

Annual Report
for Academic Year
2023-24

Department of Physics
Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE
NAGPUR

S. S. E. S. AMRAVTI'S SCIENCE COLLEGE, NAGPUR

Annual Report for the Session 2023-24

Department of Physics

Year of Establishment: UG: 1960, PG: 2011-12, CoC: 2013-14, Ph. D /Lab Recognition: 2014-15, 2020-21

1. No of Certificate / Diploma / Advanced Diploma / PG Diploma Courses run by Departments: 00
2. Total Number of students

UG		PG		Ph. D.	Others	
B.SC. I	98	M.Sc. I	07	02		
B.SC. II	110	M.Sc. II	10			
B.SC. III	123	MCA-I				
BCA I		MCA-II				
BCA II		-				
BCA III		-				
Total	438	Total	17		02	

3. Faculty profile of Regular / Permanent Teaching Staff with name, qualification, designation.

Name	Highest Qualification	Designation	Teaching Experience
1. Prof. S. W. Anwane	Ph.D.	Professor	25 Yrs
2. Dr R N Pathare	Ph.D.	Assistant Professor	18 Yrs
3. Dr S V Khangar	Ph.D.	Assistant Professor	05 Yrs
4. Mr B T Kumbhare	M.Sc.,SET	Assistant Professor	05 Yrs
5. Dr S K Sayyad	Ph.D.	Assistant Professor	05 Yrs
6. Dr. G. L. Jadhav	Ph.D.	Assistant Professor	05 Yrs

4. Faculty profile of Ad-hoc / Contributory Teaching Staff with name, qualification.

Name	Highest Qualification	Designation	Teaching Experience
1. Ms Swapnil Belkhude	M. Sc. SET	Assistant Professor (Ad-hoc)	02 Yrs
2. Ms Kanchan Jiwnapurkar	M.Sc.	Assistant Professor (Ad-hoc)	02 Yrs
3. Ms Chanda Jatgade	M.Sc.	Assistant Professor (Ad-hoc)	02 Yr
4. Mr. Sarang Daf	M.Sc.	Assistant Professor (CHB)	8 Yrs
5. Yograj Choudhary	M.Sc.	Assistant Professor (CHB)	06 Yrs
6. Manish Dhawle	M.Sc.	Assistant Professor (CHB)	03 Yrs

5. Details of Administrative and Technical staff

Sr No	Name of the staff	Designation	Permanent /Temporary/ Daily-wages
1	D.S.Wankhade	Lab.Assistant	Permanent
2	D.G.Fuke	Lab.Attent	Permanent
3	Roshan Naik	Attendant	Daily Wages
4	Nikhil Bhurse	Attendant	Daily Wages

6. Faculty recognized as a Supervisor / No of Students Registered

Sr. No	Name of the Supervisor	No of Students Registered	Whether Ph. D. Awarded
1	Dr S W Anwane	01	02*
2	Dr R N Pathare	01	-

*Mrs Ruhi Naz- *Understanding of oxy-ion conductivity of $La_{2-x}A_xMo_{2-y}ByO_{9-5}$ system: in view of electrolyte for IT-SOFCs* (Registered on 12-01-2017 and thesis **submitted** on 30-8-2021, **Viva Voce** on 17-4-2023, **AWARDED** doctorate vide Notification No.:RTMNU/Ph.D.(Cell)/01/660 dated 04-05-2023).

7. Results of the RTM Nagpur university examinations Winter -2023

Class	Total No of Students admitted	Appeared	Passed	Fail	Distinction	Pass %
B.SC. Sem- I	98	98	59	39	05	60.02
B.SC. Sem-III	110	110	85	25	12	77.27%
B.SC. Sem-V	123	120	100	20	20	83.33%
M. Sc. Sem-I	07	07	01	06		14.00%
M. Sc. Sem-III	10	10	04	06		40.00%

8. Results of the RTM Nagpur university examinations Summer 2024

Till writing this report on 20th May 2024 the examinations were in process and results are out of question.

Class	Total No of Students admitted	Appeared	Passed	Fail	Distinction	Pass %
B.SC. Sem- II						
B.SC. Sem-IV						
B.SC. Sem-VI						
M. Sc. Sem-II						
M. Sc. Sem-IV						

9. Awards / Recognition's (Merits, Gold Medal, Silver Medal etc.) received by students:

Sr. No.	Name of the Students	Class	Title
1	Ms. Aishwarya	B. Sc. SEM IV	secured 2nd position in

	Mendwade		Inter University student seminar competition organized by Vidharbha University's Physics Teacher's Association (VUPTA) in Government Science College, Gadchiroli on 24 - 25 Feb'24
2	Ms. Anushka Palandurkar	B. Sc. SEM-IV	secured 1st position in elocution competition organized by VUPTA -2024
3	Ms. Divyani Daware	B. Sc. SEM-II	secured 3rd position in VUPTA students seminar competition -2024
4	Ms. Sneha Sharma	B. Sc. SEM-VI	bagged consolation prize in VUPTA students seminar competition
5	Mr. Kshitij Gupta student	B. Sc. SEM IV	bagged 3rd Prize- Certificate and Cash prize of 500/- in Late Smt. Shantabai Shekdar Intercollegiate Seminar Competition organized by LAD & smt.R.P. College, Shankar Nagar, Nagpur.
6	Ms. Anushka Palandurkar	B. Sc. SEM IV	secured first prize, "cash Prize of 1000/-, Gold medal and certificate of excellence" in 'State level Seminar competition in Physical sciences' organized by Mathuradas Mohata College of Science Nagpur
7	Mr. Yugansh Kanoje	B. Sc. SEM II	Yugansh's Project work is shortlisted in the first 30 students for the representation of Dept of Physics Shri Shivaji Science College- Nagpur in Science Expo and Innovation Fest, arranged by Raman Science Centre and Planetarium, Nagpur during 19 to 23 December 2023. He is facilitated at the hands of Dr P K Gupta, Scientist, Regional Director, Atomic Minerals Division, Nagpur.
8	Mr. Yugansh Kanoje	B. Sc. SEM II	Selected in Top 10 in National Photo Essay Competition in Physics As a part of the celebration of National Science Day, organized by Bajaj College of Science in collaboration with Sub Regional

			Council 08-E (Vidarbha) region of Indian Association of Physics Teachers (IAPT)
9	Mr. Shrivatsa Pitale	B. Sc. SEM VI	He has been placed among Center Top 10% in National Graduate Physics Examination (NGPE) -2024 organized by IAPT
10			

10. Awards / Recognition received by faculty:

Name of the Faculty	Details of the awards/ recognitions	International / National / State / University/ Dist/ College Level	Year
Dr S W Anwane	Nominated on the Board of MAPLE Ambassador for SAARC	Waterloo Maple Inc for STEM Education	

11. Faculty participation in conferences/seminar/workshop and symposium:

A.

