



# Dayanand Science College, Latur.

## Department Of Zoology & Fishery Science.

### Events organized during the Academic year-2023-24

#### SWAYAM-NPTEL local Chapter

#### Report of NPTEL July-Dec 2023/Jan-April-24

#### 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 2023 and Jan-April 2024 in our college are given below:

Achievements of the batches	July-Dec 2023	Courses	Jan-April 2024	Courses
Total students enrolments to the online free course	144	90	53	32

Achievements of the batches	July-Dec 2023	Jan-April 2024
Total enrolments to the online free course	144	54
Number of students submitting exam forms	00	08
Number of students appeared for the exam	00	02
Number of students who successfully completed the course	00	02



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**SWAYAM -NPTEL Portfolio 2023-24**

Sr. No.	Name of Member	Designation
1	Dr. A. S. Thosar	Coordinator
2	Dr. R. B. Shinde	Member
3	Dr. T. H. Mujawar	Member
4	Dr. M. A. Karale	Member
5	Miss. A. J. Shaikh	Member

**Course Wise Enrollments Details of July –Dec 2023 batch**

Sr. no.	Course Id	Course Name
1	noc23-mg119	Advanced Algorithmic Trading And Portfolio Management
2	noc23-ag11	Advanced Aquaculture Technology
3	noc23-mg118	Advanced Business Decision Support Systems
4	noc23-ma86	Advanced Calculus For Engineers
5	noc23-cs68	Advanced Distributed Systems
6	noc23-ma79	Advanced Partial Differential Equations & (Part I: Distributions and Sobolev Spaces)
7	noc23-ph29	Advanced Quantum Mechanics With Applications
8	noc23-ae18	Aerodynamic Design Of Axial Flow Compressors & Fans
9	noc23-ma53	Algebra - I
10	noc23-cy59	Analytical Chemistry
11	noc23-bt67	Animal Physiology
12	noc23-me135	Applied Numerical Methods
13	noc23-ph41	Applied Optics
14	noc23-cs92	Artificial Intelligence : Search Methods For Problem Solving
15	noc23-mg89	Automation In Production Systems And Management
16	noc22-md01	Basic course in Biomedical Research
17	noc23-ee81	Basic Electrical Circuits
18	noc23-cs112	Big Data Computing
19	noc23-lw06	Biodiversity Protection , Farmers And Breeders Rights
20	noc23-me117	Biomechanics Of Joints And Orthopaedic Implants
21	noc23-bt70	Biomedical Nanotechnology
22	noc23-bt45	Bioreactors
23	noc23-ce81	Bridge Engineering
24	noc23-mg126	Business Fundamentals For Entrepreneurs (Part 1: Internal Operation)
25	noc23-cs93	C Programming And Assembly Language
26	noc23-cy37	Chemical Crystallography



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27	noc23-cs89	Cloud Computing
28	noc23-mg86	Commodity Derivatives & Risk Management
29	noc23-bt64	Computational Neuroscience
30	noc23-bt41	Computer Aided Drug Design
31	noc23-ge38	Current Regulatory Requirements For Conducting Clinical Trials In India For Investigational New Drugs/New Drug (Version 3.0)
32	noc23-cs127	Cyber Security and Privacy
33	noc23-cs85	Data Structure And Algorithms Using Java
34	noc23-hs116	Developing Soft Skills And Personality
35	noc23-ma61	Differential Equations For Engineers
36	noc23-ee115	Digital Circuits
37	noc23-cs120	Discrete Mathematics - IIITB
38	noc23-hs130	Ecology And Society
39	noc23-ee97	Electromagnetic Theory
40	noc23-ma88	Engineering Mathematics - I
41	noc23-mg74	Entrepreneurship
42	noc23-ce92	Environmental Chemistry
43	noc23-cs75	Ethical Hacking
44	noc23-bt56	Experimental Biotechnology
45	noc23-ph37	Experimental Physics I
46	noc23-bt53	Functional Genomics
47	noc23-bt38	Fundamentals Of Micro And Nanofabrication
48	noc23-bt35	Genetic Engineering: Theory And Application
49	noc23-bt61	Industrial Biotechnology
50	noc23-ph24	Introduction To Classical Mechanics
51	noc23-cs118	Introduction To Computer And Network Performance Analysis Using Queuing Systems
52	noc23-bt59	Introduction To Proteomics
53	noc23-ma85	Introductory Course In Real Analysis
54	noc23-cy36	Introductory Organic Chemistry II
55	noc23-ma54	Laplace Transform
56	noc23-ma80	Linear Algebra
57	noc23-ma89	Mathematical Methods And Its Applications
58	noc23-ma56	Mathematical Methods In Physics 2
59	noc23-ma91	Matrix Analysis With Applications
60	noc23-cy54	Mechanisms In Organic Chemistry
61	noc23-cy50	Metal Mediated Synthesis-I
62	noc23-mm37	Nanotechnology, Science And Applications
63	noc23-mm42	Nature And Properties Of Materials-An Introductory Course



