One Week Skill Enhancement Program
on
"Enhancement of Logical Thinking & Problem-Solving ability using modern tools on real time application"
28th Aug- 2nd Sep 2023 (online mode)
Day wise Schedule

Day 1 - 28th August 2023
Link:

https://teams.microsoft.com/l/meetup-join/19%3aKCAbD3SltUFvoMVF37eTTcoTl6CuAgkL7ItZJGLrp1E1%40thread.tacv2/1691572383207?context=%7b%22Tid%22%3a%223ad87f0e-1f93-41bd-94f4-82c37d971c88%22%2c%22Oid%22%3a%22ac090ff6-d7dd-4280-9e48-7d9990e8bd3f%22%7d

Pre-requisites - Basic knowledge of any Programming Language

Time	Event	Description
09:30AM-09:45AM	INAUGRATION	About Skill Enhancement Program Saraswati Vandana Address by Convener (Prof. (Dr.) Pankaj Kumar Sharma) Address by Director (Prof. (Dr.) Sanjay Kumar Singh)
09:45 AM-11:30 NOON	SESSION 1	RESOURCE PERSON: **Mr. Chandrahas Mishra** **TOPIC:** "Basic Introduction of Logical thinking and Problem Solving and its real time applications"
11:40 PM-1:30 PM	SESSION 2	RESOURCE PERSON: **Mr. Dhaneshwar Kumar** **TOPIC:** Bit Manipulation
2:30 PM-4:30 PM	SESSION 3	RESOURCE PERSON: **Mr. Chandrahas Mishra** **TOPIC:** "Cracking Mathematical Challenges in Programming: Strategies and Solutions "
FEEDBACK & QUIZ OF THE DAY		

Day 2 - 29th August 2023
Link:

https://teams.microsoft.com/l/meetup-join/19%3aKCAbD3SltUFvoMVF37eTTcoTl6CuAgkL7ItZJGLrp1E1%40thread.tacv2/1691572436229?context=%7b%22Tid%22%3a%223ad87f0e-1f93-41bd-94f4-82c37d971c88%22%2c%22Oid%22%3a%22ac090ff6-d7dd-4280-9e48-7d9990e8bd3f%22%7d

Time	Event	Description
9:30 AM-11:30 AM	SESSION 1	RESOURCE PERSON: **Mr. Vijay Maheshwari** **TOPIC:** "Array Challenges in Competitive Programming: Strategies for Success"
11:40 AM-1:30 PM	SESSION 2	RESOURCE PERSON: **Mr. Dhaneshwar Kumar** **TOPIC:** "Linked Lists in Real-World Programming Scenarios"
2:30 PM-4:30 PM	SESSION 3	**Hands On** Mr. Chandrahas Mishra Mr. Dhaneshwar Kumar
FEEDBACK & QUIZ OF THE DAY		

Day 3 - 30st August 2023
Link:

https://teams.microsoft.com/l/meetup-join/19%3aKCAbD3SltUFvoMVF37eTTcoTl6CuAgkL7ItZJGLrp1E1%40thread.tacv2/1691572490117?context=%7b%22Tid%22%3a%223ad87f0e-1f93-41bd-94f4-82c37d971c88%22%2c%22Oid%22%3a%22ac090ff6-d7dd-4280-9e48-7d9990e8bd3f%22%7d

Time	Event	Description
9:30 AM-11:30 AM	SESSION 1	RESOURCE PERSON: **Dr. Santosh Kumar** **TOPIC:** "Coding with Nodes: Hands-on Session on Trees""
11:40 AM-1:30 PM	SESSION 2	RESOURCE PERSON: **Mr. Chandrahas Mishra** **TOPIC: "**Power of Recursion to solve complex problems with less coding"
2:30 PM-4:30 PM	SESSION 3	RESOURCE PERSON: **Dr. Anant Kumar Jaiswal,** **TOPIC:** Navigating Data: A Deep Dive into Sorting and Searching Strategies
FEEDBACK & QUIZ OF THE DAY		

Day 4 - 1st September 2023
link:

https://teams.microsoft.com/l/meetup-join/19%3aKCAbD3SltUFvoMVF37eTTcoTl6CuAgkL7ItZJGLrp1E1%40thread.tacv2/1691572540994?context=%7b%22Tid%22%3a%223ad87f0e-1f93-41bd-94f4-82c37d971c88%22%2c%22Oid%22%3a%22ac090ff6-d7dd-4280-9e48-7d9990e8bd3f%22%7d

Time	Event	Description
9:30 AM-11:30 AM	SESSION 1	RESOURCE PERSON: **Mr. Gaurav Vats** **TOPIC:** "Applications of the Two-Pointer Approach in Competitive Programming"
12:00 PM-1:45 PM	SESSION 2	RESOURCE PERSON: **Dr. Ravi Prakash Verma** **TOPIC:** "Solving Problems with Efficient Stack and Queue"
2:30 PM-4:30 PM	SESSION 3	RESOURCE PERSON: **Dr. Atul Srivastava** **TOPIC:** "Graphs in Problem Solving"
FEEDBACK & QUIZ OF THE DAY		

Day 5- 2nd September 2023
link:

https://teams.microsoft.com/l/meetup-join/19%3aKCAbD3SltUFvoMVF37eTTcoTl6CuAgkL7ItZJGLrp1E1%40thread.tacv2/1691572593507?context=%7b%22Tid%22%3a%223ad87f0e-1f93-41bd-94f4-82c37d971c88%22%2c%22Oid%22%3a%22ac090ff6-d7dd-4280-9e48-7d9990e8bd3f%22%7d

Time	Event	Description
9:30 AM-11:30 AM	SESSION 1	RESOURCE PERSON: **Dr. Atul Srivastava** **TOPIC:** Greedy and Dynamic Programming "Tools Techniques for solving Optimization Problems".

11:40 AM- 1:30 PM	SESSION 2	RESOURCE PERSON: **Mr. Vivekanand Vivek** **TOPIC: "**Deciphering patterns in problems, inculcating proof of correctness and mathematical reasonings behind algorithms."
2:30 PM- 4:30 PM	SESSION 3	RESOURCE PERSON: **Mr. Akhilesh Kumar Singh** **TOPIC:**" Data Structure and Algorithm in the era of Machine Learning"
4:30 PM- 4:45 PM	VOTE OF THANKS	VOTE OF THANKS BY SEP CO- ORDINATOR
FEEDBACK & QUIZ OF THE DAY		

GENERAL GUIDELINES FOR THE PARTICIPANTS:

1. All participants need to fill the feedback form for all days which will be shared during the sessions and 75% attendance is mandatory for all.
2. The quiz will be shared based on day wise sessions content and its mandatory for all to submit all the quizzes and score at least 60% to earn the certificate in at least 3 quizzes.
3. The E-Certificates of participation will be mailed on the mail ids within the next three working days after the SEP.