



ST. ALOYSIUS' COLLEGE

AUTONOMOUS
JABALPUR- 482001
MADHYA PRADESH, INDIA

CRITERION-4

INFRASTRUCTURE AND LEARNING RESOURCES

Key Indicator

4.2 Library as a Learning Resource



Metric No.: 4.2.1

Digital Library Facilities and Utility

Document Name

Swayam



2021-02-24

To
The Principal
ST. ALOYSIUS COLLEGE, JABALPUR
1, AHILYA BAI MARG, PENTINAKA CHOWK, SADAR, JABALPUR, MADHYA PRADESH

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: NITIN SWAMY
Designation: ASSISTANT PROFESSOR
Department: BIOTECHNOLOGY
Contact No(s): 8319140657
E-mail id: swayam.sac@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://archive.nptel.ac.in/LocalChapter>)

Thanking you.

Sincerely

A handwritten signature in black ink, appearing to read 'Satyaki Roy', written in a cursive style.

Prof. Satyaki Roy
NPTEL Coordinator
IIT KANPUR

1.3.2 Number of certificate/ value added courses/ Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms where the students of the								
Name of the course/programme	Course/programme	Mode of the Course-	Year of	Contact hours	Number of	Number of	Link to the relevant document	
JUL-DEC 2021								
Basic course in Biomedical Research Cycle 4A	noc21-md04	SWAYAM-NPTEL	Jul-Dec 2021	32	1	0	<u>Enrollment Data</u>	
Biomedical nanotechnology	noc21-bt30	SWAYAM-NPTEL	Jul-Dec 2021	32	1	0		
Brief Introduction to Psychology	noc21-hs87	SWAYAM-NPTEL	Jul-Dec 2021	32	1	0		
Business and Sustainable Development	noc21-mg94	SWAYAM-NPTEL	Jul-Dec 2021	32	1	0		
Computer Aided Drug Design	noc21-bt29	SWAYAM-NPTEL	Jul-Dec 2021	32	1	0		
Data Science for Engineers	noc21-cs69	SWAYAM-NPTEL	Jul-Dec 2021	32	2	0		
Design and analysis of algorithms	noc21-cs68	SWAYAM-NPTEL	Jul-Dec 2021	32	1	0		
Developing Soft Skills and Personality	noc21-hs57	SWAYAM-NPTEL	Jul-Dec 2021	32	1	0		
Energy Economics And Policy	noc21-hs77	SWAYAM-NPTEL	Jul-Dec 2021	32	1	0		
Entrepreneurship	noc21-mg70	SWAYAM-NPTEL	Jul-Dec 2021	32	1	0		
Great Experiments in Psychology	noc21-hs59	SWAYAM-NPTEL	Jul-Dec 2021	32	1	0		
History of English Language and Literature	noc21-hs68	SWAYAM-NPTEL	Jul-Dec 2021	32	1	0		
Introduction to Internet of Things	noc21-cs63	SWAYAM-NPTEL	Jul-Dec 2021	32	1	0		
Introduction to Machine Learning	noc21-cs70	SWAYAM-NPTEL	Jul-Dec 2021	32	1	0		
Programming, Data Structures And Algorithms Using Python	noc21-cs67	SWAYAM-NPTEL	Jul-Dec 2021	32	1	0		
Spoken Sanskrit: Basic and Intermediate Levels	noc21-hs107	SWAYAM-NPTEL	Jul-Dec 2021	32	1	0		
JAN-JUN 22								
Air pollution and Control	noc22-ce22	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		<u>Enrollment Data</u>
An Introduction to Artificial Intelligence	noc22-cs56	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
An Introduction to Microeconomics	noc22-hs42	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
An Introduction to Programming Through C++	noc22-cs42	SWAYAM-NPTEL	Jan-Jun 2022	32	2	0		
Applied Environmental Microbiology	noc22-ce15	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Artificial Intelligence: Knowledge Representation And Reason	noc22-cs02	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Aspects Of Biochemical Engineering	noc22-bt09	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Basic course in Biomedical Research Cycle 4A	noc21-md04	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Basic Real Analysis	noc22-ma05	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Basics of Biology	noc22-bt17	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Biochemistry	noc22-cy06	SWAYAM-NPTEL	Jan-Jun 2022	32	2	0		
Bioengineering: An Interface with Biology and Medicine	noc22-bt10	SWAYAM-NPTEL	Jan-Jun 2022	32	2	0		
Bioinformatics: Algorithms and Applications	noc22-bt12	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Biomass Conversion and Biorefinery	noc22-ch28	SWAYAM-NPTEL	Jan-Jun 2022	32	2	0		
Biophotonics	noc22-ee59	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Blockchain and its Applications	noc22-cs44	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Cell Biology: Cellular organization, division and processes	noc22-bt18	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Computer Networks and Internet Protocol	noc22-cs19	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Data Analytics with Python	noc22-cs08	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Data Base Management System	noc22-cs51	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Data Science for Engineers	noc22-cs28	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Design Practice	noc22-me29	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Design Thinking - A Primer	noc22-mg32	SWAYAM-NPTEL	Jan-Jun 2022	32	3	0		
Economic Growth and Development	noc22-hs16	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Effective Writing	noc22-hs05	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Electronic Theory of Solids	noc22-ph03	SWAYAM-NPTEL	Jan-Jun 2022	32	4	0		
Entrepreneurship Essentials	noc22-ge03	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Environmental Impact Assessment	noc22-ar07	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Environmental Quality Monitoring & Analysis	noc22-ch33	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Ethical Hacking	noc22-cs13	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Experimental Physics - II	noc22-ph05	SWAYAM-NPTEL	Jan-Jun 2022	32	2	0		
Experimental Physics III	noc22-ph04	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
German - I	noc22-hs30	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Human Molecular Genetics	noc22-bt07	SWAYAM-NPTEL	Jan-Jun 2022	32	6	0		
Innovation by Design	noc22-de04	SWAYAM-NPTEL	Jan-Jun 2022	32	2	0		
