EVALUATIVE REPORT
Department of Physics

1. Name of the Department - Physics
2. Year of Establishment - 1960
4. Names of Interdisciplinary courses and the departments/ units involved - NIL
5. Annual/ semester/choice based credit system (programme wise) - U.G.-Annual P.G.-Annual
6. Participation of the department in the courses offered by other Departments – B.Sc.(PCM) & B.Sc.(PSM) are jointly offered with other departments.
7. Courses in collaboration with other Universities Industries, Foreign Institutions, etc. - NIL
8. Details of courses/ programmes discontinued (if any) with reasons - NIL
9. Number of Teaching posts -

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professors</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Asst. Professors</td>
<td>07</td>
<td>03</td>
</tr>
</tbody>
</table>

04 Temporary Lecturers have been appointed by the Management.

10. Faculty profile with name, qualification, designation, specialization, (D.Sc/D.Litt /Ph.D / M. Phil etc.)

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years of Exp.</th>
<th>No. of Ph.D Students guided for the last 4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tribhuvan Narayan Soorya</td>
<td>M.Sc., NET, GATE</td>
<td>Asst. Professor &amp; In-charge</td>
<td>Electronics, Liquid Crystals, Physics Education</td>
<td>16 years</td>
<td>—</td>
</tr>
<tr>
<td>Dr. Pramod Kumar</td>
<td>M.Sc., B.Ed., Ph.D</td>
<td>Asst. Professor</td>
<td>Electronics, Thin Films</td>
<td>10 years</td>
<td>—</td>
</tr>
<tr>
<td>Dr. Ritu Vishnoi</td>
<td>M.Sc., Ph.D, GATE, JEST</td>
<td>Asst. Professor</td>
<td>Experimental Condensed Matter Physics, Nanotechnology, material Science</td>
<td>02 years</td>
<td>—</td>
</tr>
</tbody>
</table>
11. List of senior visiting faculty – Every year 8-9 senior faculty visit during annual practical examinations and interact with students.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty - 126 / 200 (pd/pd)

13. Student -Teacher Ratio (programme wise) - Programme Ratio UG & PG 96:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled -

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab Assistant</td>
<td>01</td>
<td>—</td>
</tr>
<tr>
<td>Lab Bearer</td>
<td>04</td>
<td>03</td>
</tr>
</tbody>
</table>

01 Temporary Lab Assistant & 01 Temporary Lab Bearer have been appointed by the management.

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D/ M.Phil/ PG. –

- Ph.D - 02
- M.Sc. - 01

16. Number of faculty with ongoing projects from

a) National - 01

b) International funding agencies - NIL

17. Departmental projects funded by DST FIST; UGC, DBT, ICSSR, etc. and total Grants received –

P.I. - Dr. Ritu Vishnoi:

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Title</th>
<th>Duration Yrs.</th>
<th>Funding Agency</th>
<th>Grant (in Lac)</th>
<th>File No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Enhancement in the efficiency of organic solar cell using plasmonics</td>
<td>3 Years</td>
<td>DST, New Delhi</td>
<td>18,96,000.00</td>
<td>SR/FTP/PS-029/2012 dated 4(^th) July 2012</td>
</tr>
</tbody>
</table>

