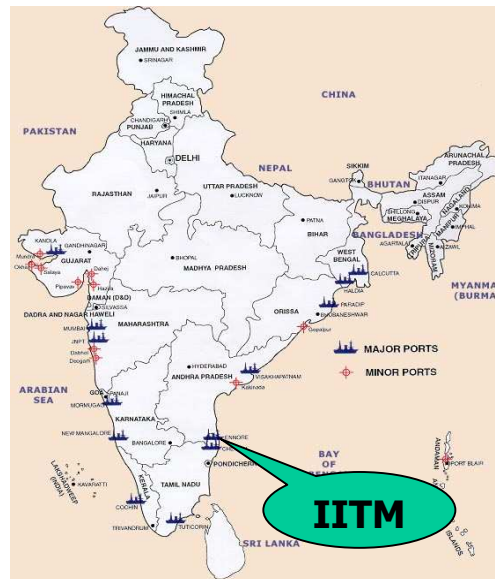


Partnerships with third-country higher education institutions – the academic and intercultural added value

The view from IIT Madras



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Introduction

IIT Madras is situated in a self-contained, beautiful, green residential campus of about 250 hectares of lush green forest with all the modern amenities and support services.

The city of Chennai is also the capital of Tamilnadu state on the southeastern coast of India. The fourth largest city in India is about 350 years old (1639) and formerly known as Madras.

Chennai is a coastal city with the second largest beach in the world known as 'Marina' beach. The heritage of Chennai is a major attraction for travelers with in its rich culture and fine arts. Chennai is also a home for Yoga – one among the group of ancient spiritual practices.

IIT Madras is one among the third country partners involved in the joint Master of Science program in Hydroinformatics.

IIT Madras has provided an avenue for the registered students to work on the different aspects of maritime hydraulics for which the facilities available in IITM are distinct.



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Introduction

IIT Madras – The vision: To be an academic institution in dynamic equilibrium with its social ecological and economic environment striving continuously for excellence in education, research and technological service to the nation.

OUR MISSION

- To create and sustain a community of learning in which students acquire knowledge and learn to apply it professionally with due consideration for ethical, ecological, and economic issues.
- To pursue research and disseminate research findings.
- To provide knowledge-based technological services to satisfy the needs of society and the industry.
- To help in building national capabilities in science, technology, humanities, management, education and research.



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Academic Friendship

European Universities

GERMANY

- Universitaet- Wuppertal
- Hochschule Bremen
- LImenau Technical University
- T.U. Braunschweig
- T.U. Darmstadt
- T. U. Hamburg-Harburg
- T.U. Munchen
- Univeristy of Kaiserslautern

AUSTRIA

- University of Vienna
- Friedrich Alaxander University
- Johannes Kepler University

BELGIUM

University Libre de Bruxelles

FRANCE

- The University Francois-Rabelais in Tours
- Toulouse University Network

SWITZERLAND

- Indo Swiss Academic Alliance
- Institut Universitaire D'etudes Du Developpement (IUED), Geneva
- Swiss Federal Institute of Technology (EPFL)

THE NETHERLANDS

- Christelije Hogeschool, Windsheim
- Technische Universiteit Eindhoven.

Other Universities in

AUSTRALIA; CANADA; ISRAEL; JAPAN; KOREA; MALAYSIA; MAURITUS; NEPAL;
SINGAPORE and UNITED STATES OF AMERICA



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Department of Ocean Engineering

Mission

- Act as a Center of Excellence for advancing the frontiers of Ocean Engineering.
- Develop education and training programs in the field of Ocean Engineering.
- Provide infrastructure and expertise in order to carry out R & D in areas of Ocean Engineering and related fields.
- To collaborate with user organisations on need based problems.

Academic and Research Programs

- B.Tech, M.Tech (Dual Degree), M.Tech, M.S and Ph.D.
- The students get to work in many practical problems through our projects.
- Exchange visits to partner universities.
- DAAD Exchange program in a Sandwich-Model.

Research Funding from:

DAAD; DFG; EU; GTZ and VW.



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Role in Erasmus Mundas

- Among the partners involved in the Hydroinformatics joint master of science program IIT Madras will be an avenue for the registered students to work on the different aspects of maritime hydraulics for which the facilities and faculty available in IITM are world class.
- Involvement in practical problems - In the past a student from University of Nice, France has completed his project work at IITM on “Tidal flow modelling of Arnala Fishing Harbour in Maharashtra”.
- Involvement of IITM in the above program provides an excellent opportunity for the European students to use the facilities which are not available in the partner universities.
- An opportunity is also provided to interact and understand various intercultural aspects. This includes Yoga; Dance and Societal problems.



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Role in Erasmus Mundas – more opportunities

Dear professors,

- > In India, for my Action3 I have found an EXCELLENT internship, working
- > in a project called "HELP WATER AND SANITATION", carried out by the
- > RED CROSS. It is a water management project, and I would be actively
- > working with some engineers in providing water and sewerage to some
- > areas.

- > This project must be carried out in Bhubaneswar, close to (some 2000km) the
- > University of Madras (IIT Madras).
- > If there is no inconvenience, I can join the programme very soon.
- > Of course I can combine this activity, depending on the work load, with
- > more activities proposed by Prof. Murali, but for me, this project is
- > the best option.
- >
- > Therefore I am waiting for your answer. As soon as I get a positive
- > answer I will join them. As professor Gourbesville said, I have been
- > actively looking, so I got my chance for this opportunity.
- > I feel this is a great internship, and involves EUROAQUAE with
- > humanitarian projects, as well as the Red Cross is a very powerful
- > organisation, from where I can GAIN CONTACTS.
- >
- > keep waiting for your answer,
- > Kind regards,

Gines Espada.

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Role in Erasmus Mundus – Response

Dear professor Murali,

So far, I'm glad to say that I am happy to be involved in the technical office in Bhubaneswar, working on the technical aspects of a project named "Health, Water and Sanitation" (at first, I thought the first word was "help", a misunderstanding) The work we are doing involves several aspects of the project: informatics, including desing and modelling, planning, and field implementation. which should be based on a GIS system, in which ...

In addition, we are providing water and sanitation to high interest points, as schools and anganwadis in rural areas, where a good quality in water and an efficient sanitation are crucial. We will start the design process ... Some technical aspects involving the wells have appeared, This point is very challenging to me, given that our budgets are closed, and finding good solutions at a fair price feels complex... Every week we go to the field,

... This is an excellent opportunity to learn other points of view, ways of managing projects, and learning how to adapt myself to special working conditions.

As a parallel activity, we are also in touch with the German red cross, ... which is developing anti-disaster constructions. I kindly ask you that if it is necessary that I go to your office to sign some papers....

To finish, I would like to thank you that you allowed me to take this internship, that I consider very excyting and mind-growing for myself.

Best regards,
Gines Espada



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Role in Erasmus Mundas – The benefits

Exposure of European students to work and experience in rapidly Developing economies that are very different from European conditions....

The benefits for our students and engineers the **other** point of view and **other** professional work style....

The benefits for European and Indian students by working together a IIT Madras or elsewhere.....

And so on....



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Thanking You

— Murali. K



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