

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 $La_{2-x}A_xMo_{2-y}ByO_{9-s}$ 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 | 00 | 14.00% |
| M. Sc. Sem-III | 10 | 10 | 04 | 06 | 00 | 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 | 98 | 91 | 54 | 37 | 03 | 59.34 |
| B.SC. Sem-IV | 110 | 98 | 65 | 33 | 13 | 66.32 |
| B.SC. Sem-VI | 123 | 118 | 96 | 22 | 23 | 81.35 |
| M. Sc. Sem-II | 07 | 07 | 02 | 05 | 00 | 28.57 |
| M. Sc. Sem-IV | 10 | 10 | 06 | 04 | 00 | 60.00 |

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

| Sr. No. | Name of the Students | Class | Title |
|---------|----------------------|-------|-------|
| | | | |

| | | | |
|---|---------------------------|---------------|---|
| 1 | Ms. Aishwarya Mendwade | B. Sc. SEM IV | secured 2nd position in 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, SSESAs 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 association 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 Global 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 Research Institute (CSIR-NEERI), Nagpur | 26,27 May 2024 | International | Review on Electrospinning for photoluminescent polymers fibres. | |
| 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 Mahavidyalaya, Nagpur, Sharda University, Greater Noida, and CSIR-National Environmental Engineering Research Institute (CSIR-NEERI), Nagpur | 26-27, April 2024 | International | Yes Poster Presentation | |
| 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 Novem ber 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 | 01 | 00 |
| Dr R N Pathare | 13 | 00 | 00 | 00 | 00 | 00 | 01 | 00 | 00 |
| Dr S K Sayyad | 15 | 00 | 00 | 00 | 00 | 00 | 01 | 00 | 00 |
| Dr S V Khangar | 14 | 00 | 00 | 00 | 00 | 00 | 01 | 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 explo- ration 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/_uMFSO56ypA
- 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 |
|-----------------------------|---|------------------------------|---------------------------------|-------------------|
| | | | | |

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|--|---|---|---|------------------|
| 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 2) Mr. Kunal Khawashi | Director V S Informatics Pvt Ltd, Nagpur R&D Engineer V S Informatics Pvt Ltd, Nagpur | 13/02/2024 |
| Interaction On Job Training (OJT) in PCB designing, Embedded Systems, and IoT (Internet of Things) | Industry Institute Interaction | Mr. Kunal Khawshi | 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 | 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 | January 27, 2024 |

| | | | | |
|--|---|---|--|-----------------------------|
| | | Moudgil, 4) Prof. R. M. Shewale 5)Dr. V. Renganayaki& Dr. Uthra Dorairajan | IAPT President for RC Maharashtra &Ex- Professor of Physics at Dhule 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 AND 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 2023-24 |
| 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 2023-24 |
| Dr G. L .Jadhav | Participation 125th birth anniversary of Dr. Punjabrao alias Bhausaheb Deshmukh, the founder president of Shri Shivaji Education Amravati, | | During 24 Dec To 28 December various programme were arranged in the college Like Elocution Competition, Sports Activities etc, | Session 2023-2024 |
| 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 Puesday Ph.D. IISC Bangalore |
| 4 | Mr.Prafulla D.Vairagade M.Sc. Applied Geology IIT Mumbai. |
| 5 | Ku.Pooja Pingale Canara Bank Mumbai |
| 6 | Ku.Roop Singh. IIM |
| 7 | Dr.Kamlesh Moon M.P. Deo Science College, Nagpur |

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|----|--|
| 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 Bhoyar 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 Bhoyar 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 Entrhall Tech Pune |
| 43 | Ku.Renuka Raut Entrhall 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 |

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|----|----------------------------|
| 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 |
| 65 | Vishwajit Manohar Gaikawad |


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: -



Dr. S. W. Anwane
Professor and Head
Department of Physics
Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE
Congress Nagar, Nagpur.

Date: 20-5-2024

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 |

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| 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 |

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|----|-----------------------------|---|
| 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 | Sanskruti 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 |

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| 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 Jaunjal | 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 Jaunjal | 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 |