Admission Notice

This is to let you know that admission to various courses in NPTEL-SWAYAM for the session January to April 2024 is going on. I request the department to select at-least ten students from your department who can successfully enrol as well as register for the exams.

Faculty members can also join as mentors to any course.

Dr Kamal Ch Pathak
Principal
B P Chaliha College

Principal
B.P. Chaliha College
Nagarbera

Dr Deepjyoti Borgohain
SPOC, SWAYAM-NPTEL Local Chapter
B P Chaliha College

Admission Procedure

How to enroll (join) in a course

Please go to this link to join for courses that you/students are interested in. https://onlinecourses.nptel.ac.in/
Note that enrolment to any course is free. The students will have only to pay for exam registration fee of Rs 1000/-

KINDLY ALERT YOUR STUDENTS/FACULTY to FOLLOW THESE IMPORTANT STEPS:

- Learners have to say **YES** to the question 'Are you part of a Local Chapter'
- Choose the correct college name (Bimal Prasad Chaliha College) from the dropdown. This is very important; else the learner will not be available in your SPOC login
- Students choose the Profession as '**Student**'
- Faculty choose the Profession as 'Faculty' (Not Employed)
- Use the **same email id** for enrolling to courses & exam registration. Assignments submitted through one mail id & exam registered through another mail id will not be accepted
- **NEW: Please note that the exam registration for the 12 week courses will be closed along with the set one 4wk and 8wk courses.**

Important dates

	4 weeks (SET 1)	8 weeks (SET 1)	12 weeks	4 weeks (SET 2)	8 weeks (SET 2)
Start of course	Jan 22, 2024	Jan 22, 2024	Jan 22, 2024	Feb 19, 2024	Feb 19, 2024
End of course	Feb 16, 2024	Mar 15, 2024	Apr 12, 2024	Mar 15, 2024	Apr 12, 2024
Exam dates	Mar 23/24, 2024 2 Sessions on each date 9am-12 noon; 2pm-5pm		April 20/21/27/28, 2024 2 Sessions on each date 9am-12 noon; 2pm-5pm		
Possible Additional Exam dates	**Mar 22, 2024 2 Sessions on each date 9am-12 noon; 2pm-5pm**		**April 18/19/22, 2024 2 Sessions on each date 9am-12 noon; 2pm-5pm**		
Open enrollment to the course	Nov 9, 2023				
Close enrollment to the course	Jan 29, 2024 - 5pm			Feb 19, 2024 - 5pm	
Open exam registration form	Dec 13, 2023 - 10am				
Close exam registration form	Feb 12, 2024 5pm / Feb 16, 2024 5pm			March 11, 2024 5pm / March 15, 2024 5pm	

SWAYAM courses 2024 (January – April)

Discipline: Biotechnology and Bioengineering

Course Name	Duration	Enrollment End date
Maternal Infant Young Child Nutrition	12 Weeks	Jan 29, 2024
Maternal Infant Young Child Nutrition (Hindi)	12 Weeks	Jan 29, 2024
Biomechanics	12 Weeks	Jan 29, 2024
Molecular Biology	12 Weeks	Jan 29, 2024
Plant Developmental Biology	4 Weeks	Jan 29, 2024
Structural Biology	12 Weeks	Jan 29, 2024
Data Analysis For Biologists	8 Weeks	Jan 29, 2024
Biochemistry - IITM	12 Weeks	Jan 29, 2024
Bioelectrochemistry	4 weeks	Jan 29, 2024
Bioengineering: An Interface with Biology and Medicine	8 Weeks	Jan 29, 2024
BioInformatics: Algorithms and Applications	12 Weeks	Jan 29, 2024
Biointerface Engineering	8 Weeks	Jan 29, 2024
Bioreactor Design and Analysis	8 Weeks	Jan 29, 2024
Cell Biology: Cellular organization, division and processes	8 Weeks	Jan 29, 2024
Computational Systems Biology	12 Weeks	Jan 29, 2024
Conservation Economics	12 Weeks	Jan 29, 2024
Demystifying The Brain	4 Weeks	Jan 29, 2024
Enzyme Sciences and Technology	12 Weeks	Jan 29, 2024
Forests and their Management	12 Weeks	Jan 29, 2024
Interactomics : Basics & Applications	12 Weeks	Jan 29, 2024
Introductory Mathematical Methods for Biologists	8 Weeks	Jan 29, 2024
Material and Energy Balances	12 Weeks	Jan 29, 2024
Medical Biomaterials	8 Weeks	Jan 29, 2024
Metabolic Engineering	8 Weeks	Jan 29, 2024
Nanotechnology In Agriculture	8 Weeks	Jan 29, 2024
Thermodynamics for Biological Systems : Classical and Statistical Aspect	12 Weeks	Jan 29, 2024
Biostatistics and Design of experiments	8 Weeks	Jan 29, 2024
I Think Biology	12 Weeks	Jan 29, 2024
Microsensors, Implantable Devices and Rodent Surgeries for Biomedical Applications	12 Weeks	Jan 29, 2024

