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FERGUSSON COLLEGE, PUNE

MAIN BUILDING

D.E. Society’s
Fergusson College, Pune

POST GRADUATE CENTRE
IN
PHYSICS

Department of Physics
INFORMATION BROCHURE
YEAR 2015-16
DEPARTMENT HISTORY:

The department of Physics is the largest and oldest department in Fergusson College as per the number of teaching faculty members and students. It was founded in 1903 and the Post Graduation centre was established in 1969.

CURRICULUM:

M.Sc. in Physics is a Two Year Post Graduate course, affiliated to the Savitribai Phule Pune University, with Grantable and Non-Grant divisions. The course has been designed according to the Choice Based Credit System (CBCS). This enables our students to develop a strong base in applied and experimental Physics. Our department offers all core courses along with the Elective Courses such as: Physics of Thin Films, Physics of Nanomaterials, Astronomy & Astrophysics and Electronic Instrumentation.

Apart from PG courses we are also a recognized Research Center in Physics with recognized research guides. The department has many ongoing projects funded by BCUD, ISRO, BRNS, DST, UGC, funding agencies. At present department is having various research projects worth Rs. 50 lacs.

<table>
<thead>
<tr>
<th>Course Name</th>
<th>M.Sc. in Physics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Type &amp; Intake Capacity</td>
<td>Grantable: 30, Non-Grantable: 24</td>
</tr>
<tr>
<td>Eligibility</td>
<td>B.Sc. Physics</td>
</tr>
<tr>
<td>Duration</td>
<td>4 - Semesters (2 Years)</td>
</tr>
<tr>
<td>Selection Process</td>
<td>As per Merit</td>
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</tbody>
</table>

**Additional Compulsory Courses**

(10 Credits):

M.Sc. –I
Introduction to Cyber Security I (1-Credit)
Introduction to Cyber Security II (1-Credit)
Human Rights I(1-Credit)
Human Rights II(1-Credit)

M.Sc. -II
Introduction to Cyber Security III (1 Credit)
Introduction to Cyber Security IV (1 Credit)
Skill Development I (2-Credit)
Skill Development II (2-Credit)

**Future Opportunities and Prospects**:

We guide the students for getting jobs in Academics, Research and Industries by

- Arranging invited talks on cutting edge research areas by renowned scientists.
- Arranging coaching sessions for SET/NET exams.
- Arranging students’ visits to Industries and Research Institutes of National level.