Introduction to Machine Learning	noc22-cs29	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Introduction to Operations Research	noc22-mg30	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Introduction to probability and Statistics	noc22-mg31	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Metabolic Engineering	noc22-bt29	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Operations Management	noc22-me55	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Programming In Java	noc22-cs47	SWAYAM-NPTEL	Jan-Jun 2022	32	2	0		
Psychology of Stress, Health and Well-being	noc22-hs46	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Quantum Mechanics I	noc22-ph06	SWAYAM-NPTEL	Jan-Jun 2022	32	4	0		
Rocket Propulsion	noc22-ae03	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Social Networks	noc22-cs30	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
Solar Photovoltaics: Principles, Technologies & Materials	noc22-mm08	SWAYAM-NPTEL	Jan-Jun 2022	32	1	1		
Statistical Mechanics	noc22-ph22	SWAYAM-NPTEL	Jan-Jun 2022	32	5	0		
Supply Chain Analytics	noc22-mg14	SWAYAM-NPTEL	Jan-Jun 2022	32	1	0		
JUL-DEC 2022								
Accreditation and Outcome Based Learning	noc22-ge27	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0	<u>Enrollment Data</u>	
Advanced Contracts, Tendering and Public Procurement	noc22-lw06	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Advanced Materials and Processes	noc22-mm40	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Advanced Quantum Mechanics with Applications	noc22-ph40	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Analog Electronic Circuits	noc22-ee74	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Animal Physiology	noc22-bt63	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Applied Accelerated Artificial Intelligence	noc22-cs83	SWAYAM-NPTEL	Jul-Dec 2022	32	2	0		
Appreciating Carnatic Music	noc22-hs86	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Artificial Intelligence : Search Methods for Problem Solving	noc22-cs67	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Basic course in Biomedical Research	noc22-md01	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Basic course in Biomedical Research Cycle 4A	noc21-md04	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Basic Electrical Circuits	noc22-ee90	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Body language: Key to professional Success	noc22-hs78	SWAYAM-NPTEL	Jul-Dec 2022	32	2	0		
Business and Sustainable Development	noc22-mg85	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Calculus for Economics, Commerce and Management	noc22-ma44	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Cell Culture Technologies	noc22-bt64	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Cellular biophysics: a framework for quantitative biology	noc22-bt32	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Chemistry and Physics of Surfaces and Interfaces	noc22-cy57	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Computer Aided Drug Design	noc22-bt37	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Consumer Psychology	noc22-hs124	SWAYAM-NPTEL	Jul-Dec 2022	32	2	0		
Current regulatory requirements for conducting clinical trials	noc22-ge25	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Dairy and Food process and products technology	noc22-ag06	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Data Science for Engineers	noc22-cs72	SWAYAM-NPTEL	Jul-Dec 2022	32	2	0		
Decision-Making Under Uncertainty	noc22-mg62	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Digital Circuits	noc22-ee110	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Electrical Measurement and Electronic Instruments	noc22-ee112	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Electronic Properties of the Materials: Computational Apprao	noc22-mm44	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Environmental Biotechnology	noc22-bt57	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Experimental Biotechnology	noc22-bt60	SWAYAM-NPTEL	Jul-Dec 2022	32	9	0		
Feminist Writings	noc22-hs100	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Foundations of R Software	noc22-ma69	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Functional Genomics	noc22-bt42	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Fundamentals Of Artificial Intelligence	noc22-ge29	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Fundamentals of electronic device fabrication	noc22-mm29	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
German - I	noc22-hs88	SWAYAM-NPTEL	Jul-Dec 2022	32	3	0		
Human resource development	noc22-hs113	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Industrial Biotechnology	noc22-bt36	SWAYAM-NPTEL	Jul-Dec 2022	32	2	0		
Introduction to Biostatistics	noc22-bt44	SWAYAM-NPTEL	Jul-Dec 2022	32	2	0		
Introduction to Cell Biology	noc22-bt33	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Introduction to Machine Learning	noc22-cs73	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Introduction to Probability Theory and Statistics	noc22-ma81	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Introduction to proteomics	noc22-bt47	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Introduction to Quantum Field Theory(Theory of Scalar Fields)	noc22-ph30	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Introduction to Semiconductor Devices	noc22-ee91	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Machine Learning for Earth System Sciences	noc22-cs119	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Nanotechnology, Science and Applications	noc22-mm33	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Neutron Scattering for Condensed Matter Studies	noc22-ph33	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Numerical Methods And Simulation Techniques For Scientists	noc22-ph42	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Performance and Reward management	noc22-mg102	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Programming, Data Structures And Algorithms Using Python	noc22-cs70	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		

