

Report on Webinar

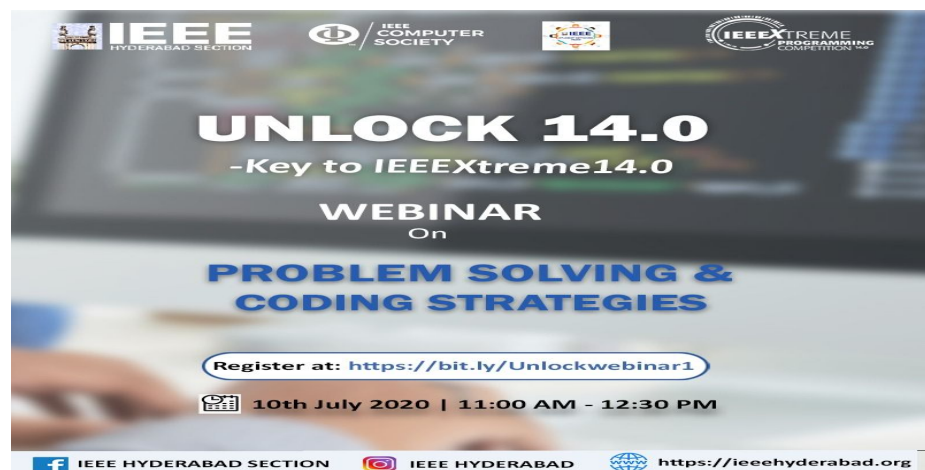
Date & Time : 10th July ,2020 from 11:00 am to 12:30 pm

Description: To demonstrate “Problem Solving and Coding Strategies”

IEEE Computer Society, Hyderabad Section, and IEEE Xtreme14.0 had organized the webinar-based Tech Talk on the “Problem Solving and Coding Strategies”. Mr. Balaprasad Peddigari, the Secretary of the IEEE Hyderabad Section hosted the webinar with 100 delegates and appreciated their interest.

Mr.Saikumar Tara has addressed Mrs. Sowjanya Rani to the audience and briefed about the speaker for the webinar is the Data Scientist.

Mrs. Sowjanya Rani has started the session by sharing her knowledge on Artificial Intelligence in various Industries and strategies of Usage of AI and Data Science Algorithms.



The importance of Programming and Coding has covered five major subtopics to be performed.

1. Problems Solving Approaches
2. Example
3. Coding Strategies
4. Cracking the Logics
5. Summary

Mrs. Sowanya Rani started on the first topic Problem Solving Approaches.
Read and Understanding the Problem Statement(Until inner Logic is Craked)
and Analyse the Pseudo code and Implement the code Part.
Enhance the to Multiple inputs and Debugging.

Optimizing the code is essential for Every programmer for Better Results.
Commenting the important points needed for Better Understanding of The Code.

EXAMPLE

- What if? You encounter such patterns

1
2 6
3 7 10
4 8 11 13
5 9 12 14 15

- No doubt you'll follow the same with out following the Problem Solving Approaches we learnt

- But the pattern what you assumed is quite different from actual one



```
1  
2 3  
4 5 6  
7 8 9 10  
11 12 13 14 15
```

- This is just to make yourself a realisation where are you going wrong.
- Therefore Read, Understand and Analyse the Problem before looking to solution directly

Mrs.Sowjanya Rani has continued the second topic as Coding Strategies to the Students.

Coding Strategies

- Do you Plan your Program carefully using written Pseudo Code or You Use Trial and Error?
- Recent Statistics show that Young Programmers often use Trial and Error while older Programmers try to solve problems by planning ahead.
- Which one are you?

Mrs. Sowanya Rani has explained about Various Speech Systems and its Applications.