SWAYAM courses 2024 (January – April)

Discipline: Computer Science and Engineering

Course Name	Duration	Enrollment End date
Introduction To Internet Of Things	12 Weeks	Jan 29, 2024
Introduction To Soft Computing	8 Weeks	Jan 29, 2024
Machine Learning for Engineering and science applications	12 Weeks	Jan 29, 2024
Natural Language Processing	12 Weeks	Jan 29, 2024
Optimisation for Machine Learning: Theory and Implementation (Hindi)	8 Weeks	Jan 29, 2024
Problem Solving Through Programming In C	12 Weeks	Jan 29, 2024
Programming In Java	12 Weeks	Jan 29, 2024
Programming in Modern C++	12 Weeks	Jan 29, 2024
Programming, Data Structures And Algorithms Using Python	8 Weeks	Jan 29, 2024
Software Testing	4 Weeks	Jan 29, 2024
Systems and Usable Security	4 Weeks	Jan 29, 2024
Theory of Computation	12 Weeks	Jan 29, 2024
User-centric Computing For Human-Computer Interaction	8 Weeks	Jan 29, 2024
Introduction to Machine Learning	12 Weeks	Jan 29, 2024
Reinforcement Learning	12 Weeks	Jan 29, 2024
Data Science for Engineers	8 Weeks	Jan 29, 2024
Python for Data Science	4 Weeks	Jan 29, 2024
Introduction to Database Systems	12 Weeks	Jan 29, 2024
Social Networks	12 Weeks	Jan 29, 2024
The Joy of Computing using Python	12 Weeks	Jan 29, 2024
Discrete Mathematics	12 Weeks	Jan 29, 2024
Deep Learning - IIT Ropar	12 Weeks	Jan 29, 2024
Digital Design with Verilog	12 Weeks	Jan 29, 2024
Probability for Computer Science	8 Weeks	Feb 19, 2024
Parallel Computer Architecture	12 Weeks	Jan 29, 2024
Edge Computing	8 Weeks	Jan 29, 2024

SWAYAM courses 2024 (January – April)