Enrollment Data

Enrollment Data

Certificate

Enrollment Data

Enrollment Data

Python for Data Science	noc22-cs74	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0	Enrollment Data	
Semiconductor Devices and Circuits	noc22-ee97	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Spoken Sanskrit: Basic and Intermediate Levels	noc22-hs114	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Techniques of Materials Characterization	noc22-mm37	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Text, Textuality and Digital Media	noc22-hs75	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
The Joy of Computing using Python	noc22-cs122	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Theoretical Mechanics	noc22-ph39	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
Training of Trainers	noc22-mg61	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
X-ray Crystallography & Diffraction	noc22-mm39	SWAYAM-NPTEL	Jul-Dec 2022	32	1	0		
JAN-JUN 23								
Advanced Computational Techniques	noc23-ma30	SWAYAM-NPTEL	Jan-Jun 2023	32	1	0		Enrollment Data
An Introduction to Artificial Intelligence	noc23-es05	SWAYAM-NPTEL	Jan-Jun 2023	32	1	0		
An Introduction to Microeconomics	noc23-hs44	SWAYAM-NPTEL	Jan-Jun 2023	32	1	0		
Basic course in Biomedical Research	noc22-md01	SWAYAM-NPTEL	Jan-Jun 2023	32	1	0		
Bioinformatics: Algorithms and Applications	noc23-bt12	SWAYAM-NPTEL	Jan-Jun 2023	32	5	0		
Business analytics and data mining Modeling using R	noc23-mg14	SWAYAM-NPTEL	Jan-Jun 2023	32	1	0		
Business Analytics For Management Decision	noc23-mg54	SWAYAM-NPTEL	Jan-Jun 2023	32	1	0		
Data Mining	noc23-es43	SWAYAM-NPTEL	Jan-Jun 2023	32	1	0		
Design, Technology and Innovation	noc23-de06	SWAYAM-NPTEL	Jan-Jun 2023	32	1	0		
E-Business	noc23-mg49	SWAYAM-NPTEL	Jan-Jun 2023	32	1	0		
English Language for Competitive Exams	noc23-hs52	SWAYAM-NPTEL	Jan-Jun 2023	32	1	0		
Ethical Hacking	noc23-es44	SWAYAM-NPTEL	Jan-Jun 2023	32	1	0		
Financial accounting	noc23-mg65	SWAYAM-NPTEL	Jan-Jun 2023	32	1	0		
Financial Management For Managers	noc23-mg13	SWAYAM-NPTEL	Jan-Jun 2023	32	3	0		
Financial Statement Analysis and Reporting	noc23-mg12	SWAYAM-NPTEL	Jan-Jun 2023	32	1	0		
Introduction to Research	noc23-ge05	SWAYAM-NPTEL	Jan-Jun 2023	32	1	0		
Nuclear Astrophysics	noc23-ph21	SWAYAM-NPTEL	Jan-Jun 2023	32	1	0		
Probability and Statistics	noc23-ma24	SWAYAM-NPTEL	Jan-Jun 2023	32	1	0		
Production and Operation Management	noc23-mg17	SWAYAM-NPTEL	Jan-Jun 2023	32	1	0		
Python for Data Science	noc23-cs21	SWAYAM-NPTEL	Jan-Jun 2023	32	1	0		
Software Testing	noc23-cs38	SWAYAM-NPTEL	Jan-Jun 2023	32	2	0		
JUL-DEC 2023								
Advance Course In Social Psychology	noc23-hs82	SWAYAM-NPTEL	Jul-Dec 2023	32	5	0	Enrollment Data	
Advanced Algorithmic Trading And Portfolio Management	noc23-mg119	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Advanced Quantum Mechanics With Applications	noc23-ph29	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
An Introduction To Indian Literary Theory	noc23-hs110	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Animal Physiology	noc23-bt67	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Artificial Intelligence : Search Methods For Problem Solving	noc23-cs92	SWAYAM-NPTEL	Jul-Dec 2023	32	2	0		
Basic course in Biomedical Research	noc22-md01	SWAYAM-NPTEL	Jul-Dec 2023	32	2	0		
Biomedical Nanotechnology	noc23-bt70	SWAYAM-NPTEL	Jul-Dec 2023	32	3	0		
Brand Management	noc23-mg117	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Brief Introduction To Psychology	noc23-hs117	SWAYAM-NPTEL	Jul-Dec 2023	32	2	0		
