



# CENTRE FOR INTERNATIONAL RELATIONS

ANNA UNIVERSITY, CHENNAI – 600 025, INDIA

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JLC315/CIR/2023

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## CIRCULAR

Warsaw University of Technology, Poland is offering an Immersion program entitled “**Modern Aerospace Engineering with elements of Robotic**”.

The program is for two (2) weeks from 16.07.2023 to 28.07.2023. Seats are limited. The program fee is Rs. 80,000/- which includes the following :

- Tuition fees
- Accommodation
- Airport-University Campus-Airport transfers
- All local travel – Warsaw city travel card for unlimited travel within city.

The fee does not cover : Flight ticket / Visa charges / Food / out of Warsaw travel & other personal expenses.

Interested students of Anna University, Chennai (CEG, ACT, SAP and MIT campuses) can apply for this immersion program. Students can send their detailed applications forwarded through their Head of the Department to the Director, Centre for International Relations on or before **07<sup>th</sup> April 2023**. More details are available on the next page.

For further details, kindly contact **Mr. K. Ravichandran** at 9677618559.

  
DIRECTOR 1/2/23

To  
All Deans of campuses  
All Directors and HODs (With a request to display on notice board)

DIRECTOR  
CENTRE FOR INTERNATIONAL RELATIONS  
ANNA UNIVERSITY  
CHENNAI - 600 025, INDIA.



## **Warsaw University of Technology**

### **Faculty of Power and Aeronautical Engineering**

### **Institute of Aeronautics and Applied Mechanics**



**Immerse yourself at  
*@Warsaw University of Technology, Warsaw, Poland* where  
the most cited researchers in the world went to.**

Established in 1895, the Warsaw University of Technology is an academic institution of higher learning, shaping the future social elites – educated people with a broad outlook on the world, conscious of their own views but also understanding and respecting the world views of others. The University gives shape to the minds of its student, forges their characters, awakens in them the kind of creative attitudes engineers should display, furnishing them not only with knowledge but also with skills. Working uninterruptedly, the University has been producing generations of graduates and has had an increasing number of scientific and technical achievements.



It is the best technical university in Poland; in the ranking of Polish universities, it has taken the first place in its category for fifteen years. At Warsaw University of Technology, over 160 student research groups, organisations and associations are active, and the educational offer includes many fields of study (also with English as a medium of instruction).

The Faculty of Power and Aeronautical Engineering was established in 1960 by joining the former Faculties of Aeronautics and Mechanical Design. The purpose of the fusion was to create a department offering education in the most important branches of engineering, as one can say, producing a catalyst by a technical progress. The Faculty, in view of both, the intellectual capacity as well as its experimental background, is perfectly suited to become the research centre for aeronautical sciences as well as power and heat transfer technology in Poland, providing a forum for interesting meetings, seminars and even “brain storming” sessions. With such variety of interfering fields of science like aerospace technology, power engineering, robotics, ecological technology for energy transfer, biomechanics and robotics, being explored and developed at the same place, the Faculty offers excellent prospects stimulating scientific progress as well.



## Immersion Program : Course summary

### ***Modern aerospace engineering with elements of robotic\****

#### **Robotic (12 hours):**

1. Introduction and outline of the history of robotics.
2. Terminology
3. Past and current industrial and research trends in robotics
4. Basics of the mechanical, hardware and software structure
5. Biologically inspired robotics and motion synthesis
6. Human motion principles versus humanoid motion
7. Future of robotics
8. The master program in robotics – overview

#### **Aerospace engineering (20 hours):**

1. History of aviation
2. History of space exploration
3. Aeronautical terminology
4. Introduction to aerodynamic
5. Introduction to aircraft anatomy and design
6. Introduction to avionics
7. Principle of flight
8. Introduction to aeronautical modelling
9. The master program in aerospace engineering – overview
10. Laboratory tour



#### **Basic students skills required:**

- Interest in engineering, basic technical knowledge
- Project (5hrs): Students are expected to propose their own concepts in a mini project on what they learn

*\*The course contents may be modified (if necessary)*

#### **Program Highlights:**

- The proposed courses (summer schools) will be conducted by the Faculty of Power and Aerospace Engineering
- One lecture hour includes 45 minutes of lecture and 15 minutes break. One laboratory hour includes 60 minutes of classes.
- Courses are conducted in English

# Wonderful Warsaw

Standing on the River Vistula, Warsaw is the capital and largest city of Poland. Warsaw offers so many things to do and see and has everything you want when you're going on a city break; incredible landmarks; beautiful old town streets and squares; lively parks and gardens; cool museums; hearty local food; vibrant nightlife.

The Old Town is the oldest part of Warsaw — the King's Castle and its surrounding walls were built in the 13th century. Most of the area was destroyed by the Nazis during World War II but was meticulously rebuilt — a project that was finally completed in the 1980s and earned a place on the UNESCO World Heritage List. Today it is a lively place full of galleries, cafés and restaurants.

With stunning modern buildings alongside pre-war architecture, there's no denying that Warsaw is one good-looking (and interesting) city. While some landmarks were reconstructed like the Old Town and Royal Castle, you can also find historic buildings that had survived the war like the Wilanow Palace. Other important landmarks like the Palace of Culture and Science were built after the war and they are breathtaking beauties that you wouldn't want to miss.

Church of St. Martin (Kościół św. Marcina), Old Town Market Square (Rynek Starego Miasta), Royal Łazienki Park, Royal Route, Palace of Culture and Science, Warsaw Uprising Museum, Tomb of the Unknown Soldier, Warsaw Uprising Monument, Copernicus Science Centre are some of the must do's in Warsaw. Krakow & Auschwitz are places to see.





## The IMMERSION PROGRAM DETAILS:

**Program Duration:** 2 weeks

**Program Schedule:** 16 - 28 July 2023

**Program Fee:** INR 80,000

**The Program fee covers:**

- Tuition fees
- Accommodation - The students will be accommodated in university accommodation, two students in one room
- Airport-University Campus-Airport transfers
- All local travel - Warsaw City travel card - for unlimited travel within city.

**The fee does not cover:** Flight ticket / Visa Charges / Food / out of Warsaw travel & other personal expenses.

- Within 2 weeks program period, 2 working days will be left free for self-supported activities
- The students may choose to visit Krakow & Auschwitz, if you're looking for a tourist-friendly experience out of Warsaw, that ticks of all the reasons that makes Europe such a great destination – old towns, impressive architecture, scenic strolls, cute cafes, and a great selection of day trips.

*Talk to us for travel assistance - Flight tickets / Visa Process / Local Tour Planning.*

**Application Submission Deadline: 7 April 2023**  
**Fee Payment Deadline: 28th April 2023**

### Contact us

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www.immersionglobal.com

*Warsaw awaits you ✨*

