Dayanand Science College, Latur
SWAYAM-NPTEL local Chapter

Report of NPTEL2020-21

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 Chapterin Our College

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

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/ack3/1.php

2. Committee:

SWAYAM -NPTEL Portfolio 2020-21

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

NATIONAL PROGRAMME ON TECHNOLOGY ENHANCED LEARNING

A JOINT VENTURE BY INDIAN INSTITUTES OF TECHNOLOGY & INDIAN INSTITUTE OF SCIENCE

NPTEL

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

Prof. Andrew Thangaraj

NPTEL Coordinator

IIT MADRAS

Swayam-NPTEL report 2020-21

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

Sr. No.	Documents
1.	UGC_SwayamGazette_19July2016
2.	UGC-Letter-SWAYAM-MOOCS_10August2018
3.	AICTE_22August2016Gazette
4.	SRTMUN_CircularNo2336_02.02.2018
5.	SRTMUN_Circular_16.11.2018
6.	Enrollment Open for SWAYAM-NPTEL Online Courses (January to April 2020)
7	Circular_No.1310_dated 11.09.2019_Ordinance for SWAYAM-NPTEL-Other MOOC Courses Credit Transfer under CBCS_w.e.f.2019-20
8	Link for SWAYAM
9	https://nptel.ac.in/
10	http://www.srtmun.ac.in/en/swayam-nptel/11259-enrollment-open-for-nptel-online-courses-july-dec-2019.html
11	Link of our Dayanand Science college Swayam-NPTREL local chapter https://nptel.ac.in/LocalChapter/statistics/1476/
12	Link for registering to Online Courses of NPTEL https://onlinecourses.nptel.ac.in/
13	Second Circular regarding NPTEL
14	NPTEL Online Courses January-April 2019
15	https://nptel.ac.in/
16	https://docs.google.com/spreadsheets/d/e/2PACX-1vTDp7Tc1jHmOcE82rml9Fj1wgdERMb8yMMyUMZC6B2I1VOVO8zt-BBbPRhvoTBTuOgN87FCUDasHEZ-/pubhtml?urp=gmail_link
17	http://dsclatur.org/wp-content/uploads/2020/07/EnrollmentOpenforSWAYAMNPTELCoursesJulytoDecember2020-1-1.pdf

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

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	Silver	Successful	Participation	Topper
July-Oct 2019	5	0	4	1	0	5	0
Jan-Apr 2019	4	0	1	1	1	1	0
Jul-Oct 2018	3	0	1	0	0	2	0

SWAYAM-NPTEL Exam Result

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

	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 batchesin our college are given below:

Achievements of the batches	Jan-Apr 2018	Jul-Oct 2018	Jan-Apr 2019	July-Oct 2019	Jan-Apr 2020	July-Dec 2020	Jan-Apr 2021
Total enrolments to the online free course	68	120	155	220	89	96	103
Number of students submitting exam forms	-	04	04	07	01	01	02
Number of students appeared for the exam	-	04	04	05	01	00	02
Number of students who successfully completed the course	-	03	03	05	01	00	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	-	-

