experienced the effectiveness of this approach, and of the resulting open source contents.

New technologies and tools are developed to further enhance the educational experience. Application development and content porting to Aakash tablet is being ramped up.

Work is done in synergetic collaboration with sister projects at IIT Bombay, such as eLearning Animation, Spoken tutorials, Virtual labs, and FOSSEE.



Empowerment of Teachers

The "Teach 1000 Teachers" programme was initiated in 2009, to enhance the

Remote centers for 10kT project(2009)

<https://youtu.be/-pYdhkGxw2c>

The screenshot shows a web browser window with multiple tabs. The active tab is titled "NMEICT | About T10kT" and the address bar shows the URL "https://www.it.iitb.ac.in/nmeict/About_T10kT.html". The website header includes the NMEICT logo, the text "National Mission on Education Through ICT", and the tagline "Empowerment of Students and Teachers through Synchronous & Asynchronous Instruction". Below the header is a navigation menu with links: Home, About T10kT, Announcements, Moodle, FAQ, Downloads, Workshops Conducted, and Contact Us. The main content area features a section titled "About T10kT" with the following text: "The 'Train 1000 Teachers' programme was initiated by IIT Bombay in 2009, under the project 'Empowerment of Students/Teachers,' sponsored by the National Mission on Education through ICT (MHRD, Government of India). The main focus of this programme is to work with Engineering Colleges in the country to enhance the teaching skills of faculty in core Engineering and Science subjects. This project attempts to address a critical subset of important issues, and adopts an approach to address these utilizing modern technologies. It uses an ICT enabled process involving both synchronous and asynchronous mode to actually reach out and engage a large number of teachers, and through them, a much larger number of students. Indeed, actual involvement of these important stakeholders in the entire process, scaled to very large numbers using ICT, can be said to be a major contribution of the project." Below this text, it states: "In 2013, this programme was scaled further, to train up to 10,000 teachers at a time, using 385 established Remote Centers across India. IIT Kharagpur is our partner Institution in the second phase. Together, we have a mandate to train 1, 50,000 teachers over the next three years." The final paragraph reads: "The 'Train 10,000 Teachers' (T10kT) uses the AVIEW framework developed by Amrita University, which provides an interactive social environment through the internet, for e-learning, and communicating and interacting with people at different places. It is used to deliver and transmit live lectures given by faculty at IIT, to all RCs." On the right side of the page, there is a "News" section with two items: "To Sign Up on this website, please click here" and "eSim, a First Course in the IoT Series, on 27 July 2019. Please click here for participating Remote Centres." Below the news section is an "Important Links" section with a list of links: FOSSEE Summer Fellowship 2019, Summer Internship 2019, Existing Remote Centers, Institutes interested in becoming Remote Centers of IIT Bombay, Funding Agency, and Link for password creation for users who have already registered in older workshops.

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← → ↻ 🏠 🔒 https://www.it.iitb.ac.in/nmeict/About_T10kT.html ☆ 📄 🌐 📧 📧 📧 📧 📧 📧

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National Mission on Education
Through ICT
Empowerment of Students and Teachers through
Synchronous & Asynchronous Instruction
ΕΠΙΧΕΙΡΗΣΙΟΝ & ΨΕΛΕΥΧΙΣΜΟΝ ΤΩΝ ΕΠΙΣΤΗΜΩΝ

Under the aegis of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching

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About T10kT

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News

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► [LinkedIn](#) Page of [eSim, a First Course in the IoT Series](#)

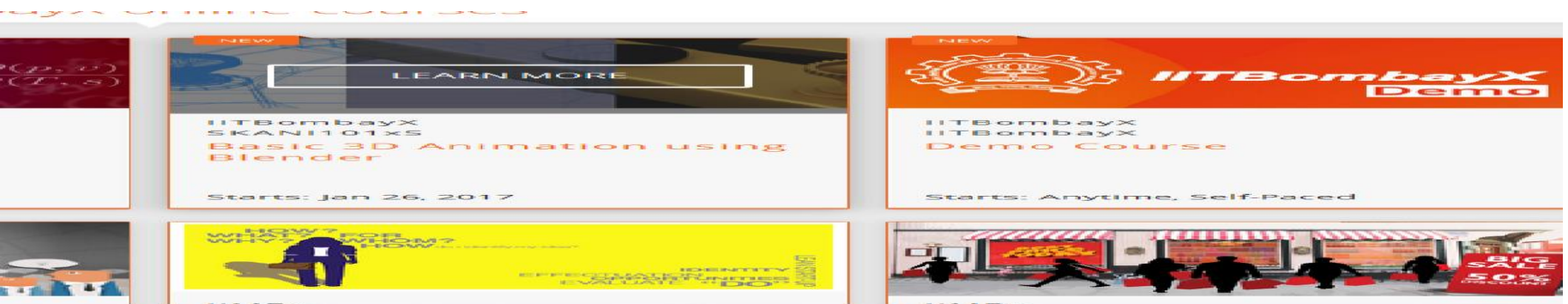
Important Links

- ◉ FOSSEE Summer Fellowship 2019
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Edx-Indian avatar(visit
<https://www.iitbombayx.in> 2015)



