



Contact

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Department of Physics

Dr. M. Vijayajayanthi

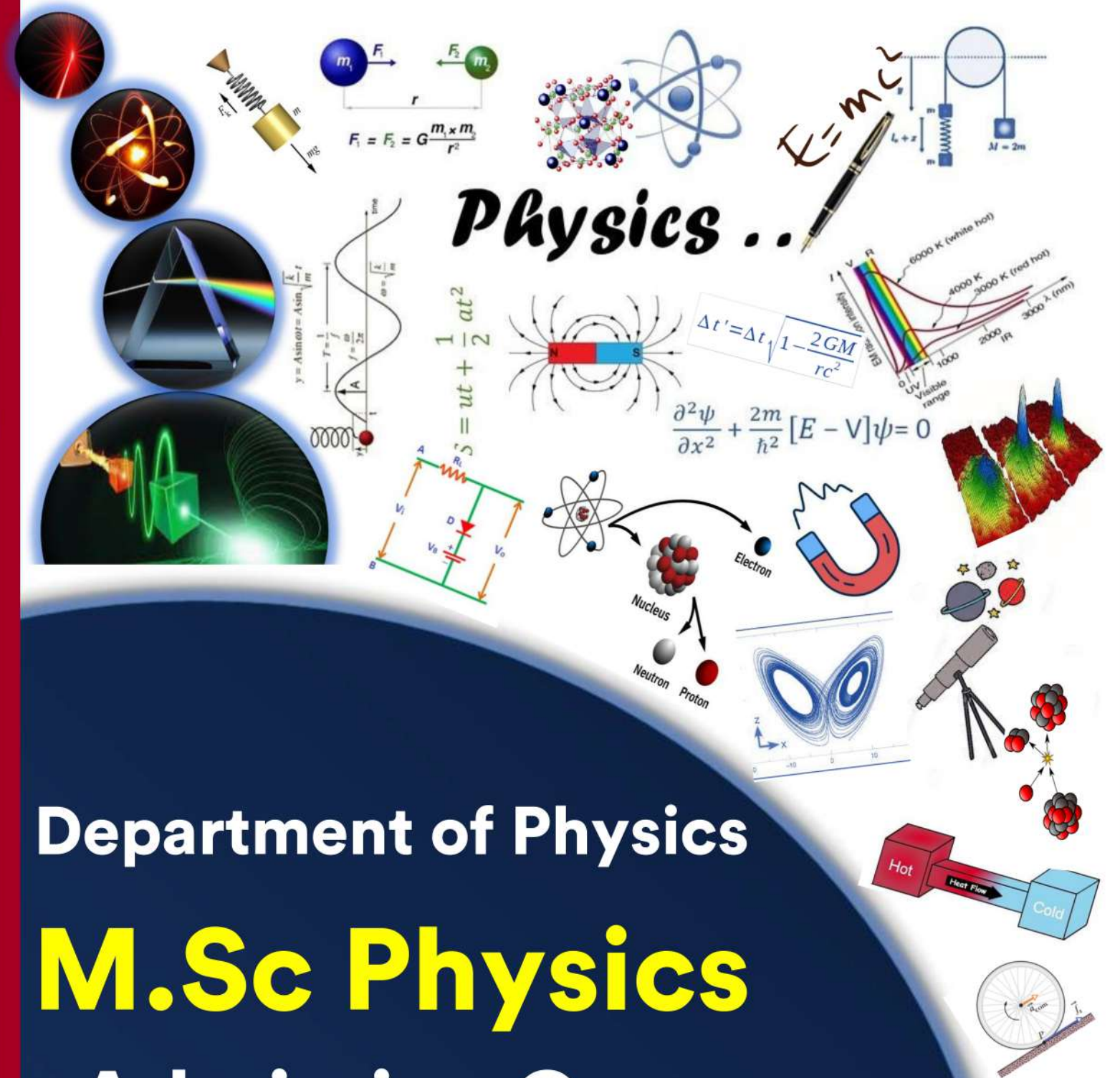
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To apply online [click here](#)



Department of Physics

M.Sc Physics

Admission Open

2022-23

About the Institute

B.S. Abdur Rahman Crescent Institute of Science & Technology, is an institution acclaimed throughout India for its quality in teaching and research for the past thirty-seven years. It aims at providing value based education by imparting practical training, knowledge and skills, on the journey towards technical excellence.



