Dayanand Science College, Latur.
Department of Chemistry
Events organized during the Academic year 2022-23

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SWAYAM-NPTEL local Chapter

Report of NPTEL July-Dec 2022/Jan-April-23
Establishing SWAYAM NPTEL Local Chapter in Our College

- **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:

Local Chapter Outcome: The achievements of the batches during July-Dec 2022 in our college are given below:

Achievements of the batches	July-Dec 2022	Courses	Jan-April 2023	Courses
Total students enrolments to the online free course	64	40	54	42

Achievements of the batches	July-Dec 2022	Jan-April 2023
Total enrolments to the online free course	64	54
Number of students submitting exam forms	02	01
Number of students appeared for the exam	02	01
Number of students who successfully completed the course	00	00

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SWAYAM -NPTEL Portfolio 2022-23

Sr. No.	Name of Member	Designation
1	Dr. R. S. Shinde	Co-ordinator
2	Dr. R. B. Shinde	Member
3	Dr. M. A. Karale	Member
4	Prof. M. B. Sugre	Member
5	Miss B. S. Kale	Member

Course Wise Enrollments Details of July –Dec 2022 batch

Sr. no.	Course Id	Course Name
1	noc22-cy37	Metal Mediated Synthesis-I
2	noc22-cs68	C Programming and Assembly Language
3	noc22-cy46	Introductory Organic Chemistry II
4	noc22-bt33	Introduction to Cell Biology
5	noc22-ee127	Advance power Electronics and Control
6	noc22-ce85	Fluid Mechanics
7	noc22-hs77	Developing Soft Skills and Personality
8	noc22-mm37	Techniques of Materials Characterization
9	noc22-mm39	X-ray Crystallography & Diffraction
10	noc22-ph27	Waves and Oscillations
11	noc22-cs74	Python for Data Science
12	noc22-cy48	Chemical Crystallography

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13	noc22-ce78	Advanced Geomatics Engineering
14	noc22-ma54	Introduction to Abstract Group Theory
15	noc22-ma79	Introductory Course in Real Analysis
16	noc22-bt63	Animal Physiology
17	noc22-cy63	Stereochemistry
18	noc22-bt48	Principles Of Downstream Techniques In Bioprocess
19	noc22-ph35	Experimental Physics - I
20	noc22-ma54	Introduction to Abstract Group Theory
21	noc21-md05	Basic course in Biomedical Research Cycle
22	noc22-mm39	X-ray Crystallography & Diffraction
23	noc22-cs70	Programming, Data Structures And Algorithms Using Python
24	noc22-cs85	Discrete Mathematics - IIITB
25	noc21-md04	Basic course in Biomedical Research Cycle 4A
26	noc22-bt37	Computer Aided Drug Design
27	noc22-bt46	Biomedical nanotechnology
28	noc22-bt49	Bioreactors
29	noc22-bt60	Experimental Biotechnology
30	noc22-cs102	Programming In Java
31	noc22-cs103	Programming in Modern C++
32	noc22-ch64	Mechanical Operations
33	noc22-hs78	Body language: Key to professional Success
34	noc22-cy42	Mechanisms in Organic Chemistry

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35	noc22-ph28	Introduction to Classical Mechanics
36	noc22-ph36	Mathematical methods in Physics -I
37	noc22-mg97	Industrial Safety Engineering
38	noc22-cs71	Design and analysis of algorithms
39	noc22-cs78	Introduction to Operating Systems
40	noc22-cs61	Software Testing

Course Wise Enrollments Details of Jan-April 2023 batch

Sr. No.	Course Id	Course Name
1	noc23-cy02	Basics in Inorganic Chemistry
2	noc23-cy22	Organic Chemistry I (Tamil)
3	noc23-cs49	Programming In Java
4	noc23-cs29	Introduction to Database Systems
5	noc23-cs47	Blockchain and its Applications
6	noc23-cs21	Python for Data Science
7	noc22-md01	Basic course in Biomedical Research
8	noc23-cy15	Bioinorganic Chemistry
9	noc23-cs41	Data Base Management System
10	noc23-cy05	Advanced Transition Metal Organometallic Chemistry
11	noc23-ph07	Advanced Condensed Matter Physics
12	noc23-ph16	Atomic and Molecular Physics
13	noc23-cy14	Chemistry Of Main Group Elements
14	noc23-bt03	RNA Biology
15	noc23-bt12	BioInformatics: Algorithms and Applications
16	noc23-bt19	Bioengineering: An Interface with Biology and Medicine
17	noc23-bt26	Data Analysis for Biologists
18	noc23-ch33	Biomass Conversion and Biorefinery
19	noc23-hs19	Effective Writing
20	noc23-cs50	Programming in Modern C++
21	noc23-cy10	Medicinal Chemistry
22	noc23-cy11	Pericyclic Reactions and Organic Photochemistry
23	noc23-cy19	Elementary Electrochemistry
24	noc23-cy30	Biochemistry

