Rayat Shikshan Sanstha's

Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar

Department of Physics

Annual Report:2024-25

Date-28/04/2025

The department of Physics at Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar is pleased to present its annual report for the academic year 2024-25. This report highlights the major department's achievements, activities conducted for the students.

Academic Programs:

The department offers UG and PG programmes in physics, providing students with a strong foundation. The NGPE-2025 examination was conducted on 19th January, 2025 at the department wherein Samruddhi Totre and Ashwini Hule of TYBSc Physics has secured first and second rank respectively among total 11 attendees. Dr.Shraddha Mahakal and Mr.Vikas Mhaske will be published a research paper in International Conference on Recent Trends in energy, Harvesting and Applications(RAEHA)-2025 in May-2025.

Faculty Achievements:

The two faculties: 1) Dr.Shraddha Mahakal 2) Mr.Hemant Shirke have attended the MSFDA's FDP program on capacity building in Physics at HBCSE, TIFR, Mumbai between 17th February to 22th February,2025. The faculty Dr.Shraddha Mahakal, Mr.Vikas Mhaske, Mr.Pravin Kurkute, Mr.Hemant Shirke, and Ms. Snehal Jagtap have published a patent on "Catalytic Nanoparticles for Enhanced Biodegradation of Organic Pollutants".

Student Achievements:

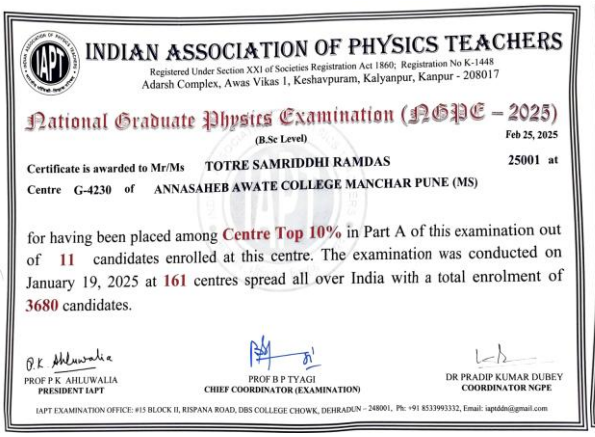
The SYBSc student Mr. Shreyash Wadekar has participated in Radio Astronomy School, Fergusson College, Pune during 17-24 February, 2025. The UG and PG students have attended the International Conference on Recent Trends in energy, harvesting and applications(RAEHA)-2025 on 1st April,2025 jointly conducted by Department of Physics, Electronics and Mathematics of the college. The SYBSc student Ms. Neha Tayade has selected for summer internship at Department of Physics, IIT Tirupati for a period of two months from 14th May 2025 to 11th July 2025.

Departmental Activities:

The study tour has organised at Vidnyan Ashram ,Pabal on 29th July,2024 for TYBSc Physics students. The TYBSc Physics students has donated 4 Motion Sensor Bulbs to the Department of Physics on 28th April,2025 at the farewell ceremony program. The TYBSc Physics students with the collaboration of department of Zoology has conducted the Carbon Sequestration study jointly in the girls garden at the campus on 17th April, 2025.

Head,
Department of Physics,
Annasaheb Awate College, Manchar

NGPE Examination Certificates:



INDIAN ASSOCIATION OF PHYSICS TEACHERS

Registered Under Section XXI of Societies Registration Act 1860; Registration No K-1448

Adarsh Complex, Awas Vikas 1, Keshavpuram, Kalyanpur, Kanpur - 208017

National Graduate Physics Examination (NGPE – 2025)

(B.Sc Level) Feb 25, 2025

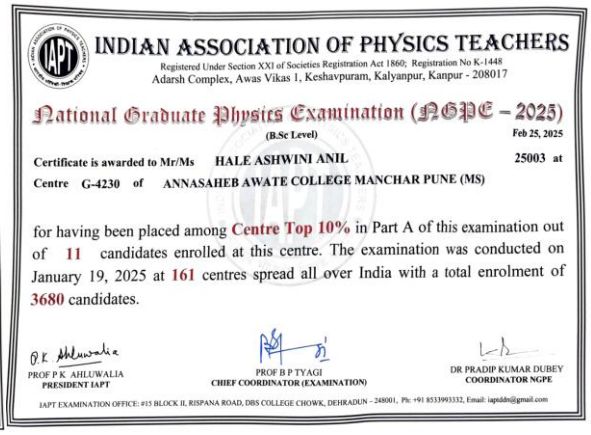
Certificate is awarded to Mr/Ms TOTRE SAMRIDDHI RAMDAS 25001 at

Centre G-4230 of ANNASAHEB AWATE COLLEGE MANCHAR PUNE (MS)

for having been placed among **Centre Top 10%** in Part A of this examination out of 11 candidates enrolled at this centre. The examination was conducted on January 19, 2025 at 161 centres spread all over India with a total enrolment of 3680 candidates.