Physics Department

Highlights

Established
in the year
1984

All the faculty
members
with **Ph.D.** degree

h-Index
39

467

Publications in
indexed Journals

Funded Projects (completed)
129.88 lakhs

Citations
4898

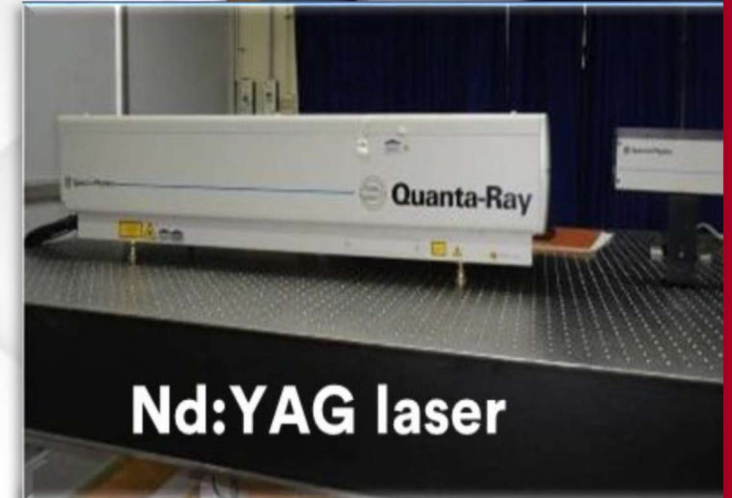
Funded Projects (ongoing)
28.02 lakhs

Research Facilities

- ❑ Q Switched Nd: YAG laser LAB 170-10
- ❑ EPM 2000 (Dual Channel) Energy Meter
- ❑ Laser Ablation Vacuum Coating Unit
- ❑ Spray Pyrolysis unit
- ❑ Fluorescence Spectrophotometer
- ❑ Dielectric Impedance Analyzer
- ❑ Digital Storage Oscilloscope
- ❑ PE Loop tracer
- ❑ High Temperature Autoclave
- ❑ Multipurpose lab station
- ❑ High Temperature Furnace