Discipline: Chemistry

Course Name	Duration	Enrollment End date
Metallocene and Metal-carbene based Organometallic Compounds as Industrially Important Advanced Polyolefin Catalysts	8 Weeks	Jan 29, 2024
Advanced Chemical Thermodynamics and Kinetics	12 Weeks	Jan 29, 2024
Advanced Transition Metal Organometallic Chemistry	12 Weeks	Jan 29, 2024
Basic thermodynamics: Classical and Statistical Approaches	12 Weeks	Jan 29, 2024
Basics in Inorganic Chemistry	4 Weeks	Jan 29, 2024
Biochemistry	12 Weeks	Jan 29, 2024
Chemistry Of Main Group Elements	12 Weeks	Jan 29, 2024
Co-Ordination Chemistry (Chemistry Of Transition Elements)	12 Weeks	Jan 29, 2024
Elementary Electrochemistry	8 Weeks	Jan 29, 2024
Experimental Biochemistry	12 Weeks	Jan 29, 2024
Fundamentals of Spectroscopy	12 Weeks	Jan 29, 2024
Industrial Inorganic Chemistry	12 Weeks	Jan 29, 2024
Interpretative molecular spectroscopy	12 weeks	Jan 29, 2024
Medicinal Chemistry	12 Weeks	Jan 29, 2024
Molecular Spectroscopy: A Physical Chemist's perspective	12 Weeks	Jan 29, 2024
One and Two dimensional NMR Spectroscopy: Concepts and Spectral Analysis	12 Weeks	Jan 29, 2024
Organic Chemistry I (Tamil)	4 Weeks	Jan 29, 2024
Organometallic Chemistry	4 Weeks	Jan 29, 2024
Symmetry, Stereochemistry and Applications	12 Weeks	Jan 29, 2024
Transition Metal Organometallics in Catalysis and Biology	12 Weeks	Jan 29, 2024
Bioinorganic Chemistry	4 Weeks	Jan 29, 2024
Elementary Thermodynamics for All	12 Weeks	Jan 29, 2024
Thermodynamics: Classical To Statistical	12 Weeks	Jan 29, 2024
Many body methods in quantum chemistry	12 Weeks	Jan 29, 2024

SWAYAM courses 2024 (January – April)

Discipline: Economic Sciences

Course Name	Duration	Enrollment End date
Foundations of Accounting & Finance	12 Weeks	Jan 29, 2024
Applied Statistics and Econometrics	12 Weeks	Jan 29, 2024
Indian Economy: Some Contemporary Perspectives	8 Weeks	Jan 29, 2024
Microfoundations Of Macroeconomics	8 Weeks	Jan 29, 2024
Introduction to Econometrics	12 Weeks	Jan 29, 2024

SWAYAM courses 2024 (January – April)

Discipline: Multidisciplinary

Course Name	Duration	Enrollment End date
Multi-Criteria Decision Making and Applications	12 Weeks	Jan 29, 2024
An Introduction to Urban Ecological Heritage: Theories and Applications	4 weeks	Feb 19, 2024
Vulnerability Studies: An Introduction	8 Weeks	Feb 19, 2024
Pulmonary Function tests - Interpretation and application in clinical practice	4 Weeks	Feb 19, 2024
Basic Certificate in Palliative Care	12 Weeks	Jan 29, 2024
Fundamental Of Fluid Mechanics For Chemical And Biomedical Engineers	12 Weeks	Jan 29, 2024
Basic Course in Ornithology	12 Weeks	Jan 29, 2024
Basics of Mental Health & Clinical Psychiatry	8 Weeks	Jan 29, 2024
Engineering Statistics	12 Weeks	Jan 29, 2024
Entrepreneurship Essentials	12 Weeks	Jan 29, 2024
Foundation Certificate In Palliative Care	12 Weeks	Jan 29, 2024
Fuzzy Logic And Neural Networks	8 Weeks	Jan 29, 2024
Groundwater hydrology and management	12 Weeks	Jan 29, 2024
Introduction To Environmental Engineering And Science - Fundamental And Sustainability Concepts	12 Weeks	Jan 29, 2024
Introduction to Reliability Engineering	8 Weeks	Jan 29, 2024
Management of Medical Emergencies in Dental Practice	8 Weeks	Jan 29, 2024
Nanobio Technology Enabled Point-of-Care Devices	8 Weeks	Jan 29, 2024
Non-conventional energy Resources	12 Weeks	Jan 29, 2024
Oral Biology	8 Weeks	Jan 29, 2024
Outcome Based Pedagogic Principles For Effective Teaching	4 Weeks	Feb 19, 2024
Roadmap for patent creation	8 Weeks	Jan 29, 2024
Rural Water Resources Management	12 Weeks	Jan 29, 2024
Experimental Robotics	4 weeks	Feb 19, 2024
Conservation & Project Management of Baoli Water Systems	12 Weeks	Jan 29, 2024
Medical Law	8 Weeks	Feb 19, 2024
An Overview on Maternal Health Antenatal, Intranatal and Postnatal Care	12 Weeks	Jan 29, 2024
Recommender Systems	8 Weeks	Feb 19, 2024
Comprehensive Molecular Diagnostics and Advanced Gene Expression Analysis	12 Weeks	Jan 29, 2024

