



Goa University
Discipline of Physics
School of Physical and Applied Sciences
Report on 39th Annual National Convention of Indian Association of
Physics Teachers

1. Title of the Event/Activity/program	39th Annual National Convention of Indian Association of Physics Teachers - 2025
2. Date and Time	5th to 7th October 2025, 9:00 am to 6:00pm
3. Mode of conduct (Physical/Online)	Physical
4. School/ Directorate/ Section	School of Physical and Applied Sciences Goa University
5. Collaborating Agency/School/Directorate	Indian Association of Physics Teachers Goa RC 21
6. Detail of the Resource Person (Brief biodata)	1. Prof. A J Kembhavi 2. Prof. P C Deshmukh 3. Dr. J C Kapoor 4. Dr. Mahesh Shetti 5. Prof. Arun Kulkarni 6. Dr. Yogesh Chandra Sharma 7. Dr. Bholanath Paharu 8. Prof. H C Verma
7. Number of Faculty attended/participated	17
8. Number of Student attended / participated	25
9. No. of external students/faculty/other participants	188

10. The objectives of the Program/activity/event	<ol style="list-style-type: none"> 1) To provide a National platform for physics teachers, researchers, and students to exchange ideas, share innovations, and discuss advancements in physics education and research. 2) To explore emerging themes such as Quantum Science and Technology, Space Research, and Physics Education Research, and address contemporary challenges in physics teaching. 3) To promote excellence in physics education by recognizing outstanding contributions through awards, competitions, and student achievements. 4) To encourage collaboration among institutions, educators, and researchers, fostering a spirit of scientific inquiry and interdisciplinary learning.
11. Description of the Program/activity/event	<p>The 39th Annual IAPT National Convention at Goa University gathered teachers, researchers, and students to explore innovations in teaching, research, and emerging areas such as Quantum Science, Space Research, and Physics Education. The inaugural function was graced by the Hon'ble Minister for Water Resources, Cooperation & Provedoria, Shri Subhash Shirodker, as the Chief Guest. The event featured inaugural addresses, release of publications, and National award presentations. Key highlights included Prof. A. J. Kembhavi's keynote on AI/ML in astronomy, parallel research sessions, and invited talks by Prof. P. C. Deshmukh and Dr. J. C. Kapoor. The convention also included a visit to NIO, Oral and poster sessions, NCIEP competitions, and Prof. H. C. Verma's session on Physics Puzzles. A panel discussion and valedictory ceremony concluded the successful event.</p>

	<p>3) Empowered students winners of NOPS, NAEST, and NCIEP competitions, offering national recognition and skill enhancement.</p> <p>4) Facilitated networking and collaboration among teachers, researchers, and students across India.</p> <p>5) Inspired innovation through demonstrations of creative experiments and new pedagogical tools.</p> <p>6) Offered hands-on exposure through the visit to NIO and its advanced instrumentation.</p> <p>7) Motivated excellence through awards and recognition, reinforcing IAPT's national mission.</p>
13. Enclosures with report	Brochure, Photos and scanned copies of attendance attached

R Dessai

Name of coordinator: Dr. Reshma Raut Dessai

Designation: Assistant Professor

R. V. Pai

Dean of SPAS: Prof. Ramesh V Pai

Seal of the School



Glimpses of 39th National IAPT Convention 2025



IAPT Convention Group Photo



Inauguration by lighting Lamp by Chief Guest Shri Subhash Shirodkar



Release of book on “A Peep into Quantum Wonderland”



National Project competition on Innovative Experiments

**39th ANNUAL CONVENTION OF IAPT 2025 GOA UNIVERSITY
LOCAL DELEGATES FROM Goa.**

Sr No.	EMAIL ID	NAME OF PARTICIPANTS	ADDRESS	MOBILE NUMBER	ATTENDANCE (KIT)	Souvenir SOUVINEER
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141	2deepa3u@gmail.com	Ms Deepa.U	Our Lady of The Rosary higher Secondary school	9421246292	<i>[Signature]</i>	Given
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✓185	46	avkbits@goa.bits-pilani.ac.in	Pro f.	Arun V Kulkarni	BITS- Pilani, KKB - Goa Campus	9370575231		Given
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IAPT GOA

