

Singapore IOI 2017 Training Schedule

Session	Date / Time	Day	Venue	Topic	Key Concepts	Remarks
1	27 May - 13 Jun	Sat - Tue (+2)	Home	Online Contest 1	5 hour contest Problems from other olympiads	Individual Timer
2	3 - 15 Jun	Sat - Thu (+1)	Home	Online Contest 2	5 hour contest Problems from other olympiads	Individual Timer
3	12 Jun 0930 - 1730	Mon	ICPC Lab	Introduction Competition Strategies	Linux environment What to expect at IOI	Introduction with Team Leader and Dep Leader Familiarise with ICPC Lab
4	14 Jun 0930 - 1730	Wed	ICPC Lab	DP I	DP Strategies Common non-classic DPs	Contest 1 Analysis
5	16 Jun 0930 - 1730	Fri	ICPC Lab	DS I	Sqrt decomposition (Buckets) UFDS Sparse Table	Contest 2 Analysis
6	17 - 18 Jun	Sat - Sun	Home	Online Contest 3	5 hour contest Problems from other olympiads	Individual Timer
7	19 Jun 0930 - 1730	Mon	ICPC Lab	Greedy I	Greedy Proving Techniques	Contest 3 Analysis
8	21 Jun 0930 - 1730	Wed	ICPC Lab	Graph I	Searches Meet in the Middle	
9	22 - 23 Jun	Thu - Fri	Home	Online Contest 4	5 hour contest Problems from other olympiads	Individual Timer
10	24 Jun 0930 - 1730	Sat	ICPC Lab	Math	Primes Modular Arithmetic Ad-hoc math theorems	<i>Wei Liang Guest Lecture</i> 26 Jun: Hari Raya in Lieu
11	27 Jun 0930 - 1730	Tue	ICPC Lab	DS II	Fenwick Tree Segment Tree Persistence	Contest 4 Analysis
12	28 Jun 0930 - 1730	Wed	ICPC Lab	Graph II	Special Graphs NP Hard Graph Problems Graph Modelling	
13	30 Jun 0930 - 1730	Fri	ICPC Lab	Graph III	Lowest Common Ancestor Set Merging & HLD Spanning Trees	
-	2 Jul	Sun	Home	JOI Open 2017	<i>Attempt JOI Open 2017 online</i> https://cms.ioi-jp.org/open-2017/	<i>Mirror 1: 1200 - 1700</i> <i>Mirror 2: 1800 - 2300</i>
14	3 Jul 0930 - 1730	Mon	ICPC Lab	Graph IV	SCC & BCC Bipartite Matching Max Flow (Exposure)	
15	4 Jul 0930 - 1730	Tue	ICPC Lab	DP II	DP DAG duality DP on Tree Subset DP	
16	6 Jul 0930 - 1730	Thu	ICPC Lab	DP III	DP Speedups	
17	7 Jul 0930 - 1530	Fri	ICPC Lab	Implementation	C++11 Tips and tricks Policy Based Data Structure	
	7 Jul 1600 - 1730	Fri	MOE HQ	IOI Pre-departure Briefing	<i>Trip Administration</i> <i>Collect SG Blazer</i>	
-	8 Jul 1800 - 2300	Sat	Home	IPSC 2017	<i>Attempt IPSC 2017 online</i> https://ipsc.ksp.sk	<i>Individual,</i> <i>secondary school category</i>

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18	10 Jul 0930 - 1730	Mon	ICPC Lab	String	Manacher Trie Suffix Array	
19	11 Jul 0930 - 1730	Tues	ICPC Lab	Output Only Information Theory	Classification Compression	
-	12 Jul Time TBA	Wed	Home	CEOI 2017 Competition Day 1	Attempt CEOI 2017 online http://ceoi2017.fri.uni-lj.si	Likely to be in afternoon (1500 - 2000)
20	13 Jul 0930 - 1730	Thu	ICPC Lab	DS III	Binary Search Tree Link Cut Tree	
-	14 Jul Time TBA	Fri	Home	CEOI 2017 Competition Day 2	Attempt CEOI 2017 online http://ceoi2017.fri.uni-lj.si	Likely to be in afternoon (1500 - 2000)
21	15 Jul 0930 - 1730	Sat	ICPC Lab	Geometry	Convex Hull Rotating Calipers	
22	17 Jul 1000 - 1500	Mon	ICPC Lab	ASEAN IOI Sparring (Hosted by IDN)	SGP + IDN + MYS + PHL IOI Teams	Timings are tentative
23	18 Jul 0930 - 1730	Tues	ICPC Lab	Miscellaneous	Selected topics for exposure	
24	20 Jul 0930 - 1730	Thu	ICPC Lab	Revision	Practice Contest in Afternoon	Team Lunch / Dinner ? :)
25	21 Jul 1300 - 1800	Fri	ICPC Lab	ASEAN IOI Sparring (Hosted by PHL)	SGP + IDN + MYS + PHL IOI Teams	Timings are tentative Spend the weekend with family :)
26	24 Jul 1300 - 1800	Mon	ICPC Lab	ASEAN IOI Sparring (Hosted by MYS)	SGP + IDN + MYS + PHL IOI Teams	Timings are tentative
27	25 Jul 1300 - 1800	Tue	ICPC Lab	ASEAN IOI Sparring (Hosted by SGP)	SGP + IDN + MYS + PHL IOI Teams	Timings are tentative
IOI	28 Jul	Fri	Iran	Arrive at IOI 2017		
IOI	4 Aug	Fri	Iran	End of IOI 2017		