Welcome To The Junior Workshop

The workshop is divided into two parts. Phase one and phase two. But for phase two there will be a selection contest. If your performance is poor in the contest, then you will not be advanced to phase two and will be eliminated. The duration of this course will be 1 year long. Classes and contests schedule is given below:

Phase 1-

Class 1	**Introduction**
Class 2	**Data Type**
Class 3	**Operator**
Class 4	**Conditional Statement 1**
Class 5	**Conditional Statement 2**
Class 6	**Loop 1**
Class 7	**Loop 2**
Class 8	**Loop 3**
Class 9	**Array 1**
Class 10	**Array 2**
Class 11	**Review**
Class 12	**String 1**
Class 13	**String 2**
Class 14	**Function**
Class 15	**Recursion**
Class 16	**Pointer**
Class 17	**Structure**
Onsite Contest 1	**Class 1 - 17**
Class 18	**STL(Standard template library) 1**
Class 19	**STL 2**
Class 20	**STL 3**
Class 21	**Review**
Class 22	**STL 4**
Class 23	**STL 5**
Class 24	**Implementation 1**
Class 25	**Implementation 2**
Class 26	**Implementation 3**
Class 27	**Number theory 1**

Class 28	**Number theory 2**
Class 29	**Number theory 3**
Class 30	**Number theory 4**
Class 31	**Number theory 5**
Class 32	**Review**
Onsite Contest 2	**Selection contest for phase 2 (all class)**

Phase 2-

Class 1	**Binary Search**
Class 2	**String Algorithm 1**
Class 3	**String Algorithm 2**
Class 4	**Geometry 1**
Class 5	**Geometry 2**
Class 6	**Bisection**
Class 7	**Data structure 1**
Class 8	**Data Structure 2**
Class 9	**Data structure 3**
Class 10	**Data Structure 4**
Class 11	**Review**
Class 12	**Data Structure 5**
Class 13	**Tree Introduction + BFS**
Class 14	**DFS + 2D BFS**
Class 15	**Dijkstra**
Class 16	**Floyd Warshell**
Class 17	**Bellman Ford**
Class 18	**Minimum Spanning Tree**
Onsite Contest 1	**Class 1 - 18**
Class 19	**Combinatory 1**
Class 20	**Combinatory 2**
Class 21	**Review**
Class 22	**Probability**
Class 23	**Dynamic Programming 1**
Class 24	**Dynamic Programming 2**
Class 25	**Dynamic Programming 3**

Class 26	**Dynamic Programming 4**
Class 27	**Dynamic Programming 5**
Class 28	**Matrix Exponentiation**
Class 29	**KMP Algorithm**
Class 30	**Z Algorithm**
Class 31	**Hashing**
Class 32	**Review**
Onsite Contest 2	**Selection Contest For senior workshop**

Registration Procedure:

1. Only selected students will be able to do the registration. If selected students are not interested in participating in the workshop then students from waiting list will be taken.
2. The registration fee for the workshop is 2000/= taka.
3. You have to pay the fees within 20th November (Saturday).
4. Payment can be done in the booth on Saturday only. (13th November and 20th November)
5. After 20th November we will pick some students from waiting list.

Groups To Join:

1. Department of CSE - https://www.facebook.com/groups/officiallucse/?ref=share
2. Eluminatis of LU - https://www.facebook.com/groups/Eluminatis.of.LU/?ref=share

Rules:

1. You must be honest with your work. Any kind of plagiarism will not be tolerated and the person will be banned from ACM permanently. So, think twice before doing cheating or any kind of work that is under plagiarism.
2. If without any valid reason you miss two continuous classes, then your registration will be cancelled. In that case if you want to continue the workshop then you have to re-register with the fee.
3. If you miss two continuous tasks given by the workshop, then your registration will be cancelled. In that case if you want to continue the workshop then you have to re-register with the fee.

4. Every candidate will be under a mentor. If your mentor complaints about you, then your registration will be cancelled, for any serious case you might even get banned.
5. There are two phase of the workshop. To advance candidates from phase one to two there will be taken some onsite contest. Based on your performance you will be advanced to the second phase. Rest candidates will be eliminated.

Rewards:

1. Each month three candidates will be announced as **Coder of the Month** based on the total performance. As rewards you will be given a kit (such as: bag, t-shirt, crest, delicious treat etc.).
2. After one year, based on the performance of the total year three candidates will be announced as **Coder of the Year**. And will be rewarded with cash money.
3. There will be also prizes for regular attendee of the year.
4. Those who finish all the tasks in all over the year will also be rewarded.
5. Those who will be able to complete the course will be selected for the senior workshop directly and will get 100% scholarship.

Goals:

1. **Blue Coder / Expert** in **Codeforces** (rating 1600+).
2. **Blue Coder** in **Topcoder** (rating 1200+).
3. **3 Star Coder** in **Codechef / Blue Coder** (rating 1700+).
4. Solving 150+ problem in **Light Online Judge.**
5. **Top 30** in National Contest.

Conclusion:

Competitive programming is all about fun. So, rather taking it as stress do it in such way that it gives you pleasure. To gain anything we must need to work hard and harder and to be stuck with it. Never limit yourself, make some big targets and achieve them. Just dream big, make wise plan, act smart and harder. Remember hard work can even beat talents. So do whatever you can do to achieve your goal. Just

work harder and smarter. Do practice a lot as much as you can, never take any break from it. A programmer believes that no matter what comes a coder should never take a break from his/her coding. So during exams, classes, viva , presentation, you are sick (not so serious) whatever comes, you just stay in practice. Remember –

An Expert in anything was once a Beginner

Happy Coding (y)