



**AVARTAN**  
— INFINITE LEARNING —

# Catalogue

Nurturing tech-driven generation of tomorrow...

## Incorporates NEP 2020 and NCF 2023 guidelines

Avartan books are aligned with the **National Education Policy 2020** and **National Curriculum Framework 2023**.

The activities have been tagged considering the 21st-century skills required for the holistic development of the child.

NEP 2020 recommends major paradigm shifts:

- ◆ Supports holistic and multidisciplinary education
- ◆ Emphasis on analytical and creative thinking rather than rote learning
- ◆ Prioritises inclusivity and equity, aiming to ensure that all students have access to quality education
- ◆ Emphasis on practical skills and knowledge to boost Vocational Education



**NEP KEY POINTS**

## New Addition

# TECH FIRST

- ◆ Based on **Windows 10** and **Microsoft Office 2016**, with updates on **Windows 11**
- ◆ Aligned with **NEP 2020** and **NCF 2023** guidelines
- ◆ A light and concise series with a compact structure, designed to make learning simple, engaging, and manageable
- ◆ Covers programming languages such as **Scratch 3.0**, **Python**, and **HTML5 & CSS**
- ◆ Includes in-demand concepts like **Cloud Computing** and the **Internet of Things (IoT)**
- ◆ Strengthens digital literacy through topics like **Internet Safety**, **Cybersecurity**, and **Cyber Ethics**
- ◆ Along with Practice Worksheets, each chapter includes **Reasoning Worksheets** to build logical thinking and problem-solving skills



Teacher's e-Resource Book



Test Generator



Web Support

CBSE/State Boards

# TECH NEXT

- ◆ Based on **Windows 10** and **Microsoft Office 2016**, with updates on **Windows 11**
- ◆ Aligned with **NEP 2020** and **NCF 2023** guidelines
- ◆ **Introduces coding from Grade 1**, ensuring an early start in developing computational thinking skills
- ◆ Covers age-appropriate programming languages such as **ScratchJr**, **Scratch 3.0**, **Python**, and **HTML5 & CSS**
- ◆ Includes in-demand concepts like **Artificial Intelligence**, **Robotics**, **Cloud Computing**, and the **Internet of Things (IoT)**
- ◆ Strengthens digital literacy through topics like **Internet Safety**, **Cybersecurity**, and **Cyber Ethics**
- ◆ Along with Practice Worksheets, each chapter includes **Reasoning Worksheets** to build logical thinking and problem-solving skills



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## New Addition

For Classes  
1 to 8



- ◆ Based on **Ubuntu 24.04** operating system and **LibreOffice Suite 25.2**
- ◆ Aligned with **NEP 2020** and **NCF 2023** guidelines
- ◆ Covers popular **open-source software** like **Tux Paint**, and multimedia tools like **GIMP** and **Krita**
- ◆ Introduces learners to **block-based programming** like **Scratch**
- ◆ Step-by-step learning of **Python** and **web programming**, including **HTML5 & CSS**
- ◆ Hands-on introduction to **app development** using **MIT App Inventor**
- ◆ Dedicated chapters on **Artificial Intelligence** and **Robotics**
- ◆ Engages students with essential digital concepts like **Digital Footprints**, **Cyber Safety**, and **Cyber Ethics**
- ◆ Introduces the concept of **Computational Thinking** to develop problem-solving skills
- ◆ Every chapter is reinforced with a **Practice Worksheet**, ensuring interactive and effective learning

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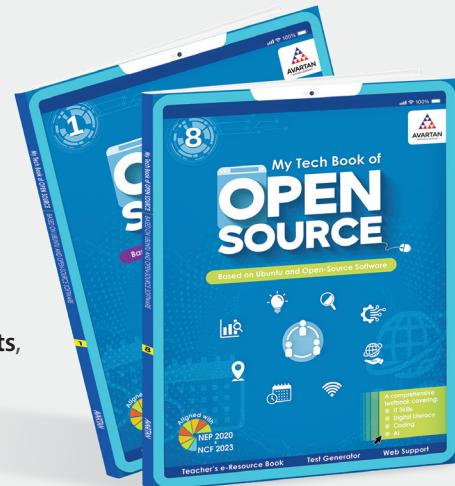
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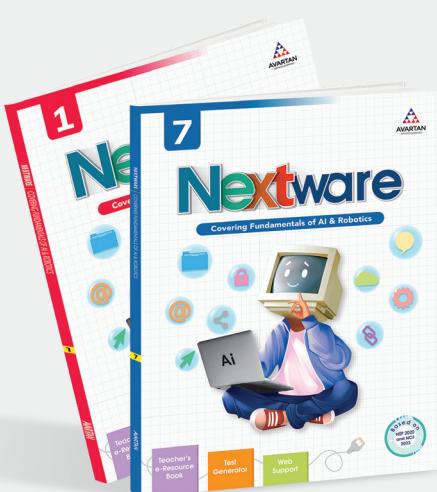
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## Nextware



