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India and Germany



Cooperative Research - Working together in India



Scientists from leading German universities are currently involved in many projects with Indian institutions. Their aims include technological development, the improvement of healthcare facilities and the enhancement of scientific progress. A significant example is the establishment of telemedicine outreach stations in rural India. Seventy percent of people in India live in rural areas, yet the vast majority of medical facilities and specialized doctors are located in the cities. Telemedicine takes advantage of the fact that the cellular phone network covers 80 percent of the country by using its technology to link people in far-flung locations.

Telemedicine for rural India

The German project partner, the University of Karlsruhe, is working together with the Indian Institute of Technology, Madras, to develop affordable and easily-operated machinery that can transmit medical data from rural healthcare stations to medical doctors in the city. The name of this project is "Telemedicine station for rural health monitoring and the diagnosis of epidemic diseases." It will enable rural healthcare workers to be guided in their treatment of patients by medical doctors or even specialists, and therefore provide their patients with higher quality primary, secondary and tertiary care.

Next generation Internet technologies

Another form of technological development, which profits from the Indo-German partnership, is Internet technology. The Internet is the most efficient medium of worldwide communication. It is therefore necessary to lay solid ground work in India – specifically, a reliable routing infrastructure and a stable safety network. Amrita University (Ettimadai) and the Technical University Berlin are the partners currently working on the project "Next Generation Secure Internet Technologies for Globally Distributed Enterprises."

Bacteriological research

The Helmholtz Association (HGF) is Germany's largest scientific organization with many different research centers. Similar to other German institutions, it prides itself on a longstanding relationship with India and joint research activities are currently ongoing in several of its divisions. One example is an STC-supported project entitled "Adaptation of bacteria capable of degrading chlorinated nitrophenols; biochemical and molecular studies." The project was started in March 2008 by a team of scientists from the Helmholtz Centre for Environmental Research (UFZ) and the Indian Institute of Microbial Technology (IMTECH), Chandigarh.

Treatment against infectious diseases

Professor Mlynek, the president of the Helmholtz Association, visited India in April 2007 to open the Indo-German Science Centre for Infectious Diseases (IG-SCID), which is testament to the Helmholtz Association's commitment to working in partnership with India. The IG-SCID brings together the Indian Council of Medical Research (ICMR), the Helmholtz Centre for Infection Research (HZI) and the Hanover Medical School (MHH) and aims to foster cooperation through joint workshops and exchange programs to develop novel strategies for vaccines and anti-infectives.

**Indian and German firms**

More and more leading Indian and German firms are branching out across the continents and profiting from scientific expertise in their partner country. The German company Bosch and the Indian wind turbine technology company Suzlon are a good example for this development.

[more](#)

The Indo-German Science and Technology Centre - Promoting



scientific collaboration

The Indo-German Science and Technology Centre (IGSTC) is a joint initiative founded by the German Federal Ministry of Education and Research and the Indian Ministry of Science and Technology to provide funding and support for joint scientific projects.

more

University of Karlsruhe



[http://www.uni-karlsruhe.de/index_en.php]

Nationwide, the Universität Karlsruhe ist the best university as far as the courses Computer Sciences, Mechanical Engineering and Business Engineering are concerned.

Homepage [http://www.uni-karlsruhe.de/index_en.php]

Indian Institute of Technology



[<http://www.iitd.ac.in/>]

Indian Institute of Technology Delhi is one of the seven Institutes of Technology created as centres of excellence for higher training, research and development in science, engineering and technology in India

Homepage [<http://www.iitd.ac.in/>]

Amrita University



[<http://www.amrita.edu/new/index.html>]

The University has come to be known today as one of India's leading research and teaching universities.

Homepage [<http://www.amrita.edu/new/index.html>]

Technische Universität Berlin (TU Berlin)



[http://www.tu-berlin.de/menue/home/parameter/en/?no_cache=1]

The TU Berlin strives to promote the dissemination of knowledge and to facilitate technological progress by adhering to the principles of excellence and quality.

TU Berlin Homepage [http://www.tu-berlin.de/menue/home/parameter/en/?no_cache=1]

Indian Institute of Microbial Technology (IMTECH)



[<http://www.imtech.res.in/>]

IMTECH is one among the chain of 38 national laboratories functioning under the aegis of Council of Scientific & Industrial Research (CSIR).

IMTECH Homepage [<http://www.imtech.res.in/>]

Helmholtz Association [<http://www.helmholtz.de/en/>]



[<http://www.helmholtz.de/en/>]

The Helmholtz Association aims to contribute to solving the challenges which face society in the fields of Energy, Earth and Environment, Health, Key Technologies, Structure of Matter and Transport and Space.

Helmholtz Association [<http://www.helmholtz.de/en/>]

Helmholtz Center for Infection Research (HZI) [<http://www.helmholtz-hzi.de/en/>]



[<http://www.helmholtz-hzi.de/en/>]

HZI studies pathogens which are medically relevant or can be used as models for researching infection mechanisms.

Helmholtz Centre for Infection Research (HZI) [<http://www.helmholtz-hzi.de/en/>]

Indian Council of Medical Research (ICMR)



[<http://icmr.nic.in/home.htm>]

The Indian Council of Medical Research (ICMR) is the apex body in India for the formulation, coordination and promotion of biomedical research.

ICMR Homepage [<http://icmr.nic.in/home.htm>]

Hannover Medical School (MHH)



[<http://www.mh-hannover.de/index.php?id=2&L=1>]

The Hannover Medical School, founded in 1965, is one of the world's leading university medical centres.

MHH Homepage [<http://www.mh-hannover.de/index.php?id=2&L=1>]