

# Dayanand Science College, Latur

## SWAYAM-NPTEL local Chapter

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### *Report of NPTEL2019-20*

#### **Introduction :**

- **SWAYAM** or *Study Webs of Active Learning for Young Aspiring Minds* is a programme of the **Ministry of Human Resource Development, Government of India**, that enables professors and faculties of centrally funded institutions like **IITs, IIMs**, Central University Of Haryana to offer online courses. Previously, the courses were only for the citizens of **India**, but now they are offered to anyone in the world having an internet connection.
- **SWAYAM**, the free online education was developed by **MHRD, Govt. Of India** and **AICTE** with the help of **Microsoft**. It offers hundreds of courses with transferable credits.
- All courses are offered free of cost under this programme, however fees are levied in case the learner requires a certificate.
- In the first phase, **IIT Bombay, IIT Madras, IIT Kanpur, IIT Guwahati, University of Delhi, Jawahar Lal Nehru University, IGNOU, IIM Bangalore, IIM Calcutta, Banaras Hindu University**, alone as well as with the help of faculty from foreign universities will be offering courses in areas of engineering education, social science, energy, management, basic sciences. At least one crore students are expected to benefit in 2 to 3 years through this initiative. India has become one of the few countries in the world which has its own online interactive learning platform that provides not only video lectures and reading material but also assignments/quizzes that could end up in securing credits after completing the assessment system. Ex-President of India **Shri Pranab Mukherjee** launched the **SWAYAM** and **SWAYAM Prabha**, the 32 **DTH** channels operationalised for telecasting educational content free of charge using the **GSAT-15** satellite transponders.

#### **Establishing SWAYAM NPTEL Local Chapter in Our College**

- **SPOC Name**–Dr. RAVINDRA S. SHINDE
- **Designation** - ASSISTANT PROFESSOR, CHEMISTRY
- **Partnering since** - Dec-2017
- **College Id**– 1476

## Dayanand science college, Latur

Swayam-NPTEL report 2019-20

The Dayanand science college, Latur establish NPTEL local chapter on December 2017. According to this our Principle prepare committee to run online NPTEL course in college. The NPTEL local chapter web page of Dayanand Science College being created by NPTEL on it:

<http://nptel.ac.in/localchapter.>,

[https://nptel.ac.in/LocalChapter/college\\_homepage.php?collegeid=1476](https://nptel.ac.in/LocalChapter/college_homepage.php?collegeid=1476)

<https://nptel.ac.in/LocalChapter/ack3/1.php>

2. Committee:

### SWAYAM -NPTEL Portfolio 2019-20

Sr. No.	Name of Member	Designation
1	Dr. R. S. Shinde	Co-ordinator
2	Dr. S. C. Gangawane	member
3	Prof. S. S. Jaju	Member
4	Prof. M. B. Sugre	Member



# Dayanand science college, Latur

Swayam-NPTEL report 2019-20



2017-12-26

To  
The Principal  
DAYANAND SCIENCE COLLEGE  
PRAKASH NAGAR LATUR  
LATUR - 413512  
MAHARASHTRA

Dear Sir/Madam,

Sub: Establishing SWAYAM NPTEL Local Chapter in your college

Greetings from the NPTEL office.

This is to acknowledge the receipt of your letter accepting to host SWAYAM NPTEL Local Chapter in your institution.

The **Single Point of Contact (SPOC)** nominated from your college is

**Name of SPOC:** PROF. RAVINDRA S. SHINDE  
**Designation:** ASSISTANT PROFESSOR  
**Department:** CHEMISTRY  
**Contact No(s):** 9850150872  
**E-mail id:** rshinde.33381@gmail.com

We wish to inform you that all future correspondence related to NPTEL contents and online courses will be made to the afore-mentioned SPOC. He/she will be routinely updated with all the latest NPTEL initiatives which then may be circulated among the students.

We are also happy to share that a dedicated SWAYAM NPTEL Local Chapter web page is being created and your institution will have a separate page on it (<http://npTEL.ac.in/LocalChapter>).

Thanking you.

Sincerely

A handwritten signature in black ink, appearing to be 'Andrew Thangaraj', written over a horizontal line.