IITBombayX online courses



IITBOMBAY mooc

nmecit mhrd - Yahoo Search R x | Sakshat x | remote centers of iit bombay x | NMEICT | About T10kT x | Search Course Result | IITBom x | when was iitbombayx launch x | +

https://www.iitbombayx.in/courses

IITBX Interactive Learning ABOUT COURSES HOW IT WORKS Search Courses LOGIN REGISTER

Courses

IITBombayX offers numerous interactive courses listed below, including ongoing, upcoming and archived courses. Each of these courses are categorized under EduMOOCs, LifeMOOCs, SkillMOOCs and TeachMOOCs for various learning needs.

Refine Your Search

Timeline

- Archived (93)
- Launching Soon (1)
- Ongoing (6)

Types of MOOC

- EduMOOC (43)
- LifeMOOC (1)
- SkillMOOC (25)
- TeachMOOC (25)

Domain

- Animation (5)
- Communication (16)
- Computer Science (23)

Course Search



DE725x
Demystifying Board Game Design
Launching Soon
Starts : Jul 29, 2019



C2CIT1x
Effective Use of IT in Professional Career
Ongoing
Starts : Jun 18, 2019



C2CFL1x
Financial Literacy
Ongoing
Starts : May 14, 2019



STUDENT SOLAR AMBASSADORS



NEEV: A Competency Development Foundation Program



NEEV: A Competency Development Foundation Program

IIT BombayX



IITBombayX

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[COURSES](#)

[PARTNERS](#)

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[LANGUAGE](#)

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Partners

At IITBombayX, we believe in offering the highest quality courses, and share our commitment to excellence in teaching and learning, both online and in the classroom.