- ◆ Based on **Windows 7** and **Microsoft Office 2010**
- ◆ Provides updates on **Windows 10** and **Microsoft Office 2016**
- ◆ Aligned with **NEP 2020** and **NCF 2023** guidelines
- ◆ Introduces learners to the fundamentals of programming languages, such as **Scratch** and **Python**, as well as web programming using **HTML** and **CSS**
- ◆ Explores in-demand topics like **Artificial Intelligence** and **Robotics**, featuring a range of hands-on lab activities and worksheets based on **Computational Thinking**



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## Trendsetters

For Classes  
1 to 8

# BITS TO BRAINS

- ◆ Based on **Windows 10** and **Microsoft Office 2016**
- ◆ Provides updates on **Microsoft Office 2019**
- ◆ Covers age-appropriate programming languages such as **ScratchJr**, **Scratch 3.0**, **Python**, and **HTML5 & CSS**
- ◆ Includes in-demand concepts like **Artificial Intelligence**, **Robotics**, **Cloud Computing**, and the **Internet of Things (IoT)**
- ◆ Covers digital literacy concepts like **Internet Safety**, **Cybersecurity**, and **Cyber Ethics**



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# CODE TO AI

- ◆ Based on **Windows 10** and **Microsoft Office 2019**
- ◆ Introduces learners to basic IT Skills like **Microsoft Office**, **Paint** with **Paint 3D**, and multimedia software like **GIMP** and **Krita**
- ◆ Introduces **ScratchJr**, **Scratch 3.0**, **Python**, **HTML5 & CSS**
- ◆ Covers **Artificial Intelligence**, **Robotics**, and **Metaverse**
- ◆ Covers digital literacy concepts such as **Internet Services**, **Digital Footprints**, **Cybersecurity**, **Cyber Safety**, and **Cybercrime**



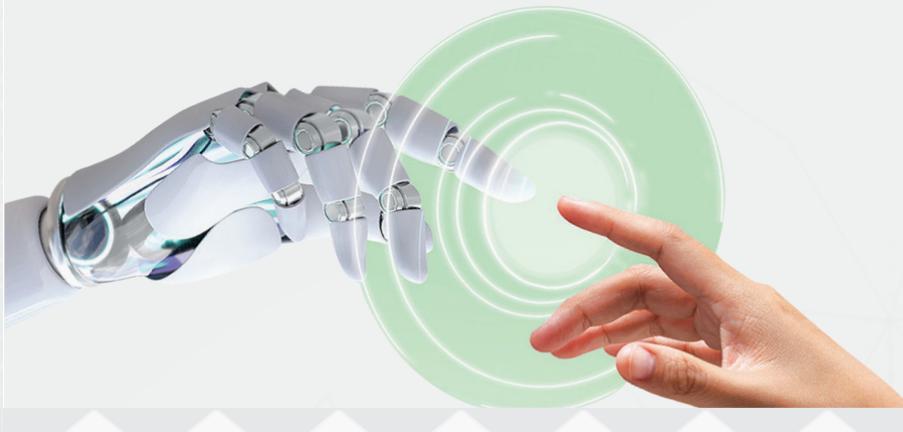
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Trendsetters

For Classes  
1 to 8

# IT Zoom

- ◆ Based on **Windows 10** and **Microsoft Office 2016**
- ◆ Covers programming languages such as **Scratch 3.0**, **Python**, and **HTML5 & CSS**
- ◆ Includes in-demand concepts like **Cloud Computing** and the **Internet of Things (IoT)**
- ◆ Covers digital literacy concepts like **Internet Safety**, **Cybersecurity**, and **Cyber Ethics**