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT MADRAS

## Dayanand science college, Latur

Swayam-NPTEL report 2019-20

### *Important circulars and local chapter approvals about SWAYAM-NPTEL Online Courses*

<b>Sr. No.</b>	<b>Documents</b>
1.	<a href="#">UGC SwayamGazette 19July2016</a>
2.	<a href="#">UGC-Letter-SWAYAM-MOOCs 10August2018</a>
3.	<a href="#">AICTE 22August2016Gazette</a>
4.	<a href="#">SRTMUN CircularNo2336 02.02.2018</a>
5.	<a href="#">SRTMUN Circular 16.11.2018</a>
6.	<a href="#">Enrollment Open for SWAYAM-NPTEL Online Courses (January to April 2020)</a>
7	<a href="#">Circular No.1310 dated 11.09.2019 Ordinance for SWAYAM-NPTEL-Other MOOC Courses Credit Transfer under CBCS w.e.f.2019-20</a>
8	Link for SWAYAM
9	<a href="https://nptel.ac.in/">https://nptel.ac.in/</a>
10	<a href="http://www.srtmun.ac.in/en/swayam-nptel/11259-enrollment-open-for-nptel-online-courses-july-dec-2019.html">http://www.srtmun.ac.in/en/swayam-nptel/11259-enrollment-open-for-nptel-online-courses-july-dec-2019.html</a>
11	Link of our Dayanand Science college Swayam-NPTREL local chapter <a href="https://nptel.ac.in/LocalChapter/statistics/1476/">https://nptel.ac.in/LocalChapter/statistics/1476/</a>
12	Link for registering to Online Courses of NPTEL <a href="https://onlinecourses.nptel.ac.in/">https://onlinecourses.nptel.ac.in/</a>
13	<a href="#">Second Circular regarding NPTEL</a>
14	<a href="#">NPTEL Online Courses January-April 2019</a>
15	<a href="https://nptel.ac.in/">https://nptel.ac.in/</a>

### 3. Outcomes

For announcements, you may go to <http://nptel.ac.in/>. The main outcomes/objectives are as follows.

1. NPTEL web and video courses across 23 disciplines are available on our portal nptel.ac.in.
2. In 2014 process of getting certified from NPTEL courses was initiated, so that learners get a tangible end result in the form of a certificate from the IITs/IISc for their effort.
3. Certification courses are offered twice a year (Jan-Jun, Jul-Dec).
4. Joining a course is free.
5. Anyone can learn from these courses anywhere anytime.
6. No pre-requisites, no age limit, no entrance criteria to enroll.
7. Learning can be done by watching videos and this is tested by the weekly assignments, that are to be submitted online within the prescribed deadline.
8. Any queries/doubts you may have, you can post in the respective discussion forum, which will be answered by the faculty and his/her team.
9. There is an optional proctored certification exam that the learner can take for a nominal fee at the end of the course to earn certificates from the IITs.
10. Enabling students to obtain certificates to make students employable in the industry or pursue a higher education program.
11. Relevant exposure to tools and technologies are being offered.
12. The learner has to be present in person for the exam and currently exams are conducted only in India in about 130+ cities in two shifts. Learner has to appear at the designated exam centre to participate in the exam, where his/her id is verified.
13. The 25% of the final marks comes from the Assignments and 75% from the final exam.
14. To enhance skills and gain essential knowledge required for student's field or brushing up the basic key concepts.
15. To build a strong resume and character ultimately grooming students to get easily absorbed in a cooperate life.

## Dayanand science college, Latur

Swayam-NPTEL report 2019-20

The main benefits of participating in an online course under NPTEL are:

1. Students: credit transfer and better resume.
2. Faculty: Refresher courses, AICTE recognized FDP courses.
3. Working professionals: For upskilling and reskilling.

### Certification of students in various categories July-Oct 2019

Course Run	Present	Gold	Elite	Successful	Participation	Topper
<a href="#">July-Oct 2019</a>	5	0	5	0	5	0
<a href="#">Jan-Apr 2019</a>	5	0	1	1	1	2
<a href="#">Jul-Oct 2018</a>	3	0	1	0	2	0

## SWAYAM-NPTEL Exam Result

Course Run	Present	Gold	Elite	Silver	Successful	Participation	Topper
<a href="#">July-Oct 2019</a>	5	0	4	1	0	5	0
<a href="#">Jan-Apr 2019</a>	5	0	1	1	1	2	0
<a href="#">Jul-Oct 2018</a>	3	0	1	0	2	0	0

### Statement of teachers attending the SWAYAM-NPTEL workshops

Sr.No.	Workshop title	Date of the workshop	Name of the teacher
1.	SPOC Felicitation Workshop/ NPTEL Awareness program at IIT, Bombay	12 January 2018	Dr.R.S. Shinde
2.	SPOC Felicitation Workshop/	12 January	Dr. S. S. Mahurkar

## Dayanand science college, Latur

Swayam-NPTEL report 2019-20

	NPTEL Awareness program at IIT, Bombay	2018	
3	NPTEL Awareness program at S.R.T.M. University, Nanded	19 July 2019	Dr. S. S. Mahurkar

### Local Chapter Outcome

The achievements of the batches in our college are given below:

Achievements of the two batches in 2018	Jan-Apr 2018	Jul-Oct 2018	Jan-Apr 2019	July-Oct 2019	Jan-April 2020
Total enrolments to the online free course	68	120	155	219	89
Number of students submitting exam forms	-	04	04	07	01
Number of students appeared for the exam	-	04	04	05	01
Number of students who successfully completed the course	-	03	03	05	01

### Course Wise Outcome of July- October 2019 batch

Sr. no	Course-Id	Course Name	Present	Gold	Elite	Success	Participation
1	noc19-ma18	Calculus of One Real Variable	3	0	3	0	0
2	noc19-bt15	Genetic Engineering: Theory and Application	1	0	01	01	0
3	noc19-ma23	Introduction to Abstract and Linear Algebra	1	-	1	-	-