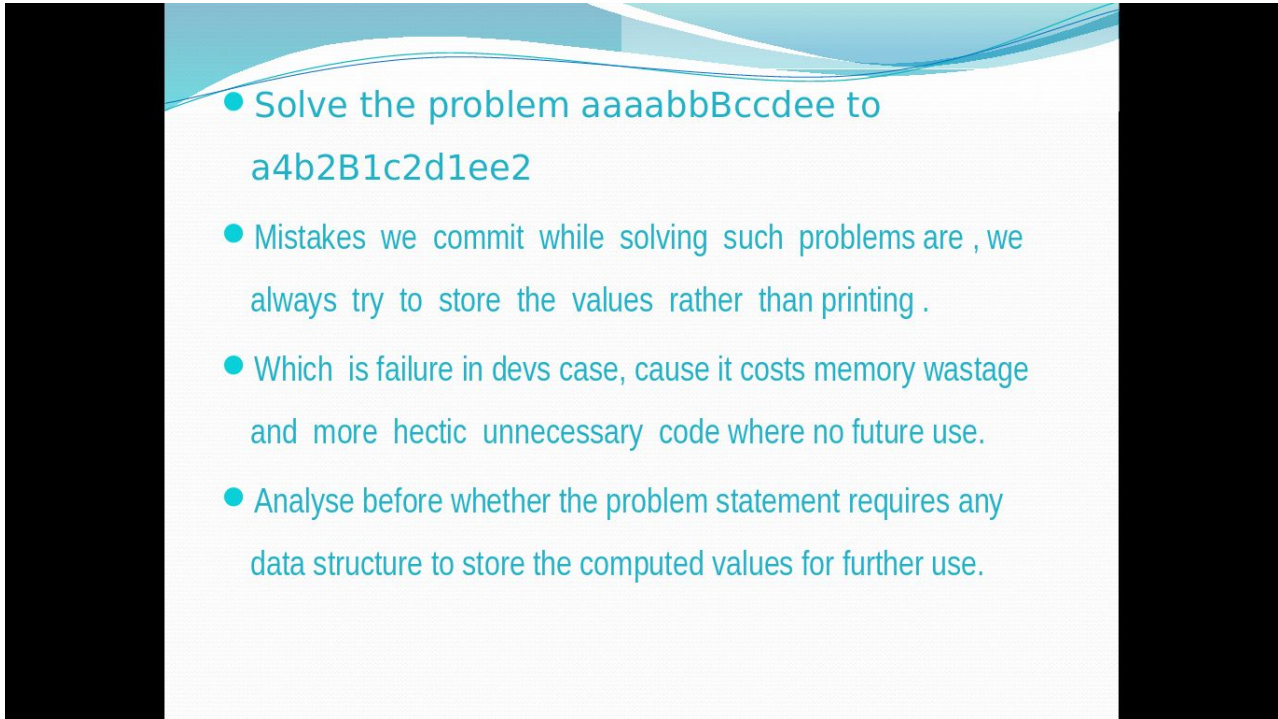
Trial and Error

- Waste of Time
- In a Hassle to solve
- Where code may cause unexpected errors
- Time taking Process
- Expected output may/may not
- Simple mistakes that may take away your confidence

Mr. Sowjanya Rani handled the session on the Pseudo Code Approach.

Pseudo Code Approach

- Step by Step procedure for a precise ending
- No memory Wastage
- Utilization of appropriate Models
- Enlarging to solve dynamically
- Optimizing
- Successful Termination

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- Solve the problem aaaabbBccdee to a4b2B1c2d1ee2
 - Mistakes we commit while solving such problems are , we always try to store the values rather than printing .
 - Which is failure in devs case, cause it costs memory wastage and more hectic unnecessary code where no future use.
 - Analyse before whether the problem statement requires any data structure to store the computed values for further use.

Mrs. Sowjanya Rani has explained the problem solving in programming with the strategic approach.

The outcome of the

Webinar:

The Delegates learned in detail about the topics like Algorithmic approach, Pseudo code analysis and Trial and Error methods.