Course Wise Enrollments Details of July to December2020 batch

Course Id	Course Name
noc20-hs87	German - I
noc20-ma39	A basic course in number theory
noc20-ge18	Stress Management
noc20-cy18	Analytical chemistry
noc20-ar07	Architectural Acoustics
noc20-ar15	Visual Communication Design for Digital Media
noc20-cs94	C Programming and Assembly Language
noc20-de13	Design, Technology and Innovation
noc20-mg52	Financial Accounting - IITB
noc20-ph24	Semiconductor Optoelectronics
noc20-mm17	Physics Of Materials
noc20-mm18	Structural Analysis of Nanomaterials
noc20-mm25	Fundamentals of electronic device fabrication
noc20-ph14	Solar Energy Engineering and Technology
noc20-ph15	Solid State Physics
noc20-ph16	Experimental Physics I
noc20-ph18	Theoretical Mechanics
noc20-ph19	Nuclear and Particle Physics
noc20-ph21	Solar Photovoltaics Fundamentals, Technology And Applications
noc20-ph22	Waves and Oscillations
noc20-ph23	Numerical Methods And Simulation Techniques For Scientists And Engineers
noc20-ph24	Semiconductor Optoelectronics
noc20-ma26	Calculus Of One Real Variable
noc20-bt36	Plant Developmental Biology
noc20-cs58	Programming in Java
noc20-cs60	Data Base Management System
noc20-cs75	Introduction to Operating Systems
noc20-cs91	Introduction to Programming in C
noc20-ag05	Organic Farming for Sustainable Agricultural Production
noc20-bt31	Experimental Biotechnology
noc20-cy26	Mechanisms in Organic Chemistry
noc20-hs71	Body language: Key to professional Success
noc20-cs80	Python for Data Science
noc20-mm28	Defects in Crystalline Solids (Part-I)
noc20-cs65	Cloud computing

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noc20-bt42	Animal Physiology
noc20-ma39	A basic course in number theory
noc20-cy36	One and two dimensional NMR Spectroscopy for chemists
noc20-me83	Selection Of Nanomaterials For Energy Harvesting And Storage Application
noc20-cs72	Data Science for Engineers
noc20-ee98	Introduction to Embedded System Design
noc20-cs78	Social Networks
noc20-cs92	Big Data Computing

Course Wise Outcome of Jan- Apr 2021 batch

Sr. no	Course-Id	Course Name	Present	Gold	Elite	Success	Participation
1	noc21-cy10	Basics in Inorganic Chemistry	2	0	1	1	1
2.	noc21-cy02	Biochemistry	1	0	0	1	1

Course Wise Enrollments Details of January to April 2021 batch

Sr. No.	Course Id	Course Name
1	noc21-ee55	Basic Electronics
2	noc21-ma20	Basic Calculus 1 and 2
3	noc21-ph04	Quantum Mechanics I
4	noc21-ph09	Statistical Mechanics
5	noc21- ph10	Electronic Theory of Solids
6	noc21-ph15	Advanced Condensed Matter Physics
7	noc21-bt15	Optical Spectroscopy and Microscopy : Fundamentals of optical measurements and instrumentation
8	noc21-cy01	Basic thermodynamics: Classical and Statistical Approaches
9	noc21-cy02	Biochemistry - IITKGP
10	noc21-cy07	Symmetry, Stereochemistry and Applications
11	noc21-cy10	Basics in Inorganic Chemistry
12	noc21-cy11	Transition Metal Organometallics in Catalysis and Biology
13	noc21-cy19	Structure, Stereochemistry and Reactivity of Organic Compounds and Intermediates: A Problem-solving Approach
14	noc21-cy22	Chemistry - II