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64	noc23-ph39	Newtonian Mechanics With Examples
65	noc23-bt34	Next Generation Sequencing Technologies : Data Analysis And Applications
66	noc23-ph28	Nuclear And Particle Physics
67	noc23-ma94	Numerical Methods
68	noc23-ph27	Numerical Methods And Simulation Techniques For Scientists And Engineers
69	noc23-ph35	Physics Of Renewable Energy Systems
70	noc23-bt44	Principles Of Downstream Techniques In Bioprocess
71	noc23-cs121	Problem Solving Through Programming In C
72	noc23-cs78	Programming In Modern C++
73	noc23-cs99	Python For Data Science
74	noc23-cy48	Reagents In Organic Synthesis
75	noc23-ge36	Research Methodology
76	noc23-me127	Selection Of Nanomaterials For Energy Harvesting And Storage Application
77	noc23-ee95	Sensor Technologies: Physics, Fabrication, And Circuits
78	noc23-hs80	Soft Skill Development
79	noc23-cs66	Software Conceptual Design
80	noc23-cs81	Software Testing (IITKGP)
81	noc23-ph38	Solid State Physics
82	noc23-cy57	Stereochemistry
83	noc23-me128	Structural Analysis Of Nanomaterials
84	noc23-cy41	Symmetry And Group Theory
85	noc23-mm26	Techniques of Materials Characterization
86	noc23-cs108	The Joy Of Computing Using Python
87	noc23-mg105	Toyota Production System
88	noc23-cy52	Transition Metal Organometallic Chemistry: Principles To Applications
89	noc23-mm39	X-Ray Crystallography & Diffraction
90	noc23-mg125	Yoga And Positive Psychology For Managing Career And Life



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**Course Wise Enrollments Details of Jan-April 2024 batch**

Sr. no.	Course Id	Course Name
1	noc24-bt17	Bioreactor Design and Analysis
2	noc22-md01	Basic course in Biomedical Research
3	noc24-cy07	Chemistry Of Main Group Elements
4	noc24-ag08	Basics of Crop Breeding and Plant Biotechnology
5	noc24-bt11	Data Analysis For Biologists
6	noc24-bt12	Biochemistry - IITM
7	noc24-bt14	Bioengineering: An Interface with Biology and Medicine
8	noc24-bt15	BioInformatics: Algorithms and Applications
9	noc24-ce04	Applied Environmental Microbiology
10	noc24-ch07	Biomass Conversion And Biorefinery
11	noc24-cy06	Biochemistry
12	noc24-cs21	Data Base Management System
13	noc24-cy23	Pericyclic Reactions and Organic Photochemistry
14	noc24-cs14	Artificial Intelligence: Knowledge Representation And Reasoning
15	noc24-cs43	Programming In Java
16	noc24-cy05	Basics in Inorganic Chemistry
17	noc24-hs26	Enhancing Soft Skills and Personality
18	noc24-ph02	A Brief Course On Superconductivity
19	noc24-cy17	Medicinal Chemistry
20	noc24-cy15	Industrial Inorganic Chemistry
21	noc24-ch35	Characterization of Polymers, Elastomers and Composites
22	noc24-ph20	Plasma Physics and Applications
23	noc24-bt18	Cell Biology: Cellular organization, division and processes
24	noc24-hs35	Human Behaviour
25	noc24-cy08	Co-Ordination Chemistry (Chemistry Of Transition Elements)
26	noc24-cy22	Organometallic Chemistry
27	noc24-cy25	Symmetry, Stereochemistry and Applications
28	noc24-hs15	Soft Skill Development
29	noc24-cy04	Basic thermodynamics: Classical and Statistical Approaches
30	noc24-ma18	Essentials Of Data Science With R Software - 1: Probability And Statistical Inference
31	noc24-ma19	Essentials Of Data Science With R Software - 2: Sampling Theory And Linear Regression Analysis
32	noc24-ma31	Linear Algebra