Business Analytics & Text Mining Modeling Using Python	noc23-mg104	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Business And Sustainable Development	noc23-mg84	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Business Fundamentals For Entrepreneurs (Part 1: Internal O	noc23-mg126	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
C Programming And Assembly Language	noc23-cs93	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Cell Culture Technologies	noc23-bt68	SWAYAM-NPTEL	Jul-Dec 2023	32	2	1		
Cloud Computing	noc23-es89	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Computer Aided Drug Design	noc23-bt41	SWAYAM-NPTEL	Jul-Dec 2023	32	2	0		
Computer Architecture	noc23-cs67	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Computer Graphics	noc23-cs115	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Constitution Of India And Environmental Governance: Admin	noc23-iv03	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Consumer Psychology	noc23-hs90	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Corporate Finance	noc23-mg92	SWAYAM-NPTEL	Jul-Dec 2023	32	4	0		
Corporate Social Responsibility	noc23-mg94	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Customer Relationship Management	noc23-mg91	SWAYAM-NPTEL	Jul-Dec 2023	32	2	0		
Data Base Management System	noc23-es79	SWAYAM-NPTEL	Jul-Dec 2023	32	2	0		
Data Structure And Algorithms Using Java	noc23-cs85	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Decision-Making Under Uncertainty	noc23-mg70	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Drug Delivery: Principles And Engineering	noc23-bt37	SWAYAM-NPTEL	Jul-Dec 2023	32	2	0		
E-Business	noc23-mg88	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Economics Of Banking And Finance Markets	noc23-ec02	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Electrophysiology Of Heart	noc23-bt69	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Equity Stock Market: Concepts, Instruments, Risks and Deriv	imb23-mg59	SWAYAM-NPTEL	Jul-Dec 2024	32	1	1		
Ethical Hacking	noc23-es75	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Financial Accounting	noc23-mg80	SWAYAM-NPTEL	Jul-Dec 2023	32	2	0		
Functional Genomics	noc23-bt53	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
German - I	noc23-hs98	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Google Cloud Computing Foundations	noc23-cs90	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
History Of English Language And Literature	noc23-hs107	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Introduction To Aircraft Design	noc23-ae15	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Introduction To Cell Biology	noc23-bt50	SWAYAM-NPTEL	Jul-Dec 2023	32	13	0		
Introduction To Computer And Network Performance Analysi	noc23-cs118	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Introduction To Japanese Language And Culture	noc23-hs120	SWAYAM-NPTEL	Jul-Dec 2023	32	2	0		
Introduction To Japanese Language And Culture - II	noc23-hs123	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Introduction To Operating Systems	noc23-cs101	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Introduction To Proteogenomics	noc23-bt36	SWAYAM-NPTEL	Jul-Dec 2023	32	2	0		
Introduction To Proteomics	noc23-bt59	SWAYAM-NPTEL	Jul-Dec 2023	32	2	0		
Marketing Management - I	noc23-mg76	SWAYAM-NPTEL	Jul-Dec 2023	32	4	0		
Marketing Research And Analysis	noc23-mg106	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Next Generation Sequencing Technologies : Data Analysis And	noc23-bt34	SWAYAM-NPTEL	Jul-Dec 2023	32	4	0		