PROF P K AHLUWALIA, PRESIDENT IAPT | PROF B P TYAGI, CHIEF COORDINATOR (EXAMINATION) | DR PRADIP KUMAR DUBEY, COORDINATOR NGPE

IAPT EXAMINATION OFFICE: #15 BLOCK II, RISPANA ROAD, DBS COLLEGE CHOWK, DEHRADUN – 248001, Ph: +91 8533993332, Email: iaptddn@gmail.com



INDIAN ASSOCIATION OF PHYSICS TEACHERS

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Adarsh Complex, Awas Vikas 1, Keshavpuram, Kalyanpur, Kanpur - 208017

National Graduate Physics Examination (NGPE – 2025)

(B.Sc Level) Feb 25, 2025

Certificate is awarded to Mr/Ms HALE ASHWINI ANIL 25003 at

Centre G-4230 of ANNASAHEB AWATE COLLEGE MANCHAR PUNE (MS)

for having been placed among **Centre Top 10%** in Part A of this examination out of 11 candidates enrolled at this centre. The examination was conducted on January 19, 2025 at 161 centres spread all over India with a total enrolment of 3680 candidates.

PROF P K AHLUWALIA, PRESIDENT IAPT | PROF B P TYAGI, CHIEF COORDINATOR (EXAMINATION) | DR PRADIP KUMAR DUBEY, COORDINATOR NGPE

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HBCSE,TIFR, Mumbai FDP Certificates:



Maharashtra State Faculty Development Academy

महाराष्ट्र राज्य अध्यापक विकास संस्था

Certificate of Participation / सहभाग प्रमाणपत्र

This certificate is awarded to Shraddha ChandraShekhar Mahakal यांना हे प्रमाणपत्र देण्यात येते

We appreciate your participation and rich contribution in the successful completion of the programme Capacity Building Programme for physics Teacher [UG Level]

या कार्यक्रमाच्या यशस्वी पूर्तीसाठी आपले सहभागाची आणि मौल्य योगदानाची नोंद घेतो

From 17th February 25 पासून to / ते 22nd February 25 पर्यंत offline

at HBCSE, Mumbai

The programme/training was organised by Maharashtra State Faculty Development Academy, Pune कार्यक्रम / प्रशिक्षणाचे आयोजन महाराष्ट्र राज्य अध्यापक विकास संस्था, पुणे आणि

in collaboration with Homi Bhabha centre for Science Education, Mumbai यांच्या सहकार्याने करण्यात आले होते

General Manager, MSFDA

OUR KNOWLEDGE PARTNERS / आमचे ज्ञान भागीदार



Maharashtra State Faculty Development Academy

महाराष्ट्र राज्य अध्यापक विकास संस्था

Certificate of Participation / सहभाग प्रमाणपत्र

This certificate is awarded to Hemant Sanjay Shirke यांना हे प्रमाणपत्र देण्यात येते

We appreciate your participation and rich contribution in the successful completion of the programme Capacity Building Programme for physics Teacher [UG Level]

या कार्यक्रमाच्या यशस्वी पूर्तीसाठी आपले सहभागाची आणि मौल्य योगदानाची नोंद घेतो

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In collaboration with Homi Bhabha centre for Science Education, Mumbai यांच्या सहकार्याने करण्यात आले होते

General Manager, MSFDA

OUR KNOWLEDGE PARTNERS / आमचे ज्ञान भागीदार

Study Tour, Pabal: Geo-tagged Photos:





Experiential Learning Through Practical:





Donation of Motion Sensor Bulbs from TYBSc Physics Students:



Radio Astronomy School-2025 Certificate:



Deccan Education Society's

Fergusson College (Autonomous), Pune-4

Department of Physics

Organizes

IUCAA

Radio Astronomy School 2025

17 Feb - 24 Feb 2025

Under

IUCAA Centre for Astronomy Research and Development (ICARD-Fergusson College)

Participation Certificate

This is to certify that Shreyash Ganesh Vadekar from Annasaheb Awate College has participated and attended all the sessions in Radio Astronomy School 2025 conducted by the Department of Physics, Fergusson college (Autonomous), Pune under IUCAA Centre for Astronomy Research and Development (ICARD) during 17-24 February 2025.

Dr. Raka Dabhade, ICARD Co-Ordinator, Fergusson College (Autonomous), Pune

Prof. Durgesh Tripathi, IUCAA, Pune-07

Prof. Kishor Sonawane, Head, Dept. of Physics, Fergusson College (Autonomous), Pune

Prof. Vijay Tadake, Principal, Fergusson College (Autonomous), Pune