Name of the Faculty	Title of Conference/ Seminar/ workshop Attended	Period	Level International/ National/ State /University /College	Whether Presented papers	Whether abstract /paper published in Souvenir/Abstract Book
S W Anwane	Understanding General Relativity with Maple's Visualizations: Equations and Tensors Simplified https://www.youtube.com/watch?v=bW_SJTT_Wj0&t=1071s	29-4-24	National	Delivered a webinar	
S W Anwane	Organized One Day National Seminar in Online mode on Life and Work of S N Bose which is a joint venture of IAPT Sub Regional Council of Maharashtra (VIDARBHA) SEC-08 E and Department of Physics, SSES's SCIENCE COLLEGE, Nagpur wherein				

	resource persons were Prof Sreerup Raichaudhuri (TIFR-Mumbai), Prof Rajinder Moudgil (Kurukshetra University) and Prof P K Ahluwalia (Himachal Pradesh University). About 100 students and teachers participated in this Seminar. 27 January 2024. (i) https://www.youtube.com/watch?v=Fj0Lf0pkFeg&t=23s (ii) https://www.youtube.com/watch?v=SbdHTwbpk50&t=2224s				
S W Anwane	Participated in TWO DAYs IAPT Maharashtra State Convention 2024 and Conference on Physics Education under NEP 2020 Organized by at PDEA's Anantrao Pawar College, Pirangut, Pune.	13-14 Jan 2024	State Level	No	
S W Anwane	37th Indian Association of Physics Teachers (IAPT) Conclave Organized by Jaipur National University in asso- ciation with IAPT at Jaipur-Rajasthan.	(7-10 October 2023)	National	Yes Delivered talk on “ <i>Special Relativity using Perplex Numbers</i> ” at the	Shri Shivaji Education Society Amravati's SCIENCE COLLEGE Nagpur
S W Anwane	at the 2nd National Seminar on Discovery and Detection of Gravitational Waves Organized by Jaipur National University in association with Indian Association of Physics Teachers (IAPT).	15/9/2023	National	Yes Delivered Lecture on “Estimation of the Lagrange Point L1 in Sun-Earth system”	Shri Shivaji Education Society Amravati's SCIENCE COLLEGE Nagpur
S W Anwane	Participated in ONE DAY National Symposium on NEP - A Globle Perspective for HEI Organized by MANTHAN - For Academia.	16/12/2023	National	No	
R N Pathare	International Conference on Advanced Sustainable Futuristic Materials organized by Kamla Nehru Mahavidyalaya, Nagpur, Sharda University, Greater Noida, and CSIR-National Environmental Engineering	26,27 May 2024	Internation al	Review on Electrospinning for photoluminescent polymers fibres.	

	Research Institute (CSIR-NEERI), Nagpur				
R N Pathare	Workshop on Basic Concepts in Physics For B Sc I Sem student at Santaji Mahavidyala Nagpur	3rd Feb 2024	National	Guest Lecture	
R N Pathare	Training Program on Computer-Interfaced Science Experiments using ExpEYES conducted by Inter-University Accelerator center, New Delhi	6-11 May 2024			
B. T. Kumbhare	International Conference on Advanced Sustainable Futuristic Materials organized by Kamla Nehru Mahavidyalaya, Nagpur, Sharda University, Greater Noida, and CSIR-National Environmental Engineering Research Institute (CSIR-NEERI), Nagpur	26-27, April 2024	International		
B. T. Kumbhare	One Week Online National Level FDP on Advanced Materials & Quantum Technology organized by Department of Applied Physics, YCCE, Nagpur	4-9 Dec, 2023	National		
Dr G. L. Jadhav	International Symposium on Intellectual property Rights 2024	26th April to 27th April 2024	International		
Dr. G. L. Jadhav	Organized One Day National Seminar in Online mode on Life and Work of S N Bose which is a joint venture of IAPT Sub Regional Council of Maharashtra (VIDARBHA) SEC-08 E and Department of Physics, SSES's SCIENCE COLLEGE, Nagpur wherein resource persons were Prof Sreerup Raichaudhuri (TIFR-Mumbai), Prof Rajinder Moudgil (Kurukshetra University) and Prof P K Ahluwalia (Himachal Pradesh University). About 100 students and teachers participated in this Seminar. 27 January 2024.				
Dr. S. K. Sayyad	International Conference on Advanced Sustainable Futuristic Materials organized by Kamla Nehru	26-27, April 2024	International	Yes Poster Presentation	

	Mahavidyalaya, Nagpur, Sharda University, Greater Noida, and CSIR-National Environmental Engineering Research Institute (CSIR-NEERI), Nagpur				
Dr. S. K. Sayyad	Online Short term faculty development programme for CAS on “ Emotional Intelligence for teacher in Higher Education” organized by Career Katta and UGC Malaviya Mission Teacher Training Centre SGBAU	16-25 November 2023			
Dr. S. V. Khangar	International Conference on Advanced Sustainable Futuristic Materials organized by Kamla Nehru Mahavidyalaya, Nagpur, Sharda University, Greater Noida, and CSIR-National Environmental Engineering Research Institute (CSIR-NEERI), Nagpur	26-27, April 2024	International	Yes, Oral Presentation	Yes, Abstract
Dr. S. V. Khangar	Role:- Organizer: Physics- Society Convener- Organized One Day National Seminar as a Physics Society convener in Online mode on Life and Work of S N Bose which is a joint venture of IAPT Sub Regional Council of Maharashtra (VIDARBHA) SEC-08 E and Department of Physics, SSES's SCIENCE COLLEGE, Nagpur wherein resource persons were Prof Sreerup Raichaudhuri (TIFR-Mumbai), Prof Rajinder Moudgil (Kurukshetra University) and Prof P K Ahluwalia (Himachal Pradesh University). About 100 students and teachers participated in this Seminar. 27 January 2024.				
Dr. S. V. Khangar	Organized One Day Workshop on OJT				
Dr. S. V. Khangar	Attended Online Two week Refresher Course in Physics organized by Teaching Learning Centre Ramanujan College, University of Delhi (Accredited Grade 'A++' by NAAC) under the aegis of Malaviya Mission Teacher Training Programme from (30/03/2024 to 12/04/2024)				
Dr. S. V. Khangar	12 week NPTEL online certification course in Nuclear and Particle Physics Duration: July-October 2023				