SWAYAM courses 2024 (January – April)

Discipline: Humanities and Social Sciences

Course Name	Duration	Enrollment End date
Education for Sustainable Development	12 Weeks	Jan 29, 2024
Emotional Intelligence	8 Weeks	Jan 29, 2024
Introduction On Intellectual Property To Engineers And Technologists	8 Weeks	Jan 29, 2024
Legal Compliance For Incorporating Startup	4 Weeks	Jan 29, 2024
Speaking Effectively	8 Weeks	Jan 29, 2024
Technology Transfer Through Joint Venture	4 Weeks	Jan 29, 2024
Training and Development	12 Weeks	Jan 29, 2024
Soft Skill Development	8 Weeks	Jan 29, 2024
The Science of Happiness and Wellbeing	8 Weeks	Jan 29, 2024
Appreciating Hindustani Music	8 Weeks	Jan 29, 2024
Basics of language Science	12 Weeks	Jan 29, 2024
Bilingualism: A cognitive and psycholinguistic perspective	8 Weeks	Jan 29, 2024
Contextualizing Gender	12 Weeks	Jan 29, 2024
Economic Growth And Development	8 Weeks	Jan 29, 2024
Effective Writing	4 Weeks	Jan 29, 2024
Energy Resources, Economics and Environment	12 Weeks	Jan 29, 2024
English Literature of the Romantic Period 1798-1832	8 Weeks	Jan 29, 2024
Enhancing Soft Skills and Personality	8 Weeks	Feb 19, 2024
Exploring Survey Data on Health Care	8 Weeks	Jan 29, 2024
Feminism : Concepts and Theories	12 Weeks	Jan 29, 2024
German - I	12 Weeks	Jan 29, 2024
German - II	12 Weeks	Jan 29, 2024
German - III	12 Weeks	Jan 29, 2024
Globalization: Theoretical Perspectives	12 Weeks	Jan 29, 2024
Group Dynamics	8 Weeks	Jan 29, 2024
Health Research Fundamentals	8 Weeks	Jan 29, 2024
Indian Feminisms: Concepts and Issues	4 Weeks	Jan 29, 2024
Indian Poetry in English	8 Weeks	Jan 29, 2024
Intellectual Property	12 Weeks	Jan 29, 2024
Introduction To Cognitive Psychology	12 Weeks	Jan 29, 2024
Introduction to Environmental Economics	12 Weeks	Jan 29, 2024
Introduction To Modern Indian Political Thought	12 Weeks	Jan 29, 2024
Introduction to Pāṇinian grammar	12 Weeks	Jan 29, 2024
Introduction To Political Theory	12 Weeks	Jan 29, 2024
Introduction to Psychology	8 Weeks	Jan 29, 2024
Japani Bhasha - Saral swaroop	12 Weeks	Jan 29, 2024
Language and Mind	8 Weeks	Feb 19, 2024
Language, Culture And Cognition: An Introduction	8 Weeks	Jan 29, 2024
Literature and Coping Skills	8 Weeks	Jan 29, 2024
Literature and Life	12 Weeks	Jan 29, 2024
Modern Indian Writing in Translation	12 Weeks	Jan 29, 2024
Narrative Mode and Fiction	12 Weeks	Jan 29, 2024
Online Communication in the Digital Age	12 Weeks	Jan 29, 2024