51

Courses in many areas of study

311

Faculty and staff teaching courses and discussing topics online

104759

Total learners enrolled for completed courses



**IIT
Bombay**

IITBombayX



NVAforIA



Tata Institute of
Social Sciences

TISS



IIMBx

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IITBombayX

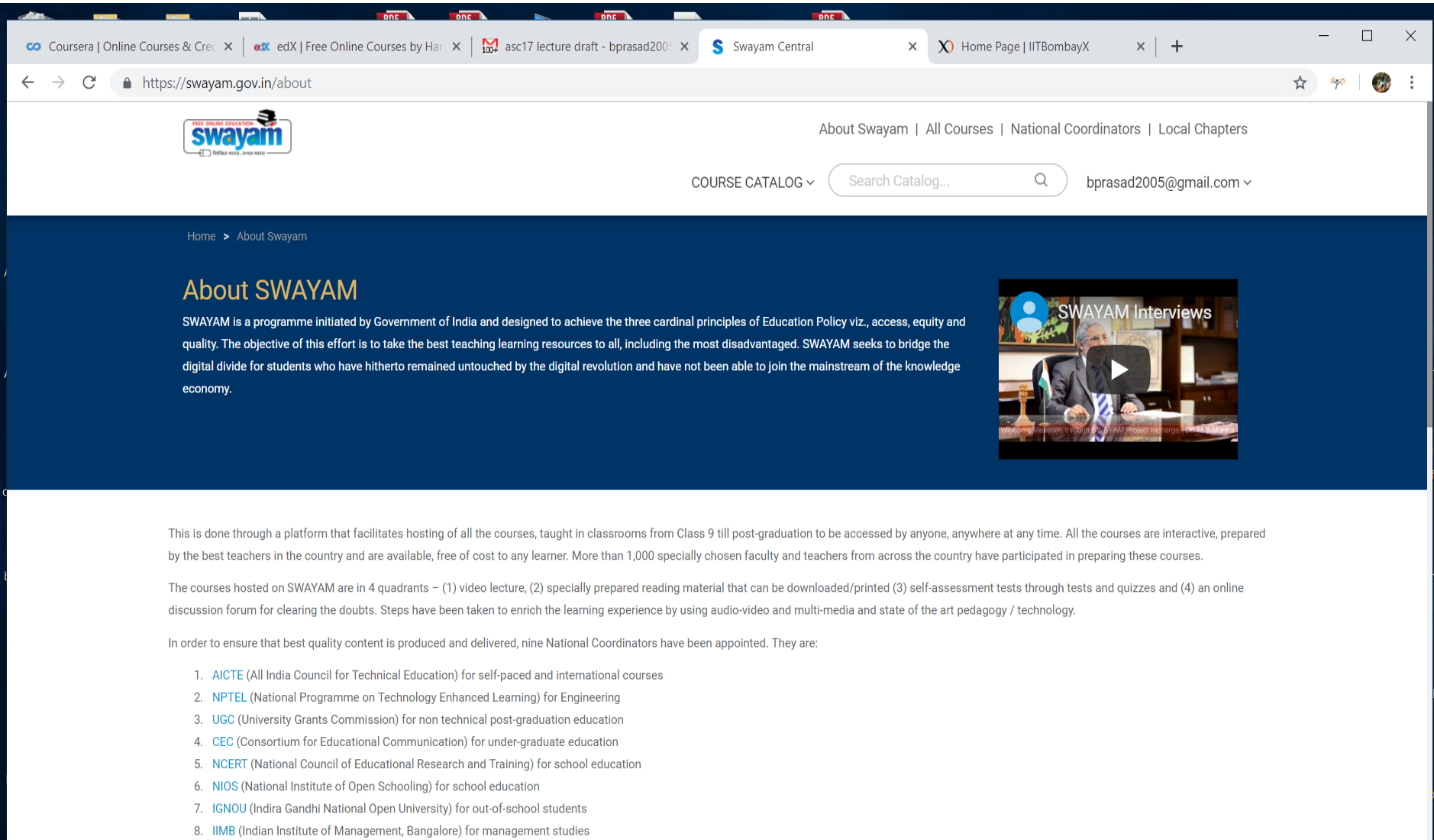
IITBombayX offers interactive online classes and MOOCs. Subjects from multiple disciplines are presently offered, as can be seen in the list of courses. This list will expand later. IITBombayX is a non-profit online platform created with funding from National Mission on Education through Information and Communication Technology (NME-ICT), Ministry of Human Resource Development (MHRD), Government of India (GoI).



[Terms of Service and Honour Code](#)
[Privacy Policy](#)

POWERED BY
OPENedX

Swayam-2017 (Study Webs of Active –Learning for Young Aspiring Minds)



The screenshot shows a web browser with multiple tabs open, including Coursera, edX, and Swayam Central. The active tab is Swayam Central, displaying the URL <https://swayam.gov.in/about>. The website header includes the Swayam logo, navigation links (About Swayam, All Courses, National Coordinators, Local Chapters), a search bar, and a user profile (bprasad2005@gmail.com). The main content area is titled 'About SWAYAM' and describes the program's goals and structure. A video player titled 'SWAYAM Interviews' is embedded on the right. Below the main text, a list of eight National Coordinators is provided.

Home > About Swayam

About SWAYAM

SWAYAM is a programme initiated by Government of India and designed to achieve the three cardinal principles of Education Policy viz., access, equity and quality. The objective of this effort is to take the best teaching learning resources to all, including the most disadvantaged. SWAYAM seeks to bridge the digital divide for students who have hitherto remained untouched by the digital revolution and have not been able to join the mainstream of the knowledge economy.

This is done through a platform that facilitates hosting of all the courses, taught in classrooms from Class 9 till post-graduation to be accessed by anyone, anywhere at any time. All the courses are interactive, prepared by the best teachers in the country and are available, free of cost to any learner. More than 1,000 specially chosen faculty and teachers from across the country have participated in preparing these courses.

The courses hosted on SWAYAM are in 4 quadrants – (1) video lecture, (2) specially prepared reading material that can be downloaded/printed (3) self-assessment tests through tests and quizzes and (4) an online discussion forum for clearing the doubts. Steps have been taken to enrich the learning experience by using audio-video and multi-media and state of the art pedagogy / technology.

In order to ensure that best quality content is produced and delivered, nine National Coordinators have been appointed. They are:

1. [AICTE](#) (All India Council for Technical Education) for self-paced and international courses
2. [NPTEL](#) (National Programme on Technology Enhanced Learning) for Engineering
3. [UGC](#) (University Grants Commission) for non technical post-graduation education
4. [CEC](#) (Consortium for Educational Communication) for under-graduate education
5. [NCERT](#) (National Council of Educational Research and Training) for school education
6. [NIOS](#) (National Institute of Open Schooling) for school education
7. [IGNOU](#) (Indira Gandhi National Open University) for out-of-school students
8. [IIMB](#) (Indian Institute of Management, Bangalore) for management studies

