



Accept the situation and move  
on with a SMILE.

No matter whether a smile is  
FAKE or REAL.

@  
Because no one really cares.

– Pritesh Lad

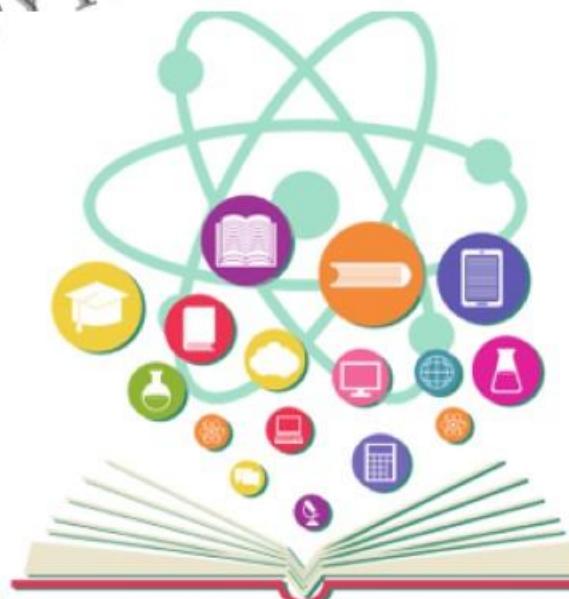


# PAPER 1 - ICT - UNIT 8

## DIGITAL INITIATIVES IN HIGHER EDUCATION



@UNIFY STUDY PAPER 1 - UNIT 8



UGC NET/SET COMPLETE COURSE JUNE 2024



# NMIEICT – FEB 3, 2009

# NATIONAL MISSION ON EDUCATION THROUGH ICT

*Administrator  
admiss  
Exam  
enrollment*



One India One Digital Platform

Match SWAYAM Course to your Formal Learning Level

Home About Us School Under Graduate Post Graduate Other Online Learning Platforms



**NMIEICT**

National Mission in Education through ICT

## SAMARTH - eGov Suite

FOR UNIVERSITIES AND HIGHER EDUCATION INSTITUTES

+09

PROCESSES

+40

MODULES

+60

FEATURES

### Mission Document

MissionDocument [Download](#)

MissionDocumentHindi [Download](#)

# UGC NET/SET COMPLETE COURSE JUNE 2024

- The National Mission on Education through Information and Communication Technology (NMEICT) is a Centrally Sponsored Scheme launched by the Ministry of Human Resource Development (MHRD), Government of India, in 2009 to leverage the potential of ICT in teaching and learning process for the benefit of all the learners in Higher Education Institutions in any time any where mode.
- [a] no talent of the country should be allowed to go waste,
- [b] all the services available through the content delivery portal Sakshat should be free
- and [c] freely available material on the web should be used so as to avoid reinventing the wheel.

N PTEL + Workshop



- HIGH SPEED CONNECTIVITY
  - ✓ → Internet.
  - 1Gbps. → universities
- A-VIEW SOFTWARE
  - ✓ → teacher training.
  - Virtual classrooms
  - interactive learning Outcome
  - ebooks, ejournals
- CONTENT REPOSITORY
  - N-LIST →
    - SHANMUGAM → e Archarya
    - ↪ Inflibnet