# Dayanand science college, Latur

Swayam-NPTEL report 2019-20

## Course Wise Enrollments of July Oct-2019 batch

Course Id	Course Name
noc19-ae10	Aircraft Stability and Control
noc19-bt15	Genetic Engineering: Theory and Application
noc19-bt16	Bioenergy
noc19-bt17	Plant Developmental Biology
noc19-bt18	Plant Cell Bioprocessing
noc19-bt19	Introduction to Biostatistics
noc19-bt21	Nanotechnology in Agriculture
noc19-bt24	Functional Genomics
noc19-bt32	WildLife Conservation
noc19-bt33	Tissue engineering
noc19-ch19	Chemical Process Safety
noc19-cs42	Introduction to Programming in C
noc19-cs46	Data Base Management System
noc19-cs48	Object oriented analysis and design
noc19-cs59	Python for Data Science
noc19-cs68	Ethical Hacking
noc19-cs84	Programming In Java
noc19-cy18	Analytical Chemistry
noc19-cy19	Coordination Chemistry
noc19-cy20	Introductory Organic Chemistry I
noc19-cy21	Mechanisms in Organic Chemistry
noc19-cy22	Organic Chemistry in Biology and Drug Development
noc19-cy23	Principles of Organic Synthesis
noc19-cy24	Reagents in Organic Synthesis
noc19-cy25	Stereochemistry
noc19-cy26	Bioinorganic Chemistry
noc19-cy27	Metals in Biology
noc19-cy27	Metals in Biology
noc19-cy28	Ultrafast Optics and Spectroscopy
noc19-cy29	Spectroscopic Techniques for Pharmaceutical and Biopharmaceutical Industries
noc19-cy30	NMR spectroscopy for Chemists and Biologists
noc19-cy32	Thermodynamics: Classical to Statistical
noc19-cy33	Introductory Non-Linear Dynamics
noc19-cy34	Biophysical chemistry
noc19-cy35	Chemical Crystallography
noc19-ee49	Principles of Modern CDMA/ MIMO/ OFDM Wireless Communications



## Dayanand science college, Latur

Swayam-NPTEL report 2019-20

noc19-ge18	Accreditation and Outcome based Learning
noc19-ge25	Manage TB
noc19-ge29	Sustainable and Affordable Sanitation Solutions For Small Towns: Policy, Planning and Practice
noc19-hs32	Developing Soft Skills and Personality
noc19-hs33	Soft skills
noc19-hs34	Body Language: Key to Professional Success
noc19-hs51	German-I
noc19-hs56	Psychology of Everyday
noc19-hs64	Consumer Psychology
noc19-ma18	Calculus of One Real Variable
noc19-ma19	Calculus of Several Real Variables
noc19-ma23	Introduction to Abstract and Linear Algebra
noc19-ma24	Introduction to Abstract Group Theory
noc19-ma29	Operations Research
noc19-me76	Aircraft Propulsion
noc19-mg37	Financial Accounting
noc19-mg50	Economics of Health and Health Care
noc19-mm21	Nanotechnology, Science and Applications
noc19-ph08	Introduction to Electromagnetic Theory
noc19-ph09	Experimental Physics - II
noc19-ph10	Introduction to Statistical Mechanics
noc19-ph11	Numerical Methods and Simulation Techniques for Scientists and Engineers
noc19-ph14	Solid State Physics
noc19-ph18	Waves and Oscillations

### Course Wise Enrollments of Jan-April 2020 batch

Course Id	Course Name
nd1_ns_noc20_cs09	Data Base Management System
nd1_ns_noc20_cs21	Cryptography and Network Security
nd1_ns_noc20_cs13	Compiler Design
nd1_ns_noc20_ma12	Ordinary and Partial Differential Equations and Applications
nd1_ns_noc20_cy15	Pericyclic Reactions and Organic Photochemistry
nd1_ns_noc20_cy03	Basics in Inorganic Chemistry
nd2_ns_arp19_ap51	Online Refresher Course In Chemistry For Higher Education
nd1_ns_noc20_ma12	Ordinary and Partial Differential Equations and Applications
nd2_ns_arp19_ap55	Climate Change: A Guide For Teachers Of All Disciplines
nd2_ns_cec20_ma08	Partial Differential Equations
nd1_ns_noc20_hs06	Effective Writing
nd1_ns_noc20_cy15	Pericyclic Reactions and Organic Photochemistry
nd1_ns_noc20_hs10	Enhancing Soft Skills and Personality