194	51	M	MRUGA	TALIGOA GOA		mpd	Given
		RS	DABHOLKAR				
194	52	Mrs	Ninoshka Rihela		7448029818	AB.	Given
			Rodrigues				
195	53	Mr.	Roger Cajetan	st xavier h.s.s mapusa Goa	9860323817	the m...	Given
196	54	Mr.	Andrew Ferrao	Harmal Panchakroshi HSS	9822483319	Amal	Given
			Naik	Harmal- Goa			
	55		Globus.			Kit is given	Given
	56						
197	57	★ MS.	Sowisha D. Grad	P. E-S'S. S. R-S. N. H-S.S.	9765790579	SK	(From Regist.)
			Kerkar	Farmagudi - Goa			
199	58	★ Ms	Annapurna Shanta-	R.N.M. Government Higher	9764764864	Am	
			ppa Meti	secondary Vasco			
	59						
199	60	Kit Given Ms	Diksha R. Vishal	D.M's PVS SM Kushe Higher	7796446696	Dishal	Paid Dishal
				Secondary School			
	61	Kit Given	G.V. Kelkar	Old Goa.	9421239	776	Given
209	62		Mandakini G.S.	P.E.S.R.S.N. College		Cash paid 2000/-	
			Kundarikar	Ponda Goa	8329975	24x	Given
	63						
	64		Colit Naik	M.E.S. HSS Ziraingim	199 8207304186	Paid	Paid
	65		Monis Almeida	Rosary HSS Navelim	9673108951	pld	paid.
	66		Narayan Vetrakar	School of Physical and Applied Sciences (SPAS) Goa University	9423211264	Chikas	
	67		Aniket Gaonkar	School of Physical and Applied Sciences (SPAS) Goa University			
	68		Sandeep Gawat				
	69						
	70						

51		MR S	MRUGA DABHOLKAR	TALIGOA GOA			
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39th ANNUAL NATIONAL CONVENTION OF IAPT 2025

5th TO 7th OCTOBER 2025

sr no.	Salutation	Name	University/College/Institute/Company affiliation	Mobile number	sign	souvineer & Certificate
1	Dr.	Sanjay Kr Sharma	D.B.S. (PG) College Kanpur	94154 04969	<i>SK</i>	<i>SK</i>
2	Prof	Y K Vijay	IIS deemed to be University, Jaipur	9461302757	<i>given</i>	<i>given</i>
3	Mr.	ANIL KUMAR VERMA	DELHI PUBLIC SCHOOL	9811114707	<i>AV</i>	<i>AV</i>
4	Prof	V Madhurima	Central University of Tamil Nadu	9444467728	<i>hach</i>	<i>hach</i>
5	Prof	Suresh Baburao Shinde	S B Z Mahavidyalay Barsi Dist Solapur	8459209949	<i>SB</i>	<i>SB</i>
6	Dr.	Bhakti Parag Rajvaidya	G H Raison College of Engineering Nagpur	9763716050	<i>B.P.</i>	
7	Dr.	BHAKTI PARAG RAJVAIDYA	G H Raison College of Engineering, Nagpur	9763716050	<i>B.P.</i>	
19	Dr.	Rekha Patel	Sardar Patel University	6359540859		<i>Rekha</i>
22	Prof	Vinodkumar P.C.	CHARUSAT	9909315440	<i>VP</i>	<i>VP</i>
203	Prof	Shyamkant Wasudeorao Anwane	SSEA's SCIENCE COLLEGE, NAGPUR	9422122711	<i>Shyamkant</i>	
7	Prof	M L Ogalapurkar	Garware college Pune	9922916343	<i>✓</i>	<i>M L Ogalapurkar</i>
8	Dr.	Dr Punit H Suthar	Shri R K Parikh Arts and Science College, Petlad	9427383844		<i>Punit</i>
20	Prof	K SUBRAMANIAN	Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore-641020, Tamilnadu	+91 98866 73754	<i>Subramanian</i>	<i>Sub</i>
21	Prof	K. N. Joshipura	Retired from, Sardar Patel University, Vallabh Vidyanagar Gujarat	09825318897		<i>KN</i>
9	Dr.	Tanuj Gupta	Institute of Technology, Nirma University	9510370990	<i>Tanuj</i>	<i>Tanuj</i>
10	Dr.	Udayanandan K M	NAS College	9495147570	<i>Udayanandan</i>	
11	Mr	Vinod Kumar Prajapati	IAPT	9935432990	<i>Vinod</i>	
12	Prof	DATIR ASHOK MARUTI	Agasti Arts, Commerce and Dadasaheb Rupwate Science College, Akole, Dist. Ahilyanagar	9420945628	<i>Datir</i>	<i>Datir</i>
13	Prof	Bharat Uddhavrao Kangude	PDEAs Anantrao Pawar College Pirangut Pune Maharashtra	9890106937	<i>BK</i>	
14	Dr.	RAJENDRA SHIVAJI NIMBALKAR	A A College, Manchar Dist Pune	8888093200	<i>Rajendra</i>	<i>Rajendra</i>
23	Dr.	Sundarrao Fakira Dhakane	Shri Swamisamarth Institute of Managment and Technology Malwadi Bota Tal Sangamner Dist Ahilyanagar	9421038332	<i>Sundarrao</i>	<i>Sundarrao</i>
24	Prof	Satish Ekar	B G College, Pune	09284456600	<i>Satish</i>	<i>Satish</i>
15	Dr.	Popat Savaleram Tambade	Prof. Ramkrishna More Arts, Commerce and Science College, Akurdi, Pune	8605529031		
25	Mr.	MAULESHKUMAR DAHYABHAI VALA	Government Science College, Idar	9904821312	<i>Maulesh</i>	<i>Maulesh</i>
26	Prof	Sachinkumar Sumatilal Shah	PDEA's Waghire College Saswad	8793898395	<i>Sachin</i>	<i>Sachin</i>
27	Prof	DR. L.D.JADHAV	Rajaram College, Vidyanagar, Kolhapur	9890694409	<i>LD</i>	