# ICT



Unify Study  
United Information for You

NM EICT

School

Swayam

Swayam Prabha

NDU

Spoken Tutorial

NISHTHA

Under Graduate

Swayam

Swayam Prabha

NDLI

Spoken Tutorial

Fossee

e-Yantra

E-ShodhSindhu

Virtual Labs

Shodh Shudhhi

Samarth

Baadal

VIDWAN

eGyanKosh

Post Graduate

Swayam

Swayam Prabha

NDLI

Spoken Tutorial

Fossee

e-Yantra

E-ShodhSindhu

Virtual Labs

Shodh Shudhhi

e-PG Pathshala

Samarth

Baadal

VIDWAN

Other Online Learning P

IIT Bx

IIM Bx

Electronics & ICT Academy

NEAT - AICTE

NROER

DIKSHA

SHAGUN

e-Pathshala

Video Conference & LMS

National  
Repository  
Open Educat  
Resource

↳ Kolpa  
↳ eadage

# NCERT - National Council of Educational Research and Training

- NCERT establishment: Founded by Indian Government in 1961. *Concurrent List ? 1976*
- Policy advisory role: Advises Central and State Governments on education policies.
- Research and coordination: Conducts and coordinates research in school education.
- Textbook development: Creates model textbooks, supplementary materials, and digital resources.
- Teacher training: Offers pre-service and in-service training programs.
- Innovation promotion: Promotes innovative educational techniques and practices.
- Stakeholder collaboration: Works with state departments, universities, and NGOs.
- Information hub: Acts as a clearing house for educational information.
- Universal Elementary Education: Nodal agency for achieving universal education goals.
- Cultural exchange: Implements bilateral programs in education.
- International collaboration: Collaborates globally and provides training to educational personnel.

SCERT



# NCERT CONSTITUTENT UNITS



- National Institute of Education (NIE), New Delhi
- Central Institute of Educational Technology (CIET), New Delhi
- Pandit Sundarlal Sharma Central Institute of Vocational Education (PSSCIVE), Bhopal
- Regional Institute of Education (RIE), Ajmer
- Regional Institute of Education (RIE), Bhopal
- Regional Institute of Education (RIE), Bhubaneswar
- Regional Institute of Education (RIE), Mysore
- North-East Regional Institute of Education (NERIE), Shillong

National Repository  
Open Education  
Resources

(AB)(B.M.S)

- SWAYAM hosts free courses from Class 9 to post-graduation. → MOOCs (Massive Open Online Courses)
- Courses are accessible anywhere, anytime.
- 4 QUADRANTS:
  - Q1 • Content includes video lectures
  - Q2 • downloadable reading materials.
  - Q3 • Self-assessment tests are available.
  - Q4 • Online discussion forums for clearing doubts.

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
9. **NITTTR** (National Institute of Technical Teachers Training and Research) for Teacher Training programme

ANU CAN IN



## SWAYAM - G - Ordinators



School Education



Out-of-School Education



Under-Graduate Education



Post-Graduate Education

NIOS ✓

NCERT

Curriculum Institutes of Open Schooling

IGNOU ✓

NITTTR ✓

NPTEL ✓

AICTE ✓

CEC ✓

IIMB ✓

NPTEL ✓

AICTE ✓

IIMB ✓

UGC ✓



https://swayamprabha.gov.in

→ Channels.



DOWNLOAD | ? FAQS | 📕 HELP MANUAL | 💬 FEEDBACK | 📞 CONTACT (Channels) | ► CHANNELS AND ALLOCATION ▾

Registration

Login



Home

About ▾

Search

Higher Education

School Education

SATHEE(Exam)



HIGHER EDUCATION

SCHOOL EDUCATION

COMPETITIVE EXAMINATION

Recent Updates

'DD SWAYAM Prabha' chanr

UGC NET/SET COMPLETE COURSE JUNE 2024



- SWAYAM PRABHA has **40** DTH channels for educational programs.
  - Broadcasting educational content **24/7** via GSAT-15 satellite.
  - Daily new content for at least 4 hours.
  - Content repeated 5 times a day for flexibility.
  - Programs provided by IITs, UGC, CEC, IGNOU.
  - Uplinked from **BISAG-N**, *Bhartkarchange Institute of Space Applications and Technology*.
  - Web portal maintained by INFLIBNET Centre.
- 1991

↳ SIE → 40 channels  
 SE → 200 channels (12)  
 CE → 8 channels  
 Sathee, ULASI BHARATHI are running  
 ↳ 24/7  
 ↳ GSAT satellite  
 Geosynchronous satellite  
 ↳ 4 hrs  
 ↳ 5 times a day  
 ↳ IIT, VNC, CEC, IGNOU, UOH.