Kurukshetra university in swayam

Tax-on-Web Submit Submit

Nptel, online courses and c

About Us

State and Local Governance

Link - bprasad2005@gmail

State and Local Governance

https://swayam.gov.in/nd2_ugc19_hs50/preview



About Swayam | All Courses | National Coordinators | Local Chapters

COURSE CATALOG

Search Catalog...

bprasad2005@gmail.com

Courses > State and Local Governance: Machinery & Processes

State and Local Governance: Machinery & Processes

By Prof. Ajmer Singh Malik | Kurukshetra University, Kurukshetra



The course on State and Local Governance: Machinery & Processes comprises of learning about governmental agencies and democratic decentralized institutions established at state, district and sub-district levels and the processes associated with these bodies. This level of the administration is highly significant as it provides a platform to the people to have a direct interface with the various organs of the state.

The course covers the State Legislature and State Administration and its important institutions like the Governor, the Chief Minister and the Council of Ministers, State Secretariat and the Chief Secretary etc. The students in this course will also be enlightened about the district administration including Autonomous District Councils in North Eastern States and executive officer at this level of administration, popularly known as District Magistrate/ District Collector or Deputy Commissioner.

The evolution of local governance and present system of Panchayati Raj Institutions, various types of Municipal bodies along with their constitutional models in the form of 73rd and 74th constitutional amendments and institutions like – State Election Commission, State Finance Commission - and District Planning Committees are also the main constituents of the course.

The course is 15 weeks long academic program. The learners in this course will be instructed through e-Texts and Video Lessons. They will also be encouraged to explore Further Readings and motivated for actively participating in Group Discussions. Regular interactions with the Teaching Team will be provided to clarify the doubts of the course participants.



JOIN

SUMMARY

Course Status: Upcoming

https://www.youtube.com/channel/UCxGoM9MXRZ-25ySYkt4Uoig

Type here to search



07:12
14/07/2019

Add on for teaching

- MOOC for learning new topics-IoT experience
- 27X 7 active interaction through discussion forum
- 'Gamification' and social media interactions
- Flipped class room
- Quiz competitions-(all on line) using dedicated websites

Piazza

- Piazza is a Q&A web service. It can be described as "mixture between a wiki and a forum" that can be used with learning management systems
- Pooja Sankar created the first prototype of Piazza in 2009. By February 2010, Piazza was used by approximately 600 Stanford students. In January 2011, Piazza opened to all institutions, reaching over 330 schools and tens of thousands of students by the summer of the same year. Users can publicly (and anonymously, if the head instructor allows it) ask questions, answer questions, and post notes. Each question prompts a collective answer to which any user can contribute and an instructor answer, shown directly below, which can only be edited by instructors. Users are allowed to attach external files to posts, use LaTeX formatting, view a post's edit history, add follow-up questions, and receive email notifications when new content is added. The interface consists of a dynamic list of posts on the left side of the screen, a central panel for viewing and contributing to individual posts, and an upper bar for account control. According to the company's data, the average Piazza question is answered within 14 minutes.

Individual Piazza classes are self-contained and can be locked with an access code. Anyone may create a class, but the head instructor retains full control over the class content, along with administrative abilities such as endorsing good answers and viewing more detailed statistics on class activity. visit www.piazza.com

Flipped class room

Flipped Classroom Made Easy

Traditional Classroom

School

- Happens FIRST:
 - Lecture
 - Assign Homework

Home

- Happens SECOND:
 - Complete Homework



Flipped Classroom

Home

- Happens FIRST:
 - View Instructional videos at home OR
 - Listen to teacher podcasts
 - Complete quick assessments so teachers can gauge understanding before tomorrow's class

School

- Happens SECOND:
 - Do schoolwork (what used to be assigned for homework) together with teacher and peers
 - Teachers can offer one-on-one help

(Nutshell)

THE FLIPPED CLASSROOM

Turning Traditional Education on Its Head

Many educators are experimenting with the idea of a flipped classroom model. So what is it and why is everyone talking about it?

WHAT IS THE FLIPPED CLASSROOM?

The flipped classroom inverts traditional teaching methods, delivering instruction online outside of class and moving “homework” into the classroom.

THE INVERSION



My experiments(since 2013)- <https://piazza.com/class/jcfzxj11n8v2kx>

 <https://piazza.com/kuk.ac.in/fall2014/el12/home>    

 EL 12 ▾ Q & A Resources Statistics Manage Class  B.Prasad

kurukshetra university(electronic science department) - Fall 2014

EL 12: M.Sc Electronic science-sem1

Syllabus 







Course Information Staff Resources Groups

Description

 Edit

This is a basic course on device physics.Detailed physics behind semiconductor devices such as pn junction diodes,BJT and MOSFET will be covered.Basic physics of the metal semiconductor contacts also will be discussed.

