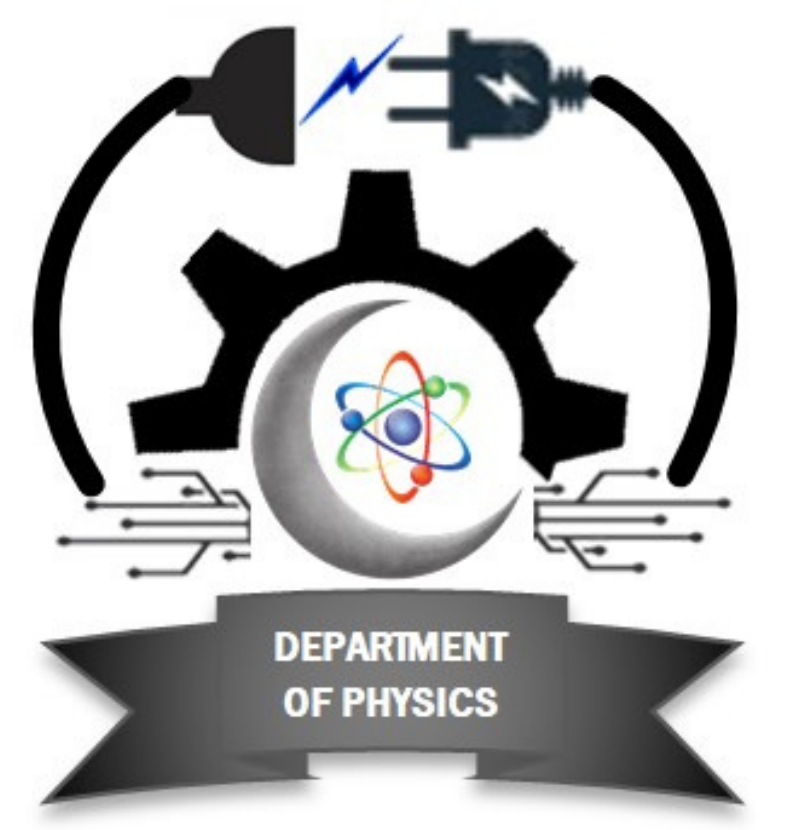




# Justice Basheer Ahmed Sayeed College for Women (Autonomous), Chennai-600 018.

College with Potential For Excellence  
Accredited by NAAC in 2022 at A<sup>++</sup> grade (4<sup>th</sup> cycle)



## DEPARTMENT OF PHYSICS 2023 - 2024

### VISION AND MISSION

To train and equip women students to become a professional science graduate through participative and experiential learning and pursue their career in science and research

### ARCHIVE OF THE DEPARTMENT

- 1955 - Dept of Physics started.
- 1988 - A full-fledged B.Sc., Physics course.
- 2015 - PG Dept. of Physics started in afternoon session
- 2015 - Supported Under STAR College Scheme by DBT, Govt. of India.
- 2020 - **The Only Physics Department in Chennai to be upgraded to Star College Status by DBT, Govt. of India for the benefit of the students**



Infrastructure of the Department

### Highlights of the Department

#### Workshops/ Hands on Training



#### Industrial/ Field Visits



Student Centric Methods

#### Seminar/ Webinar Conducted



#### Enhancement of Student's Skills to get better job opportunities through Career Oriented Programs

1. Add-On Course - **Creativity with Electronics**
2. Value Added Course - **Scientific Software Tools for Skill Development - Origin and Mathtype**
3. Certificate Course - **Python Coding with Machine Learning and Artificial intelligence**

The Physics department conducts National Graduate Physics Examination (NGPE) for I, II and III year students every year in the month of Jan organized by IAPT and train the students.

### After Graduating in Physics, Students can pursue

1. PG Courses
  - M.Sc in Physics/Medical Physics/Forensic Sciences/ Astronomy and Astrophysics/ Electronic Sciences/ Photonics/ Theoretical Physics/ Meteorology/ Library Sciences/Nuclear Physics/ Biophysics/Material Science
2. Short-term Courses - Postgraduate diploma in
  - Advanced Physics/Education/Data Science/Computer Applications/ Cyber Law/Space Science & Technology
3. Integrated M.Sc - PhD program in top Institutes
4. B.Ed.
5. MCA - Master in Computer Applications
6. MBA - in Educational Leadership/Entrepreneurship/Artificial Intelligence/ Environmental Management/Data Science/Big Data Management/ Business

Eligibility: Physics, Chemistry and Mathematics in +2

#### Career Options for Physics Graduates

1. Teacher (College and Schools)
2. Lecturer (after PhD)
3. Physics Tutor (IIT-JEE/Medical/NET-GATE/JEST/JAM etc.)
4. Researcher (after M.Sc. and PhD)
5. Scientific Assistant (BARC/DRDO/NPL/PRL/IOP/HBNI/TIFR/RRI/IGCAR etc.)
6. Scientific Officer (In any Institute/ R & D Labs)

#### Other Job Opportunities

1. Lab Supervisor
2. Researcher
3. Content Developer
4. Data Analyst
5. Technician
6. Optometrists
7. Railway Officer
8. Banking Sectors
9. Staff Selection Commission
10. Indian Defence Service

Placements in reputed companies for Physics Students

### Distinguished Alumnae - Department of Physics

- Mrs. Sabrin Asif (1992 Batch) Vice President, Wells Farga Bank, North Carolina, USA
- Dr. Zahera Jabeen (1997 Batch) Senior Researcher, Exxonmobil Corporate Strategic Research, New Jersey, USA
- Ms. Sreedurga S (2003 Batch) Head subsurface satellite fields, Cairn Oil and Gas, Gurgaon, India
- Ms. Abinaya Sankaran (2011 Batch) Research Scholar, University of Limerick, Ireland
- Ms. Anusha (2013 Batch) Research Scholar, Western University, Ontario, Canada
- Ms. Mantra (2014 Batch) Research Scholar, Univ. of Wollongong, Australia

- Dr. Najma Nikat (1992 Batch), Assistant professor, Bakthavachalam College, Chennai.
- Dr. Lakshmi Devi (1994 Batch), Associate professor, WCC, Chennai
- Dr.H.Fazlunnisa (2000 Batch) Asst. Prof., Dept. of Library & Information Science, Univ. of Madras, Chennai, India
- Dr. Loganayaki (1994 Batch), Lecturer, Valliammal College for Women, Chennai
- Ms. Samreen, Researcher, Univ of Madras, 2015 Batch
- Ms. Sameera Begum, Cyber & Forensic Dept, Taramani (2017 Batch)

- Ms. Shobana, Researcher, Japan 2015 Batch
- Ms. Thamana, Researcher, VIT 2015 Batch

Placements in Research labs abroad