| CH. NO. | CHANNEL NAME   | ROUTE/PARENT   |
|---------|--|----------------|
| 1       | CH 01: VAGEESH: CEC-<br>UGC 01: Language and Literature                          | CEC, New Delhi |
| 2       | CH 02: SANSKRITI: CEC-<br>UGC 02: History, Culture & Philosophy                  | CEC, New Delhi |
| 3       | CH 03: PRABODH: CEC-<br>UGC 03: Social & Behavioral Sciences                     | CEC, New Delhi |
| 4       | CH 04: SAARASWAT: CEC-UGC 04: Education and Home Science                         | CEC, New Delhi |
| 5       | CH 05: PRABANDHAN: CEC-UGC 05: Information, Communication and Management Studies | CEC, New Delhi |

High Education  
 1-10 ATHIL → CEC.  
 40 Channels =  
 VS P S P



6

CH 06: VIDHIK: CEC-  
UGC 06: Law and Legal  
Studies

CEC, New Delhi

V K ASD

7

CH 07: KAUTILYA: CEC-  
UGC 07: Economics  
and Commerce

CEC, New Delhi

PYQ

RATHI

Vidhik - Law

Kautilya → Economics  
Commerce

Aryabhatta → Finance  
Physical & Earth  
Science

Spandan → LifeScien

8

CH 08: ARYABHATT:  
CEC-UGC 08: Physical  
and Earth Sciences

CEC, New Delhi

9

CH 09: SPANDAN: CEC-  
UGC 09: Life Sciences

CEC, New Delhi

10

CH 10: DAKSH: CEC-  
UGC 10: Applied  
Sciences ✓

CEC, New Delhi



|    |  |                  |
|----|--|------------------|
| 11 | CH 11: IGNOU 01:<br><u>Social Sciences &amp; Humanities</u>        | IGNOU, New Delhi |
| 12 | CH 12: IGNOU 02:<br>Basic and Applied Sciences                     | IGNOU, New Delhi |
| 13 | CH 13: IGNOU 03:<br>Professional Education                         | IGNOU, New Delhi |
| 14 | CH 14: IGNOU 04:<br>State <u>Open Universities</u> and Gyandarshan | IGNOU, New Delhi |
| 15 | Ch 15: IGNOU 05:<br>Capacity Building and Teacher Education        | IGNOU, New Delhi |
| 16 | CH 16: IGNOU 06: Skill and Vocational Education                    | IGNOU, New Delhi |

Channel 11 - 16 → C1N00

→ SS ✓

→ Sci ✓

→ Prof ✓

→ Open ✓

→ Teacher ✓

→ VG ✓

PAPER PAPER BHARATHI

CH 11 → SS  
 CH 12 → SCI  
 CH 13 → PE  
 CH 14 → OO  
 CH 15 → TE  
 CH 16 → VE



Channel 17 - 20

IIT B

17-38-11T

17-20-11T IIT Bombay

21-22-  
THULASI BHARATHI Delhi

23 → " Gandhinagar

24-28 → " Kanpur

29-30 → " Kharagpur

31-36 → " Madras

37-38 → " Tirupati

39 → UOT

40 → Vys. CBS



21 CH 21: IIT DELHI 01:  
Textile Engineering IIT Delhi ✓

22 CH 22: IIT DELHI 02: IIT  
PAL IIT Delhi ✓

23 CH 23: IIT  
GANDHINAGAR 01:  
Civil Engineering IIT Gandhinagar ~~✓~~

24 CH 24: IIT KANPUR 01:  
Aeronautical  
Engineering IIT Kanpur

25 CH 25: IIT KANPUR 02:  
Humanities and Social  
Sciences IIT Kanpur

26 CH 26: IIT KANPUR 03:  
Management, Law,  
Economics; Business  
Analytics,  
Communication,  
Cooperative  
Management IIT Kanpur

27 CH 27: IIT KANPUR 04:  
Mechanical  
Engineering,  
Engineering Design,  
Manufacturing E & T  
and allied subjects IIT Kanpur

28 CH 28: IIT KANPUR 05:  
Visual  
communications,  
Graphic design, Media  
technology IIT Kanpur

Ch 22: IIT Delhi

↳ PAL.