## Dayanand science college, Latur

Swayam-NPTEL report 2019-20

nd1_ns_noc20_ce17	Applied Environmental Microbiology
nd1_ns_noc20_cy03	Basics in Inorganic Chemistry
nd1_ns_noc20_cy11	Reactive Intermediates: Carbene and Nitrene
nd1_ns_noc20_cy12	Organometallic Chemistry
nd2_ns_arp19_ap67	Refresher Course on Teacher and Teaching in Higher Education
nd2_ns_arp19_ap58	Online Refresher Course in Education (Concerns In Educational Research And Assessment)
nd2_ns_arp19_ap79	A Practical Refresher In Computer Science
nd1_ns_noc20_cy08	Fundamentals of Spectroscopy
nd2_ns_cec20_cs09	Cyber Security
nd2_ns_cec20_cs06	Operatings Systems
nd2_ns_nou20_hs01	Basics of Russian-Part 1
nd2_ns_cec20_hs22	Advanced Constitutional Law
nd2_ns_cec20_as01	Hindustani Raga Sangeet - Level 3
nd1_ns_noc20_cy02	Quantitative Methods in Chemistry
nd1_ns_noc20_cy13	Chemical Applications of Symmetry and Group Theory
nd2_ns_cec20_ag01,	Nutritional and Clinical Biochemistry
nd2_ns_cec20_ag04	Food Microbiology and Food Safety
nd2_ns_nou20_ag02	Food laws and standards
nd1_ns_noc20_me04	Cell Culture Technologies
nd1_ns_noc20_bt03	Bioenergetics of Life Processes
nd1_ns_noc20_cs23	Computer Networks and Internet Protocol
nd2_ns_arp19_ap77	Data Analysis For Social Science Teachers
nd1_ns_noc20_bt03	Bioenergetics of Life Processes
nd1_ns_noc20_bt06	Human Molecular Genetics
nd1_ns_noc20_ma03	Basic Real Analysis
nd1_ns_noc20_cs36	Python for Data Science
nd1_ns_noc20_ph11	Introduction to Atmospheric and Space Sciences
nd1_ns_noc20_ph01	Physics through Computational Thinking
nd1_ns_noc20_ph08	Electromagnetism
nd1_ns_noc20_ch12	Heat Transfer
nd2_ns_nou19_cs08	INTRODUCTION TO CYBER SECURITY
nd2_ns_cec20_hs10	Resources and Environment
nd1_ns_noc20_cy14	Basic thermodynamics Classical and Statistical Approaches
nd2_ns_nou20_ag03	Indian Agricultural Development
nd1_ns_noc20_mg25	Global Marketing Management
nd1_ns_noc20_mg31	Financial Management For Managers
nd2_ns_cec20_cs02	Art of C Programming
nd1_ns_noc20_cs46	Data Analytics with Python
nd1_ns_noc20_cs03	Introduction to Database Systems,
nd1_ns_noc20_cs21	Cryptography and Network Security
nd1_ns_noc20_cs04	Operating System, Problem

## Dayanand science college, Latur



Swayam-NPTEL report 2019-20

nd1_ns_noc20_cs06	solving through Programming In C
nd1_ns_noc20_cs08	Programming in Java
nd2_ns_aic19_ed29	Yoga Practices 1
nd1_ns_noc20_hs19	English Language for Competitive Exams
nd1_ns_noc20_cs26	Data Structures And Algorithms Using Python
nd1_ns_noc20_ph08	Electromagnetism
nd1_ns_noc20_ma08	Basic Linear Algebra
nd2_ns_cec20_ma03	Graph Theory
nd1_ns_noc20_ma03	Basic Real Analysis"
nd1_ns_noc20_ma08	Basic Linear Algebra
nd1_ns_noc20_ma02	Measure Theory
nd1_ns_noc20_ma21	Linear Algebra
nd2_ns_cec20_ma08	Partial Differential Equations
nd1_ns_noc20_cy02	Quantitative Methods in Chemistry
nd1_ns_noc20_cy13	Chemical Applications of Symmetry and Group Theory
nd1_ns_noc20_hs14	Speaking Effectively
nd1_ns_noc20_hs41	German-I
nd1_ns_noc20_hs16	Soft Skill Development
nd2_ns_cec20_ge09	Basics of Photography
nd2_ns_cec20_cs08	ANIMATIONS
nd1_ns_noc20_ce17	Applied Environmental Microbiology
nd2_ns_nos19_hs08	Sr.Secondary : Psychology (328)
nd1_ns_noc20_bt09	Bioengineering: An Interface with Biology and Medicine
nd1_ns_noc20_cy10	Biochemistry
nd2_ns_cec20_bt05	Immunology
nd1_ns_noc20_bt03	Bioenergetics of Life Processes
nd1_ns_noc20_cy16	Medicinal Chemistry
nd1_ns_noc20_cs23	Computer Networks and Internet Protocol
nd1_ns_noc20_cy09	Advanced Chemical Thermodynamics and Kinetics
nd2_ns_arp19_ap77"	Data Analysis For Social Science Teachers

**Faculty and college toppers in NPTEL-SWAYAM course  
July-Oct 2019**

**Elite**

**NPTEL Online Certification**  
(Funded by the Ministry of HRD, Govt. of India)




This certificate is awarded to  
**SHRINATH KENDRE**  
for successfully completing the course  
**Calculus of One Real Variable**

with a consolidated score of **83** %


Online Assignments	21.25/25	Proctored Exam	61.5/75
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Total number of candidates certified in this course: **283**