General Information

 Edit

el12

There will be 3 hrs direct teaching/lecture per week for this paper.Weekly assignment should be completed within 7 days.Students are welcome to raise their queries either during lecture time or personally during off hours or they can post it here.Weekly/monthly quiz will be posted/uploaded here.

test

In theory papers, the internal assessment will be based on two class tests, one assignment and the attendance in the class. Where two teachers are teaching the subject, average of the tests and assignments will be considered

final exam

Instructions: There shall be nine questions in total. Question number 1 will be

Announcements [show all](#)

 Add

Assignment_3.doc has been added to

 Edit

 Delete

class homepage under Resources

9/16/14 6:29 AM

The teaching staff has posted a new homework resource.It is not a quiz you have to work it out and submit at piazza.

Title: Assignment_3.doc
http://www.piazza.com/class_profile/get_resource/hyh0btv8lhm7iy/i04j7y7h2v963p

Due date: Sep 19, 2014

You can view it on the course page: <https://piazza.com/kuk.ac.in/fall2014/el12/resources>
[View on Piazza](#)

My piazza page for even semester

https://piazza.com/kuk.ac.in/spring2017/el25/home

Search

☆ 📄 🔒 ⬇️ 🏠 📁

Most Visited 🌐 Getting Started 🌐 Welcome to Facebook 🌐 Contact Us - Account... 🌐 Regent Square | Villas i... 🌐 State Bank of India 🌐 http://10.0.0.3/ is not ... 🌐 Welcome to Motive_B... 🌐 http://mail.google.co... 🌐 ONLINE APPLICATION...

PIAZZA

EL 25 ▾ Q & A Resources Statistics Manage Class

 B.Prasad

kurukshetra university(electronic science department) - Spring 2017

EL 25: el-25option-3) Advanced device physics for VLSI

Syllabus 📄 ✎ 🗑️

🔒

Course Information

Staff

Resources

Description

✎ Edit

Learning Objectives & outcomes

Students who have done a basic course in device physics and would like to take advanced course in device physics may be offered this course.

The paper is divided into 4 units,

Unit 1.(objectives)Students should be able to understand the implications and challenges raised by Moore's and how it acted as a driver for the electronics& IT revolution,Students should be able to understand scaling principles (methodology) used in microelectronics and their advantages and limitations.Students should be able to realize the the second order effects introduced by device miniaturization and should be able to under the possible steps to remove those effects.In the last part of the unit the role of road maps in general and ITRS in particular towards the progress of microelectronics is discussed.

Unit2.the objective of this unit is that once they study this unit they should be able to understand the importance of device modeling and simulation in the progress of microelectronics.They should be able to understand the

Announcements

+ Add

Add an Announcement

Click the Add button to add an announcement.

My course page

EL 25

U & A

Resources

Statistics

Manage Class

kurukshetra university(electronic science department) - Spring 2017

EL 25: el-25option-3) Advanced device physics for VLSI

Syllabus

Course Information

Staff

Resources

Edit Resource Sections

Homework

Homework	Due Date	Actions
Test your basics	click to edit date	Edit Post a note Delete
assignment0.doc	Feb 5, 2014	Edit Post a note Delete

Add LinksAdd Files

Lecture Notes

Lecture Notes	Lecture Date	Actions
Quantum dot cellular automaton	Apr 29, 2014	Edit Post a note Delete
RSFQ_2	Apr 29, 2014	Edit Post a note Delete
RSFQ RAPID SINGLE-FLUX-QUANTUM LOGIC	Apr 29, 2014	Edit Post a note Delete
quantum_devices_bp.pptx	Apr 28, 2014	Edit Post a note Delete
bp_soi.pptx	Apr 21, 2014	Edit Post a note Delete
itrs.ppt	Apr 2, 2014	Edit Post a note Delete
bp_device_modeling_lect.pdf	Apr 1, 2014	Edit Post a note Delete
Device_IC_architectures_today.pptx	Mar 31, 2014	Edit Post a note Delete
role_of_simulation_in_vlsi.ppt	Mar 24, 2014	Edit Post a note Delete
ChenmingHuch1slides.ppt	Jan 29, 2014	Edit Post a note Delete

Add LinksAdd Files

Role of social media/networks



Our efforts

https://www.facebook.com/elsd2013?ref=bookmarks

Electronics society,ELSD,Kurukshetra university

Page Activity Insights Settings Build Audience Help

Electronics society,ELSD,Kurukshetra university Community

Timeline About Photos Likes More

293 likes

Sreekumar Mn, Manoj Shonak and 166 others like this.