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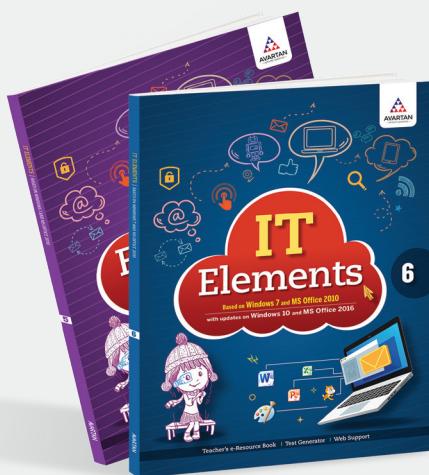
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# IT Elements

- ◆ Based on **Windows 7** and **Microsoft Office 2010**
- ◆ Provides updates on **Windows 10** and **Microsoft Office 2016**
- ◆ Offers glimpses of **Office 365**



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## Trendsetters

For Classes  
1 to 8

### AI and YOU

- ◆ Based on **Windows 10** and **Microsoft Office 2016**
- ◆ Provides updates on **Microsoft Office 2019**
- ◆ Paves way for seamless integration of **Artificial Intelligence** into the classroom
- ◆ Introduces learners to fundamentals of **programming** and latest **Cutting-Edge Technologies**



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### Tech Zone

- ◆ Based on **Windows 10** and **Microsoft Office 2010**
- ◆ Provides flashback on **Windows 7** and updates on **Microsoft Office 2016**
- ◆ Covers essential IT Skills such as **Microsoft Office**, **Paint** with **Paint 3D**, and multimedia software like **GIMP** and **Krita**
- ◆ Covers **Artificial Intelligence**, **Robotics**, **Cloud Computing**, **IoT**, and **Latest Technological Advancements**
- ◆ Introduces digital literacy concepts such as **Cyber Ethics**, **Digital Footprints**, **Internet Services**, **Cybersecurity**, and **Cyber Safety**



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## Trendsetters

For Classes  
1 to 8

# TECHVERSE

- ◆ Based on **Windows 10** and **Microsoft Office 2019**
- ◆ Includes animation and graphics applications, such as **GIMP** and **Krita**
- ◆ Introduces learners to fundamentals of programming languages, such as **Scratch 3.0**, **Python** and web programming using **HTML5 & CSS**
- ◆ Covers **Cutting-Edge Technologies** like **AI**, **Robotics**, **AR & VR**, and **Metaverse**



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# IT VISION

- ◆ Based on **Windows 10** and **Microsoft Office 2016**
- ◆ Offers glimpses of **Office 365**
- ◆ Provides updates on latest **Google & Microsoft Tools**



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## Trendsetters

For Classes  
1 to 8

### Let's INNOVATE

- ◆ Based on **Windows 11** and **Microsoft Office 2021**
- ◆ Introduces learners to basic IT Skills, including multimedia applications such as **Paint**, **Krita**, and **GIMP**
- ◆ Introduces coding from **Grade 1** and covers topics including **ScratchJr**, **Scratch 3.0**, and **Python**
- ◆ Acquaints learners with app development using **MIT App Inventor**
- ◆ Introduces web programming through **HTML5 & CSS**
- ◆ Covers topics such as **Artificial Intelligence**, **Robotics**, **Metaverse**, and **Latest Technological Advancements**
- ◆ Includes digital literacy concepts such as **Internet Services**, **Netiquette**, **Digital Footprints**, **Cyber Safety**, and **Cyber Ethics**



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### IT Domain

- ◆ Based on **Open Source Software**, **Linux (Edubuntu14.04.2 LTS)** operating system, and **LibreOffice Suite**



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Web Support



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## Flagship

For Classes  
1 to 8



- Based on Windows 7 and Microsoft Office 2010



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- Based on Windows 7 and Microsoft Office 2007



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## IT Framework

- Based on Windows 7 and Microsoft Office 2013, with coverage of Windows 10



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Web Support



## Flagship

For Classes  
1 to 8

# TECH TALES

- ◆ Strictly adheres to the **CISCE curriculum**
- ◆ Based on **Windows 10** and **Microsoft Office 2019**
- ◆ Introduces learners to programming languages like **Scratch**, **Java** and web programming including **HTML**
- ◆ Introduces app development through **MIT App Inventor**
- ◆ Explores in-demand topics like **Artificial Intelligence** and **Robotics**, featuring a range of hands-on lab activities
- ◆ Offers glimpses of **Office 365**



