



A. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY

A unit of Laxmi Memorial Education Trust (Approved by AICTE, New Delhi,

Affiliated to Visvesvaraya Technological University, Belgavi)

NAME OF THE EVENT:	“Improve your Coding skills”		
ORGANIZED BY:	Department of Computer Science & Engineering		
STAFF CO-ORDINATOR:	Dr. Chanchal Antony		
DATE:	7th Jan 2023	TIME:	11:00am to 12:00pm
Name & Details of Chief Guest/ Resource Person:	Mr.Kannan – Assistant System Engineer , TCS		

Dr. Antony P. J., Head of Department, welcomed Mr.Kannan , and the session commenced.

Mr.Kannan spoke mainly on the below given points -

Improving your coding skills is an ongoing process that involves a combination of practice, learning new concepts, and applying your knowledge in real-world scenarios. Here are some strategies to help you enhance your coding abilities:

1. Consistent Practice

Coding is a skill that improves with consistent practice. Set aside time each day or week to write code. Use online platforms like LeetCode, HackerRank, or Codewars to solve coding challenges. These platforms offer problems of varying difficulty levels, which can help you gradually improve your problem-solving skills.

2. Learn New Programming Languages and Frameworks

While mastering one language is essential, learning new languages and frameworks can provide a broader perspective on programming concepts. Each language has its strengths and can teach you different ways to approach problems. For instance, learning Python can introduce you to simple syntax and powerful libraries, while understanding JavaScript can help you with front-end development.

3. Study Algorithms and Data Structures

A strong understanding of algorithms and data structures is fundamental to becoming a proficient coder. These concepts form the backbone of efficient coding and problem-solving. Study common algorithms (e.g., sorting, searching) and data structures (e.g., arrays, linked lists, trees, graphs). Books like "Introduction to Algorithms" by Cormen et al. and online courses can be invaluable resources.

4. Work on Real Projects

Applying your coding skills to real projects helps solidify your knowledge and provides practical experience. Start with small projects, like creating a personal website or a simple game, and gradually take on more complex projects. Contributing to open-source projects on GitHub can also provide valuable experience and expose you to best practices in coding.

5. Participate in Coding Competitions

Coding competitions, such as those hosted by Codeforces, TopCoder, and Google Code Jam, can be both challenging and rewarding. These competitions push you to think creatively and solve problems under time constraints, which can significantly enhance your coding abilities.

6. Read Code Written by Others

Reading and understanding code written by others can expose you to different coding styles and techniques. Explore repositories on GitHub, read code from open-source projects, and study code samples in programming books. Pay attention to how experienced developers structure their code, handle errors, and optimize performance.

7. Join a Coding Community

Engaging with a coding community can provide support, motivation, and learning opportunities. Join online forums like Stack Overflow, Reddit's r/programming, or coding-specific Slack groups. Participating in discussions, asking questions, and helping others can reinforce your understanding and keep you updated on the latest trends.

8. Take Online Courses and Tutorials

There are numerous online platforms offering courses and tutorials on various programming topics. Websites like Coursera, edX, Udacity, and freeCodeCamp provide structured learning paths on different languages and technologies. These courses often include hands-on exercises and projects to apply what you've learned.

9. Practice Code Review

Code review is an essential skill in professional software development. Reviewing code written by others helps you spot mistakes, understand different approaches, and learn new techniques. Similarly, having your code reviewed by peers can provide valuable feedback and highlight areas for improvement.

10. Stay Updated with Industry Trends

The tech industry evolves rapidly, with new languages, frameworks, and tools emerging regularly. Follow tech blogs, subscribe to newsletters, and listen to podcasts to stay informed about the latest developments.

Understanding current trends can help you stay relevant and adapt to changes in the industry. Mr Chanchal Antony thanked Mr. Kannan for giving good insight about the topic and also motivating the students regarding placement and how to crack interviews.



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