Operating System Fundamentals	noc23-cs123	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Operations And Supply Chain Management	noc23-mg71	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Organ Printing	noc23-bt49	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Organic Chemistry In Biology And Drug Development	noc23-cs58	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Product And Brand Management	noc23-mg110	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Programming In Java	noc23-cs74	SWAYAM-NPTEL	Jul-Dec 2023	32	2	0		
Programming, Data Structures And Algorithms Using Python	noc23-cs95	SWAYAM-NPTEL	Jul-Dec 2023	32	3	0		
Project Management : Planning, Execution, Evaluation And C	noc23-mg124	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Python For Data Science	noc23-cs99	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Retail Marketing Strategy	noc23-mg100	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Right To Information And Good Governance	noc23-iv02	SWAYAM-NPTEL	Jul-Dec 2023	32	4	0		
Scientific Computing Using Python	noc23-ph46	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Strategic Management â€” The Competitive Edge	noc23-mg85	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Strategic Management For Competitive Advantage	noc23-mg93	SWAYAM-NPTEL	Jul-Dec 2023	32	2	0		
Strategic Sales Management	noc23-mg113	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
Tissue Engineering	noc23-bt46	SWAYAM-NPTEL	Jul-Dec 2023	32	1	0		
JAN-JUN 24								
A brief introduction of Micro - Sensors	noc24-ee09	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0	Enrollment Data	
Advanced Financial Instruments for Sustainable Business and	noc24-mg65	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0		
Advanced Probability Theory	noc24-ma05	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0		
Advances in Strategic Human Resource Management (HRM)	noc24-mg04	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0		
AI in Marketing	noc24-mg05	SWAYAM-NPTEL	Jan-Apr 2024	32	8	0		
An Introduction to Artificial Intelligence	noc24-cs08	SWAYAM-NPTEL	Jan-Apr 2024	32	2	0		
An Introduction to Microeconomics	noc24-hs17	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0		
Artificial Intelligence (AI) for Investments	noc24-mg06	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0		
Automatic Control	noc24-me06	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0		
Basic course in Biomedical Research	noc22-md01	SWAYAM-NPTEL	Jan-Apr 2024	32	4	0		
Biochemistry	noc24-cy06	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0		
Bioengineering: An Interface with Biology and Medicine	noc24-bt14	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0		
Bioinformatics: Algorithms and Applications	noc24-bt15	SWAYAM-NPTEL	Jan-Apr 2024	32	12	0		
Blockchain and its Applications	noc24-cs15	SWAYAM-NPTEL	Jan-Apr 2024	32	2	0		
Business Analytics For Management Decision	noc24-mg09	SWAYAM-NPTEL	Jan-Apr 2024	32	5	0		
Business Development: From Start to Scale	noc24-mg10	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0		
Business Fundamentals for Entrepreneurs (Part 2: External O	noc24-mg67	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0		
Business Law for Managers	noc24-mg11	SWAYAM-NPTEL	Jan-Apr 2024	32	3	0		
Business Statistics	noc24-mg12	SWAYAM-NPTEL	Jan-Apr 2024	32	2	0		
Cell Biology: Cellular organization, division and processes	noc24-bt18	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0		
Cloud Computing	noc24-cs17	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0		
Communication Networks	noc24-ee71	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0		
Computational Genomics	noc24-bt03	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0		
Computer Networks And Internet Protocol	noc24-cs19	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0		

