*Tentative Itinerary for Artificial Intelligence Bootcamp August - 2023

Day	Details
27th August,	Depart International Airport Home Country. Arrive Singapore transfer to Hotel/Hostel/Apartment.
28th August,	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 August,	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 August,	After breakfast, reach venue of the Boot-Camp. Following topics will be covered:- **Machine Learning, Part II:** Generative models, GANs and VAEs, A glance at the optimization toolbox. Overnight Hotel/Hostel/Apartment.
31st August,	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.
1st September,	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.
2nd September,	Full day sightseeing of Universal Studios and late evening return flight to Home Country.
3rd September,	Arrive Home Country.

* *Tentative Itinerary subject to change upon confirmation.*

Cost per student- Rs. 1,33,333 + GST 5% = Rs. 6667 = Total Rs. 1,40,000/- .
1 teacher complimentary after 6 paying students.

If less than 6 students, cost for teacher will be worked out on pro rata basis or your students can join students from other schools , one tour escort will accompany the group.

Additional Information: -
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 triple sharing . We will take care of the transport. They will travel by MRT.

1. Will the Bootcamp events be common for all students across the different age groups? **Any student grades 8th to 12 th 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, Assistant Professor at the School of Computing, National University of Singapore(NUS).**

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 40 students will be booked on first cum first served basis.**

4. What will be the arrangements for local movement of the students? **Metro/ Rail.**
5. What will be the inclusions and exclusions of the tour cost? **Return economy class Airfare from India, accommodation, all transfers, meals, travel insurance, visa fee, and entry fee universal studio. Students are free to do other sightseeing's after the program with their teachers on their own. Anything not mentioned is not included in the cost. Shopping, personal expenses etc.**
6. Which airline will they be travelling by? **Indigo /Scoot/ Air Asia / Air India / Vistara, (any one of these) , subject to availability at the time of final confirmation and payments.**

Artificial Intelligence Bootcamp
at
National University of Singapore

The Achievers' Programme (TAP)
HELPING STUDENTS ACHIEVE

Dates : 27th Aug. to 3rd Sep. 2023

Grades : 8th to 12th

Faculty : Mr. Arnab Bhattacharyya, Assistant 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 models, 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?

Cost per student- Rs. 1,33,333 + GST 5% = Rs. 6667 = Total Rs. 1,40,000/-
(includes program fee , Airfare, Accommodation,
Visa Fee, Meals, Airport Transfers and Entry fee Universal Studio)

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