

**Prof. R. Baskaran**

Director

Circular427/CIR/2025

Date : 23.01.2025

## CIRCULAR

Immersion Global is offering a 12-day **Immersion Program on AI & ML Global Immersion Program at Aalto University, Finland**, during **21.07.2025 to 01.08.2025** for Undergraduate and Postgraduate students. **Two (2) ECTS credits provided by Aalto University, Finland.**

This program cost is Rs. 1,80,000/- + 5% tax which includes the following :

- Tuition fee of 1200 Euros,
- Accommodation (Twin sharing)
- Airport/hotel/airport transfers, Helsinki City Travel card for unlimited travel within city
- The Flight ticket charge, visa charge, Food, personal sightseeing & other expenses have to be borne by students

This is an International Program conducted by Aalto University and hence students from other countries will be participating in the program. This is an opportunity for our Indian Students to learn alongside the International students.

Interested students of Anna University, Chennai (CEG, ACT, SAP and MIT campuses) can apply for this immersion program. Students can send their application (A covering letter addressed to the Director, CIR, Anna University) forwarded from their Head of the Department to **the Director, Centre for International Relations on or before 07<sup>th</sup> March 2025.** More details are attached on the next page.

Kindly register through the following weblink :

<https://forms.office.com/Pages/ResponsePage.aspx?id=JE-AbgkCzU2siZdSXt29MDqy1tVs29pMprwfsRJCBYRUN0dUWTEzWFNTM0E5UIJEWTRWTFBMUki4Ti4u>

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



*Baskaran*  
23-01-2025  
DIRECTOR



**Phone**

+91-44-2235 8561 (O)



**Email**

director.cir@annauniv.edu



**Address**

Sardar Patel Road, Guindy, Chennai - 25

# A?

Aalto University  
Summer School



## AALTO UNIVERSITY

Aalto University was formed in 2010 through a merger of three leading Finnish universities representing the fields of science and technology, design and art, and business and economics. The school was named after the Finnish architect and designer Alvar Aalto, who designed many of the university's buildings on the Otaniemi campus.

Aalto University's ranking 2023 QS World University Ranking, is first among Finnish universities and 109th in the overall worldwide ranking. At Aalto Scientific research and artistic activities are carried out at six schools and their departments and units.

## HELSINKI

Helsinki is a charming seaside city where urban culture and coastal nature converge. The friendly locals and the easy-going Nordic lifestyle make it a destination that's hard not to love. It's no surprise that Helsinki is the capital of the happiest country in the world - a testament to the city's ability to inspire joy and contentment in all who visit.

# Introduction to AI course schedule

*Note: preliminary schedule (autumn 2025)*

All lectures are taught by Aalto University faculty or leading professionals in the field. In addition, the students are supported throughout their studies at Aalto University by a designated Program Coordinator. Please note that the schedule presented is preliminary. The order and specific topics of lectures are subject to change based on teacher availability.

WEEK 1					
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<b>9AM-12AM or 13:00PM-15:00</b>	Introduction to AI, ML, and LLMs	Basics of Machine Learning	Data Preprocessing for NLP	Introduction to LLMs and Their Applications	Supervised Learning for NLP Tasks

**Evening - Independent study time + Social programme organised by Summer School**

WEEK 2					
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<b>9AM-12AM or 13:00PM-15:00</b>	Advanced NLP Techniques	Language Generation with LLMs	Ethical Considerations and Challenges in LLMs	Model Deployment and Integration in Applications	Final Project and Presentation

**Evening - Independent study time + Social programme organised by Summer School**

## Detailed course schedule

WEEK 1					
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<b>Topic</b>	<b>Introduction to AI, ML, and LLMs</b>	<b>Basics of Machine Learning</b>	<b>Data Preprocessing for NLP</b>	<b>Introduction to LLMs and Their Applications</b>	<b>Supervised Learning for NLP Tasks</b>
<b>Details</b>	Overview of AI & ML, introduction to LLMs, their history, and impact	Types of ML: supervised, unsupervised, reinforcement learning. Basic concepts: models, training, testing, evaluation.	Text preprocessing: tokenization, stemming, lemmatization, stop-word removal, and vectorization.	Understanding LLMs, their architecture, and common applications (e.g., chatbots, translation, summarization)	Case study: Sentiment analysis using traditional ML and LLM approaches
<b>Hands-on activity</b>	Setting up Python environment, Jupyter notebooks, and exploring basic NLP tasks.	Simple ML tasks using Scikit-Learn (e.g., text classification)	Preprocessing textual data using NLTK and SpaCy	Experimenting with pre-trained LLMs using Hugging Face's Transformers library	Building and evaluating a sentiment analysis model

WEEK 2					
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<b>Topic</b>	<b>Advanced NLP Techniques</b>	<b>Language Generation with LLMs</b>	<b>Ethical Considerations and Challenges in LLMs</b>	<b>Model Deployment and Integration in Applications</b>	<b>Final Project and Presentation</b>
<b>Details</b>	Deep dive into LLM architectures like BERT, GPT, and their variations	Exploring text generation, creative writing, and conversational AI using LLMs	Discussion on biases, ethical considerations, and challenges in deploying LLMs	How to deploy LLMs in real-world applications, cloud services, and edge computing	Students will work on a project combining the learned concepts to solve a real-world NLP problem using LLMs
<b>Hands-on activity</b>	Fine-tuning a pre-trained LLM for a specific task.	Generating creative text and building a simple chatbot using GPT models	Analyzing bias in language models and discussing mitigation strategies	Deploying a fine-tuned LLM to a web application or cloud service	Presentation of the project, feedback session, and Q&A

## What to do in Helsinki

### Swim and sauna

The seawater pools of Allas Sea Pool are located in the heart of the city, adjacent to the Market Square. Alternatively, the sauna and restaurant complex of Löyly can be found on the southernmost coast of Helsinki. Another good option is Kulttuurisauna, where you can enjoy a peaceful sauna and swim experience just 15 minutes away from the city center.

### Visit the Helsinki Cathedral and grab a bite at a nearby café

This shining white cathedral is a symbol of Helsinki for most tourists. The structure was designed by Carl Ludvig Engel and is distinctive for its unique emerald-green copper dome. Nearby, you can find lovely cafés serving traditional Finnish baked goods and a cup of tea or coffee. Take a few steps from the cathedral, and you'll find the lively market square filled with local handicrafts and traditional treats.

### Explore Suomenlinna Sea Fortress

Take a ferry from the Market Square to visit the 18<sup>th</sup> century fortress. A must for history enthusiasts, Suomenlinna is absolutely beautiful in the summer. Just prepare for the wind!

### Geek out at our Libraries

Our National Library, located in the heart of the city, is every bookworm's fantasy. Designed by the same architect as the Cathedral, this building is the oldest and biggest scientific library in Helsinki. For a more modern structure, check out the impressive Oodi right next to the central railway station. At Oodi, you'll find 3D printers, book-carrying robots, and much more.

**PROGRAM DURATION: 2 weeks**

**PROGRAM SCHEDULE: 21<sup>st</sup> July 2025 – 1<sup>st</sup> August 2025**

**PROGRAM FEE: ` 1,80,000/- + GST**

***The Program fee covers:***

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

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

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



## CONTACT US

*ravi@immersionglobal.com*

96776 18559

[www.immersionglobal.com](http://www.immersionglobal.com)

