



AcSIR | वैज्ञानिक तथा नवोन्मेषी
अनुसंधान अकादमी

AcSIR | Academy of
Scientific & Innovative Research



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The Academy of Scientific and Innovative Research (AcSIR) was established through a Gazette notification dated 2nd April 2012 with a view to emerge as a world class institution of national importance.

Under AcSIR, CSIR-NPL is running a Ph.D. programme and an Integrated M.Tech.-Ph.D. (IMP) programme in Advanced Materials Physics and Engineering.

The important aspect of the programme is that the course work has been designed in such a manner to provide emphasis on both, the theoretical aspects of fundamentals of material physics and engineering of materials for development of components and devices. The state of the art research facilities and research expertise of scientific manpower of the laboratory acting as the faculty makes the programme very unique and different.

Various courses offered during different semesters under the Ph.D. & IMP programme are as follows:

- Fundamentals of Electronic Materials & Semiconductor Devices
- Physics & Technology of Thin Films
- Advanced Materials Characterization Techniques
- Nanostructured Materials
- Quantum Optics & Advanced Solid State Optical Devices
- Engineering Materials
- Research Methodology, Scientific Writing & Communication Skills
- Superconductivity & Magnetic Materials
- Advanced Measurement Techniques & Metrology
- Advanced Computational Physics

Ph.D. Programme

- 14 students were enrolled in August 2012 batch.
- 9 students were enrolled in Jan. 2013 batch.
- As on March 2013 total number of students registered were 54.

Integrated M.Tech.-Ph.D. (IMP) programme

- In August 2012 session, 9 students were enrolled at CSIR-NPL under this programme
- As on March 2013, total number of students (2011 & 2012 batch) under this programme were 15.
- 4 students of 2011 batch published several research papers in SCI journals during the last semester.



A classroom view of AcSIR