Promote Your Page

Connect with more of the people who matter to you

Promote Page

Invite your friends to like Electronics society,ELSD,...

Status Photo / Video Offer, Event +

What have you been up to?

Electronics society,ELSD,Kurukshetra university shared a link.

Posted by Bala Prasad (?) - Yesterday

3	3	TSMC*	Taiwan	19,935	25,088	26%
4	4	Qualcomm**	U.S.	17,211	19,100	11%
5	5	Micron + Elpida	U.S.	14,294	16,614	16%
6	6	SK Hynix	South Korea	12,970	15,838	22%
7	8	TI	U.S.	11,474	12,179	6%
8	7	Toshiba	Japan	11,958	11,216	-6%
9	9	Broadcom**	U.S.	8,219	8,360	2%
10	10	ST	Europe	8,014	7,374	-8%
11	11	Renesas	Japan	7,975	7,372	-8%
12	12	MediaTek + MStar**	Taiwan	5,723	7,142	25%
13	14	Infineon	Europe	5,260	6,151	17%
14	16	Avio	Europe	4,915	5,235	1%

5 Page Likes

85 Post Reach

UNREAD

6 Notifications

0 Messages

Recent

2014

2013

See Your Ad Here

SemiWiki - Look who is L...
semiwiki.com
A couple of days ago I was reading a news article which

Narender Sing Ashok Verma's

Tan Dulce Shel Sonia Sharma'

Chandra Sheki Priyanka Singh friends.

Vikram Dhankr

Ravindra Than

Téjas Abraham

Manisha Daga

Anurupa Bharg

Vikram Barnel

Renu Dhiman I

Hari Narayanar

Sumit Choudh

Rohit Joon

Neha Rayat

Azad Sharma

NaVeem SharM

Efforts

 The quest

 **Bala Prasad**
Edit Profile

News Feed

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Events

Photos

The quest

Electronics society,...

PAGES

The Quest Forum 1

Like Pages

Pages Feed 20+

Create Ad

Create Page

GROUPS

eVLSI

Electronics society

Ranbir's Exclusive... 20+

Share WHY 20+

Stylish Masculinis... 20+

Info BOX 20+

Linux 20+

Teachers

CEERI

Create Group

Manage Your Groups

Find New Groups

QUEST

Explore your world... Explore your mind...

"And in this lies my honour and my reward,
That whenever I come to the fountain to drink
I find the living water itself thirsting
And it drinks me while I drink it" - Khalil Gibran

Joined Share Notifications

The questMembersEventsPhotosFiles

Search this group

Write PostAdd Photo / VideoAsk QuestionAdd File

Write something...

Add information about your group.

RECENT ACTIVITY

 **Bala Prasad** shared Electronics society,ELSD,Kurukshetra university's event.
September 30



MISSION RED PLANET

MARS ORBITER

Propellant Tank, Reaction Wheel, Solar Panels, Medium Gain Antenna, High Gain Antenna, LAP Payload, MENCA Payload, TTC Antenna

LAUNCH VEHICLE

PSLV-XL with six extended strap-on motors

ABOUT103 members

Closed Group

A discussion group for those who have a quest to get the answers of why's & How's in life

Sure... See More - Edit

103 members (3 new) · Invite by Email

Add People to Group

What is this group about? Set tags

CREATE NEW GROUPS

Groups make it easier than ever to share with friends, family and teammates.

Create Group

Narender Singh I
Ashok Verma's ph

Tan Dulce Sheffli I
Sonia Sharma's p

Chandra Shekhar
Priyanka Singh are
friends.

Vikram Dhankhar

Ravindra Thana

Téjas Abraham

Manisha Dagar

Anurupa Bhargav

Vikram Bamel

Renu Dhiman Mul

Hari Narayanan K

Sumit Choudhary

Rohit Joon

Neha Rayat

Azad Sharma

NaVeen Sharma

Turn on chat to see w
available.

Student forum www.evlsi.com

www.evlsi.com/index.php?sid=9a021ee74407c663c04b783c7d4f06ac



eVLSI.com - VLSI Design Forum

One stop solution for all your VLSI Design related queries.