Dayanand science college, Latur

15	noc21-cy23	Advanced Chemical Thermodynamics and Kinetics
16	noc21-cy26	Industrial Inorganic Chemistry
17	noc21-cy27	Quantitative Methods in Chemistry
18	noc21-ge13	Biophotonics
19	noc21-ma03	Basic Linear Algebra
20	noc21-ma04	Basic Real Analysis
21	noc21-ma05	Linear Algebra
22	noc21-ma06	Introduction to Rings and Fields
23	noc21-ma07	Numerical Methods: Finite difference approach
24	noc21-ma08	Numerical Linear Algebra
25	noc21-ma09	Ordinary and Partial Differential Equations and Applications
26	noc21-ma10	Multivariable Calculus
27	noc21-ma13	Integral and Vector Calculus
28	noc21-ma16	Basic Calculus - 1
29	noc21-ma24	Advanced Probability Theory
30	noc21-ma25	Functional Analysis
31	noc21-ma26	Introduction to Commutative Algebra
32	noc21-ma27	Mathematical Methods in Physics 1
33	noc21-ma29	Computational Mathematics with SageMath
34	noc21-ma31	Introduction to Probability (with examples using R)
35	noc21-ma37	Descriptive Statistics with R Software
36	noc21-ph01	Introduction to LASER
37	noc21-ph03	Group Theory Methods in Physics
38	noc21-ph05	Electromagnetism
39	noc21-ph07	Introduction to Astrophysical Fluids
40	noc21-ph09	Statistical Mechanics
41	noc21-ph11	Experimental Physics II
42	noc21-ph12	Experimental Physics III
43	noc21-ph13	Physics of Biological Systems
44	noc21-ph14	A brief course on Superconductivity
45	noc21-ph17	Optical Sensors
46	noc21-ph18	Physics of linear and nonlinear optical waveguides
47	noc21-de05	Innovation by Design
48	noc21-ge05	Roadmap for patent creation
49	noc21-hs08	Intellectual Property
50	noc21-hs14	Patent Drafting for Beginners
51	noc21-hs15	Patent Law for Engineers and Scientists
52	noc21-mg02	Data Analysis and Decision Making - I

Swayam-NPTEL report 2020-21

53	noc21-mg03	Total Quality Management - I
54	noc21-mg04	Design Thinking - A Primer
55	noc21-mg05	Financial Statement Analysis and Reporting
56	noc21-mg06	Financial Management For Managers
57	noc21-mg07	Business Statistics
58	noc21-mg10	Global Marketing Management
59	noc21-mg11	Marketing Research and Analysis-II
60	noc21-mg12	Supply Chain Analytics
61	noc21-mg13	Production and Operation Management
62	noc21-mg14	Financial Institutions and Markets
63	noc21-mg15	Management of Commercial Banking
64	noc21-mg16	Business Analytics for Management Decision
65	noc21-mg17	Engineering Econometrics
66	noc21-mg18	Services Marketing: A Practical Approach
67	noc21-mg19	Sales and Distribution Management
68	noc21-mg21	Principles of Human Resource Management
69	noc21-mg22	Managing change in organization
70	noc21-mg23	Management of Inventory Systems
71	noc21-mg24	Quality Design and Control
72	noc21-mg26	Foundation Course in Managerial Economics
73	noc21-mg27	Technology Forecasting for strategic decision making - An Introduction
74	noc21-mg28	Marketing Management - II
75	noc21-mg29	Management of Field Sales
76	noc21-mg30	Principles of Management
77	noc21-mg32	Integrated Marketing Management
78	noc21-mg33	Organization Theory/Structure and Design
79	noc21-mg34	Talent Acquisition and Management
80	noc21-mg35	Leadership for India Inc: Practical concepts and Constructs
81	noc21-mg36	Managerial Skills for Interpersonal Dynamics
82	noc21-mg38	Simulation of Business Systems: An Applied Approach
83	noc21-mg40	Behavioral and Personal Finance
84	noc21-mg42	Microeconomics: Theory & Applications
85	noc21-mg44	Marketing Analytics
86	noc21-mg45	Modelling and Analytics for Supply Chain Management
87	noc21-mg46	Business Ethics
88	noc21-mg47	Quality Control and Improvement with MINITAB
89	noc21-ae01	Rocket Propulsion
90	noc21-cs42	An Introduction to Artificial Intelligence

Dayanand science college, Latur

91	noc21-bt05	Bioengineering: An Interface with Biology and Medicine
92	noc21-bt06	BioInformatics: Algorithms and Applications
93	noc21-cy15	Cell Biology: Cellular organization, division and processes
94	noc21-hs19	Introduction to Brain & Behaviour

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

This certificate is awarded to

MADLIYAR SHASHI SUBRAMANNM

for successfully completing the course

Biochemistry

with a consolidated score of **58** %

Online Assignments	20.63/25	Proctored Exam	37.5/75

Total number of candidates certified in this course: **261**

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Jan-Apr 2021
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No:NPTEL21CY02S23910096