Professor

Assisted Learning

ULASI BHARATHI  
Ch 24 - 28



|    |   |               |
|----|---|---------------|
| 29 | CH 29: IIT KHARAGPUR<br>01: Architecture &<br>Interior Design                           | IIT Kharagpur |
| 30 | CH 30: IIT KHARAGPUR<br>02: Computer Sciences<br>Engineering / IT &<br>Related Branches | IIT Kharagpur |

Ch 29 & 30

@UNIFY STUDY PAPER 1 THULASI BHARATHI

31

CH 31: IIT Madras 01:  
Instrumentation,  
Control and Biomedical  
and Engineering

IIT Madras

# ICT

32

CH 32: IIT Madras 02:  
Bridge Courses, Impact  
Series

IIT Madras

33

CH 33: IIT Madras 03:  
Chemical Engineering,  
Nanotechnology,  
Environmental and  
Atmospheric Sciences

IIT Madras

34

CH 34: IIT Madras 04:  
Health Sciences

IIT Madras

35

CH 35: IIT Madras 05:  
Metallurgical and  
Material Science  
Engineering, Mining  
and Ocean Engineering

IIT Madras

36

CH 36: IIT Madras 06:  
Skills and Logistics (IT -  
Enabled Sector,  
Banking, Financial and  
Insurance sector Skills  
Logistics, Supply Chain  
Management and  
Transportation, Life  
skills)

IIT Madras

Ch 31 - 36

PAPER 1 THULASI BHARATHI



|    |   |                            |
|----|---|----------------------------|
| 37 | CH 37: IIT TIRUPATI 01:<br>Chemistry,<br>Biochemistry and Food<br>Processing Engineering                                      | IIT Tirupati               |
| 38 | CH 38: IIT TIRUPATI 02:<br>Mathematics  | IIT Tirupati               |
| 39 | CH 39: UoH:<br><u>Performing Arts</u> (Indian<br>Classical Music and<br>Dances), Theatre Arts,<br>Film making and<br>Painting | University of<br>Hyderabad |
| 40 | Vyas - UGC  | CEC, New Delhi             |

Ch 37, 38 - IIT Tirupati  
 17- 38 → BHARATHI → give Content  
 PER 1 THULASI BHARATHI → give Content  
 1 - 10 - CEC  
 11-16 - IIT NOU  
 17- 38 - IIT (Bombay, Delhi, Kanpur  
 Lucknow, Madras Tirupati  
 Kharagpur)  
 39 → VYAS  
 40 → VYAS → CEC.



## PM EVIDYA

- PM eVidya is a unique and innovative venture by the Ministry of Education Government of India to facilitate multi-mode access to digital/online teaching-learning contents of various types among students and teachers. The uniqueness of the PM e-Vidya lies with its comprehensive accessibility for all as it caters the education content to all with its multi-mode set-up of remote learning platforms including Internet, radio, community radio, podcast, and TV.



- One of the significant initiatives of PM eVidya is creating 12 (now 200) PM eVidya TV channels on **One Class-One channel to broadcast educational content related to classes 1 to 12.** *PM eVidya 1 Direct To Home*
- PM eVidya DTH channels benefit learners in remote areas where stable internet is not available. *PM eVidya = 12*
- These channels broadcast curriculum-based educational content developed by NCERT and other agencies like **CBSE, KVS, NIOS, Rotary, etc.** Video content has been developed in Hindi, English, and Regional languages. *Quick Response*
- **QR codes** have been placed on these video content, which, when scanned using **the Diksha mobile app**, will take users to the same content on the **Diksha portal.**



# Digital Infrastructure for Knowledge Sharing 2017

[Skip to navigation](#) [Skip to main content](#)



Ministry of Education  
Government of India

[DIKSHA](#)[SWAYAM Portal](#)[SWAYAM Prabha TV](#)[Radio](#)[e-Content for CWSN](#)[Online Coaching for Competitive Exams](#)[Hindi](#)

- Store house of large number of eBooks and e-Contents
- Availability of e-Textbooks of NCERT and related e-Contents, mapped with QR Codes
- Content available in 15 languages and relates to grades 1-12

18



LAPTOP  
MODERN  
EDUCATION  
INTERNET  
BOOK  
WEB  
SCHOOL  
ELECTRONIC  
KNOWLEDGE  
UNIVERSITY  
TEACHING  
STUDY  
DIGITAL  
NET-LEARNING  
COMUNICATION  
MEDIA