16	27	Dr.	UTTAM SAKHAHARI KAKADE	Government College of Engineering Ratnagiri	09011286723		
17	28	Mr.	Karthikeyan Subbu	SVKM Mithibai college	9221335099		
18	29	Pro f	Bhatt Anil Narottam	Veer Narmad South Gujarat University, Surat	9879067415		
28	30	Pro f	Prof. PK AHLUWALIA	IAPT	9805076451		
29	31	Dr.	UTTAM SAKHAHARI KAKADE	GOVERNMENT COLLEGE OF ENGINEERING RATNAGIRI	09011286723		
30	32	Dr.	Govinda Vinod Lakhotiya	Dharampeth M.P. Deo Memorial Science College, RTM Nagpur University, Nagpur	9579194076	GL	
31	33	Dr.	Madhusudan Ch	Government College, Siddipet (A), Telangana	9989138241		
32	34	Mr.	Jaydeep Trivedi	Government Polytechnic Jamnagar	9662057106		
33	35	Ms.	Ansha Turlapati	Greenwood High International School	9108157429		
34	36	Dr.	Nagaraju P	The National College - Autonomous, Jayanagar, Bengaluru	7019976835		
35	37	Dr.	Dr. Jamadade Vinayak Shivajirao	D. P. Bhosale College, Koregaon, Dist-Satara (Maharashtra)	9503660762		
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37	39	Dr.	CHINMOY KUMAR GHOSH	Ramakrishna Mission Residential College	9999851481		
38	40	Dr.	Pruthul Ramesh Desai	Sir P T Sarvajani College of Science	9426854713		
39	41	Dr.	Arvind Bajaj	V S Patel College of Arts and Science	93767 25460		
40	42	Dr.	Sapna Sharma	St. Bede's College, Shimla.H.P.	9418495919		
41	43	Dr.	Sudam Mane	Ex Principal,	07447504875		
42	44	Mr.	Mahesh Shetti	Wilson College, Mumbai	9167209329		
43	45	Pro f	Sarmistha Sahu	Maharani Lakshmi Ammanni Autonomous College	9448437747		
44	46	Dr.	Geetha R S	Vijaya College, Bengaluru	9449930024		
45	47	Dr.	RATI KANTA BERA	ACC WING, INDIAN MILITARY ACADEMY DEHRADUN, MINISTRY OF DEFENCE	9523227639		
46	48	Pro f	Deepak Gadani	Department of Physics, Gujarat University, Ahmedabad	9879005755		
47	49	Dr.	VIBHAV KUMAR SARASWAT	INDIAN MILITARY ACADEMY, DEHRADUN, INDIA	9829485487		
48	50	Dr.	RATI KANTA BERA	ACC WING, INDIAN MILITARY ACADEMY DEHRADUN, MINISTRY OF DEFENCE	9		
49	51	Dr.	Manoj Kumar Srivastava	Army Cadet College, IMA, Dehradun	9410704794		
50	52	Dr.	Prashant Thapliyal	Army Cadet College Indian Military Academy Dehradun Uttarakhand PIN 248007	9411730238		
51	53	Pro f	Shivanand Masti	Department of Physics Dr. Ghali College, Gadchिंगल	9604970617		
52	54	Mr.	Trivedi Jaydeep	Government Polytechnic Jamnagar	9662057109		
53	55	Dr.	Zakir Khan Salam Khan	SGB Amravati University	9021131100		