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

Dayanand Science College, Latur

Dayanand Science College, Latur
SWAYAM-NPTEL Local Chapter
Events organized during the Academic year 2020-21

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) : 2020-21
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 -2020-21

14

Dayanand Science College, Latur

Dayanand Science College, Latur
SWAYAM-NPTEL Local Chapter
Events organized during the Academic year 2020-21

- **Outcomes**

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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.):

➢ Type- UG / PG Students

   Number- 137

Activities of Department / College during the year -2020-21

16

Dayanand Science College, Latur

Dayanand Science College, Latur
SWAYAM-NPTEL Local Chapter
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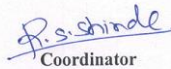9. Other major staff / student / Institution involved in the organization of the activity:

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   Principal

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

PRINCIPAL
Dayanand Science College
LATUR

Activities of Department / College during the year -2020-21

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SWAYAM-NPTEL local Chapter

Report of NPTEL July – September 2021

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A JOINT VENTURE BY INDIAN INSTITUTES OF TECHNOLOGY & INDIAN INSTITUTE OF SCIENCE

NPTEL

2017-12-26

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

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

Name of SPOC: PROF. RAVINDRA S. SHINDE
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E-mail id: rshinde.33381@gmail.com

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5.	SRTMUN_Circular_16.11.2018
6.	Enrollment Open for SWAYAM-NPTEL Online Courses (January to April 2020)
7	Circular_No.1310_dated 11.09.2019_Ordinance for SWAYAM-NPTEL-Other MOOC Courses Credit Transfer under CBCS_w.e.f.2019-20
8	Link for SWAYAM
9	https://nptel.ac.in/
10	http://www.srtmun.ac.in/en/swayam-nptel/11259-enrollment-open-for-nptel-online-courses-july-dec-2019.html
11	Link of our Dayanand Science college Swayam-NPTREL local chapter https://nptel.ac.in/LocalChapter/statistics/1476/
12	Link for registering to Online Courses of NPTEL https://onlinecourses.nptel.ac.in/
13	Second Circular regarding NPTEL
14	NPTEL Online Courses January-April 2019
15	https://nptel.ac.in/
16	https://docs.google.com/spreadsheets/d/e/2PACX-1vTDp7Tc1jHmOcE82rml9Fj1wgdERMb8yMMyUMZC6B2I1VOVO8zt-BBbPRhvoTBTuOgN87FCUDasHEZ-/pubhtml?urp=gmail_link
17	http://dsclatur.org/wp-content/uploads/2020/07/EnrollmentOpenforSWAYAMNPTELCoursesJulytoDecember2020-1-1.pdf

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.

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.

SWAYAM-NPTEL Exam Result

Certification of students in various categories July-Oct 2019

Course Run	Present	Gold	Elite	Silver	Successful	Participation	Topper
July-Oct 2019	5	0	4	1	0	5	0
Jan-Apr 2019	4	0	1	1	1	1	0
Jul-Oct 2018	3	0	1	0	0	2	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/ NPTEL Awareness program at IIT, Bombay	12 January 2018	Dr. S. S. Mahurkar
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 batches	Jan-Apr 2018	Jul-Oct 2018	Jan-Apr 2019	July-Oct 2019	Jan-Apr 2020	July-Dec 2020	Jan-Apr 2021

Dayanand science college, Latur

Total enrolments to the online free course	68	120	155	220	89	96	103
Number of students submitting exam forms	-	04	04	07	01	01	02
Number of students appeared for the exam	-	04	04	05	01	00	02
Number of students who successfully completed the course	-	03	03	05	01	00	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	-	-

Course Wise Outcome of Jan- Apr 2021 batch

Sr. no	Course-Id	Course Name	Present	Gold	Elite	Success	Participation
1	noc21-cy10	Basics in Inorganic Chemistry	2	0	1	1	1