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**Action Taken Report of Swayam-NPTEL Local Chapet-2023-24**

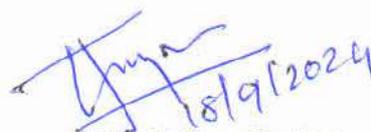
**(Portfolio activates- NPTEL -online courses)**

1. **Name of the Department** : Department of Zoology and Fishery Science
2. **Complete name/ title of the Activity** : Online Swayam NPTEL course
3. **Date or Duration (From...to)** : July-Dec 2023/Jan-April 2024
4. **Venue of the Event** : <https://nptel.ac.in> Dayanand Science College, Latur
5. **Sponsor/Collaborations (if any)** : Ministry of Education, Swayam NPTEL -AICTE
6. **Level of the event** : National
7. **Purpose / aim / objective and outcome of the event:**
  - **Objective-**
    - 1) The students are developed, become skilled to do different online courses.
    - 2) To enhanced skills and gain essential knowledge required for students field or brushing up the basic key concepts
    - 3) To build a strong resume and character ultinaty grooming students to get easily absorbed in a corporate life.

**Outcomes:-**

- 1) Students credit transfer and better resume..
8. **Beneficiaries / participants (Type/number, etc.):**
  - Total of enrolled students/faculty July-Dec 2023: 144 Pass: 00
  - Total of enrolled students/faculty Jan-April 2024: 54 Pass: 02
9. **Other major staff / Institution involved in the organization of the activity:**
  - Principal, Vice-Principal, All Head of Department, Coordinator
10. **Any other information / comment / qualitative remarks:** No.
11. **Photographs/certificate submitted :-** 04
12. **Evidence produced (Certificate, letters, newspaper cuttings etc.)-** Certificates
13. **Name and Signature of Coordinator:** Dr. A. S. Thosar

  
Coordinator

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

  
I/C Principal  
Dayanand Science College  
Latur



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**NPTEL-AICTE**  
**Faculty Development Programme**

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SHAZIA FARHEEN**

for successfully completing the course

**Programming in Java**

with a consolidated score of **66 %**

Prof. Andrew Thangaraj  
 NPTEL Coordinator  
 IIT Madras



(Jan-Apr 2024)

Roll No: NPTEL24CS43S1060600098

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.  
 This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 16<sup>th</sup> Nov, 2023, similar to other refresher / orientation courses.  
 F.No. AICTE / RIFD / FDP through MOOCs / 2023



**Elite**

**NPTEL Online Certification**

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SHAZIA FARHEEN**

for successfully completing the course

**Programming in Java**

with a consolidated score of **66 %**

Online Assignments	21.85/25	Proctored Exam	44.39/75
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Total number of candidates certified in this course: **14693**

Jan-Apr 2024

(12 week course)

Prof. Haimanti Banerji  
 Coordinator, NPTEL  
 IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS43S1060600098

To verify the certificate



No. of credits recommended: 3 or 4



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## NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SHAZIA FARHEEN**

for successfully completing the course

**The Joy of Computing using Python**

with a consolidated score of **64 %**

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



(Jan-Apr 2024)

Roll No: NPTEL24CS57S660600041

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 16<sup>th</sup> Nov, 2023, similar to other refresher / orientation courses. F.No. AICTE / RIFD / FDP through MOOCs / 2023



## Elite NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SHAZIA FARHEEN**

for successfully completing the course

**The Joy of Computing using Python**

with a consolidated score of **64 %**

Online Assignments	24.03/25	Proctored Exam	40/75
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Total number of candidates certified in this course: **12432**

Prof. Devendra Jalihal  
Chairperson,  
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

Prof. Andrew Thangaraj  
NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS57S660600041

To verify the certificate



No. of credits recommended: 3 or 4