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91	Ms.	Ayeesha S K	Agastya international foundation.	9346585339	✓	Ani	
92	Mr.	Sasidhar chilakapati	Vidya matrix institute,hyderabad	09912924137	✓	Chandrab	
93	Pro f	VIJAY A SINGH	PHYSICS DEPT CEBS MUMBAI	9867050450	✓	Sharma	Sharma
94	Pro f	Manmohan Singh Marwaha	College	8847211589		Sharma	Sharma
95	Dr.	Samiksha V. Malik	Govt. College of Arts, Science and Commerce, Quepem-Goa.	8806763617		Sharma	Sharma
96	Pro f	Sundar Singh	Bareilly College Bareilly	9411469145			
97	Dr.	Santosh Babu Gunda	NISER, JATNI, near Bhubaneswar	9078000319			
98	Dr.	Dr. RAGHUNATH GOPINATH VIDHATE	ANANDRAO DHONDE ALIAS BABAJI MAHAVIDYALAYA, KADA TAL. ASHTI DIST. BEED. 414202	09422930120	✓	Sharma	Sharma
99	Mr.	Shivaji Shankarrao Raut	Mrs. K.S.K. College Beed 431122 Maharashtra	9960496945	✓	Sharma	
100	Pro f	DEVESH KUMAR TYAGI	D A V P. G. COLLEGE MUZAFFARNAGAR UP 251001	9412807541		P	
101	Mr.	Harsh Tekawade	Fergusson college pune	9890456298	✓	Sharma	
102	Dr.	Shailendra J. Shukla	Deogiri Collge, Chhatrapati Sambhajinagar	9423456423	✓	Sharma	
103	Mr.	Rahul Ganesh Pandit	Department of Physics, Deogiri College, Chhatrapati Sambhajinagar	9764202071	✓	Sharma	
104	Dr.	Waghule Namdeo Nivrutti	Bhagwan Mahavidyalaya Ashti dist Beed Ma	09421349085	✓	Sharma	
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106	Dr.	Waghule Namdeo Nivrutti	Bhagwan Mahavidyalaya Ashti dist Beed Ma	09421349085	✓	Sharma	
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108	Dr.	Sandip Kadubal Fasate	Vinayakrao Patil Mahavidyalay, Vijapur Dist. Chhatrapati Sambhajinagar	9226784053	✓	Sharma	
109	Pro f	K. M. Jadhav	MGM University, Chhatrapati Sambhajinagar	9422686061	✓	Sharma	
110	Dr.	Dilip Ramnath Sapate	Sant Ramdas Arts, Commerce and Science College Ghansawangi, Dist-Jalna	9404628177	✓	Sharma	
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114	Dr.	Vishal Desai	SIES College of Arts, Science and Commerce (EMPOWERED AUTONOMOUS), Sion (W), Mumbai-400022	9892742493	✓	Sharma	
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116	Pro f	Dr. K. S. Sharma	IIS(Deemed to be University) Jaipur	9783300015	✓	Sharma	