Search... Search

Advanced search

Board index

User Control Panel (0 new messages) • View your posts

FAQ Members Logout [bprasad2005

s currently Tue Nov 11, 2014 6:29 am

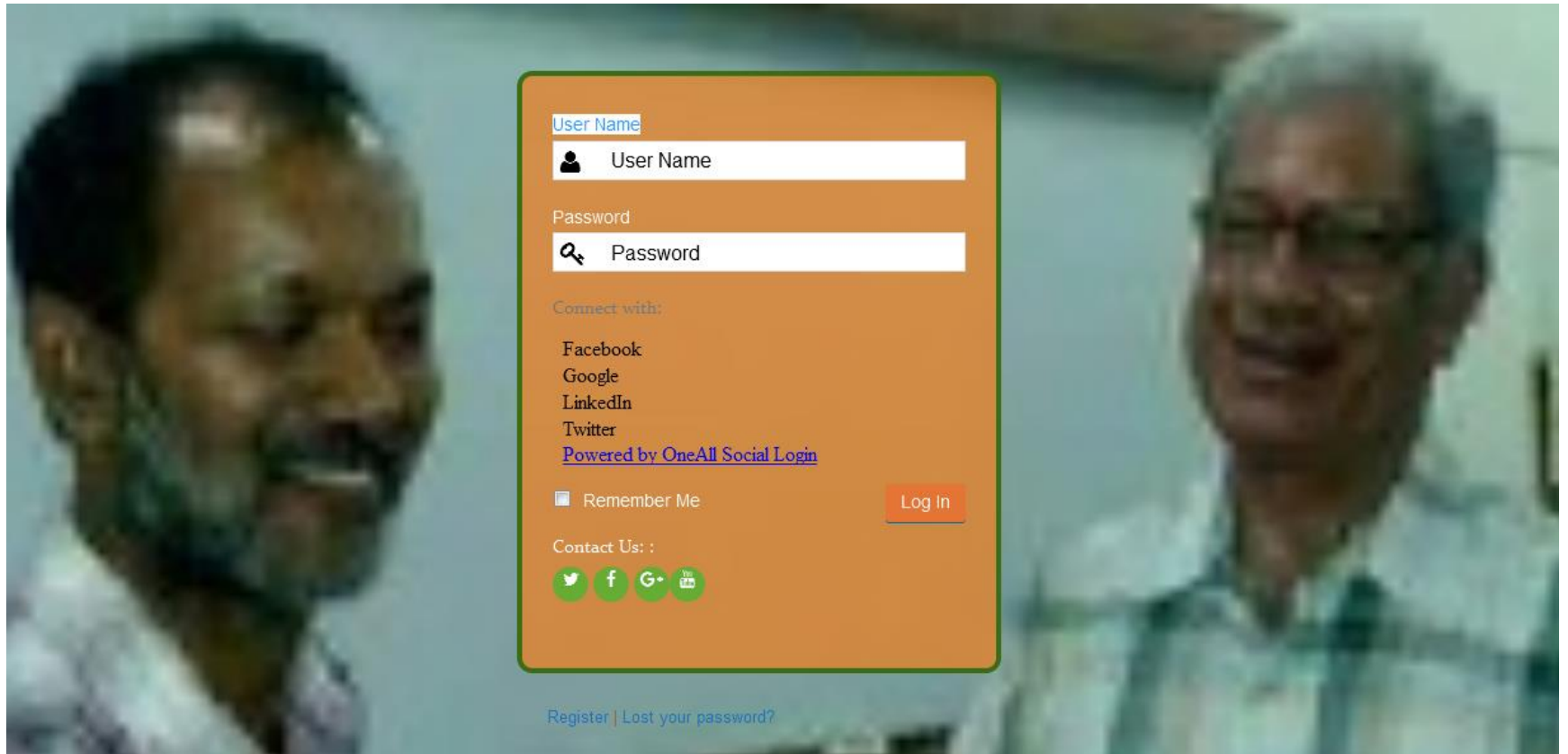
Last visit was: Thu Nov 06, 2014 10:55 i

unanswered posts • View unread posts • View new posts • View active topics

Mark forums re

SIC DESIGN	TOPICS	POSTS	LAST POST
Digital Design All queries related to number system, flip-flops, logic designs and CMOS based digital circuits.	20	30	by somulu Wed Jul 16, 2014 9:28 pm
Physical Design (PD) All question related to floorplanning, power planning, placement, clock tree synthesis (CTS), routing, DRC cleaning, LVS, power, IR drop, Electromigration (EM), ESD, package.	22	42	by sandeep Wed Sep 03, 2014 10:12 am
Synthesis & Timing Synthesis, timing closure, fixing setup & hold, constraints related questions can be asked here.	11	25	by RENU Tue Sep 02, 2014 12:28 pm
Design For Testing (DFT) SCAN, Boundary SCAN, MBIST, ATPG, JTAG, ATE, DFT simulations.	10	22	by RENU Tue Oct 14, 2014 6:29 pm
Frontend Architecture & Verification Post questions related to VHDL, Verilog, System Verilog, Architecture & Verification in this section.	8	11	by arushi Sun Aug 17, 2014 7:59 pm
Analog and Mixed Signal (AMS) Design Analog and Mixed Signal (AMS) Design.	3	5	by penguin Sun Sep 28, 2014 12:07 am
Embedded Systems Post related to Microprocessor, Microcontroller & real time system.	3	7	by Narveer Wed Sep 10, 2014 8:39 pm
Interview Material Post documents related to VLSI Design Interview Questions, Physical Design Interview Questions here.	7	13	by Narveer Sun Nov 09, 2014 9:29 pm
Job info Place job links and related material here.	13	14	by Narveer Thu Oct 09, 2014 5:59 pm

