



INDIAN SCHOOL AL WADI AL KABIR

DEPARTMENT OF COMPUTER SCIENCE 2024 – 25
(CIRCULAR TO STUDENTS & PARENTS – CLASSES 8 TO 12)

2nd Artificial Intelligence (AI) Bootcamp at the National University of Singapore (NUS) in May 2024

From 27th May to 31st May 2024

To register yourself, please fill in the Google form and attach the scanned copies of your passports (first page only) by **15th May 2024**:

<https://forms.gle/rmA7CcsteUJxXWDJA>

Cost per student US\$ 1350/- per Student + Airfare and Visa fee extra.

Artificial Intelligence Bootcamp



THE ACHIEVERS'
PROGRAMME (TAP)
HELPING STUDENTS ACHIEVE

Dates : 27th May to 3rd June 2024

Grades : 8th to 12th

Faculty : Mr. Arnab Bhattacharyya, Professor at the School of Computing, National University of Singapore.

Venue : National University of Singapore

Topics Covered

Overview of artificial intelligence, Demos, A brief history of AI, AI vision of the future, Learning ML lingo: training/test data, loss functions, classification, regression, Linear regression, Decision trees, Clustering, Generative model GANs and VAEs, A glance at the optimization toolbox. Overnight, What are neural networks?, "Hello World!" for deep learning, Different architectures, The magic: what we understand and what we don't, Causality, Fairness, Alignment, How can you get started?

For registrations, schedule and further details email us on contact@tapachievers.in or Call +91-9872587700

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NUS
National University
of Singapore

2nd Artificial Intelligence (AI) Bootcamp at National University of Singapore
From
27th May to 31st May 2024

Day	Details
27 th May	Depart International Airport. Arrive Singapore transfer To Hotel/Hostel/Apartment.
28 th May	After breakfast, reach venue for your first day of the Boot-Camp. Following topics will be covered:- Introduction: Overview of artificial intelligence, Demos, A brief history of AI, AI vision of the future. Overnight Hotel/Hostel/Apartment.
29 th May	After breakfast, reach venue of the Boot-Camp. Following topics will be covered:- Machine Learning, Part I: Learning ML lingo: training/test data, loss functions, classification, regression, Linear regression, Decision trees, Clustering. Overnight Hotel/Hostel/Apartment.
30 th May	After breakfast, reach venue of the Boot-Camp. Following topics will be covered:- Machine Learning, Part II: Generative models, GAN and VAEs, A glance at the optimization toolbox. Overnight Hotel/Hostel/Apartment.
31 st May	After breakfast, reach venue of the Boot-Camp. Following topics will be covered:- Neural Networks and Deep Learning: What are neural networks?, "Hello World!" for deep learning, Different architectures, The magic: what we understand and what we don't. Overnight Hotel/Hostel/Apartment.
1 st June	After breakfast, reach venue of the Boot-Camp. Following topics will be covered:- Looking ahead: Causality, Fairness, Alignment, How can you get started?. Overnight Hotel/Hostel/Apartment.
2 nd June	Full day sightseeing of Universal Studios and late evening return Flight to Home Country.
3 rd June	Arrive Home Country.

**Tentative Itinerary subject to change up on confirmation.*

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NUS
National University
of Singapore

Additional Information-(FAQ)

All students will be staying in nice, clean decent, safe accommodation near NUS , it will be either a hostel with separate wings for Boys and girls or a 3 star hotel, in case of 3 star hotel accommodation will be on double/triple sharing. We will take care of the transport. Students will travel by MRT/Metro/Rail.

- 1. Will Boot camp Topics be common for all students across the different age groups? Any student from grades 8th to 12th with interest in AI can join. They will be divided in small groups of 8 – 10 as per their level of understanding of AI. It's a beginner's course on AI, so students new to AI can join too.**
- 2. Will the daily events be more like a seminar or more interactive sessions? What is the teaching mode? Interactive, activity based, discussions, Q& A and age appropriate and understanding appropriate hands on tasks will be given and project will need to be submitted at the end of the program. Certificate will be signed by the faculty Mr. Arnab Bhattacharyya, Professor at the School of Computing, National University of Singapore.**
- 3. What will be the maximum size of the student groups and the Student: Teacher ratio? They will be divided in small groups of 8–10 as per their level of understanding of AI. Total 50 students will be registered on first cum first served basis.**
- 4. What will be the inclusions and exclusions of the tour cost? Inclusions–Program Fee, Accommodation, Meals,(Breakfast in Hotel, Lunch in the University Canteen and Dinner in fast food restaurants). Entry fee universal studio. Students are free to do other sightseeing's after the program with their teachers on their own expenses. Anything not mentioned above is not included in the cost. Shopping, Personal expenses etc.**

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**For any clarification, please write to: hodcomputerscience@iswkoman.com
cc: avpsecondary.science@iswkoman.com**