Consumer Behaviour	noc24-mg13	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Cooling Technology: Why and How utilized in Food Processing	noc24-ag01	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Data Analysis and Decision Making - I	noc24-mg14	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Data Analysis For Biologists	noc24-bt11	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Data Base Management System	noc24-cs21	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Design Thinking - A Primer	noc24-mg15	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
E-Business	noc24-mg16	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Edge Computing	noc24-cs66	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Effective Writing	noc24-hs23	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Emotional Intelligence	noc24-hs06	SWAYAM-NPTEL	Jan-Apr 2024	32	2	0
Engineering/Architectural Graphics - part I - Orthographic p	noc24-ar01	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Engineering/Architectural Graphics â€” part II â€” Isometric	noc24-ar02	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
English Language for Competitive Exams	noc24-hs73	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Enzyme Sciences and Technology	noc24-bt22	SWAYAM-NPTEL	Jan-Apr 2024	32	2	0
Financial accounting - ITMandi	noc24-mg18	SWAYAM-NPTEL	Jan-Apr 2024	32	2	0
Financial Derivatives & Risk Management	noc24-mg19	SWAYAM-NPTEL	Jan-Apr 2024	32	2	0
Financial Management For Managers	noc24-mg21	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Global Marketing Management	noc24-mg24	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Host-Pathogen Interaction (Immunology)	noc24-bt24	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Human Behaviour	noc24-hs35	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
I Think Biology	noc24-bt36	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Industrial Hydraulics and Automation	noc24-me69	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Integrated Marketing Communication	noc24-mg26	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
International Business	noc24-mg28	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Introduction to Econometrics	noc24-ec06	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Introduction to Environmental Economics	noc24-hs41	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Introduction To Internet Of Things	noc24-cs35	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Investment Management	noc24-mg34	SWAYAM-NPTEL	Jan-Apr 2024	32	3	0
Japani Bhasha - Saral swaroop	noc24-hs48	SWAYAM-NPTEL	Jan-Apr 2024	32	2	0
Leadership and Team Effectiveness	noc24-mg35	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Leadership for India Inc: Practical Concepts and Constructs	noc24-mg36	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Management of Medical Emergencies in Dental Practice	noc24-ge22	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Managing Change In Organizations	noc24-mg38	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Marketing Management - II	noc24-mg41	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Mechanics of Sheet Metal Forming	noc24-me51	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Molecular Biology	noc24-bt07	SWAYAM-NPTEL	Jan-Apr 2024	32	4	0
Nuclear Astrophysics	noc24-ph11	SWAYAM-NPTEL	Jan-Apr 2024	32	1	1
Numerical Linear Algebra	noc24-ma35	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Principles Of Casting Technology	noc24-me16	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Principles of Management	noc24-mg47	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Programming In Java	noc24-cs43	SWAYAM-NPTEL	Jan-Apr 2024	32	3	0
Programming in Modern C++	noc24-cs44	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Project Management	noc24-mg01	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Psychology of Emotion: Theory and Applications	noc24-hs64	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Psychology Of Stress, Health And Well-Being	noc24-hs65	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Python for Data Science	noc24-cs54	SWAYAM-NPTEL	Jan-Apr 2024	32	2	0
Quantum Mechanics I	noc24-ph15	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Six Sigma	noc24-mg55	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Strategic Performance Management	noc24-hs10	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Talent Acquisition and Management	noc24-mg60	SWAYAM-NPTEL	Jan-Apr 2024	32	1	0
Yoga and Positive Psychology for Managing Career and Life	noc24-mg63	SWAYAM-NPTEL	Jan-Apr 2024	32	2	0