**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur


**Jul-Sep 2019**  
(8 week course)



**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur





Indian Institute of Technology Kanpur



Roll No: NPTEL19MA18S11610117To validate and check scores: <https://npTEL.ac.in/noc>

**Elite**

**NPTEL Online Certification**  
(Funded by the Ministry of HRD, Govt. of India)




This certificate is awarded to  
**PRAMOD RAJARAM BHOSLE**  
for successfully completing the course  
**Calculus of One Real Variable**

with a consolidated score of **71** %


Online Assignments	20.00/25	Proctored Exam	51/75
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Total number of candidates certified in this course: **283**




**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur


**Jul-Sep 2019**  
(8 week course)



**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur




Indian Institute of Technology Kanpur




Roll No: NPTEL19MA18S11610119To validate and check scores: <https://npTEL.ac.in/noc>

**Elite**



## NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)




This certificate is awarded to  
**SANDHYA KENDRE**  
for successfully completing the course  
**Calculus of One Real Variable**

with a consolidated score of **66** %


Online Assignments	21.25/25	Proctored Exam	45/75
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Total number of candidates certified in this course: 283




**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur


**Jul-Sep 2019**  
(8 week course)



**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur




Indian Institute of Technology Kanpur




Roll No: NPTEL19MA18S11610121To validate and check scores: <https://nptel.ac.in/noc>

**Elite**



## NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)




This certificate is awarded to  
**PIMPLE NISHANK SUDHAKAR**  
for successfully completing the course  
**Introduction to Abstract and Linear Algebra**

with a consolidated score of **71** %


Online Assignments	18.75/25	Proctored Exam	52.04/75
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Total number of candidates certified in this course: 538




**Prof. Adrijit Goswami**  
Dean, Continuing Education & NPTEL Coordinator  
IIT Kharagpur

**Aug-Oct 2019**  
(8 week course)




Indian Institute of Technology Kharagpur



Roll No: NPTEL19MA23S41710071To validate and check scores: <https://nptel.ac.in/noc>


# Dayanand science college, Latur

Swayam-NPTEL report 2019-20



**Elite**

**NPTEL Online Certification**  
(Funded by the Ministry of HRD, Govt. of India)




This certificate is awarded to  
**RAHUL ASHOKRAO MORE**  
for successfully completing the course  
**Genetic Engineering: Theory and Application**


with a consolidated score of **62** %

Online Assignments	12.97/25	Proctored Exam	48.75/75
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Total number of candidates certified in this course: **311**

**Jul-Oct 2019**  
(12 week course)

  
**Prof. Hemant B Kaushik**  
Head, Centre for Educational Technology  
& NPTEL Coordinator  
IIT Guwahati



Indian Institute of Technology Guwahati




Roll No: NPTEL19BT15S41710058


To validate and check scores: <https://nptel.ac.in/noc>

## Course Wise Outcome of Jan- Apr 2020 batch (Covid-19 impacted)


Sr. no	Course-Id	Course Name	Prese nt	Gol d	Elit e	Succe ss	Participati on
1	noc20-cs23	Computer Network and Internet Protocol	1	0	0	1	1



**NPTEL Online Certification**  
(Funded by the Ministry of HRD, Govt. of India)




This certificate is awarded to  
**BIRADAR VAISHALI BHAGWAN**  
for passing the course  
**Computer Networks and Internet Protocol**  
with Score\* **65** %




*A. Goswami*  
**Prof. Adrijit Goswami**  
Dean, Continuing Education & NPTEL Coordinator  
IIT Kharagpur

Jan-Apr 2020  
(12 week course)



Indian Institute of Technology Kharagpur



**\*Continuous online assessment score** To validate and check scores: <https://nptel.ac.in/noc>

# Dayanand science college, Latur


Swayam-NPTEL report 2019-20

SWAYAM - NPTEL LOCAL CHAPTER

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Coordinated By : IIT MADRAS

**DAYANAND SCIENCE COLLEGE**  
PRAKASH NAGAR LATUR  
LATUR  
Url: <http://www.dsclatur.org>



SPOC Name - PROF. RAVINDRA S. SHINDE

Designation - ASSISTANT PROFESSOR, CHEMISTRY

Partnering since - Dec-2017

College Id - 1476

NPTEL is very happy to be associated with *DAYANAND SCIENCE COLLEGE* institute and its students. We are thankful to *PROF. RAVINDRA S. SHINDE* for being a pillar of support in NPTEL initiatives.