18. Research Centre/facility recognized by the University - Yes (approved by M.J.P. Rohilkhand University, Bareilly).

19. Publications

* a) Publication per faculty
# DETAILS OF PUBLICATIONS BY FACULTY MEMBERS

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Name of Co-Author</th>
<th>Name of Journal</th>
<th>Vol. No.</th>
<th>Page No.</th>
<th>Year</th>
<th>ISSN/ISBN No.</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Tribhuvan Narayan Soorya</td>
<td>A Modification to Maxwell’s Needle Apparatus</td>
<td>Single Author</td>
<td>The Physics Teacher (International)</td>
<td>53</td>
<td>282-284</td>
<td>May 2015</td>
<td>ISSN-0031-921x</td>
<td>Peer Reviewed</td>
</tr>
<tr>
<td>Prof. Tribhuvan Narayan Soorya</td>
<td>Variation of Acceleration due to Gravity in the Interior of the Earth</td>
<td>Single Author</td>
<td>Bulletin of the Indian Association of Physics Teachers (National)</td>
<td>6</td>
<td>144-147</td>
<td>Jun 2014</td>
<td>ISSN-2277-8950</td>
<td>Peer Reviewed</td>
</tr>
<tr>
<td>Dr. Pramod Kumar</td>
<td>Structure properties of lead sulphide thin films prepared by chemical bath deposition</td>
<td>R.K.Sharma</td>
<td>Journal of Chemistry in Asia</td>
<td>1</td>
<td>67-71</td>
<td>2010</td>
<td>ISSN-0975-9468</td>
<td>Peer reviewed</td>
</tr>
<tr>
<td>Dr. Pramod Kumar</td>
<td>Structure Properties of PbSc Thin film from chemical bath technique</td>
<td>Anita Rani, R.K.Sharma</td>
<td>International Transaction in Applied Science</td>
<td>4</td>
<td>153-158</td>
<td>2012</td>
<td>ISSN-0975-3761</td>
<td>Peer reviewed</td>
</tr>
<tr>
<td>Dr. Ritu Vishnoi</td>
<td>Size dependence of martensite transformation temperature in nanostructured Ni-Mn-Sn ferromagnetic shape memory alloy thin films</td>
<td>Davinder Kaur</td>
<td>Surface &amp; Coatings Technology</td>
<td>204</td>
<td>3773</td>
<td>2010</td>
<td>ISSN:0257-8972</td>
<td>Impact Factor: 2.135, SNIP: 1.659, IPP: 2.331, SJR: 0.96, H Index: 119</td>
</tr>
<tr>
<td>Dr. Ritu Vishnoi</td>
<td>Thickness dependent phase transformation of magnetron sputtered Ni-Mn-Sn ferromagnetic shape memory alloy thin films</td>
<td>Rahul Singhal, Davinder Kaur</td>
<td>Journal of Nanoparticle Research</td>
<td>13</td>
<td>3975</td>
<td>2011</td>
<td>1388-0764 print, 1572-896X</td>
<td>Impact Factor: 2.523, SNIP: 0.834, IPP: 2.024, SJR: 0.627, H Index: 76</td>
</tr>
<tr>
<td>Dr. Ritu Vishnoi</td>
<td>Room-temperature ferromagnetism in Sn1-xMnxO2 nanocrystalline thin films</td>
<td>Ajay Kaushal Prerna Bansal Nitin Choudhary Davinder Kaur</td>
<td>Physica B</td>
<td>404</td>
<td>3732</td>
<td>2009</td>
<td>ISSN:0921-4526</td>
<td>Impact Factor: 0.856, SNIP: 0.918, IPP: 1.399, SJR: 0.527, H Index: 74</td>
</tr>
<tr>
<td>Name</td>
<td>Title</td>
<td>Name of Co-Author</td>
<td>Name of Journal</td>
<td>Vol. No.</td>
<td>Page No.</td>
<td>Year</td>
<td>ISSN/ISBN No.</td>
<td>Remark</td>
</tr>
<tr>
<td>--------------------</td>
<td>-----------------------------------------------------------------------</td>
<td>-----------------------------</td>
<td>------------------------------------------</td>
<td>----------</td>
<td>----------</td>
<td>------</td>
<td>---------------</td>
<td>---------------------------------------------</td>
</tr>
<tr>
<td>Dr. Ritu Vishnoi</td>
<td>Energetic ion irradiation induced crystallization of Ni-Mn-Sn ferromagnetic shape memory alloy thin film</td>
<td>R. Singhal, K. Asokan, J. C. Pivin, D. Kanjilal, D. Kaur</td>
<td>Vacuum</td>
<td>89</td>
<td>190</td>
<td>2013</td>
<td>004-207X</td>
<td>Impact Factor: 1.858, SNIP: 1.353, IPP: 1.768, SJR: 0.609, H Index: 58</td>
</tr>
</tbody>
</table>

