

TECHNOCODE

ENHANCE YOUR PROGRAMMING SKILLS

For Classes - (I-VIII)



In today's world a computer is very essential in each and every field. In fact the lives of people of the 21st century are incomplete if they are not proficient in its use. Thus it is an absolute necessity to educate and train the 21st century learners to become proficient in the use of computers and empower them with the basics of the subject.

Syon Technologies, an IT company, engaged in software and web application development in education domain, has designed and published different computer series for K-8 Students.

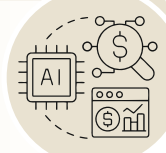
WHAT CAN YOU ACHIEVE WITH THIS BOOK ?

CODING CONCEPTS



CODING is aimed to develop students' logical thinking skills and problem solving skills.

AI CONCEPTS



As demand for AI specialists increases, so does the need for students who can build, use and manage emerging AI technologies.

PROGRAMMING LANGUAGES



Python is most widely used language now a days. Scratch is a block based programming language used for developing logical thinking skills.

WEB DEVELOPMENT



Developing the website using HTML-5 programming language and creating dynamic web pages using JavaScript.

MS OFFICE 2016



MS Word is used for word processing, MS Excel is used for calculation, MS PowerPoint is used for presentation and MS Access is used for database management.

OTHER IT TOPICS



Computer Basics, Windows-10, Number System, Computer Networking, Photo editing, Animation Software.

How is the BOOK ORGANISED ?

- **Topics** : are explained with simple and step wise concepts. we have focussed on conceptual learning.
- **Technical Tips** : are given for additional learning.
- **Hands on Activities** : are included after every chapter to identify the learner subject skills.
- **Lab Activities** : interesting and with real life problems are given to develop the interest and skill.
- **Mobile App** : which contains additional worksheets to practice more on technical concepts.
- **Web Support** : for Additional digital contents.



MOST ADVANCED TOPICS COVERED

Content is organized using headings and subheadings to help the students clearly see how the content is related.

Scratch



(A Block Based Coding) from Class III

Scratch is a programming language designed specifically for kids and beginners. It is a block-based programming language that makes it easy for students to learn the basics of programming.

Python



(Coding techniques) from Class -VI

Python programming enable students to apply the programming concepts in solving real world problems.

GIMP



Image Manipulation Program

GIMP is a image manipulation program used for image manipulation (retouching) and image editing, free-form drawing, transcoding between different image file formats, and more specialized tasks.

Animate CC



2D Animation Software

Adobe Animate CC is a 2D animation software used by professional animators, cartoonists, and web designers.

JAVA Programming



An Object Oriented Programming Language

JAVA Learning Java program code can help inbuilt skills in children at a young age. It improves their imagination and creativity, and problem-solving skills.

APP Development



Android
Mobile App Development

MIT App Inventor is a free, web-based platform for creating, testing, and sharing mobile apps. Build almost any Android and iOS app with App Inventor using a simple, intuitive, block-based programming language that anyone can learn

AI Concepts



(from Class - VI)

Incorporating AI can help students develop important 21st-century skills, such as problem-solving, critical thinking, and collaboration. These skills are essential for success in the digital age.

Other Softwares



MS Office 2016, Windows-10, Computer Networking, Tux Paint, Number System, Cyber Security.