Course Run	Present	Gold	Elite	Silver	Successful	Participation	Topper
Jul-Dec 2019	5	0	4	1	0	0	0
Jan-Apr 2019	5	0	1	1	1	2	0
Jul-Oct 2018	3	0	1	0	2	0	0

**Inaugural function of Swayam-NPTEL awareness program on dated 20-01-2020**



# Dayanand science college, Latur

Swayam-NPTEL report 2019-20



**Principal Dr. J. S. Dargad sir, Resource person Dr. Renuka R. Londhe, Dr. Y. P. Sarnikar, Dr. R. S. Shinde, Dr. N.S. Korde, Dr. R.B. Shinde, Dr. J. A. Angulwar, Dr. A. M. Chougule**



# Dayanand science college, Latur

Swayam-NPTEL report 2019-20



<https://epaper.dainikekmat.com/edition/6524/latur/page/3>

# Dayanand science college, Latur

Swayam-NPTEL report 2019-20



# Dayanand science college, Latur

Swayam-NPTEL report 2019-20



## Jiitag Photograph for Swayam-NPTEL awareness program certificate Distribution







कर्मचाऱ्यांनी भोवत्या संख्येने उपस्थित राहावे, असे आवाहन भागवत पवळे, जिल्हाध्यक्ष पांडुरंग चिंचोलकर, कार्याध्यक्ष अमोल चामे, कार्यवाह पांडुरंग देडे, राजेश्वर चापुले, गोंदकर, बाहेती मंडम, बोरफळे आदींनी केले आहे.

दश व राज्य पातळावर मंदीसदृश स्थितीमुळे गृहवांघणी क्षेत्रावर आलेल्या अडचणीवर भविष्यकालीन उपाययोजना आखणीसाठी हे अधिवेशन अत्यंत मोलाचे असल्याचे मानले

रायाझग वाक्य चेऊ महाकॉन-२० मुख्यमंत्री उद्ध होणार आहे. कॅबिनेट

## स्वयंम एनपीटीईएल ऑनलाईन कोर्स आवश्यक : प्रा. डॉ. लोंढे

लातूर : प्रतिनिधी

भविष्यात एनपीटीईएलच्या विद्यार्थ्यांना आयआयटीकडून प्रस्तावित असलेल्या व्हर्चुअल युनिव्हर्सिटीमधून व्हर्चुअल पदवी मिळविता येणार आहे. म्हणून नॅशनल प्रोग्राम ऑन टेक्नॉलॉजी एनव्हायन्ड लर्निंग कोर्सेस विद्यार्थी, प्राध्यापकांच्या उच्चल भविष्यासाठी अत्यंत गरजेचे आहेत. याशिवाय या ऑनलाईन कोर्सची प्राध्यापक व विद्यार्थी यांना माहिती व्हावी, त्यांच्यामध्ये रूची वाढावी आणि ज्ञानार्जनाच्या दृष्टीने त्यांना अधिकाधिक संधीचे दरवाजे खुले व्हावे ही काळाची गरज आहे, असे प्रतिपादन प्रा. डॉ. रेणुका लोंढे यांनी केले.

दयानंद विज्ञान महाविद्यालयात रसायनशास्त्र विभागाच्या वतीने 'स्वयंम एनपीटीईएल जनजागृती' या विषयावरील एक दिवसीय कार्यशाळेत डॉ. लोंढे

प्रमुख पाहुणे म्हणून बोलत होत्या.

कार्यक्रमाच्या अध्यक्षस्थानी प्राचार्य डॉ. जयप्रकाश दरगड होते. या वेळी रसायनशास्त्र विभाग प्रमुख डॉ. युवराज सारणीकर, डॉ. नंदिनी कोरडे, डॉ. रवींद्र शिंदे यांची प्रमुख उपस्थिती होती. अध्यक्षीय समारोपात प्राचार्य डॉ. दरगड यांनी एनपीटीईएल कोर्सेस हे विद्यार्थी व प्राध्यापकांच्या ज्ञानार्जनासाठी अत्यंत उपयुक्त आहेत. याशिवाय हे कोर्सेस विद्यार्थ्यांच्या अभ्यासक्रमातीलच विषय आहेत तसेच प्राध्यापकांचा कॅस प्रमोशनसाठी हे कोर्स महत्त्वाचे आहेत. आयआयटीचे प्रमाणपत्रही मिळते. भविष्यात स्वयंम अंतर्गत अशा ऑनलाईन कोर्सेसला निश्चितच महत्त्व प्राप्त होणार असून हे कोर्सेस मुलाखतीसाठी पात्र ठरतील. त्यामुळे या संधीचा लाभ घ्यावा, असे म्हटले.

