

INDIAN SCHOOL AL WADI AL KABIR DEPARTMENT OF COMPUTER SCIENCE 2024 – 25 (CIRCULAR TO STUDENTS & PARENTS – CLASSES 8 TO 12)

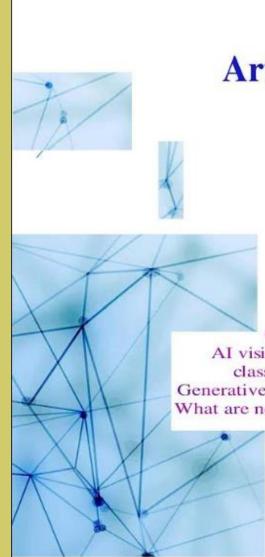
2nd Artificial Intelligence (AI) Bootcamp at the National University of Singapore (NUS) in May 2024

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

THEACHIEVERS' PROGRAMME (TAP HELPING STUDENTS ACHIEV

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, classificati'bqj regression, Linear regression, Decision trees, Clustering, Generative model GANs and VAEs, A glance at the optimization toolbox. Overnigh, 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@tapachieves .in or Call +91-9872587700

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2nd Artificial Intelligence (AI) Bootcamp at National University of Singapore

From

27th May to 31st May2024

Day	Details
27 th May	Depart International Airport. Arrive Singapore transfer To Hotel/Hostel/Apartment.
28th 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.
29th 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.
30th May	After breakfast, reach venue of the Boot-Camp. Following topicswill be covered:- Machine Learning, Part II: Generative models, GAN sand VAEs, A glance at the optimization toolbox. Overnight Hotel/Hostel/Apartment.
31stMay	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.
1stJune	After breakfast ,reach venue of the Boot-Camp. Following topics will be program Looking ahead: Causality, Fairness, Alignment, How can you get started?, Overnight Hotel/Hostel/Apartment.
2ndJune	Full day sightseeing of Universal Studios and late evening return Flight to Home Country.
3rd June	Arrive Home Country.

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*Tentative Itinerary subject to change up on confirmation.

Additional Information (FAQ)

All students will be staying in nice, clean decent, safe accommodation near NUS, it will be either a hostel with separatewingsforBoysandgirlsora3starhotel, incaseof3starhotel 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 - 10as per their level of understanding of AI. It's a beginner's course on AI, so students new to AI can join too.

2. Willthedailyeventsbemorelikeaseminarormoreinteractivesessions?Whatisthe teaching mode? Interactive, activity based, discussions, Q& A and age appropriate and understandingappropriatehandsontaskswillbegivenandprojectwillneedtobe 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 insmallgroupsof8-10aspertheirlevelofunderstandingofAI.Total50 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.

For any clarification, please write to: <u>hodcomputerscience@iswkoman.com</u> cc: <u>avpsecondary.science@iswkoman.com</u>

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