# E-LEARNING TECHNOLOGY COMPUTER





# DIKSHA

- DIKSHA (**Digital Infrastructure for Knowledge Sharing**) has been formally launched by the Hon'ble Vice President of India on 5<sup>th</sup> September 2017.
- Honorable Venkaiah Naidu launched DIKSHA.
- For Students, Teachers, and Parents:
- **Features of DIKSHA Portal**
  - Here are some important features of DIKSHA portal for easy access of students:
    - **QR Code Access:** Scan QR code in NCERT books for National Digital Infrastructure.
    - **Language Options:** Portal available in English and 18 other languages for user comfort.
    - **Location-Based:** Select location and sub-location for region-specific course suggestions.
    - **Class-Based:** Choose class for accessing relevant study material on DIKSHA portal.



**Scan QR Code**  
Access content anywhere anytime

Scan QR Code

Point your phone at the QR Code to scan it.

DARBZ5

**Free Online Library**  
Access textbooks, resources, videos and more

English Medium    Hindi Medium    Urdu Medium

Class 5    Class 6    Class 7    Class 8    Class 9

**Recently Viewed**

- Honeycomb English - Class 7
- Mathematics
- Mathematics Part 01 Mathematics - Class 07
- Mathematics Part 02 Mathematics - Class 07

Library    Courses    Downloads    Profile

**Online Teacher Trainings**  
~~Learn and master teaching skills~~

Digital proficiency training - for teachers by NCTE

Join Training

2 batches available

Training Information    Training Modules

Certified Training

Training is relevant for teachers of:  
Class: 8, 9, 10  
Subject: All  
Medium: English, Hindi

Training Details  
Training end date: 31 Dec 2019

This course focuses on holistic development of teachers who really want to excel in their everyday business

NC TE  
National  
Council  
of  
Teacher  
Education  
1995

# SATHEE COMPETITIVE EXAM

MOE & IIT Kanpur



- SATHEE (**Self-Assessment Test and Help for Entrance Exams**) is a partnership between the **Ministry of Education** and **IIT Kanpur**.
- It offers an online platform with study materials, practice tests, and personalized guidance for competitive exam preparation.
- SATHEE extends its reach through DTH TV and web platforms.
- ~~Seven~~<sup>8</sup> channels cater to various stream exams, aiding students and job seekers nationwide.
- Represents a significant step in implementing the National Education Policy 2020.



| CH. NO. | CHANNEL NAME                   | ROUTE/PARENT                  |
|---------|--------------------------------|-------------------------------|
| 1       | CH 01: SATHEE-ENGINEERING      | IIT Kanpur                    |
| 2       | CH 02: SATHEE-MEDICAL          | IIT Kanpur                    |
| 3       | CH 03: SATHEE-LAW              | IIT Kanpur                    |
| 4       | CH 04: SATHEE-AGRICULTURAL     | IIT Kanpur                    |
| 5       | CH 05: SATHEE-SSC              | IIT Kanpur                    |
| 6       | CH 06: SATHEE-BANK             | IIT Kanpur                    |
| 7       | CH 07: SATHEE-RRB<br>(Railway) | IIT Kanpur                    |
| 8       | CH 40: SATHEE                  | Manipur University,<br>Imphal |

Eng meenj  
 Medicin  
 Law  
 + channel  
 A paper of THULASI BHARATHI  
 SSC ✓  
 Bank ✓  
 Railway ✓