12. Details of Major / Minor Projects and Research funds sanctioned and received from various funding agencies, industry and other organizations

Name of the Faculty	Major/ Minor Any other (Specify)	Duration From -To	Funding Agency	Grant sanctioned	Grant Received	Whether Completed/ Ongoing
Dr.D.K. Burghate	Major	2012-2015	UGC	11,42,800	11,42,800	Completed
Dr.S.B.Kondawar	Major	2008-2011	UGC	8,19,300	8,19,300	Completed
Dr.H.K.Dahule	Minor	2010-2012	UGC	1,20,000	1,20,000	Completed
Dr S W Anwane	Minor	2009-2011	UGC	1,55,000	1,55,000	Completed
Dr S S Darokar	Minor	2009-2011	UGC	1,65,000	1,37,500	Completed
Dr S W Anwane	CoC	2013-2018	UGC	9,00,000	9,00,000	Completed
Dr Shahin K Sayyad	Minor	2024-26	RTMNU RPS	2,00,000	Yet to received	On going

13. No of research publications:

Name of the Faculty	Peer Review Journals			Non-Peer Review Journals			Conference proceedings		
	International	National	Other	International	National	Other	International	National	Other
Dr S W Anwane	25	00	00	00	01	00	00	00	00
Dr R N Pathare	13	00	00	00	00	00	10	00	00
Dr S K Sayyad	15	00	00	00	00	00	00	00	00
Dr S V Khangar	14	00	00	00	00	00	00	00	00
Dr G L Jadhav	04	00	00	00	00	00	00	00	00
Mr. B. T. Kumbhare	01	00	00	00	00	00	01	00	00

14. No of research publications listed in International Database (SCOPUS / Google Scholar)

Name of the Faculty	No of research publications in SCOPUS	No of research publications in Google Scholar	Citations	h-index	i10-index
Dr S W Anwane	15	20	91	5	4
Dr R N Pathare	10	13	222	6	6
Dr S K Sayyad	13	15	75	3	1
Dr S V Khangar	04	12	06	1	0
Dr G L Jadhav	02	04	33	2	1
Mr. B T Kumbhare	00	01	18	1	1

15. Details on Impact factor of publications:

Range	Average	h-index	Nos. in SCOPUS
0-2	1	1-6	44

16. Details of publication of Chapter in Book/ Book Edited/ Book Published by the faculty

Name of the Faculty	Chapter in Book	Book Edited	Book Published			Year of Publication
			Title of the Book Published	ISBN/ISSN	Publisher	
Dr G. L. Jadhav	01		Thin Films By Spray Pyrolysis: A versatile Technique	ISBN: 978-81-970491-2-5	Rushi Publication	2024

17. Areas of consultancy and Revenue generated through consultancy

Areas of consultancy	Revenue generated through consultancy before the assessment period	Revenue generated through consultancy during the assessment period
Characterization of Samples	Rs 24,200/-	Rs 25,800/-

18. Conferences/Seminar /workshop/Guest Lect. organized by the Department.

The department celebrated the following academic events to commemorate 125th Birth Anniversary of Dr Panjabrao alias Bhausaheb Deshmukh

- **The department celebrated the following academic events to commemorate 125th Birth Anniversary of Dr Panjabrao alias Bhausaheb Deshmukh**
- **Inauguration of the Physics Society:** On the auspicious day of October 13, 2023, Shri Shivaji Science College-Nagpur celebrated a significant milestone as the Physics Society was officially inaugurated, with dedicated student members assuming key roles as office bearers. The event, conducted in a formal setting, saw the investiture of these student leaders, who took an oath pledging their commitment to the society's ideals.
- **Students Seminar as a part National Science Day Celebration:** The Physics Society at the Department of Physics, Shri Shivaji Education Society's Science College, Nagpur, organized a seminar

on "Raman Spectroscopy" on March 5th, 2024. The seminar was conducted by **Ms. Anushka Palandurkar**, a student of B.Sc. Semester IV, who had previously won a prize in an inter-university contest.

- **VUPTA Seminar at Gadchiroli (24th and 25th, 2024):** The Inter-University student seminar competition, organized by the Vidarbha University's Physics Teacher's Association (VUPTA), took place at Government Science College, Gadchiroli on February 24th and 25th, 2024. Eight students from the Department of Physics at Shivaji Science College, Nagpur, participated in this prestigious event. Among them, the following students received recognition for their outstanding performances:
 - Ms. Divyani Daware (BSc sem 2) secured the 3rd position in the seminar competition.
 - Ms. Aishwarya Mendwade (BSc sem 4) secured the 2nd position in the seminar competition.
 - Ms. Anushka Palandurkar (BSc sem 2) secured the 1st position in the elocution competition.
 - Ms. Sneha Sharma (BSc sem 6) received a consolation prize in the seminar competition.
 - Ms. Riya Faldu and Ms. Anchal Mohurle (MSc sem 4) presented their poster.
 - Mr. Kshitij Gupta (BSc sem 4) presented his poster on the topic "Queen of Flatland of Crystals: Graphene."
- **One Day Workshop on On Job Training (OJT):** The Department of Physics, Shri Shivaji Education Society Amravati's SCIENCE COLLEGE, Nagpur recently organized a one-day workshop (13/02/2024) on **On Job Training (OJT)** in collaboration with V S Informatics Pvt Ltd, Nagpur. The workshop aimed to introduce postgraduate students of M.Sc. Physics, B Sc IIIrd year students, and Physics Society Members to the company's profile and the opportunities available in the fields of PCB designing, Embedded Systems, and IoT (Internet of Things). Mr. Sandeep Sonskar, Director, and Mr. Kunal Khawashi, R&D Engineer, represented the company and delivered insightful talks.
- **Industry Institute Interaction with V S Informatics on 7-2-2024:** The formal interaction with Mr. Kunal Khawashi from V S Informatics, Nagpur was organized to introduce postgraduate students of M.Sc. Physics to the opportunities available for On Job Training (OJT) in PCB designing, Embedded Systems, and IoT (Internet of Things). Additionally, the importance of Industry-Institute interactions, as emphasized by Dr. S W Anwane, was discussed in view of the National Education Policy.
- **Online National Seminar @ Shri Shivaji Science College – concluded to urge IUPAP to re-designate 'h' as the PEB (Planck-Einstein-Bose) constant:** A one-day National Seminar, conducted online, delved into the profound topic of "S N Bose Life & Work," organized by the Indian Association of Physics Teachers Sub Regional Council (SRC) of Maharashtra (Vidarbha) SRC-08 E in collaboration with Shri Shivaji Education Society Amravati's SCIENCE COLLEGE, Congress Nagar, Nagpur on January 27, 2024. Distinguished speakers included (i) Hon'ble Prof. P. K. Ahluwalia, President IAPT, former Professor at Himachal Pradesh University, (ii) Guest of Honor - Prof. Mahendra Dhore, Principal - Shri Shivaji Education Society Amravati's SCIENCE COLLEGE Nagpur, (iii) Prof. Sreerup Raychaudhuri, a renowned Professor of Physics and Dean (Administration) at TIFR Mumbai, (iv) Dr. Rajinder Moudgil, Professor of Condensed Matter Physics from Kurukshetra University, and (v) IAPT President for RC Maharashtra Prof. R. M. Shewale, Ex-Professor of Physics at Dhule. The establishment of the Sub Regional Council for VIDARBHA, SRC-08E, was approved during the meeting of the