Latest effort-use of blog site- www.thequestform.org



Site after logging in

The quest-a thirst unquenchable..Customize0+ NewEdit Form

The quest-a thirst unquenchable..

we given me deeper thirsting after life. Surely there is no greater gift to a man than that which turns all his aims into parching lips and all life into a fountain. And in this lies my hono

HomeIn memoriamEnglish-ELLDocumentsQuizzesTestsA moon/candleCuriosity cornerWeb scapeSwBChange Agent

FOLLOW:



THE QUEST-A THIRST UNQUENCHABLE ..



QUEST
Explore your world... Explore your mind...

"And in this lies my honour and my reward.
That whenever I come to the fountain to drink
I find the living water itself" Khalil Gibran

What is QUEST?

QUEST is a discussion group which aims to bring like-minded people together.
It is your starting point for exploration.
QUEST is composed of three domains:

1. Quest SHOWCASE
2. Quest FORUM
3. Quest WALLZINE

How can I get Membership?

thequestforum

Log Out

ARCHIVES

Archives

Select Month

RECENT POSTS

Tuesday with Bill-Bill Nye, Do You Think about Your Mortality?

Public speaking tips-Barack Obama's 3 Best Public Speaking Tips

How Unethical Behavior

To search type and hit enter

CATEGORIES

Categories

Select Category

RECENT COMMENTS

sumit ch on swachh bharat-how to make it happen-from chalta hai to Kaam Chalu Mooh Bandh

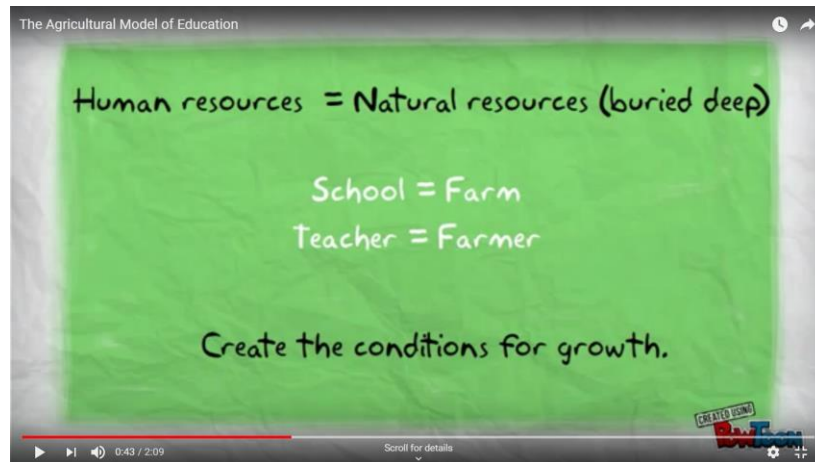
anil gurjar on swachh bharat-how to make it happen-from chalta hai to Kaam Chalu Mooh Bandh

FEATURED OCTOBER 15, 2016

Welcome questers : Your place to drink and get Drunk!!

"You have given me deeper thirsting after life. Surely there is no greater gift to a man than that which turns all his aims into

From factory model to agricultural model



Personalized education

Personalized Learning



PERSONALIZED LEARNING



IS DIFFERENT

Conclusions

- MOOC not to replace but enhance teaching/learning activity.(Dropout rate is more than 90%).
- we need to stop thinking of education as a “one and done” deal it is a continuum- life long
- Education from teaching centric to learning centric.
- Teachers to proactively become literate in the new teaching methods esp.mooc and and other on line resources and blended models.
- Gamification of learning process.
(Digital divide has to go-Govt initiatives)

One last thing

Gamification

- <http://questembryo.org/quiz/ascfeedback/index.html>

bprasad2005@gmail.com and you
may visit www.thequestforum.org

or

<http://www.balaprasad.com/chronicles-of-a-budthu/>