Patent Drafting for Beginners	4 Weeks	Jan 29, 2024
Patent Law for Engineers and Scientists	12 Weeks	Jan 29, 2024
Philosophical Foundations Of Social Research	8 Weeks	Jan 29, 2024
Phonetics And Phonology: A Broad Overview	8 Weeks	Jan 29, 2024
Psychiatry - An Overview and How the Brain Creates Mind	8 Weeks	Jan 29, 2024
Psychology of Emotion: Theory and Applications	12 Weeks	Jan 29, 2024
Psychology Of Stress, Health And Well-Being	12 Weeks	Jan 29, 2024
Sociological Perspectives On Modernity	12 Weeks	Jan 29, 2024
Twentieth Century Fiction	12 Weeks	Jan 29, 2024
United Nations Sustainable Development Goals (UN SDGs)	12 Weeks	Jan 29, 2024
समास samāsa in Pāṇinian grammar- I	12 Weeks	Jan 29, 2024
English Language for Competitive Exams	12 Weeks	Jan 29, 2024
Learning English in Hindi	8 Weeks	Jan 29, 2024
Philosophy and Critical Thinking	12 weeks	Jan 29, 2024
Energy Resources, Economics, and Sustainability	8 Weeks	Feb 19, 2024
Cognitive Ergonomics	4 Weeks	Feb 19, 2024
Sociology and Sanitation: An Introduction	4 Weeks	Feb 19, 2024
Human Movement Science	8 Weeks	Feb 19, 2024
Sports and Performance Nutrition	8 Weeks	Feb 19, 2024
Sports Psychology	8 Weeks	Feb 19, 2024
Strength & Conditioning for the Indian Population	12 weeks	Jan 29, 2024
Essentials of Sports Injury Prevention & Rehabilitation	8 Weeks	Feb 19, 2024
Introduction to Exercise Physiology & Sports Performance	8 Weeks	Feb 19, 2024
Fundamentals of Sports Training, Load Management and recovery	8 Weeks	Feb 19, 2024
Forensic Linguistics	4 Weeks	Feb 19, 2024

SWAYAM courses 2024 (January – April)

Discipline: Mathematics

Course Name	Duration	Enrollment End date
Advanced Computational Techniques	4 Weeks	Jan 29, 2024
Advanced Engineering Mathematics	12 Weeks	Jan 29, 2024
Advanced Probability Theory	12 Weeks	Jan 29, 2024
Algebraic Combinatorics	12 Weeks	Jan 29, 2024
An introduction to Point-Set-Topology Part-I	12 Weeks	Jan 29, 2024
An invitation to Topology	12 Weeks	Jan 29, 2024
Applied Linear Algebra in AI and ML	12 Weeks	Jan 29, 2024
Basic Calculus - 1	12 Weeks	Jan 29, 2024
Basic Linear Algebra	8 Weeks	Jan 29, 2024
Basic Real Analysis	12 Weeks	Jan 29, 2024
Computational Mathematics with SageMath	12 Weeks	Jan 29, 2024
Dynamical System and Control	12 Weeks	Jan 29, 2024
Engineering Mathematics II	12 Weeks	Jan 29, 2024
Essentials Of Data Science With R Software - 1: Probability And Statistical Inference	12 Weeks	Jan 29, 2024
Essentials Of Data Science With R Software - 2: Sampling Theory And Linear Regression Analysis	12 Weeks	Jan 29, 2024
Graph Theory	8 Weeks	Jan 29, 2024
Introduction to Algebraic Geometry and Commutative Algebra	12 Weeks	Jan 29, 2024
Introduction to Galois Theory	8 Weeks	Jan 29, 2024
Introduction to Group Theory	12 Weeks	Jan 29, 2024
Introduction To Queueing Theory	12 Weeks	Jan 29, 2024
Linear Algebra	12 Weeks	Jan 29, 2024
Mathematical Modelling: Analysis and Applications	4 Weeks	Jan 29, 2024
Multivariable Calculus	8 Weeks	Jan 29, 2024
Numerical Analysis	12 Weeks	Jan 29, 2024
Numerical Linear Algebra	12 Weeks	Jan 29, 2024
Ordinary and Partial Differential Equations and Applications	12 Weeks	Jan 29, 2024
Probability And Statistics	12 Weeks	Jan 29, 2024
Probability –I with Examples Using R	12 Weeks	Jan 29, 2024
Scientific Computing using Matlab	12 Weeks	Jan 29, 2024
Set Theory and Mathematical Logic	12 Weeks	Jan 29, 2024
Statistical Inference	8 Weeks	Jan 29, 2024
Numerical Linear Algebra and Application	12 weeks	Jan 29, 2024