* Number of papers published in Peer reviewed- 14 Journals (national/international) by faculty and students
* Number of publications listed in Int. Database - As above
(For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, et
* Monographs - NIL
* Chapter in Books - NIL
* Books Edited - NIL
* Books with ISBN/ISSN numbers with details of publishers

Prof. Tribhuvan Narayan Soorya

<table>
<thead>
<tr>
<th>Co-authors</th>
<th>Title of Book</th>
<th>Publishers</th>
<th>ISBN No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rajeev Kaushik, Sanjeev Tyagi</td>
<td>यात्रिकी एवं तरंग गति</td>
<td>Jai Prakash Nath Publications Meerut</td>
<td>978-93-83694-50-1</td>
</tr>
<tr>
<td>Rajeev Kaushik, Sanjeev Tyagi</td>
<td>अणुगतित सिद्धान्त एवं उपभागतिकी</td>
<td>Jai Prakash Nath Publications Meerut</td>
<td>Applied for</td>
</tr>
<tr>
<td>Rajeev Kaushik, Sanjeev Tyagi</td>
<td>मूल परिपथ एवं इलेक्ट्रॉनिकी</td>
<td>Jai Prakash Nath Publications Meerut</td>
<td>978-93-83694-52-5</td>
</tr>
<tr>
<td>Rajeev Kaushik, Sanjeev Tyagi</td>
<td>भौतिक प्रकाशकी एवं लेसर</td>
<td>Jai Prakash Nath Publications Meerut</td>
<td>978-81-88476-72-5</td>
</tr>
<tr>
<td>Rajeev Kaushik, Sanjeev Tyagi</td>
<td>वैद्युत धुर्गाकीकरी</td>
<td>Jai Prakash Nath Publications Meerut</td>
<td>978-81-88476-83-1</td>
</tr>
<tr>
<td>Rajeev Kaushik, Sanjeev Tyagi</td>
<td>क्वांटम यात्रिकी, परमाणुवादी तथा आधिक व्यंजक के तत्त्व</td>
<td>Jai Prakash Nath Publications Meerut</td>
<td>978-81-88476-81-7</td>
</tr>
</tbody>
</table>
20. Areas of consultancy and income generated

Prof. T.N. Soorya shared his expertise in training and finalizing of the official India Team for International Physics Olympiad 2015.

21. Faculty as members in

a) National Committees –
   • Dr. Pramod Kumar is a member of Board of Studies since July 2014
   • Prof. T.N. Soorya is a member of committee responsible for conducting National Graduate Physics Exam since 2007
   • Prof. T.N. Soorya is Life member of Indian Liquid Crystal Society, Indian Science Congress Association, Indian Physics Association and Indian Association of Physics Teachers.
   • Dr. Ritu Vishnoi is life member of Material Research Society of India.

b) International Committees - NIL

c) Editorial Board - NIL

22. Student projects -

a) Percentage of students who have done in-house projects including inter departmental/programme - NIL

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies – NIL

23. Awards / Recognitions received by faculty and students –

Prof. T.N. Soorya

• Appreciation Prize in National Competition in Innovative Experiments in Physics (NCIEP) 2014

Dr. Ritu Vishnoi

• Dr. D.S. Kothari Post Doc Fellowship to carry out post doc work in Indian Universities in 2011
• DST FAST Young Scientist Award for Post Doc work in 2012
24. List of eminent academicians and scientists / visitors to the department – **Tarun Agarwal, Scientific Officer D, AERB Complex, BARC, Mumbai**

