List of SWAYAM courses to be offered in Even semesters (Jan- June 2026)

Sl. No.	Name of the department	Name of the Course	Course Code (As per SWAYAM)	Course code (As per Respective CUSB PG ordinance & decided by DC)	Type of Course (As per respictive PG ordinance) (DBCC/DBCE/OEIC etc.)	Credit	Name of the Course Coordinator/Instuctor	Host Institute	Name of the SWAYAM Cordinator of the concerened dept. of CUSB
1	Physics	Quantum Computation and Quantum Information	noc26-ph02	PHY92SW27604	DBCE	4	Prof. Chiranjib Mitra	IISER Kolkata	Prof. Vijay Raj Singh
		Advanced NMR Techniques in Solution and Solid-State	noc26-ph04	PHY92SW27704	DBCE	4	Prof. N. Suryaprakash	IISc Bangalore	Prof. Vijay Raj Singh
		Particle Physics and the Standard Model	noc26-ph05	PHY92SW27804	DBCE	4	Prof. Nirmal Raj	IISc Bangalore	Prof. Vijay Raj Singh
		The Science of Light Amplification: An Extensive Laser course	noc26-ph06	PHY92SW27904	DBCE	4	Prof. Paramita Deb	Bhabha Atomic Research Centre(BARC)	Prof. Vijay Raj Singh
		Introduction to Statistical Mechanics	noc26-ph13	PHY92SW28002	DBCE	2	Prof. Girish S. Setlur	IIT Guwahati	Prof. Vijay Raj Singh
		Topology and Condensed Matter Physics	noc26-ph16	PHY92SW28102	DBCE	2	Prof. Saurabh Basu	IIT Guwahati	Prof. Vijay Raj Singh
		Tapestry of Field theory: Classical & Quantum, Equilibrium & Nonequilibrium Perspectives	noc26-ph17	PHY92SW28204	DBCE	4	Prof. Mahendra K. Verma	IIT Kanpur	Prof. Vijay Raj Singh
		Fluid Dynamics for Astrophysics	noc26-ph23	PHY92SW28304	DBCE	4	Prof. Prasad Subramanian	IISER Pune	Prof. Vijay Raj Singh
		Quantum Transport	noc26-ph28	PHY92SW28404	DBCE	4	Prof. Madhu Thalakulam	IISER Thiruvananthapuram	Prof. Vijay Raj Singh
		Mechanical Behavior of Materials (Hindi)	noc26-mm21	PHY62SW28504	DBCE	4	Prof. Niraj Mohan Chawake	IIT Kanpur	Prof. Vijay Raj Singh
		Group Theory methods in Physics	noc26-ph09	PHY62SW28604	DBCE	4	Prof. P. Ramadevi	IIT Bombay	Prof. Vijay Raj Singh
		Foundations of Quantum theory: Relativistic Approach	noc26-ph24	PHY62SW28704	DBCE	4	Prof. Kinjalk Lochan	IISER Mohali	Prof. Vijay Raj Singh
		Mathematical Methods in Physics 1	noc26-ph26	PHY62SW28802	DBCE	2	Prof. Auditya Sharma	IISER Bhopal	Prof. Vijay Raj Singh
		Physics through Computational Thinking	noc26-ph27	PHY62SW28902	DBCE	2	Prof. Auditya Sharma	IISER Bhopal	Prof. Vijay Raj Singh
		Phase Diagrams in Materials Science and Engineering	noc26-mm22	PHY62SW29004	DBCE	4	Prof. Krishanu Biswas	IIT Kanpur	Prof. Vijay Raj Singh
		Crystal Symmetry, X-Ray Diffraction and Physical Properties	noc26-mm23	PHY62SW29104	DBCE	4	Prof. Sandeep Sangal	IIT Kanpur	Prof. Vijay Raj Singh
		Solar Terrestrial Physics	noc26-ph03	PHY62SW29204	DBCE	4	Prof. MV Sunil Krishna	IIT Roorkee	Prof. Vijay Raj Singh
		An Introduction to Lasers and Laser Systems	noc26-ph07	PHY62SW29304	DBCE	4	Prof. Dhruba J. Biswas Prof. J. Padma Nilaya	Homi Bhabha National Institute(HBNI)	Prof. Vijay Raj Singh
		Physics of Biological Systems	noc26-ph10	PHY62SW29404	DBCE	4	Prof. Mithun Mitra	IIT Bombay	Prof. Vijay Raj Singh
		Quantum Entanglement: Fundamentals, Measures and Applications	noc26-ph14	PHY62SW29501	DBCE	1	Prof. Amarendra Kumar Sarma	IIT Guwahati	Prof. Vijay Raj Singh
		Quantum Technology and Quantum Phenomena in Macroscopic Systems	noc26-ph15	PHY62SW29604	DBCE	4	Prof. Amarendra Kumar Sarma	IIT Guwahati	Prof. Vijay Raj Singh
		Physics of Linear and Nonlinear Optical Waveguides	noc26-ph22	PHY62SW29704	DBCE	4	Prof. Samudra Roy	IIT Kharagpur	Prof. Vijay Raj Singh
		Fundamentals of Attosecond Science and Technology (FAST)	noc26-ph25	PHY62SW29804	DBCE	4	Prof. Sivarama Krishnan	IIT Madras	Prof. Vijay Raj Singh
		Statistical Mechanics	noc26-ph29	PHY62SW29904	DBCE	4	Prof. Dipanjan Chakraborty	IISER Mohali	Prof. Vijay Raj Singh
		Introduction to Atmospheric and Space Sciences	noc26-ph30	PHY62SW30004	DBCE	4	Prof. M V Sunil Krishna	IIT Roorkee	Prof. Vijay Raj Singh
		Nuclear Astrophysics	noc26-ph31	PHY62SW30102	DBCE	2	Prof. Anil Kumar Gourishetty	IIT Roorkee	Prof. Vijay Raj Singh
		Plasma Physics and Applications	noc26-ph32	PHY62SW30204	DBCE	4	Prof. M.V. Sunil Krishna	IIT Roorkee	Prof. Vijay Raj Singh
		Statistical Mechanics of Phases and Phase Transitions	noc26-ph33	PHY62SW30304	DBCE	4	Prof. Vijay Balakrishna Shenoy	IISc Bangalore	Prof. Vijay Raj Singh

