



# INTERNATIONAL COLLABORATIONS

— at Indian Institute of Science Education & Research (IISER) Pune

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# Creating Opportunities Fostering Scientific Talent

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HARNESSING NEW  
OPPORTUNITIES IN  
PROJECTS, TRAINING,  
AND COLLABORATIONS  
FOR THE SCIENTIFIC  
COMMUNITY

The Internationalization Strategy at the institute is founded on four pillars each of which contribute to strengthening the mission and mandate of IISERs: education, research, capacity building, and cultural engagement. The strategy seeks to ensure that IISER Pune continues to contribute in building a global brand in the area of higher education and research.

## EDUCATION

Train human resource that plays a leading role in contributing to the development of global society

### BSc (Blended) Program

In collaboration with University of Melbourne, Australia, IISER Pune is closely involved in initiating a new blended three-year Bachelors in Science course at Savitribai Phule Pune University (SPPU). Launched in May 2016, this program aims to strengthen science education at the undergraduate level and offers an internationally recognized degree. It offers students a comprehensive background in basic sciences and prepares them well for taking up higher studies in any discipline at reputed institutes in India, Australia, and other countries.

In the first phase, the BSc (Blended) course is being implemented at Modern College (Shivajinagar), Pune from the academic year 2016. Faculty members from IISER Pune, UoM, and SPPU have together developed the curriculum and defined teaching and learning outcomes along with a transparent evaluation system.

## RESEARCH

Promote and support world class research and build a nurturing environment for global brain circulation

### Dual Masters-Doctorate Degree (DMDD) Program with Temple University, USA

This is an accelerated Dual Masters-Doctorate Degree (DMDD) program leading to a Masters degree from IISER Pune and a Doctoral degree from Temple University. The joint program consists of a five-year curriculum of undergraduate level courses at IISER Pune followed by a four-year curriculum of graduate level courses at Temple. The first four years of the program will consist of courses and research taken and conducted at IISER Pune, and the next five years at Temple.

### Other ongoing projects

Joint research funded by UKIERI (2 projects), CEFIPRA (3 projects), DAAD (1 project), Max Planck (1 project), Indo-Russia (1 project), CNRS (1 International Program for Scientific Cooperation)

### Student and faculty exchange

between partnering institutions funded by Erasmus+.

## CAPACITY BUILDING

Promote industry-academia collaborations for facilitating innovative solutions to societal challenges

### Joint Research Centre

Efforts are on to initiate student internships with industry. A Letter of Intent has been signed with the University of Queensland to create a new Joint Research Centre for Collaborative Impact. The Centre will address areas of mutual strength and opportunity, including energy, genomics and infectious disease, and will focus exclusively on problems linked to industry.

**Training workshops** in the area of Science Policy, Science Administration and Management, and Science Journalism with funding support from British Council have been held with experts from University College London and Coventry University.

## CULTURAL ENGAGEMENT

Provide opportunities for cultural exchange and engagement

### Gottingen Pune Outreach Centre (GPOC)

Funded by German Federal Ministry of Education and Research (BMBF), GPOC is a new and exciting collaboration between IISER Pune and University of Goettingen (UGOE) and it is a unique project with focus on science outreach. The intent of GPOC is to have a learning space that could have elements such as an exhibition area, information about Göttingen Campus, working experiments (UGOE has three experiments from PhyWe)/demo models, Nobel Prize experiments (in collaboration with Nobel Museum, Stockholm), and space for open discussions. The space will be open to public and can be utilized for academic events.

**Language Programs in French and German** are offered at IISER Pune in collaboration with the Embassy of France/Institut Francais en Inde and DAAD, respectively, for the benefit of IISER Pune students and staff. IISER Pune also hosts events such as the French Circus Show organized by Alliance Française Pune.



**IISER Pune has active MoUs with the following foreign universities and organizations towards promoting research collaborations, pedagogy development, and student exchange.**

**AUSTRALIA**

University of Melbourne

**FRANCE**

Ecole Normale Supérieure (ENS) de Lyon

The Centre National De La Recherche Scientifique (CNRS)

Embassy of France in India, Science and Technology Service

Alliance Française de Pune

**GERMANY**

Max Planck Institute of Colloids and Interfaces, Potsdam

Georg-August-Universität, Göttingen

Leibniz University, Hannover

The Max-Planck-Gesellschaft (MPG), Germany (Joint MoU with all IISERs)

**UK**

University of Bath

University of Glasgow

Southeast-India Partnerships Network

Consortium of British Universities led by the University of Surrey

**ITALY**

University of Parma

**USA**

Temple University

Ohio State University

New Mexico State University

**CANADA**

IC-IMPACTS Centre of Excellence hosted at the University of British Columbia

Enovex Technology Limited

**SINGAPORE**

Bioinformatics Institute

National University of Singapore

**JAPAN**

School of Life Science, SOKENDAI (The Graduate University for Advanced Studies)

Brain Science Institute, RIKEN

International Center for Materials Nanoarchitectonics (MANA)

National Institute for Materials Science, Tsukuba

Hokkaido University

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