Central EC of IAPT on December 10, 2023, following discussions at the 37th National Convention of IAPT in Jaipur from October 8-10, 2023. Dr. R. M. Shewale highlighted the significance of SRC-08E for Vidarbha, Maharashtra. A quiz, prepared in collaboration with Dr. V. Renganayaki & Dr. Uthra Dorairajan from Regional Council of Tamil Nadu & Pondicherry RC-13, marked the end of the seminar. Certificates with quiz scores and participation certificates for the National Seminar on Life and Work of S N Bose were issued to the participants in online mode.

- **Intra College Seminar and Quiz Competition:** The Department of Physics at Shivaji Science College Congress Nagar, Nagpur, organized an impressive Seminar and Quiz Competition on the 16th of October, 2023, with the support of the Physics Society. The first prize in the Seminar Competition was secured by Shradha Raut, a first-year M.Sc. student. The second prize was clinched by Sneha Sharma, a third-year B.Sc. student, and the third prize was awarded to Yugansh Kanoje, a first-year B.Sc. student. In order to motivate the participants, four consolation prizes were also awarded to Shrivats Pitale, Mandar Sulakhe, Ayesha Jabeen, and Soksham Dhok, all of whom exhibited competitive spirit. The Quiz Competition was dominated by the Maxwell Group, comprising students Shreevatsa Pitale (B.Sc. III year), Sneha Sharma (B.Sc. III year), Jatin Karde (B.Sc. I year), and Divyani Daware (B.Sc. II year). The entire event was skillfully coordinated by Mr. Yash Chaube, a second-year M.Sc. student, and office bearers of Physics Society.
- **Resource Person for external activity:** Inauguration of Physics Society and Guest Lecture by Professor S.W. Anwane - The Physics Society of Shri Shivaji Science College, Amravati, was inaugurated with great fervor on 9th September 2023. The event also featured the commencement of the departmental activity AVISHKAR, aimed at providing a platform for students to display innovative projects and prepare for university-level competitions. The inaugural ceremony was graced by the esteemed presence of Dr. G.V. Korpe, the Principal of Shri Shivaji Science College, Dr. W.S. Barde, the Head of the Department of Physics, and Dr. Swapnil Adsad, the Convener of Physics Society, along with all the dedicated faculty members of the Physics department.
- **Yugansh Kanoje** (student of B.Sc. First Year PCG) represented Shri Shivaji Science College-Nagpur in Science Expo and Innovation Fest, arranged by Raman Science Centre and Planetarium, Nagpur during 19 to 23 December 2023. Among more than 200 projects his project entitled "Small Scale Particle Linear Accelerator with Machine Learning & Sound Card Based Detection" has been shortlisted for further presentation.
- **Ms. Anushka Palandurkar**, a fourth-semester B.Sc. student, emerged victorious by clinching the **first prize**, along with a cash prize of 1000/-, a Gold Medal, and a Certificate of Excellence, in the '**State-level Seminar Competition in Physical Sciences.**' The competition was held at Mathuradas Mohata College of Science, Nagpur, on March 7, 2024. Her presentation titled "Experimental Techniques in Physics: Raman Spectroscopy" garnered acclaim and recognition.
- A team of 6 teachers along with 14 boys & 18 girls visited Aryabhata Research Institute of Observational Sciences (ARIES), **Nainital** on 11th March 2024 to explore its cutting-edge research in

observational astronomy and astrophysics, promised an immersive stargazing experience under the pristine night sky.

- The faculty members in the department has contributed two MOOCs courses on UDEMY platform wherein 4000 students are enrolled across the globe. The instructor of the course Prof S W Anwane has gifted free coupons to the students as the Course contents and the RTM Nagpur University syllabus is covered for Semester VI. The following students have submitted certificate of completion in due time.
<https://bit.ly/3Ap9rSn>
- Delivered webinar on “Understanding General Relativity with Maple’s Visualizations: Equations and Tensors Simplified” organized by Binary Semantics Ltd. Bangalore. About 100 individuals attended this Webinar in the capacity of being on Board of MAPLE Ambassador. (29th April 2024)
https://www.youtube.com/watch?v=bW_SJTT_Wj0&t=1071s

19. Academic Activities for students and Faculty members of the Department

Udemy link to click: <https://bit.ly/3wOTC3V>

- Udemy has recently approved and launched the course titled *A Boot Camp to the Special Theory of Relativity* on November 23, 2021. This course caters to both beginners and under-graduate students interested in delving into the subject. The course commences with an exploration of the historical background behind the formulation of the special theory of relativity, culminating in the derivation of Einstein’s iconic equation, $E = mc^2$. It is designed to comprehensively cover the syllabi of various universities, ensuring alignment with the interests of students. Traditional topics integral to the subject are systematically addressed throughout the course. Spanning over **8.5 hours** of video lecture content, the course is divided into four sections comprising a total of **27 lectures**. Each lecture is followed by a quiz to reinforce learning and assess comprehension. Additionally, the final lecture introduces the Relativistic Lagrangian, facilitating a swift transition to the concepts of energy and relativistic momentum. **2371 STUDENTS 4.62 RATING 60 REVIEWS in June 2023**
- Udemy has recently launched the course *A BootCamp to Nuclear Physics*, which went live on May 23, 2022. This course caters to both beginners and undergraduate students enrolled in Physical Sciences and Medical Sciences programs. Featuring a total of **48 lectures** spread across 7 sections, the course offers approximately **10 hours** of video lecture content. Each section is complemented by a quiz to reinforce learning and assess comprehension. Covering a wide range of topics traditionally included in undergraduate programs at universities, participants can expect a comprehensive exploration of nuclear physics. Designed to appeal to physics enthusiasts and individuals with a passion for the subject, this online program provides an excellent opportunity for amateurs and enthusiasts to deepen their understanding and satisfy their curiosity about nuclear physics. **1423 STUDENTS 4.49 RATING 60 REVIEWS in June 2023**