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2	Chemistry	Industrial Inorganic Chemistry		CHE82SW01104 (For 2nd Semester)	OEIC	4	Prof. Debashis Ray	IIT Kharagpur	Dr. Girish Chandra
		Essentials Of Biomolecules : Nucleic Acids And Peptides		CHE92SW02104 (For 4th Semester)	OEIC	4	Prof. Lal Mohan Kundu	IIT Guwahati	Dr. Girish Chandra
3	Mathematics	Numerical Linear Algebra and Application		MTH92SW08804	DBCE	4	Prof. Srinivasa Rao Pentyala	IIT(ISM), Dhanbad	Dr. Pankaj Mishra
		Statistical Data Analysis using R		MTH92SW08904	DBCE	4	Prof.Athar Ali Khan	Aligarh Muslim University	Dr. Pankaj Mishra
		Scientific Computing using Matlab		MTH92SW09004	DBCE	4	By Prof. Mani Mehra, Prof. Vivek K. Aggarwal	IIT Delhi, DTU Delhi	Dr. Pankaj Mishra
		Introduction to Algebraic Geometry and Commutative Algebra		MTH92SW09104	DBCE	4	Prof. Dilip P. Patil	IISc Bangalore	Dr. Pankaj Mishra
		An Introduction to Matrix Lie Group		MTH92SW09204	DBCE	4	Prof. Krishnendu Gongopadhyay	IISER Mohali	Dr. Pankaj Mishra
		Riemannian Geometry		MTH92SW09304	DBCE	4	Prof. Ved Vivek Datar	IISc Bangalore	Dr. Pankaj Mishra
		Computational Mathematics with SageMath		MTH92SW09404	DBCE	4	Prof. Ajit Kumar	ICT Mumbai	Dr. Pankaj Mishra
		Mathematical Foundations of Machine Learning		MTH92SW09504	OEIC	4	Prof. Pratosh A P	IISc Bangalore	Dr. Pankaj Mishra
		Algorithmic Graph Theory and Data Structure		MTH92SW09604	OEIC	4	Prof. Sourav Mukhopadhyay	IIT Kharagpur	Dr. Pankaj Mishra
		Statistical Foundation for Big Data Analysis		MTH92SW09704	OEIC	4	Prof. Arindam Banarjee	IIT Kharagpur	Dr. Pankaj Mishra
		Introduction To Internet Of Things		MTH92SW09804	OEIC	4	Prof. Sudip Misra	IIT Kharagpur	Dr. Pankaj Mishra
		Deep Learning		MTH92SW09904	OEIC	4	Prof. Prabir Kumar Biswas	IIT Kharagpur	Dr. Pankaj Mishra
		The Joy of Computing using Python		MTH92SW10004	OEIC	4	Prof. Sudarshan Iyengar	IIT Ropar	Dr. Pankaj Mishra
4	Life Science	Food Science and Technology	noc26-ag05			2	Prof. Hari Niwas Mishra	IIT, Kharagpur	
		Applied Environmental Microbiology	noc26-ce75			3	Prof. Gargi Singh	IIT Roorkee	
		Microbial Biotechnology	noc26-bt21			3	Prof. Utpal Bora	IIT Guwahati	
		Basics of Biology	noc26-bt16			3	Prof. Vishal Trivedi	IIT Guwahati	
		Environmental Chemistry and Microbiology	noc26-bt31			3	Prof. Anjali Pal and Prof. Sudha Goel	IIT Kharagpur	
		Metabolic Engineering	noc26-bt30			2	Prof. Pinaki Sar and Prof. Amit Ghosh	IIT Kharagpur	
		Host-Pathogen Interaction (Immunology)	noc26-bt42			3	Prof. Himanshu Kumar	IISER Bhopal	