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25	noc23-cy01	Organometallic Chemistry
26	noc23-cy09	Fundamentals of Spectroscopy
27	noc23-cy16	Introductory Organic Chemistry I
28	noc23-cy26	Co-Ordination Chemistry (Chemistry Of Transition Elements)
29	noc23-cy28	A Study Guide in Organic Retrosynthesis: Problem Solving Approach
30	noc23-cy09	Fundamentals of Spectroscopy
31	noc23-cs18	Introduction to Machine Learning
32	noc23-cs15	Programming, Data Structures And Algorithms Using Python
33	noc23-ae01	Aircraft Design
34	noc23-cy08	Chemistry - II
35	noc23-hs27	German - I
36	noc23-ce10	Applied Environmental Microbiology
37	noc23-ce11	Environmental Remediation of Contaminated Sites
38	noc23-ch17	Biological process design for wastewater treatment
39	noc23-ge12	Rural Water Resources Management
40	noc23-ge13	Groundwater hydrology and management
41	noc23-cs08	Data Analytics with Python
42	noc23-cs17	Data Science for Engineers

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Action Taken Report of Swayam-NPTEL Local Chapter 2022-23

(Conference/Workshop/Symposium/Seminar/Guest Lecture/Special Day Celebration/open day/Exhibition/welcome function/ farewell function/Sport activates /NSS activates/ NCC activates/ Portfolio activates etc.)
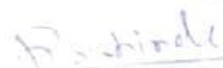
1. Name of the Department : Chemistry
2. Complete name/ title of the Activity : Online Swayam NPTEL course

3. Dates or Duration (from------to) : July-Dec 2022/Jan-April 2023
4. Venue of the Event : https://nptel.ac.in Dayanand Science College, Latur
5. Sponsor/Collaborations (if any) : NPTEL IIT Madras, India, Maharashtra

6. Level of the event (encircle) : National International / **National** / State / University / District / College / Department etc.

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

Objectives:

- The students are developed, become skilled to do different online courses.
- To enhance skills and gain essential knowledge required for student's field or brushing up the basic key concepts.
- To build a strong resume and character ultimately grooming students to get easily absorbed in a corporate life.

Outcomes:

- Students: credit transfer and better resume.
- Faculty: Refresher courses, AICTE recognized FDP courses/**Workshop**.
- Working professionals: For upskilling and reskilling.

8. Beneficiaries / participants (Type/number, etc.):

    Total of enrolled students July-Dec 2022 : **64** Pass: **00**

    Total of enrolled students Jan-April 2023 : **54** Pass: **00**

    Total of enrolled Faculty in workshop 2022- 2023 : **02**

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

- Principal, Vice-Principal, All Head of Department, Coordinator

10. Any other information / comment / qualitative remarks: NA..

11. Photograph / certificate submitted: **02-**

12. Evidences produced (**Certificate**/news paper cutting /letter): **yes**

13. Name and signature of coordinator- Dr. R. S. Shinde

Coordinator   IQAC coordinator   Principal

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NPTEL+ Workshop Certificate

This certificate is awarded to

SUJATA KALE

for participating in the online workshop

Applications of machine learning techniques in biology using WEKA

by Prof. M Michael Gromiha, IIT Madras

Date : September 3 & 4, 2022

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Verify

NPTEL+ Workshop Certificate

This certificate is awarded to

MANGESH SUGARE

for participating in the online workshop

Applications of machine learning techniques in biology using WEKA

by Prof. M Michael Gromiha, IIT Madras

Date : September 3 & 4, 2022

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Verify