YouTube Channel- a way to reach students at large

S W Anwane:

The You Tube channel <http://bit.ly/37UDXoq> offers about 116 Video Lectures on a variety of topics in Undergraduate Physics. The major playlists are as following:

- Band Theory & Semiconductors [UG Level, 04 Lectures 4.5 hrs]
- Simple Harmonic Motion [UG Level, 3.5 Lectures 6 hrs]
- Complex Numbers [PG Level, 23 Lectures 16 hrs]
- Differential Equations using Maple [Invited Talk in FDP-2020 Webinar, 1.5 hr]
- Black Holes & Complementarity [Invited Talk in National Conference, 1 hr]
- Special Relativity using Perplex Numbers [Research Level, 5 Lectures 1.5 hrs]
- Quantum Mechanics [UG Level, 11 Lectures, 4 hrs]
- Fluid Mechanics [UG Level Engg, 10 Lectures, 5.5 hrs]
- Gravitation [UG Level, 6 Lectures, 2.5 hrs]
- Quantum Mechanics [UG Level, 11 Lectures, 4 hrs]
- Statistical Mechanics [UG Level, 5 Lectures, 5.5 hrs]
- Time Varying Fields [UG Level, 13 Lectures, 4 hrs]
- Electrostatics & Dielectrics [UG Level, 3 Lectures, 3 hrs]
- MAPLE [Cert Course, 7 Lectures, 3.75 hrs]
- Introduction to Black Holes [UG Level, 2 Lectures, 0.5 hr]
- Crystallography [UG Level, 3 Lectures, 0.75 hr]
- Finding L1 of Sun-Earth https://www.youtube.com/watch?v=A8DGE_tDubc&t=652s
- Colinear L Points <https://www.youtube.com/watch?v=3CbubohH7A8&t=1s>
- Exploring Exponential <https://www.youtube.com/watch?v=V7XWYJ3Z36Y&t=24s>
- Euler's Identity <https://www.youtube.com/watch?v=HCP9x5th17E&t=16s>
- Relativistic QM <https://www.youtube.com/watch?v=siUxbFguVzE&t=3651s>
- GR in Maple https://www.youtube.com/watch?v=bW_SJTT_Wj0&t=1071s
-

G L Jadhav:

- Interference of Light (1) <https://youtu.be/XmX12S57pBk>
- Interference of Light (2) <https://youtu.be/VjtYhjoNg3E>
- Interference of Light (3) <https://youtu.be/oyRZTBSNpmY>
- Interference of Light (4) https://youtu.be/_uMFS056ypA
- Interference of Light (5) <https://youtu.be/gDHd-CS2IAA>
- Interference of Light (6) <https://youtu.be/hZ-QmhhVnO4>
- Interference of Light (7) https://youtu.be/yAhzGDD_dc4
- Field Effect Transistor (1) <https://youtu.be/fdhh9aURsRM>
- Field Effect Transistor (2) <https://youtu.be/bzOmac2yivo>
- Field Effect Transistor (3) <https://youtu.be/afhYEGTCpLM>
- Polarization of Light <https://youtu.be/QuTH33peSuo>

Dr. Sugandha V. Khangar (Wagh) -

- Links of YouTube lecture and LMS are given below:
- LMS link for B. Sc. SEM-I & SEM-II: <https://class.ssesa.live/b/mah-0xa-bit-n1p>

- LMS link for B. Sc. SEM-III & SEM-IV: <https://class.ssesa.live/b/mah-skk-vvr>
- B.Sc. SEM-II Laws of thermodynamics – Carnot’s cycle You Tube link: <https://www.youtube.com/watch?v=Elix1XVKU80&t=233s>
- B.Sc. SEM-III “Atmosphere and Geophysics” YouTube links:
 - <https://www.youtube.com/watch?v=IS1Emq5lveo&t=45s>
 - https://www.youtube.com/watch?v=SEYc5l3ZE_g&t=1s
 - https://www.youtube.com/watch?v=_5CqpVONfVQ&t=54s
 - <https://www.youtube.com/watch?v=BHD7JqG8swU&t=55s>
 - <https://www.youtube.com/watch?v=G6sSF1SAVCc&t=5s>
 - <https://www.youtube.com/watch?v=OHj1IcO5MMc&t=50s>
 - <https://www.youtube.com/watch?v=lyVM1lrP1Xs&t=451s>
 - <https://www.youtube.com/watch?v=pUeBi2MZ0MY>
 - <https://www.youtube.com/watch?v=0cuUZ7M1Wtw&t=19s>
 - <https://www.youtube.com/watch?v=fiqw3c7D80o>
- B.Sc. SEM-IV “LASER and OPTICAL FIBER” YouTube links:
 - <https://www.youtube.com/watch?v=rk79l8ykQyw&t=119s>
 - <https://www.youtube.com/watch?v=xLmjAZUsGt8&t=32s>
- B. Sc. SEM-I Experiments YouTube links
 - Modulus of Rigidity:
 - <https://www.youtube.com/watch?v=qqaerRKcEYg&t=9s>
 - Moment of Inertia of fly wheel:
 - <https://www.youtube.com/watch?v=RbZr85SkjOs&t=334s>
- Study of Phase shift oscillator

Dr. S K Sayyad -

- FTIR : <https://youtu.be/GOha8uVvoVg>
- Hydrothermal method: <https://youtu.be/e-Fv94L7gYU>

20. Details on student enrichment programs (special lectures/workshops/seminar) with external experts:

Title/ Topic of the Program	Whether lectures/workshops/seminar /other	Name of the external experts	Details of the external experts	Period of Program
RAMAN SPECTROSCOPY	Students Seminar as a part National Science Day Celebration	Miss. Anushka Palandurkar	B. Sc. SEM-IV students	5/03/2024
On Job Training (OJT)	One Day Workshop	1)Mr. Sandeep Sonskar	Director V S Informatics Pvt Ltd,	13/02/2024