SWAYAM courses 2024 (January – April)

Discipline: Management

Course Name	Duration	Enrollment End date
International Business	12 Weeks	Jan 29, 2024
Introduction to Operations Research	8 Weeks	Jan 29, 2024
Introduction to probability and Statistics	4 Weeks	Jan 29, 2024
Introduction to System Dynamics Modeling	8 Weeks	Jan 29, 2024
Investment Management	8 Weeks	Feb 19, 2024
Leadership and Team Effectiveness	12 Weeks	Jan 29, 2024
Management of Field Sales	4 weeks	Jan 29, 2024
Managing Change In Organizations	8 Weeks	Jan 29, 2024
Marketing Management - II	8 Weeks	Feb 19, 2024
Marketing Research and Analysis-II	12 Weeks	Jan 29, 2024
MCDM Techniques Using R	4 Weeks	Jan 29, 2024
Organizational Design Change and Transformation	12 Weeks	Jan 29, 2024
Principles of Management	12 Weeks	Jan 29, 2024
Quality Design And Control	12 Weeks	Jan 29, 2024
Safety and Risk Analytics	12 Weeks	Jan 29, 2024
Sales And Distribution Management	8 Weeks	Feb 19, 2024
Simulation of Business Systems: An Applied Approach	8 Weeks	Jan 29, 2024
Six Sigma	12 Weeks	Jan 29, 2024
Strategic Services Marketing	12 Weeks	Jan 29, 2024
Supply Chain Analytics	8 Weeks	Feb 19, 2024
Talent Acquisition and Management	12 Weeks	Jan 29, 2024
Yoga and Positive Psychology for Managing Career and Life	8 Weeks	Jan 29, 2024
Management of Inventory Systems	12 Weeks	Jan 29, 2024
Advanced Financial Instruments for Sustainable Business and Decentralized Markets	12 Weeks	Jan 29, 2024
Business Forecasting	8 Weeks	Feb 19, 2024
Business Fundamentals for Entrepreneurs (Part 2: External Operation)	4 weeks	Feb 19, 2024

SWAYAM courses 2024 (January – April)

Discipline: Physics

Course Name	Duration	Enrollment End date
Mathematical Methods in Physics 1	8 Weeks	Jan 29, 2024
A Brief Course On Superconductivity	4 Weeks	Jan 29, 2024
Advanced Condensed Matter Physics	8 Weeks	Jan 29, 2024
Atomic And Molecular Physics	12 Weeks	Jan 29, 2024
Electronic Theory Of Solids	12 Weeks	Jan 29, 2024
Experimental Physics - II	12 Weeks	Jan 29, 2024
Group Theory methods in Physics	12 Weeks	Jan 29, 2024
Introduction to Atmospheric and Space Sciences	12 weeks	Jan 29, 2024
Nuclear Astrophysics	8 Weeks	Jan 29, 2024
Physics of Biological Systems	12 Weeks	Jan 29, 2024
Physics through Computational Thinking	8 Weeks	Jan 29, 2024
Quantum Entanglement: Fundamentals, measures and applications	4 Weeks	Feb 19, 2024
Quantum Mechanics I	12 Weeks	Jan 29, 2024
Thermal Physics	12 Weeks	Jan 29, 2024
Plasma Physics and Applications	12 Weeks	Jan 29, 2024
Coherence and Quantum Entanglement	12 Weeks	Jan 29, 2024