पान ८ वर



## स्वयंम एनपीटीईएल ऑनलाईन कोर्स करणे ही काळाची गरज-प्रा. डॉ. रेणुका लोंढे

लातूर, दि. ३ : विज्ञान तंत्रज्ञान आणि सगुणकांच्या युगात एनपीटीईएल कोर्सेस हे विद्यार्थी व प्राध्यापकांच्या अद्ययावत ज्ञानासाठी अत्यंत उपयुक्त आहेत. इंजिनीअरिंग, सायन्स आणि मानव्यविद्या म्हणजेच कला, वाणिज्य आणि विज्ञान अशा सर्व शाखेतील विद्यार्थ्यांना आणि प्राध्यापकांना हे कोर्सेस करता येतात. आज २९१ एनपीटीईएल कोर्सेस जवळपास उपलब्ध आहेत. हे कोर्स केल्यानंतर विद्यार्थ्यांच्या क्रिडेड सिस्टीममध्ये गुणात्मक वाढ होते. भविष्यात एनपीटीईएलच्या विद्यार्थ्यांना आयआयटीकडून प्रस्तावित असलेल्या व्हर्चुअल युनिव्हर्सिटीमधून व्हर्चुअल पदवी मिळविता येणार आहे. म्हणून नॅशनल प्रोग्राम ऑन टेक्नॉलॉजी एनव्हायन्ड लर्निंग कोर्सेस विद्यार्थी, प्राध्यापकांच्या उच्चल भविष्यासाठी अत्यंत गरजेचे आहेत. याशिवाय या ऑनलाईन कोर्सची प्राध्यापक व विद्यार्थी

यांना माहिती व्हावी, त्यांच्यामध्ये रूची वाढावी आणि ज्ञानार्जनाच्या दृष्टीने त्यांना अधिकाधिक संधीचे दरवाजे खुले व्हावे ही काळाची गरज आहे, असे प्रतिपादन राजर्षी शाहू महाविद्यालय, लातूर येथील संगणकशास्त्र विभाग प्रमुख डॉ. रेणुका लोंढे यांनी केले.

दयानंद विज्ञान महाविद्यालयात रसायनशास्त्र विभागाच्या वतीने 'स्वयंम एनपीटीईएल जनजागृती' या विषयावरील एक दिवसीय कार्यशाळा संपन्न झाली. यावेळी त्या प्रमुख पाहुणे म्हणून बोलत होत्या. कार्यक्रमाच्या अध्यक्षस्थानी महाविद्यालयाचे प्राचार्य डॉ. जयप्रकाश दरगड होते. व्यासपीठावर रसायनशास्त्र विभाग प्रमुख डॉ. युवराज सारणीकर, समन्वयक डॉ. नंदिनी कोरडे, डॉ. रवींद्र शिंदे यांची प्रमुख उपस्थिती होती.

अध्यक्षीय समारोप करताना प्राचार्य डॉ. जयप्रकाश दरगड म्हणाले की, एनपीटीईएल कोर्सेस हे विद्यार्थी व प्राध्यापकांच्या

ज्ञानार्जनासाठी अत्यंत उपयुक्त आहेत. याशिवाय हे कोर्सेस विद्यार्थ्यांच्या अभ्यासक्रमातीलच विषय आहेत. त्याचा अभ्यास केला तर एनपीटीईएल व विद्यापीठ परीक्षेचाही अभ्यास होतो. तसेच प्राध्यापकांचा कॅस प्रमोशनसाठी हे कोर्स महत्त्वाचे आहेत. आयआयटीचे प्रमाणपत्रही त्यांना मिळते. एनपीटीईएलचा अभ्यासक्रम व यामधील कोर्सेस हे अद्ययावत असल्यामुळे विद्यार्थ्यांना विद्यापीठाच्या अभ्यासक्रमाच्या व्यतिरिक्त अद्ययावत असे ज्ञान प्राप्त होत असते. भविष्यामध्ये स्वयंम अंतर्गत अशा ऑनलाईन कोर्सेसला निश्चितच महत्त्व प्राप्त होणार आहे. जवळपास १००० विविध विषयातील तज्ञ प्राध्यापकांची एनपीटीईएल अंतर्गत विविध कोर्सेसचे अभ्यासक्रम तयार करण्यात आलेले आहेत. एवढेच नाही तर भविष्यामध्ये पुढील १० वर्षांच्या काळामध्ये स्वयंम ऑनलाईन कोर्सेस हे

मुलाखतीसाठी पात्र ठरतील त्यामुळे विद्यार्थी व प्राध्यापकांनी हे कोर्सेस करून या संधीचा लाभ घ्यावा असे ते म्हणाले.

कार्यक्रमाचे प्रारंभिक व प्रमुख पाहुण्यांचा परिचय डॉ. रविंद्र शिंदे यांनी करून दिला तर आभार डॉ. नंदिनी कोरडे यांनी मानले. सूत्रसंचालन रैख्या अंधारे यांनी केले. यावेळी एनपीटीईएल ऑनलाईन सर्टिफिकेट कोर्सेस उद्घोषित झाल्याबद्दल डॉ. राहुल मोरे, प्रा. शरद गंगाधरे, प्रा. एस. एस. बनसोडे यांचा प्रमुख पाहुण्यांच्या हस्ते सत्कार करण्यात आला. प्राप्रस्तांगी ड. आण्णासागर चोणुल, डॉ. जयम अनगुलवार, डॉ. शाम इबाते, डॉ. राहुल मोरे, प्रा. विजयसिंह गायकवाड, डॉ. रामशेठी शेटकर, प्रा. नवनाथ डेकणे, प्रा. शैलजा धुलेकर, प्रा. ए. बी. माने, प्रा. एस. व्ही. काळे, प्रा. बी. डी. कमाले, प्रा. मुंडे, मोहसीन शेख आदी प्राध्यापक, शिक्षकेतर कर्मचारी आणि विद्यार्थी बहुसंख्येने उपस्थित होते.

