



# University of Mumbai

## Department of Physics (Autonomous)

### *Admission for Year 2020-21*

### *Master of Science (MSc)*

### *PHYSICS*

*Two-year Full Time Course*



#### **Admission Requirement:**

A Bachelor's degree in Physics, or an equivalent qualification,

#### **Online Application\*:**

Link for the form: **QR CODE**  
[t.ly/Oa8u](https://t.ly/Oa8u)



#### **Website:**

<https://mu.ac.in/physics>

#### **Enquires:**

Email Id:

[admission@physics.mu.ac.in](mailto:admission@physics.mu.ac.in)

Phone:

022-26526250

**Number of Seats: 68**

#### **Important Dates:**

Admission opens:

**1<sup>st</sup> November 2020**

Last Date for filling of Forms:  
**13<sup>th</sup> November 2020 (11 pm)**

Merit List: (on website)

**17<sup>th</sup> November 2020**

Course Starts:

**1<sup>st</sup> December 2020**

#### **Course Structure:**

Brochure : [t.ly/DM8l](https://t.ly/DM8l)

**\*No Entrance Test**



# University of Mumbai

## Department of Physics (Autonomous)

### *Highlights of the Course*

#### *Variety of Elective Courses (30+) Offered*

- Computational Methods in Physics
- Nuclear Structure
- Nuclear Reaction
- Experimental Techniques in Nuclear Physics
- Particle Physics
- General Theory of Relativity
- Computer Networking
- Materials and their applications

- Semiconductor Physics
- Fundamentals of Materials Science
- Nanoscience and Nanotechnology
- Liquid crystals
- Polymer Physics
- Properties of solids
- Crystalline and non-crystalline solids
- Surfaces and thin films

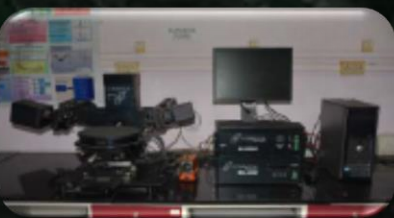
- Signal Modulation & transmission techniques
- Microwave electronics
- Radar & Optical Fibre communication
- VLSI design & embedded system
- Embedded C ARM & interfacing
- VHDL, C ++ & PYTHON Programming
- Digital Communication Systems

- Astronomy & Astrophysics
- Galactic and Extra-galactic Astronomy
- Accelerator & Beam Physics
- Plasma Physics
- Group theory
- Applied Thermodynamics
- Electronic structure of Solids
- Energy Studies

#### *State of the Art Facilities*



- ❖ Advance Physics Lab
- ❖ Electronics Lab
- ❖ Material Science Lab
- ❖ Bio-Nano Physics Lab
- ❖ Molecular Electronics Lab
- ❖ Liquid Crystal Lab
- ❖ Nuclear Physics Lab
- ❖ Semiconductor Lab
- ❖ Thin Film Lab
- ❖ Surface Physics Lab
- ❖ Astro & Space Physics Lab
- ❖ Computer Lab
- ❖ Departmental Library





# University of Mumbai

## Department of Physics (Autonomous)

### *Salient Features of the Course*

- Modern ICT based learning.
- Access to Departmental Library, Computer lab and Internet facilities.
- Seminars/Workshops throughout the year, of researchers of national and international repute.
- Opportunity to work in reputed research institutes (TIFR, BARC, IITB, SAMEER etc.) for project work.
- Opportunity to do research (MSc project work, PhD) in core as well as interdisciplinary fields.
- Coaching for entrance exams (NET, SET, GATE etc.) by departmental faculty members.
- Job and career guidance post M.Sc.
- Involvement in extra curricular activities such as organizing various events and outreach programs.
- Strong, global alumni engagement of the department.

### **Admission Rules and Regulation:**

- No Entrance Test.
- Application will be accepted only through online mode by using the link [t.ly/cWr7](https://t.ly/cWr7)
- Admission will be granted based on marks obtained in T.Y.B.Sc . examination in SEM V and SEM VI.
- Students who have not received their Semester VI mark sheet can also apply. However, their admission will be provisional.
- Admission will be based on merit. The Merit list will be displayed on the website.
- The admission will be confirmed only after the verification of the documents by the department authority and payment of fee by the student.
- Reservation policy for admissions will be adopted as per the guidelines of University of Mumbai and Govt. of Maharashtra.
- Admission of a student from other universities will be confirmed only after submission of relevant documents.
- Admission related details are available in the Brochure ([t.ly/DM8l](https://t.ly/DM8l))