		2) Mr. Kunal Khawashi	Nagpur R&D Engineer V S Informatics Pvt Ltd, Nagpur	
Interaction On Job Training (OJT) in PCB designing, Embedded Systems, and IoT (Internet of Things)	Industry Institute Interaction	Mr. Kunal Khawashi	R&D Engineer V S Informatics Pvt Ltd, Nagpur	7-2-2024
re-designate ' h ' as the PEB (Planck-Einstein-Bose) constant (S N Bose Life & Work)	Online National Seminar	1) Prof. P. K. Ahluwalia 2) Prof. Sreerup Raychaudhuri, 3) Dr. Rajinder Moudgil, 4) Prof. R. M. Shewale	President IAPT, former Professor at Himachal Pradesh University Professor of Physics and Dean (Administration) at TIFR Mumbai Professor of Condensed Matter Physics from Kurukshetra University IAPT President for RC Maharashtra & Ex-Professor of Physics at Dhule	January 27, 2024

		5)Dr. V. Renganayaki & Dr. Uthra Dorairajan	from Regional Council of Tamil Nadu & Pondicherry RC-13	
Intra College Seminar and Quiz Competition	Intra College Seminar and Quiz Competition	Dr. Atul Bobade	Head of the department of Zoology, Shivaji Science College Nagpur	16th of October, 2023

21. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Name of the faculty	Details of participation in co-curricular activities	Details of participation in extracurricular activities	Details of participation in extension activities including institutional social responsibilities	Details with dates and period
Dr S W Anwane	Member of IQAC, Member of Criterion-V (Student Support and Progression)		Coordinator of CPE Programme and Convener of Planning and Follow-Up Action Committee (UGC/CPE/RUSA/ALLOCATION AID MAINTENANCE)	Session 2023-24
Dr S W Anwane	Coordinator STUDENTS INDUCTION PROGRAMME	A week long programme organized	Detailed report is posted on the website	2023-24
Dr S W Anwane	Consultancy Generated			2023-24
Dr S W Anwane	SPOC, SWAYAM			2023-24
Dr S W Anwane	BoS RTMNU			2023-24

Dr S W Anwane	President SRC-08E IAPT		Organized National Level activity on Life and Worke of S N Bose. A detailed report is posted on the website	2023-24
Dr S W Anwane	The <i>instructor</i> of the course <i>Dr S W Anwane</i> has gifted free coupons to the students as the Course contents and the RTM Nagpur University syllabus is covered for Semester VI. The following 120 students have submitted certificate of completion in due time.			2023-24
Dr R N Pathare	Member of Admission committee, Member of Student Council committee, Magazine committee			Session 2022-23
Dr S V Khangar	Member of Admission committee, Member of Magazine committee		Co-officer of NSS committee	Session 2023-24
Mr B T Kumbhare	Member of Admission committee, Member of College Exam committee		Member of NSS committee	Session 2023-24
Dr S K Sayyad	Convenor Carrer Katta committee, Member of PG Admission committee, Member of Teacher mentor committee			Session 2023-24
Dr G L Jadhav	Student Council Member, Admission Committee Member	Convener of Publicity & Digitalization Committee, Member of Training and Placement Cell , Value Education and Extension Activities	Convener of Internal Committee (Provision of Right of Persons with Disability Act 2016), Convener of Value Education & Extension Activities,	Session 2022-23
Dr G. L. Jadhav	Participation 125th birth		During 24 Dec To 28 December various programme were arranged in the college Like Elocution Competition, Sports	Session 2023-2024

	anniversary of Dr. Punjabrao alias Bhausaheb Deshmukh, the founder president of Shri Shivaji Education Amravati,		Activities etc,	
Dr G. L. Jadhav	Participation in the 125th birth anniversary of Dr. Punjabrao alias Bhausaheb Deshmukh, the founder president of Shri Shivaji Education Amravati,		On the occasion of the 125th birth anniversary of Dr. Punjabrao alias Bhausaheb Deshmukh, the founder president of Shri Shivaji Education Amravati, six lectures were organized at various places in Maharashtra on behalf of the Science college Congress Nagar Nagpur Actively participated in this lecture series under the guidance of Honorable Principal sir.	Session 2023-2024
Dr. S. V. Khangar	Member of College Research Cell		Collection of Institutional data regarding conferences, Workshops, seminars, MOUs etc. Data reporting to IQAC	Session 2023-2024

22. List of Alumni of the Departments:

Sr No	Name and available details
1	Ashish A. Mahabal Senior Research Scientist At Cal. Tech. U.S.A.
2	Appulingam Shriram Working in NABARD
3	Dr. Ashish A. Deshmukh Puesuing Ph.D. IISC Bangalore
4	Mr.Prafulla D.Vairagade M.Sc. Applied Geology IIT Mumbai.
5	Ku.Pooja Pingale Canara Bank Mumbai
6	Ku.Roopaa Singh. IIM
7	Dr.Kamlesh Moon M.P. Deo Science College, Nagpur
8	Dr.S.N.Patil M.Sc.Physics ,Associate Prof .Nashik.
9	Shri Rahul D.Khade Advocate High Court Nagpur
10	Dr.Vikas Bangre , Institute of Science, Mumbai
11	Mr. R. J. Sasan Indian Air Force
12	Mr. A. M. Lele Multinational Based Elect. Space Company U.S.A.
13	Mr. G. Agarwal IIT Guwahati
14	Mr. V. S. Marathe UK
15	Ku. Sandhya U.S.A.
16	Mr. Joshi S. S. Indian Air Force