**Dayanand Science College, Latur**  
**SWAYAM-NPTEL Local Chapter**  
**Events organized during the Academic year 2019-20**

**SWAYAM-NPTEL Local Chapter**

1. Name of the Department : Chemistry
2. Complete name/ title of the Activity : SWAYAM-NPTEL local Chapter
3. Dates or Duration (from-----to) : 2019-20
4. Venue of the Event : <http://nptel.ac.in/>.
5. Sponsor/Collaborations (if any) : Indian Institutes of Technology, Madras
6. Level of the event (encircle) : College  
International / National / State / University / District / College / Department etc.

7. Purpose / aim / objective and outcome of the event:

Objectives:

- The basic objective of science and engineering education in India is to devise and guide reforms that will transform India into a strong and vibrant knowledge economy. In this context, the focus areas for NPTEL project have been i) higher education, ii) professional education, iii) distance education and iv) continuous and open learning, roughly in that order of preference.
- Manpower requirement for trained engineers and technologists is far more than the number of qualified graduates that Indian technical institutions can provide currently. Among these, the number of institutions having fully qualified and trained teachers in all disciplines being taught forms a small fraction. A majority of teachers are young and inexperienced and are undergraduate degree holders. Therefore, it is important for institutions like IITs, IISc, NITs and other leading Universities in India to disseminate teaching/learning content of high quality through all available media. NPTEL would be among the foremost and an important step in this direction and will use technology for dissemination.
- India needs many more teachers for effective implementation of higher education in professional courses. Therefore, methods for training young and inexperienced teachers to enable them carry out their academic responsibilities effectively are a must. NPTEL contents can be used as core curriculum content for training purposes.
- A large number of students who are unable to attend scholarly institutions through NPTEL will have access to quality content from them.

All those who are gainfully employed in industries and all other walks of life and who require continuous training and updating their knowledge can benefit from well-developed and peer-reviewed course contents by the IITs and IISc.

Activities of Department / College during the year -2020-~~20~~

2019



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**Dayanand Science College, Latur**  
**SWAYAM-NPTEL Local Chapter**  
**Events organized during the Academic year 2019-20**

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• **Outcomes**

1. NPTEL web and video courses across 23 disciplines are available on our portal nptel.ac.in.
2. In 2017 process of getting certified from NPTEL courses was initiated, so that learners get a tangible end result in the form of a certificate from the IITs/IISc for their effort.
3. Certification courses are offered twice a year (Jan-Jun, Jul-Dec).
4. Joining a course is free.
5. Anyone can learn from these courses anywhere anytime.
6. No pre-requisites, no age limit, no entrance criteria to enroll.
7. Learning can be done by watching videos and this is tested by the weekly assignments, that are to be submitted online within the prescribed deadline.
8. Any queries/doubts you may have, you can post in the respective discussion forum, which will be answered by the faculty and his/her team.
9. There is an optional proctored certification exam that the learner can take for a nominal fee at the end of the course to earn certificates from the IITs.
10. Enabling students to obtain certificates to make students employable in the industry or pursue a higher education program.
11. Relevant exposure to tools and technologies are being offered.
12. The learner has to be present in person for the exam and currently exams are conducted only in India in about 130+ cities in two shifts. Learner has to appear at the designated exam centre to participate in the exam, where his/her id is verified.
13. The 25% of the final marks comes from the Assignments and 75% from the final exam.
14. To enhance skills and gain essential knowledge required for student's field or brushing up the basic key concepts.
15. To build a strong resume and character ultimately grooming students to get easily absorbed in a cooperate life.

**The main benefits of participating in an online course under NPTEL are:**

1. Students: credit transfer and better resume.
  2. Faculty: Refresher courses, AICTE recognized FDP courses.
  3. Working professionals: For upskilling and reskilling.
  8. Beneficiaries / participants (Type/number, etc.):06
- Type- UG / PG Students

**Number enrolled - 308**

**Dayanand Science College, Latur**  
**SWAYAM-NPTEL Local Chapter**  
**Events organized during the Academic year 2019-20**

9. Other major staff / student / Institution involved in the organization of the activity:

Sr. No.	Name of Member	Designation
1	Dr. R. S. Shinde	Co-ordinator
2	Dr. S. S. Mahurkar	member
3	Prof. S. S. Jaju	Member
4	Prof. M. B. Sugre	Member


10. Any other information / comment / qualitative remarks:

11. Photographs (with captions) submitted (number):

12. Evidence produced (Certificate, letters, newspaper cuttings etc.): **Certificate**

13. Name and Signature of Coordinator: **Dr. R. S. Shinde**

  
Coordinator

  
IQAC-Coordinator  
IQAC - Coordinator  
Dayanand Science College  
Latur, M.S. (INDIA)

  
PRINCIPAL  
Dayanand Science College  
LATUR