25. Seminars/Conferences/Workshops organized & the source of funding
   a) National - NIL
   b) International - NIL

26. Student profile programme/course wise:

<table>
<thead>
<tr>
<th>Name of the Course/programme (Refer question no. 4)</th>
<th>Class</th>
<th>Applications received</th>
<th>Selected</th>
<th>Enrolled *M</th>
<th>*F</th>
<th>Pass percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.Sc (Session 2010-11) Maths</td>
<td>I</td>
<td>900</td>
<td>377</td>
<td>294</td>
<td>83</td>
<td></td>
</tr>
<tr>
<td></td>
<td>II</td>
<td>237</td>
<td>237</td>
<td>139</td>
<td>98</td>
<td></td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>161</td>
<td>161</td>
<td>115</td>
<td>46</td>
<td>95.65%</td>
</tr>
<tr>
<td>B.Sc (Session 2011-12) Maths</td>
<td>I</td>
<td>847</td>
<td>320</td>
<td>205</td>
<td>115</td>
<td></td>
</tr>
<tr>
<td></td>
<td>II</td>
<td>207</td>
<td>207</td>
<td>143</td>
<td>64</td>
<td></td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>242</td>
<td>242</td>
<td>143</td>
<td>99</td>
<td></td>
</tr>
<tr>
<td>B.Sc (Session 2012-13) Maths</td>
<td>I</td>
<td>1010</td>
<td>321</td>
<td>233</td>
<td>88</td>
<td></td>
</tr>
<tr>
<td></td>
<td>II</td>
<td>257</td>
<td>257</td>
<td>153</td>
<td>104</td>
<td></td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>202</td>
<td>202</td>
<td>134</td>
<td>68</td>
<td>96%</td>
</tr>
<tr>
<td>B.Sc (Session 2013-14) Maths</td>
<td>I</td>
<td>703</td>
<td>319</td>
<td>201</td>
<td>118</td>
<td></td>
</tr>
<tr>
<td></td>
<td>II</td>
<td>207</td>
<td>207</td>
<td>141</td>
<td>66</td>
<td></td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>271</td>
<td>271</td>
<td>165</td>
<td>106</td>
<td>91.14%</td>
</tr>
<tr>
<td>B.Sc (Session 2014-15) Maths</td>
<td>I</td>
<td>693</td>
<td>317</td>
<td>203</td>
<td>114</td>
<td></td>
</tr>
<tr>
<td></td>
<td>II</td>
<td>254</td>
<td>254</td>
<td>142</td>
<td>112</td>
<td></td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>204</td>
<td>204</td>
<td>139</td>
<td>65</td>
<td>93.13%</td>
</tr>
<tr>
<td>M.Sc (Session 2010-11)</td>
<td>Pre.</td>
<td>*</td>
<td>20</td>
<td>10</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Final</td>
<td>12</td>
<td>12</td>
<td>7</td>
<td>5</td>
<td>83.33%</td>
</tr>
<tr>
<td>M.Sc (Session 2011-12)</td>
<td>Pre.</td>
<td>*</td>
<td>20</td>
<td>13</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Final</td>
<td>12</td>
<td>12</td>
<td>5</td>
<td>7</td>
<td>100%</td>
</tr>
<tr>
<td>M.Sc (Session 2012-13)</td>
<td>Pre.</td>
<td>*</td>
<td>20</td>
<td>11</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Final</td>
<td>14</td>
<td>14</td>
<td>6</td>
<td>8</td>
<td>100%</td>
</tr>
<tr>
<td>M.Sc (Session 2013-14)</td>
<td>Pre.</td>
<td>*</td>
<td>17</td>
<td>10</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Final</td>
<td>19</td>
<td>19</td>
<td>11</td>
<td>8</td>
<td>100%</td>
</tr>
<tr>
<td>M.Sc (Session 2014-15)</td>
<td>Pre.</td>
<td>*</td>
<td>19</td>
<td>11</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Final</td>
<td>10</td>
<td>10</td>
<td>7</td>
<td>3</td>
<td>100%</td>
</tr>
</tbody>
</table>