17	Dr. Varambhe Prof. Food & Tech LIT Nagpur
18	P. V. Dhanodkar System Engg. United Bank Of India Pune
19	Shri Jayant M. Borade NIC Nagpur
20	Shri. Arora Programmer UK
21	Dr. Satish Sangode Scientist E Wadia Inst. of Himalaya Geology Dehradun (UP)
22	Shri V. K. Patkhmode Hydrologist GSDA Pune
23	Shri Devendra Mahajan Hydrologist Sahara India, Lonawala
24	Shri Anup Fartode Lecturer KDK Engg. College, Nagpur
25	Appulingam Shriram Geologist Nabard Patna Bihar
26	Shri D. M. Kolte ,Nagpur
27	Shri. Ravi Bhojar Adv. High Court Nagpur
28	Shri. Arora Programmer UK
29	Shri V. K. Patkhmode Hydrologist GSDA Pune
30	Shri Devendra Mahajan Hydrologist Sahara India, Lonawala
31	Shri Anup Fartode Lecturer KDK Engg. College, Nagpur
32	Appulingam Shriram Geologist Nabard Patna Bihar
33	Shri D. M. Kolte ,Nagpur
34	Shri. Ravi Bhojar Adv. High Court Nagpur
35	Shri. Arora Programmer UK
36	Dr.S.N.Patil M.Sc.Physics ,Associate Prof .Nashik.
37	Dr.Kamlesh Moon M.P. Deo Science College, Nagpur
38	Mr. Malke Govt Poly,Sadar Nagpur.
39	Mr. C.G.Pande WCL
40	Mr. Y.S. Tijare,Nagpur.
41	Mr.Mukwane Meyo Hospital, Nagpur
42	Ku.Nikita Mathankar Enthral Tech Pune
43	Ku.Renuka Raut Enthral Tech Pune
44	Padwe Prathesh madhukar
45	Harshal Ravindra Zilpe
46	Padmakshi Naresh Parwe
47	Ghodmare Anjali Krishnaji
48	Anjali Fulkar
49	Aishwarya Sawarkar
50	Anuj Chandrasekhar Ghatate
51	Pranay Babalu Billore
52	Gaurav s. Nirwan
53	Rahul Borkar
54	Ankita C. Bandhekar
55	Pratik Surendra Ghorpade
56	Shweta Kuntawar
57	Amruta Arvind Dadmal
58	Ragini Sunil Meshram
59	Bhakti Jaywant Deshpande
60	Shriya Shrikant Patankar
61	Paris Sudesh More
62	Aditya Shekhar Jogwar
63	Apurva Tiwari
64	Anjali Agrawal

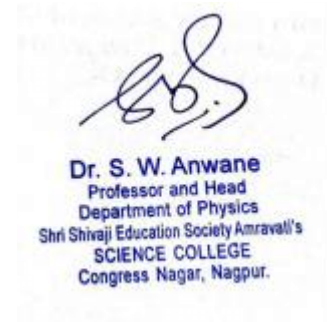
23. Plan for the Current Academic Session (2023-24) :

To strengthen academic activities in the department for various courses viz; UG, PG, CoC, Research Centre.

24. Future plan for Next Academic Session (2024-25) :

To strengthen academic activities in the department for various courses viz; UG, PG, CoC and Research Centre.

25. Any other information: -



Date: 20-5-2024

Signature
Head
Department of Physics

e-learning by Students through International Platform UDEMY

Following B.Sc. Semester VI students have completed the MOOCS UDEMY Certificate Courses as following:

The *instructor* of the course **Dr S W Anwane** has gifted free coupons to the students as the Course contents and the RTM Nagpur University syllabus is covered for Semester VI. The following 120 students have submitted certificate of completion in due time.

Sr. No.	Name	Course
1	Gargi Jaunjaj	A Boot Camp to Special Theory Of Relativity
2	Tanushka Anand kadu	A Boot Camp to Nuclear Physics
3	Diksha Ravindra Gedam	A Boot Camp to Nuclear Physics
4	Dhanshree Choudhari	A Boot Camp to Nuclear Physics
5	Isha Dhole	A Boot Camp to Nuclear Physics
6	Anjali lodhikar	A Boot Camp to Special Theory Of Relativity
7	Anjali lodhikar	A Boot Camp to Nuclear Physics
8	Jayshree Prakash Yadav	A Boot Camp to Nuclear Physics
9	Ritika Balodiya	A Boot Camp to Nuclear Physics
10	Sapna Yadav	A Boot Camp to Special Theory Of Relativity
11	Sapna Yadav	A Boot Camp to Nuclear Physics
12	Aayesha Ashfaque Siddique	A Boot Camp to Nuclear Physics
13	Khushi Kanoje	A Boot Camp to Special Theory Of Relativity
14	Khushi Kanoje	A Boot Camp to Nuclear Physics
15	Amisha bilkar	A Boot Camp to Nuclear Physics
16	Amisha bilkar	A Boot Camp to Special Theory Of Relativity
17	Rohan Mahajan	A Boot Camp to Special Theory Of Relativity
18	Romit Chaudhury	A Boot Camp to Nuclear Physics
19	Mohit Bhakte	A Boot Camp to Nuclear Physics
20	Janhvi Kayarkar	A Boot Camp to Special Theory Of Relativity
21	Janhvi Kayarkar	A Boot Camp to Nuclear Physics
22	Disha Vijay Raut	A Boot Camp to Special Theory Of Relativity
23	Disha Vijay Raut	A Boot Camp to Nuclear Physics
24	Pratham shrivas	A Boot Camp to Special Theory Of Relativity
25	Pratham shrivas	A Boot Camp to Nuclear Physics
26	Shweta Sunil Charpe	A Boot Camp to Nuclear Physics

27	Sweth Pimpalkar	A Boot Camp to Special Theory Of Relativity
28	Sweth Pimpalkar	A Boot Camp to Nuclear Physics
29	Sneha sharma	A Boot Camp to Nuclear Physics
30	Sneha sharma	A Boot Camp to Special Theory Of Relativity
31	Munesh RavindraSingh Chaudhary	A Boot Camp to Special Theory Of Relativity
32	Munesh RavindraSingh Chaudhary	A Boot Camp to Nuclear Physics
33	Diksha Ravindra Gedam	A Boot Camp to Special Theory Of Relativity
34	Manya Ganesh Pimple	A Boot Camp to Nuclear Physics
35	Sanskriti Rajendra M	A Boot Camp to Special Theory Of Relativity
36	Nishant Dushyant Meshram	A Boot Camp to Special Theory Of Relativity
37	Chaitrali Ganeshrao Shende	A Boot Camp to Nuclear Physics
38	Vinku Moundekar	A Boot Camp to Nuclear Physics
39	Akansha Subhash Sangole	A Boot Camp to Special Theory Of Relativity
40	Riddhi chandrashekhar Kohad	A Boot Camp to Special Theory Of Relativity
41	Shraddha Baban Bagde	A Boot Camp to Special Theory Of Relativity
42	Pranav Bhupesh lakhe	A Boot Camp to Nuclear Physics
43	Sanskriti Rajendra M	A Boot Camp to Nuclear Physics
44	MAHEK Pramod Mishra	A Boot Camp to Nuclear Physics
45	Rohan Mahajan	A Boot Camp to Nuclear Physics
46	Janhvi Kayarkar	A Boot Camp to Special Theory Of Relativity
47	Yashwant Raju Paunikar	A Boot Camp to Nuclear Physics
48	Amisha	A Boot Camp to Special Theory Of Relativity
49	Akansha Subhash Sangole	A Boot Camp to Nuclear Physics
50	Manya Ganesh Pimple	A Boot Camp to Special Theory Of Relativity
51	Sanjana Jangade	A Boot Camp to Special Theory Of Relativity
52	Mohit Bhakte	A Boot Camp to Special Theory Of Relativity
53	Nishant Dushyant Meshram	A Boot Camp to Nuclear Physics
54	Devesh Patle	A Boot Camp to Nuclear Physics
55	Krunal Gajanan Bhagat	A Boot Camp to Nuclear Physics
56	Janhvi Kayarkar	A Boot Camp to Nuclear Physics
57	Pranav Bhupesh lakhe	A Boot Camp to Special Theory Of Relativity
58	Tanmay Pramod Nagrale	A Boot Camp to Nuclear Physics
59	Devendra jaipurkar	A Boot Camp to Special Theory Of Relativity