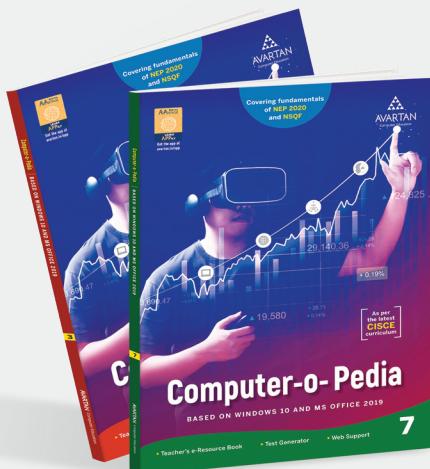
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Web Support



## Computer-o-Pedia

- ◆ Strictly adheres to the **CISCE curriculum**
- ◆ Based on **Windows 10** and **Microsoft Office 2019**
- ◆ Covers age-appropriate programming languages, such as **Scratch**, **Java**, and **HTML**
- ◆ Introduces the learners to app development through **MIT App Inventor**
- ◆ Offers glimpses of **Office 365**



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Web Support

# IT HUB

- ◆ Strictly adheres to the **CISCE curriculum**
- ◆ Based on **Windows 7** and **Microsoft Office 2013**, with coverage of **Windows 10**



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Web Support



ICSE Board

## Code Quest

For Classes  
1 to 8

# CODE QUEST

(Classes 1 to 5)

- ◆ An **activity-based series** designed for young learners
- ◆ Focuses on developing **Computational Thinking** and **Coding Skills** as essential 21st-century skills
- ◆ Aligned with **NEP 2020** and **NCF 2023** guidelines
- ◆ Each book is divided into four sections that embody the key pillars of computational thinking — **Logical Reasoning**, **Think and Solve**, **Data Handling**, and **Algorithmic Thinking**
- ◆ Includes special sections on **Experiential Learning**, **Block-based Coding**, and **Artificial Intelligence**



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## SKILL MODULES

The **Skill Module** is a comprehensive package designed to equip learners in Classes 6 to 8 with essential skills in the ever-evolving digital landscape, as offered by the CBSE. This package includes specialized books and is aligned with the National Education Policy (NEP) 2020 and the National Curriculum Framework (NCF) 2023.

# CODE QUEST

(Classes 6 to 8)

- ◆ An **extended version of Code Quest (Classes 1–5)** that takes learners from computational thinking to advanced, skill-based coding
- ◆ A **skill-based coding series** designed for middle school learners (Classes 6 to 8)
- ◆ Aligned with the CBSE **Coding** curriculum (**Subject Code-910**) and mapped to **NEP 2020** and **NCF 2023** guidelines
- ◆ Encourages coding skills development through applications like **MakeCode Arcade**, **Minecraft Education Edition**, and **Python**
- ◆ Focuses on strengthening **problem-solving**, **creativity**, and **real-world applications of coding**
- ◆ Includes special sections on solved **CBSE Applied Projects** and **Coding Ethics**
- ◆ **Certification awarded upon successful completion and assessment**, motivating learners and validating their achievements



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## Skill Modules

For Classes  
6 to 8

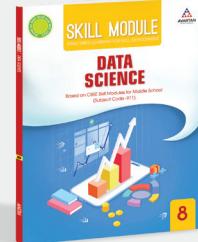
### DATA SCIENCE

(Class 8)

- ◆ Aligned with the CBSE Data Science curriculum (Subject Code-911) and mapped to NEP 2020 and NCF 2023 guidelines
- ◆ Covers techniques for interpreting data and making data-driven decisions, tailored to middle school students
- ◆ Includes lab activities for practical experience in data science



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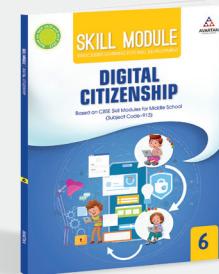
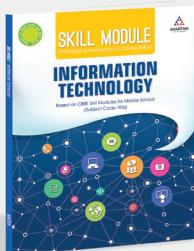
### DIGITAL CITIZENSHIP