Course Wise Enrollments Details of July to December 2021 batch

Sr. No.	Course Id	CourseName
1	noc21-bt28	Bioreactors

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2	noc21-bt39	Functional Genomics
3	noc21-bt26	Introduction to proteomics
4	noc21-ch38	Chemical Process Control
5	noc21-mg74	Decision-Making Under Uncertainty
6	noc21-bt46	Animal Physiology
7	noc21-cs67	Programming, Data Structures And Algorithms Using Python
8	noc21-ph21	Solid State Physics
9	noc21-ph26	Nuclear and Particle Physics
10	noc21-cs55	Programming in C++
11	noc21-cs81	C Programming and Assembly Language
12	noc21-cs97	Computer Graphics
13	noc21-ma57	Advanced Engineering Mathematics
14	noc21-bt23	Industrial Biotechnology
15	noc21-bt30	Biomedical nanotechnology
16	noc21-cy32	Introductory Organic Chemistry I
17	noc21-cy30	Organic Chemistry in Biology and Drug Development
18	noc21-cy43	Spectroscopic Techniques for Pharmaceutical and Biopharmaceutical Industries
19	noc21-mg51	Marketing Management - I
20	noc21-mg52	Managing Services
21	noc21-mg70	Entrepreneurship
22	noc21-mg97	Introduction to Marketing Essentials
23	noc21-cs74	Social Networks
24	noc21-bt36	Experimental Biotechnology
25	noc21-bt37	Drug Delivery: Principles and Engineering
26	noc21-bt50	Introduction to Biomedical Imaging Systems
27	noc21-ge15	Introduction to Research
28	noc21-ee83	Electromagnetic Theory
29	noc21-hs90	Introduction To Japanese Language And Culture
30	noc21-ph19	Experimental Physics I
31	noc21-ph24	Waves and Oscillations
32	noc21-ph26	Nuclear and Particle Physics
33	noc21-ph29	Introduction to Classical Mechanics
34	noc21-ph32	Classical mechanics: from newtonian to lagrangian formulation
35	noc21-ma71	Algebra - I
36	noc21-cs67	Programming, Data Structures And Algorithms Using Python
37	noc21-cs58	Data Base Management System
38	noc21-cs104	Probability for Computer Science

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39	noc21-cs86	Big Data Computing
40	noc21-cs95	Advanced computer architecture
41	noc21-bt41	Environmental Biotechnology
42	noc21-cs63	Introduction to Internet of Things
43	noc21-hs99	Poetry
44	noc21-lw02	Constitution of India and Environmental Governance: Administrative and Adjudicatory Process
45	noc21-ph33	Physics of Renewable Energy Systems
46	noc21-ag02	Dairy and Food process and products technology
47	noc21-cs62	Cloud computing
48	noc21-bt48	Fundamentals of Protein Chemistry
49	noc21-cs56	Programming in Java
50	noc21-cs79	Artificial Intelligence : Search Methods for Problem Solving

Dayanand Science College, Latur
SWAYAM-NPTEL Local Chapter
Events organized during the Academic year 2020-21

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)   : July-Sept 2021
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 -2020-21

Dayanand Science College, Latur
SWAYAM-NPTEL Local Chapter
Events organized during the Academic year 2020-21

- **Outcomes**

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8. Beneficiaries / participants (Type/number, etc.):
   ➢ Type- UG / PG Students

   Number- 50

Dayanand Science College, Latur
SWAYAM-NPTEL Local Chapter
Events organized during the Academic year 2020-21

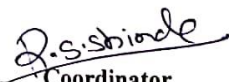9. Other major staff / student / Institution involved in the organization of the activity:

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.): .

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

Coordinator

Dr. R. S. Shinde

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

Principal
PRINCIPAL
Dayanand Science College
LATUR