60	Devesh Patle	A Boot Camp to Special Theory Of Relativity
61	Gaurav shekhar kumare	A Boot Camp to Nuclear Physics
62	Mohini Bhaskar Bhute	A Boot Camp to Special Theory Of Relativity
63	MAHEK Pramod Mishra	A Boot Camp to Special Theory Of Relativity
64	Shraddha Baban Bagde	A Boot Camp to Nuclear Physics
65	Ruchi Meena	A Boot Camp to Nuclear Physics
66	Ruchi Meena	A Boot Camp to Special Theory Of Relativity
67	Krunal Gajanan Bhagat	A Boot Camp to Special Theory Of Relativity
68	Amisha	A Boot Camp to Nuclear Physics
69	Yashwant Raju Paunikar	A Boot Camp to Special Theory Of Relativity
70	Vinku Moundekar	A Boot Camp to Special Theory Of Relativity
71	Sweth Pimpalkar	A Boot Camp to Nuclear Physics
72	Chaitrali Ganeshrao Shende	A Boot Camp to Special Theory Of Relativity
73	Sanskruiti kadu	A Boot Camp to Nuclear Physics
74	Swati FattuDhabekar	Empower Women Elevate the World
75	Sakshi Mangesh Raut	A Boot Camp to Special Theory Of Relativity
76	Sanchit Joshi	A Boot Camp to Nuclear Physics
77	Madhura Pathak	A Boot Camp to Nuclear Physics
78	Nikhil Milind Bansod	A Boot Camp to Nuclear Physics
79	Sanchit Joshi	A Boot Camp to Special Theory Of Relativity
80	Manasvi dange	Life & Work of S. N. Bose
81	Madhura Pathak	A Boot Camp to Special Theory Of Relativity
82	Nikhil Milind Bansod	A Boot Camp to Special Theory Of Relativity
83	Divyashri Surendra Gajbhiye	A Boot Camp to Nuclear Physics
84	Kalyani Motilal Nagapure	A Boot Camp to Special Theory Of Relativity
85	Jay dailkar	A Boot Camp to Nuclear Physics
86	Nidhi Shailesh Bawangade	A Boot Camp to Special Theory Of Relativity
87	Pranali Porchattiwari	A Boot Camp to Nuclear Physics
88	Shreyash Lakde	A Boot Camp to Nuclear Physics
89	Shrinay Bhiwgade	A Boot Camp to Nuclear Physics
90	Vaishnavi Dhadse	A Boot Camp to Nuclear Physics
91	Jay madhukar shende	A Boot Camp to Special Theory Of Relativity
92	Dikshant Wasnik	A Boot Camp to Special Theory Of Relativity

93	Osheen Darshan Arora	A Boot Camp to Special Theory Of Relativity
94	Pranali Porchattiwari	A Boot Camp to Special Theory Of Relativity
95	Manasvi dange	A Boot Camp to Nuclear Physics
96	Pranjal Vijay Agarkar	A Boot Camp to Special Theory Of Relativity
97	Gargi Jaunjali	A Boot Camp to Special Theory Of Relativity
98	Muskan pathak	A Boot Camp to Nuclear Physics
99	Jay madhukar shende	A Boot Camp to Nuclear Physics
100	Bhushan Mourya	A Boot Camp to Nuclear Physics
101	Sweta Sandeep Naidu	A Boot Camp to Special Theory Of Relativity
102	Gargi Jaunjali	A Boot Camp to Nuclear Physics
103	Osheen Darshan Arora	A Boot Camp to Nuclear Physics
104	Muskan pathak	A Boot Camp to Special Theory Of Relativity
105	Dikshant Wasnik	A Boot Camp to Nuclear Physics
106	Vedanti Doble	A Boot Camp to Nuclear Physics
107	Divyashri Surendra Gajbhiye	A Boot Camp to Special Theory Of Relativity
108	Saurav chapple	A Boot Camp to Nuclear Physics
109	Geetanjali Prakash Jatgade	A Boot Camp to Nuclear Physics
110	Vaishnavi Dhadse	A Boot Camp to Special Theory Of Relativity
111	Lokesh shriniwas Patel	A Boot Camp to Special Theory Of Relativity
112	Vedanti Doble	A Boot Camp to Special Theory Of Relativity
113	Manasvi dange	A Boot Camp to Special Theory Of Relativity
114	Devendra gajanan jaipurkar	A Boot Camp to Nuclear Physics
115	Sakshi Raut	A Boot Camp to Nuclear Physics
116	Ritika Balodiya	A Boot Camp to Nuclear Physics
117	Nidhi Shailesh Bawangade	A Boot Camp to Nuclear Physics
118	Pranjal Vijay Agarkar	A Boot Camp to Nuclear Physics
119	Shreyash Lakde	A Boot Camp to Special Theory Of Relativity
120	Khushi Rahul Aglawe	A Boot Camp to Special Theory Of Relativity



Screenshot [\[show\]](#)

Type of business	Publicly traded
Type of site	Online education
Available in	English · French · Spanish · Turkish · Portuguese · German · Japanese · Polish · Korean · Russian · Italian · Chinese
Traded as	Nasdaq: UDMY ↗
Founded	May 11, 2010; 13 years ago
Headquarters	San Francisco, California, U.S.
Created by	Eren Bali Gagan Biyani Oktay Çağlar ^[1]
Key people	Greg Brown (CEO)
Industry	E-learning
Revenue	▲ US\$516 million (2021) ^[2]
Operating income	▼ US\$-78 million (2021) ^[2]
Net income	▼ US\$-80 million (2021) ^[2]
Total assets	▲ US\$740 million (2021) ^[2]
Total equity	▲ US\$390 million (2021) ^[2]
Employees	1,238 (December 2021) ^[2]
URL	www.udemy.com ↗
Commercial	Yes
Registration	Required
Users	52 million (2022) ^[3]
Current status	Active