Laser Ablation Unit



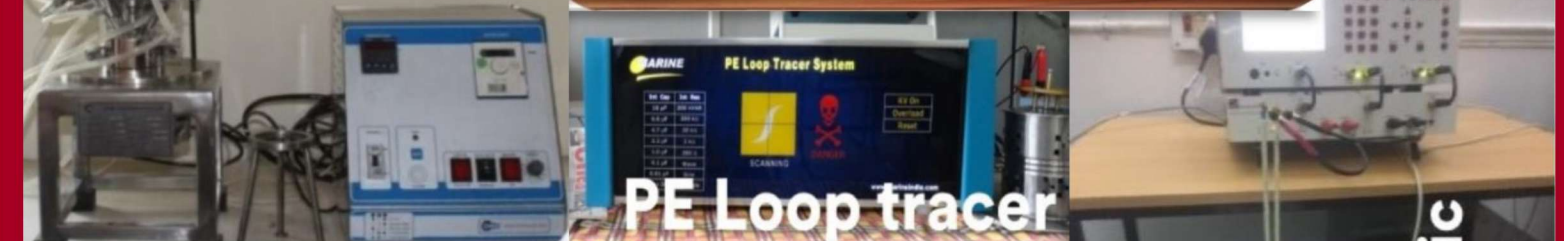
Nd:YAG laser



Z-scan



Fluorescence Spectrophotometer



PE Loop tracer



NLD Lab Equipment

Dielectric Set up

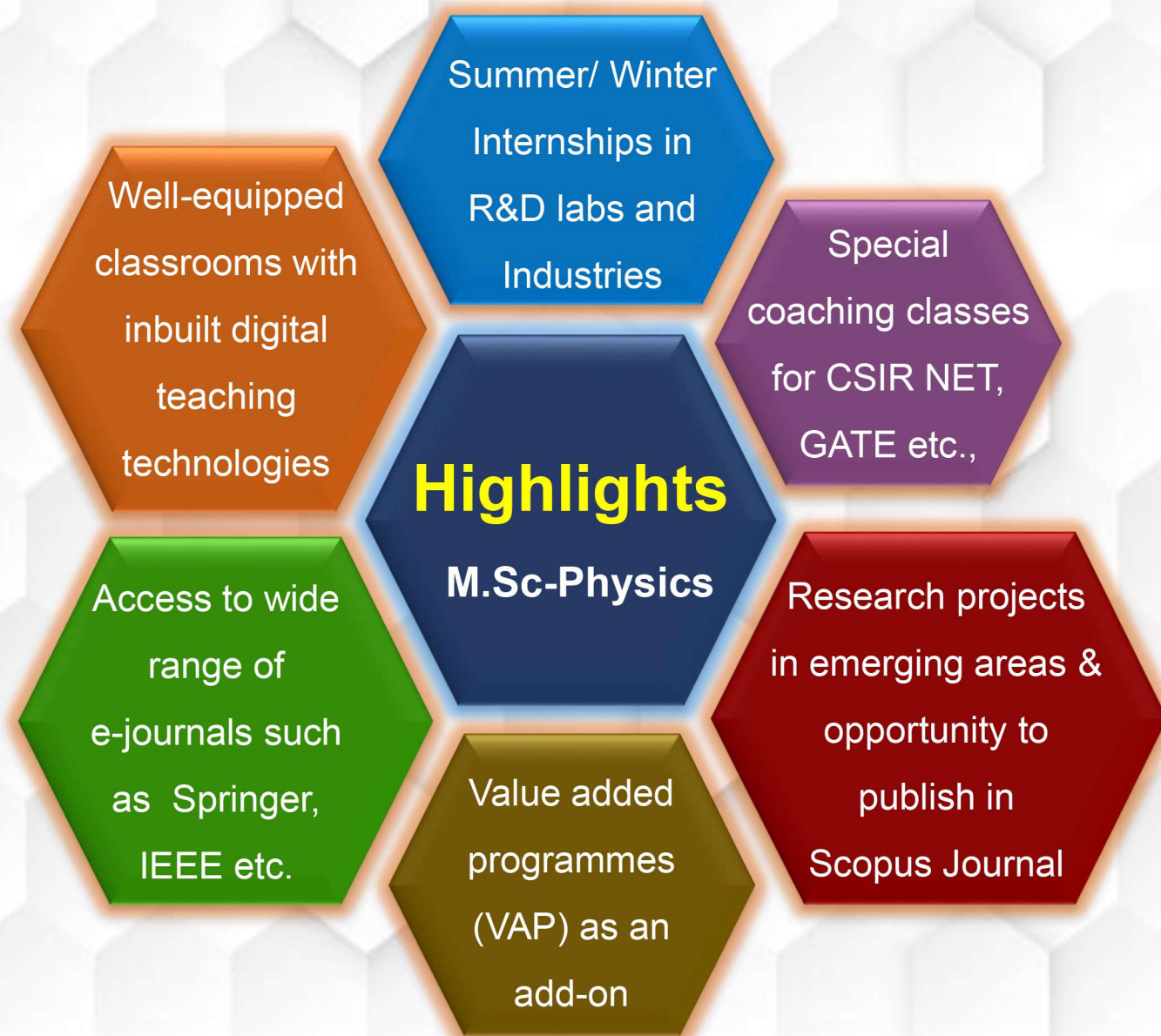
Courses offered

- ❑ M.Sc Physics
- ❑ Ph.D. in Physics

Eligibility for M.Sc Physics

B.Sc., Physics / Applied Sciences / Electronics / Instrumentation from a recognized University / Institutions

Highlights of M.Sc Physics programme



Research thrust areas

- Nanotechnology
- Materials science
- Nanofabrication
- Crystal growth
- Nonlinear optics (NLO)
- Nonlinear dynamics (NLD)
- Thin films technology
- Optoelectronics
- Multiferroic materials
- Polymer nanocomposite
- Dye Lasers
- Materials Modeling (computational)

Key aspects and Achievements

International Research Collaborations

Department of Physics has established research collaboration with International institutes

- ❑ Universiti Teknologi MARA (UiTM), Malaysia.
- ❑ Tamkang University, Taiwan
- ❑ Qatar University, Doha, Qatar

National Research Collaborations

- ❑ Department of Physics has established research collaboration with many National institutes including UGC-DAE Consortium for Scientific Research-Indore, NIT-Trichy, NIT-Srinagar, Anna University-Chennai, etc.,

M.Sc Project work based Publications

- ❑ M.Sc students has published their project work in Scopus indexed journals like Optik, Journal of Electrochemical Energy Conversion and Storage, Computational Condensed Matter and Applied Physics A etc.,

Testimonial from Alumni



BSA Crescent Institute has been a great contributor to the development of my personality. The infrastructure of this institution is one of the finest in Chennai.

- Ms. D. Shobana Priyanka
Ph.D. at SSN College, Chennai
2018 – 20 batch



Institute has a good atmosphere with eminent faculty members and excellent teaching

- Mr. P. Yogamarish P.
Ph.D. at BSACIST, Chennai
2018 – 20 batch



I am really proud to be an alumnus of Crescent Institute. The Department conducts many workshops and seminars for the benefit of the students

- Mr. Kamalanathan K
Senior Calibration Officer
R.R Electronics, Chennai
2017 - 19 batch



This Institution has given me a chance to sharpen my skills in my field of physics. There have been, and there will continue to be, many opportunities to learn more ways of improving my Research ideas and my confidence

- Mr. Karthick.S
PGT Physics,
Vellamal Main Hr. Sec. School,
Chennai
2017 – 19 batch

Testimonial from Alumni



A complete 6-month project in the final semester has laid a foundation for our future research career

- Mr. Ubaiyathullah A
Technical Editor, Scientific
Publishing Services, Trichy
2017 - 19 batch



Modern coursework of Physics department and friendly faculty members will make us to upstand our career. Facilities will intrigue us to do more research work.

- Mr. Tawfiq Basha. K
Research engineer, Shinano ABV
Technologies, Bangalore.
2016 - 18 batch



This Institution has given me a chance to sharpen my skills in my field of physics. There have been, and there will continue to be, many opportunities to learn more ways of improving my Research ideas and my confidence

- Ms. Vedam Thanvi Sree Nithya
2019 – 21 batch (pursuing)

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