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5	Geology								
6	Geography								
7	Computer Science	Data Mining for Decision Making	noc26-cs14	CSC82SW10101	DBCE	1	Prof. Varun Dutt	IIT Mandi	Dr. Piyush Kumar Singh
		Edge Computing	noc26-cs30	CSC82SW10202	DBCE	2	Prof. Rajiv Misra	IIT Patna	Dr. Piyush Kumar Singh
		Blockchain and its Applications	noc26-cs34	CSC82SW10303	DBCE	3	Prof. Sandip Chakraborty Prof. Shamik Sural	IIT Kharagpur	Dr. Piyush Kumar Singh
		Introduction to Internet Of Things	noc26-cs37	CSC82SW10403	DBCE	3	Prof. Sudip Misra	IIT Kharagpur	Dr. Piyush Kumar Singh
		Introduction to Operations Research	noc26-mg54	CSC82SW10502	DBCE	2	Prof. G. Srinivasan	IIT Madras	Dr. Piyush Kumar Singh
8	Artificial Intelligence	Data Mining for Decision Making	noc26-cs14	CAI82SW10101	DBCE	1	Prof. Varun Dutt	IIT Mandi	Dr. Piyush Kumar Singh
		Edge Computing	noc26-cs30	CAI82SW10202	DBCE	2	Prof. Rajiv Misra	IIT Patna	Dr. Piyush Kumar Singh
		Blockchain and its Applications	noc26-cs34	CAI82SW10303	DBCE	3	Prof. Sandip Chakraborty Prof. Shamik Sural	IIT Kharagpur	Dr. Piyush Kumar Singh
		Introduction to Internet Of Things	noc26-cs37	CAI82SW10403	DBCE	3	Prof. Sudip Misra	IIT Kharagpur	Dr. Piyush Kumar Singh
		Introduction to Operations Research	noc26-mg54	CAI82SW10502	DBCE	2	Prof. G. Srinivasan	IIT Madras	Dr. Piyush Kumar Singh
		Soft Skill Development	noc26-hs54	CAI82SW10602	OEIC	2	Prof. Priyadarshi Pathak Prof. V. N. Giri Prof. D. Suar	IIT Kharagpur	Dr. Piyush Kumar Singh
		Internet Crimes and Cyber Security	noc26-lw01	CAI82SW10702	OEIC	2	Prof. K.V.K. Santhy Prof. B Md Irfan	NALSAR University of Law	Dr. Piyush Kumar Singh
9	Statistics								