117	Dr.	Dr Mahantappa S Jograd	Former Principal SB College of Science Kalaburagi 585 103 Karnataka/ Former Coordinator Dept of Physics Karanataka State Womens University Vijayapur	9880971208		
118	Prof	Dr M S Jograd	Former Professor and Principal SB College of Science Kalaburagi 585 103, Karnataka	9880971208		
119	Mr.	YOGESH BHATNAGAR	IAPT RC6	9414406609		
120	Dr.	Vijay P Kothavale	Bhogawati College, Kurukali.	9960233229		
121	Dr.	Chidanand M. Kanamadi	Devchand College, Arjunnagar (Nipani)	8806599144		
122	Prof	SACHIN Jagadeo PAWAR	Shri Vijaysinha Yadav College, Peth Vadgaon, Dist. Kolhapur	07020305351		
123	Prof	Pradip Kumar Dubey	PMB GUJARATI SC College Indore	9425059796		
124	Dr.	Sariraj Hisamuddin Mujawar	Yashayantrao Chavan Institute of Science, Satara, Maharashtra, Indian.	9921110811		
125	Mr.	Sarthak Vishwakarma	Hindu College, University of Delhi	9453267465		
126	Mr.	Pushkar Khattar	Hindu College, University of Delhi	8800497879		
127	Mr.	Yash Srivastava	Hindu College, University of Delhi	7897202419		
128	Mr.	Mitanshu Arora	Hindu College, University of Delhi	8377830424		
129	Dr.	GAJANAN BALGOUNDA PATIL	Secondary School & Jr. College, Bhilawadi, Maharashtra	9420591726		
130	Dr.	S K Joshi	Government PG Arts and Science College Ratlam	09893084286		
131	Dr.	Vinod Kumar Gupta	Government Girls' P.G.College Ujjain	9425915962		
132	Prof	Veryam Singh Gulati	Khalsa College, Amritsar	9872036728		
133	Dr.	Nagaraju P	The National College- Autonomous, Bengaluru	7019976835		
134	Dr.	Anirvan Gupta	JSPM University Pune	9924399945		
135	Dr.	Surbhi, Sharma	Kanya Maha Vidyalaya, Jalandhar	9988359752		
136	Ms.	Aisha Gupta	ANDC, CEPS, GGSIPU	+91 8368192870		
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138	Mr.	Roger Cajetan Andrew Perzo	St. Xavier's Higher Secondary School	9850323817		
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140	Mr.	RAMA KANT TEWARI	HMDAV SSS, Darya Ganj, New Delhi 110002	9911136586		
141	Prof	Manish K. Kashyap	Jawaharlal Nehru University, New Delhi	9467210306		
142	Ms.	Priya Ranjan	Acharya Narendra dev college, university of Delhi	7766848994		
143	Mr.	Priyanshu Gupta	Acharya Narendra Dev College, University of Delhi	7275794780		
144	Ms.	Sapna Verma	Govt College Kullu (H.P)	7018834732		

56	Mr.	Pravin Prakash Rathod	Government Vidarbha Institute of Science and Humanities Amravati	8879314959	✓	UPP	
57	Dr.	Prasanth P	Government Engineering College, Thrissur	9349999940	✓		
58	Mr.	VISHNUDAS KALIDAS BHOSLE	SANT GADAGE BABA AMRAVATI UNIVERSIT AMRAVATI	09545833806	✓		
59	Dr.	Shanthala V.S.	The Oxford College of Engineering, Bangalore	9880820145			
60	Dr.	Runima Baishya	Pragiyotish College, Guwahati, Assam	8135847815	✓	Runima Baishya	
61	Dr.	Bandana Das	Pandu College	9401568884	✓		
62	Dr.	Chetan Limbachiya	The Maharaja Sayajirao University of Baroda	9824058280	✓		
63	Mr.	Nilesh Patel	The Riverside School	9662162050	✓		
64	Dr.	D.C. Gupta	DBS College, Kanpur	9839035685	✓		
65	Mr.	Nilesh Patel	The Riverside School	9662162050	✓		
66	Mr.	N MAHENDRA REDDY	Acharya Nagarjuna University	08008158628	✓		
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89	Dr.	Kuldeep Kumar Sharma	National Institute of Technology Hamirpur	9418780275	✓		

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ANNUAL NATIONAL CONVENTION OF INDIAN ASSOCIATION OF PHYSICS TEACHERS - 2025

4th to 7th October, 2025



Venue: Goa University

Organized by IAPT Goa RC - 21 and School of Physical and Applied Sciences Goa University

About the Convention

National Convention of Physics Teachers brings together educators, researchers, and innovators from across the country to explore new trends, challenges and opportunities in Physics teaching.