|                                   |  |  |
|-----------------------------------|--|--|
| SWAYAM                            | Study Webs of Active-Learning for Young Aspiring Minds - MOOC  | 2017, 4 QUADRANTS, ANU CNN IIN                     |
| SWAYAM PRABHA                     | DTH, GSAT-15 - INFLIBNET - BISAG - GUJARAT- 24/ 7, 5 TIMES - 4HRS/DAY ,  | 2017 , HE-40, SE-200,CE- 40 UGC,IIT,CEC, IGNOU,UOH |
| NDL- NATIONAL DIGITAL LIBRARY     | Access e-content on multiple disciplines IIT KHARAGPUR   | 2016,  |
| E-VIDWAN                          | EXPERT DATABASE <i>University Expert Database (1999)+ Expert Database in Science and Technology ( 2001)</i> = E-VIDWAN                               | (2012)   |
| NAD – NATIONAL ACDEMIC REPOSITORY | digital issuance, storage, access and verification of Academic Awards  | 2017   |
| FOSSEE                            | Free/Libre and Open Source Software for Education IIT BOMBAY   | 2017   |
| VIRTUAL LAB                       | remote access to Laboratories in various disciplines of Science and Engineering  |  |
| SHODHGANGA                        | SOFT COPIES OF PHD THESIS  | 2009   |
| SHODH SUDHI @                     | PLAGARISM DECTECTION SOFTWARE Ouriginal  | 2019   |
| SHODHGANGOTRI                     | synopsis of research topic submitted to the universities   |  |
| SHODH SINDHU                      | e-ShodhSindhu was formed with merger of three consortia, namely UGC-INFONET Digital Library Consortium, NLIST and INDEST-AICTE Consortium – JOURNALS | 2015   |



|                          |  |                |
|--------------------------|--|----------------|
| E-KALPA                  | Creating Digital-learning Environment for Design (DSOURCE)                 | 2015           |
| E-YANTRA                 | incorporate Robotics into engineering education – IIT BOMBAY               | 2002           |
| E-GRANTALAYA             | transform traditional libraries to e-Library with Digital Library Services |                |
| INFLIBNET                | Information and Library Network - modernizing university libraries         | 1991, IUC-1996 |
| E-ACHARYA                | E CONTENT PORTAL   | 2000           |
| SPOKEN TUTORIAL          |  | 2009           |
| SAKSAHAT                 |  |                |
| NPTEL                    |  |                |
| EPGPATHSALA              |  |                |
| INDIAN KNOWLEDGE SYSTEMS |  |                |
| SAMARTH                  |  |                |
| ACADEMIC BANK OF CREDITS |  |                |
| DIKSHA                   |  |                |



Given below are two statements:

**Statement I:** The channels of SWAYAM PRABHA are uplinked from BISAG, Hyderabad. *Grandi nager*

**Statement II:** SWAYAM PRABHA is an education learning platform available 24×7 through ~~37~~<sup>40</sup> higher education DTH channels.

In the light of the above statements, choose the correct answer from the options given below:

- (a) Both Statement I and Statement II are true
- (b) Both Statement I and Statement II are false
- (c) Statement I is true but Statement II is false
- (d) Statement I is false but Statement II is true



| List-I<br>(Channel number of SWAYAM PRABHA) | List-II<br>(Name)            |
|---|------------------------------|
| A. Channel 03                               | I. PRABANDHAN → Mangal SP SP |
| B. Channel 04                               | II. VIDHIK → Law             |
| C. Channel 05                               | III. PRABODH → SS            |
| D. Channel 06                               | IV. SAARASWAT → Edus         |

Match List-I with List-II

Choose the correct answer from the options given below.

- (a) A-I B-IV C-III D-II
- (b) A-II B-III C-IV D-I
- (c) A-IV B-II C-I D-III
- (d) A-III B-IV C-I D-II



| LIST-I<br>(Channels of SWAYAM Prabha) | LIST-II<br>(Subjects covered)  |
|---------------------------------------|--|
| A. Channel 03:<br><b>PRABODH</b>      | I. Social Science-3, Management, Library sciences, Information Science and related subjects. |
| B. Channel 04:<br><b>SAARASWAR</b>    | I. Social science-1, Social and Behavioural sciences.  |
| C. Channel 05:<br><b>PRABANDHAN</b>   | II. Social science-4, Law, Legal studies, Human rights and related subjects.                 |
| D. Channel 06:<br><b>VIDHIK</b>       | II. Social science-2, Education, Psychology, Home science and related subjects.              |

**Match List I with List II**  
**Choose the correct answer from the options given below**

- |     |       |      |       |       |
|-----|-------|------|-------|-------|
| (a) | A-II  | B-IV | C-1   | D-III |
| (b) | A-IV  | B-I  | C-II  | D-III |
| (c) | A-IV  | B-II | C-III | D-I   |
| (d) | A-III | B-II | C-IV  | D-I   |

Ans is  
 10:00 am  
 8:00 pm  
 App  
 Mock test