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10	Data Science and Applied Statistics								
11	Biotechnology	Maternal Infant Young Child Nutrition	noc26-bt11	BTN82SW00804	OEIC	4	Prof. Rupal Dalal	IITB	Dr. Nitish Kumar
		RNA Biology	noc26-bt46	BTN82SW00904	OEIC	4	Prof. Rajesh Ramachandran	IISER Mohali	Dr. Nitish Kumar
		Plant Developmental Biology	noc26-bt49	BTN82SW01002	OEIC	2	Prof. Shri Ram Yadav	IIT R	Dr. Nitish Kumar
		Demystifying The Brain	noc26-bt41	BTN82SW01102	OEIC	2	Prof. Srinivas Chakravarthy	IITM	Dr. Nitish Kumar
		Bioelectrochemistry	noc26-bt24	BTN92SW01002	OEIC	2	Prof. Mainak Das	IITK	Dr. Nitish Kumar
		Demystifying The Brain	noc26-bt41	BTN92SW01102	OEIC	2	Prof. Srinivas Chakravarthy	IITM	Dr. Nitish Kumar
		Intellectual Property	noc26-hs84	BTN92SW01204	OEIC	4	Prof. Feroz Ali	IIT Kharagpur	Dr. Nitish Kumar
12	Bioinformatics								
13	Pharmaceutics								
14	Pharmacology								

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15	Environmental Science								
16	Journalism and Mass Communication								
17	Psychology	Advancement and Media		PSY82SW01200	MENC	0	Dr. Manali Bhattacharya	St. Xaviers University, Kolkata	Dr. Chetna Jaiswal
		Introduction to Peace and Conflict Management		PSY82SW01300	MENC	0	Dr. Bishnu Mohan Dash	IGNOU, New Delhi	Dr. Chetna Jaiswal
		Climate Change and Literature		PSY82SW01400	MENC	0	Prof. Sami Rafiq	Aligarh Muslim University, Aligarh	
19	English and Foregin Languages	Indian Poetics		ENG82SW03904	DC	4	Prof. Ami Upadhyay	Dr. Babasaheb Ambedkar Open University, Ahmedabad	Maj. Dr. V. Parimala Venu
		American Literature and Culture		ENG82SW0400	DE	3	Prof. Aysha Viswamohan	IIT Madras	Maj. Dr. V. Parimala Venu
		Aspects of Cultural Studies		ENG82SW04101	DE	1	Prof. P. Dalai	BHU	Maj. Dr. V. Parimala Venu
		Climate Change and Literature		ENG92SW04203	DE	3	Prof. Sami Rafiq	AMU	Maj. Dr. V. Parimala Venu
		Indian Feminisms: Concepts and Issues		ENG92SW04301	DE	1	Prof. Anandita Pan	IIT Hyderabad	Maj. Dr. V. Parimala Venu
20	Indian Languages								

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21	Sociology								
22	Social Work								
23	Political Science and IR								
24	Economics								
25	Commerce								
26	History								
27	MPED								

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28	M.Ed								
29	LLM								
30	Dept. of Library Science								