* M = Male  *F = Female

* Admission in P.G. Classes through University Entrance Examination.
27. Diversity of Students

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of students from the same state</th>
<th>% of students from other states</th>
<th>% of students from abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.G.</td>
<td>99%</td>
<td>1%</td>
<td>NIL</td>
</tr>
<tr>
<td>P.G.</td>
<td>99%</td>
<td>1%</td>
<td>NIL</td>
</tr>
</tbody>
</table>

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? –

We do not have a mechanism to trace our students, however a list of few students (since 2007), pursuing Physics as a career, has been prepared-

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Name</th>
<th>Course Pursued in Vardhaman College</th>
<th>Present Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Richa Arya</td>
<td>B.Sc., M.Sc.</td>
<td>Post Doctoral Fellow, Portugal</td>
</tr>
<tr>
<td>2</td>
<td>Priyanka Tyagi</td>
<td>B.Sc., M.Sc.</td>
<td>Post Doctoral Fellow, South Korea</td>
</tr>
<tr>
<td>3</td>
<td>Nidhi Sharma</td>
<td>B.Sc., M.Sc.</td>
<td>Post Doctoral Fellow, Japan</td>
</tr>
<tr>
<td>4</td>
<td>Lalit rajpoot</td>
<td>B.Sc., M.Sc.</td>
<td>Qualified in NET JRF three times</td>
</tr>
<tr>
<td>5</td>
<td>Jyoti Rani</td>
<td>M.Sc.</td>
<td>Post Doctoral Fellow, IIT Bombay</td>
</tr>
<tr>
<td>6</td>
<td>Ankita Gaur</td>
<td>M.Sc.</td>
<td>Post Doctoral Fellow, France</td>
</tr>
<tr>
<td>7</td>
<td>Ritu Vishnoi</td>
<td>B.Sc.</td>
<td>Faculty, Vardhaman College</td>
</tr>
<tr>
<td>8</td>
<td>Tarun Agarwal</td>
<td>B.Sc.</td>
<td>Scientist D, BARC, INDIA</td>
</tr>
<tr>
<td>9</td>
<td>Preeti Sharma</td>
<td>B.Sc.</td>
<td>Ph.D Scholar, France</td>
</tr>
<tr>
<td>10</td>
<td>Bhaskar Singh</td>
<td>B.Sc.</td>
<td>Ph.D Scholar, Germany</td>
</tr>
<tr>
<td>11</td>
<td>Anant Kumar</td>
<td>B.Sc.</td>
<td>Ph.D Scholar, Greece</td>
</tr>
<tr>
<td>12</td>
<td>Parth Vashishth</td>
<td>B.Sc.</td>
<td>Ph.D Scholar, New Zealand</td>
</tr>
<tr>
<td>13</td>
<td>Akshay Bhatnagar</td>
<td>B.Sc.</td>
<td>Ph.D Scholar, IISc, Bengaluru</td>
</tr>
<tr>
<td>14</td>
<td>Mohammad Ismaiel</td>
<td>B.Sc.</td>
<td>Ph.D Scholar, NIO Goa</td>
</tr>
<tr>
<td>15</td>
<td>Dushyant Kumar</td>
<td>B.Sc.</td>
<td>Ph.D Scholar, IIT Kanpur</td>
</tr>
<tr>
<td>16</td>
<td>Gaurav Tomar</td>
<td>B.Sc.</td>
<td>Ph.D Scholar, PRL Ahmedabad</td>
</tr>
<tr>
<td>17</td>
<td>Ravi Prakash NTripathi</td>
<td>B.Sc.</td>
<td>Ph.D Scholar, IISER, Pune</td>
</tr>
<tr>
<td>18</td>
<td>Shubhanshu Chauhan</td>
<td>B.Sc.</td>
<td>Ph.D Scholar, IISER, Pune</td>
</tr>
</tbody>
</table>
29. Student progression -