THEMES AND SUB THEMES



Empowering Physics Education

Quantum Science & Technology

- Quantum Computing
- Quantum Materials and Devices
- Quantum Simulation
- Quantum Optics & Photonics

Space Research Achievements

- Indian Space Mission
- Satellite Technology
- Indian astronomical observatories
- Astronomy public outreach

Physics Education Research

- Learning Physics through outreach
- Technology in Physics Education
- Pedagogical learning in Physics
- Use of AI in Physics Education

Challenges in Physics Education

- Laboratory infrastructure
- Diversity and inclusion
- Research & innovation in Physics
- Integrated & Holistic education

Email to submit abstract : iaptgoarc@gmail.com



Highlights

- Eminent Talks
- Project Exhibition
- Awards
- Pre Convention Workshops
- Poster Presentations
- Oral Presentations
- Networking
- Visit to CSIR-NIO
- River Cruz

Registration Details

IAPT Members and participants

- A - Participation:** Rs. 2500/-
(Includes: Kit, Lunch, convention Dinner)
- B - Participation:** Rs. 6500/-
(Includes: A + 4 nights sharing accommodation, breakfast, dinners)
- C - Accompanying person:** Rs. 4500/-
(4 nights sharing accommodation, breakfast, lunch and dinner)
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- D - Industries:** Rs. 6000/- (Includes: A)
- E - Sponsor:** Rs. 25000/-
(Includes: A + Logo display)
- F - Sponsor:** Rs. 50000/-
(Includes: A + Logo display + Stall)

Contact Information

Email: iaptgoarc@gmail.com
reshma@unigoa.ac.in

Preconvention workshop

4th October 2025

- Navigating the Quantum Frontiers: A Hands on Path from Qubits to Qiskit
- Enthralling experiments in Physics
- Hands-on Workshop on Building Models of ASTROSAT and Spectrograph
- Hands-on Virtual Tools for Learning Quantum Mechanics

Venue: SPAS, Goa University

Name: INDIAN ASSOCIATION OF PHYSICS TEACHERS RC 21

A/C Number: 100710200017630

IFSC Code: BKID0001007

Bank Name: Bank of India, Panaji



Registration

Registration Form Link

<https://forms.gle/GAJL155tRb7neyzXA>

Deadline for online Registration: 12th September 2025

About IAPT

Indian Association of Physics Teachers (IAPT) was established in the year 1984 by late Dr. D.P. Khandwal. It has grown since then with over 10,000 members. Which includes educators, researchers and students worldwide, working to improve physics teaching. Builds a vibrant network of passionate physics enthusiasts. It runs Scientific Culture Centers for graduate, postgraduate projects, research in physics education, organizes national exams in Physics, Chemistry, Biology, Astronomy, Junior Science and the Graduate Physics Examination across India.

IAPT Goa RC came into existence in 1999. It actively promotes quality Physics Education in the region through workshops, teacher training programs, student enrichment activities, and Science outreach.

About Goa University

Goa University, established on 1985, is located on the scenic Taleigao Plateau and offers a range of graduate and postgraduate programs across various disciplines including Konkani, Portuguese, Marine Sciences, Data Science, and AI. It has adopted the NEP-2020 policy, offering flexible degree options with multiple entry and exit points through the Academic Bank of Credits. The university is home to ten schools formed from traditional departments, offering a range of undergraduate, master's, and Ph.D. programs, as well as certificate and diploma courses.

SPAS: School of Physical and Applied Sciences, formed by merging Physics, Mathematics, and Electronics departments. Also offers interdisciplinary M.Sc. Biophysics, Computational Physics. The departments are well-funded by DST, UGC, and other national agencies, supporting advanced teaching and research.

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