Enrollment Data

Certificate

Enrollment Data



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SURABHI SAHA

for successfully completing the course

Cell Culture Technologies



with a consolidated score of **80** %

Online Assignments	22.5/25	Proctored Exam	57/75
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Total number of candidates certified in this course: **1634**

Prof. B. V. Ratish Kumar

Chairman, Centre for Continuing Education
IIT Kanpur

Aug-Oct 2023

(8 week course)

Prof. Satyaki Roy

NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL23BT68S637700472

To verify the certificate



No. of credits recommended: 2 or 3



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

KARISHMA BATHEJA

for successfully completing the course



Introduction to Environmental Economics

with a consolidated score of **84** %

Online Assignments	23.75/25	Proctored Exam	60/75
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Total number of candidates certified in this course: **1558**

Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Jan-Apr 2024

(12 week course)

Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)



Indian Institute of Technology Roorkee



Roll No: NPTEL24HS41S957700071

To verify the certificate



No. of credits recommended: 3 or 4



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

GODHULI PAL

for successfully completing the course

Nuclear Astrophysics

with a consolidated score of **53** %

Online Assignments	22.29/25	Proctored Exam	30.38/75
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Total number of candidates certified in this course: **179**

Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Jan-Mar 2024

(8 week course)

Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)



Indian Institute of Technology Roorkee



Roll No: NPTEL24PH11S549200060

To verify the certificate



No. of credits recommended: 2 or 3



SWAYAM ONLINE COURSE CERTIFICATION

This certificate is awarded to

Harsh Goel

for successfully completing the Two-credit course

Equity Stock Market

with a consolidated score of 68.4%

(proctored examination held on 04-12-2023) - July 2023 Semester

offered by **Indian Institute of Management Bangalore**



MP08010022

Issued On : 27/12/2023

To validate and check scores : <https://swayam.gov.in/>

Vasanthi's

Vasanthi Srinivasan
National Coordinator

Indian Institute of Management Bangalore