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>60%</td>
</tr>
<tr>
<td>PG to M.Phil.</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>PG to Ph.D</td>
<td>5%</td>
</tr>
<tr>
<td>Ph.D to Post-Doctoral</td>
<td>NA</td>
</tr>
</tbody>
</table>

Employed
- Campus selection
- Other than campus recruitment

Entrepreneurship/Self-employment
- NIL
- UG - NIL
- PG - 80%

30. Details of Infrastructural facilities
a) Library - There is a spacious and well organized central library facility in the campus. It has sufficient number of books. It also offers a Book Bank facility. The process for setting up a Department Library is initiated.
b) Internet facilities for Staff & Students -
   Internet facility is available through Network Resource Centre.
c) Class rooms with ICT facility - NIL
d) Laboratories
   UG-03(1 dark room)
   PG-02(1 dark room)

31. Number of students receiving financial assistance from College, University, Government or other agencies -
Meritorious students are getting scholarship under INSPIRE programme of DST, Govt. of India. SC/ST, OBC and low income group of GEN category students are getting fee reimbursement/scholarship from State Govt.

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts -
Department frequently arranges interactions of its students with external experts/alumni. Some of the recent visitors are-
- Dr. Priyanka Tyagi, Post Doctoral Fellow, Seoul National University, South Korea on 02/11/2015
- Ms. Preeti Sharma, Research Scholar at University Joseph Fourier, Grenoble, France on 21/12/2015
33. Teaching methods adopted to improve student learning -

- Prof. T.N. Soorya has developed short duration Physics Demonstration Experiments and used these to instruct B.Sc. students.
- Design and Fabrication type experiments has been developed by Prof. T.N. Soorya and the same has been introduced for the M.Sc. students.
- Prof. T.N. Soorya has written a workbook for B.Sc. III Year Lab
- Dr. Ritu Vishnoi is conducting Pre Examination Assessment Tests for M.Sc. students.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities -

- Prof. T.N. Soorya participated as Judge in DST INSPIRE Programme in 2012, 2015 and in Children’s Science Congress in 2012, 13, 15
- Dr. Pramod Kumar participated as Judge, in State Level Childrens in Science Exhibition of MHRD

35. SWOC analysis of the department and Future plans-

Strengths-

- Qualified, Competent and Dedicated Faculty with a passion for teaching and motivating students for pursuing higher studies in Physics. It is due to this consistent effort that our passout students can be found in reputed institutes namely IISc- Bengaluru, IISER- Pune, IIT- Mumbai, IIT-Kanpur, NIO-Goa, BARC-Mumbai and PRL Ahmedabad, and even abroad including France, Portugal, Greece, South Korea, Germany, Sweden and New Zealand pursuing Ph.D and Post Doctoral work.

Weaknesses-

- No of sanctioned faculty is far short of the requirement calculated according to UGC norms. We have no freedom to design and modify our syllabus according to the latest trend. There is no scope for project based learning in the syllabus.

Opportunities-

- The students after passing their 12th exam have the choice of pursuing professional courses or pure science. Recently, because of the recession in the IT sector, the sincere students have started giving first preference to the Pure Science, which has provided us an opportunity to get good students.

Challenges-

- Our department offers B.Sc. (Pass) course and M.Sc. course under annual system. Whenever our students sit in the competitive exams at the national level, they have to compete with B.Sc. (Honours) students
as well students studying under semester system. However, our students will overcome this challenge in future as they did in the past.

**Future Plans**

- We would like to increase the experimental setups so that more number of students can be accommodated at a time. Besides lecture based teaching, we would like to include other innovative teaching methods, so that students can understand basic concepts easily. We also would like to organize training workshops for the teachers and students and to establish a good infrastructure facility for research.

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