(Classes 6 to 8)

- ◆ Aligned with the CBSE Digital Citizenship curriculum (Subject Code-913) and mapped to NEP 2020 and NCF 2023 guidelines
- ◆ Understanding digital footprints and practicing cybersecurity
- ◆ Best practices for respectful and ethical online interactions



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### ARTIFICIAL INTELLIGENCE

(Classes 6/7/8)

- ◆ Aligned with the CBSE Artificial Intelligence curriculum (Subject Code-901) and mapped to NEP 2020 and NCF 2023 guidelines
- ◆ Aims to enhance students' learning experiences and prepare them for future career opportunities in AI



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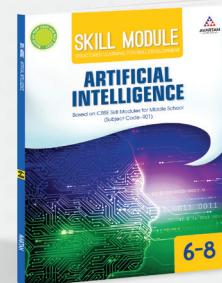
### INFORMATION TECHNOLOGY

(Classes 6/7/8)

- ◆ Aligned with the CBSE Information Technology curriculum (Subject Code-906) and mapped to NEP 2020 and NCF 2023 guidelines
- ◆ Provides a solid foundation in computer operations
- ◆ Builds proficiency in using operating systems and productivity tools



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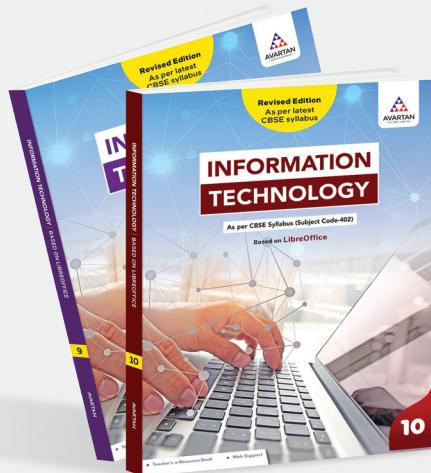
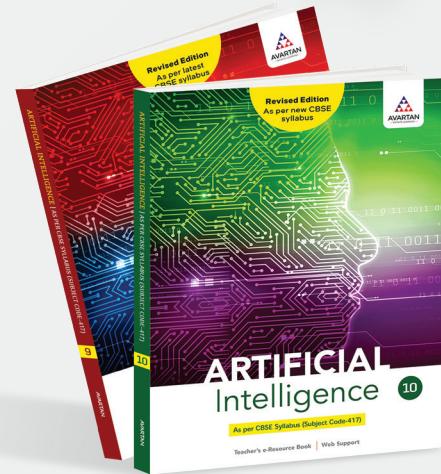
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# ARTIFICIAL INTELLIGENCE

- ◆ Strictly adheres to the AI Curriculum prescribed by CBSE and the Department of Skill Education for **Subject Code-417**
- ◆ Books are divided into two parts—**Part A (Employability Skills)** and **Part B (Subject-specific Skills: Artificial Intelligence)**



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# INFORMATION TECHNOLOGY

- ◆ Strictly adheres to the latest syllabus prescribed by CBSE for **Subject Code-402**
- ◆ Books are divided into two parts —**Part A (Employability Skills)** and **Part B (Subject-specific Skills: LibreOffice)**



Teacher's e-Resource Book





# Digital Support

## Teacher's e-Resource Book

This digital asset aids teachers and learners through e-book and other learning tools. It allows teachers to turn conventional classroom teaching into an interactive learning process.

## Web Support for Teachers

It contains additional content to help teachers in day-to-day classes by providing lesson plans, worksheets, answer keys, additional questions and answers, quizzes, and more.

## Test Generator

A smart and efficient assessment tool to generate customised test papers. It facilitates continuous and comprehensive evaluation of learners.

## ABOUT AVARTAN

**AVARTAN** is committed to producing comprehensive Computer Science books for schools. In just a few years, we aim to become synonymous with world-class Computer Science books, with its extensively researched content and high production value. As the name suggests, Avartan refers to rules that are recursive in nature, and we believe in adhering to the best teaching and learning practices.

Our books are conceived and designed to make learners and teachers equal partners in the learning process and dissuade rote learning. They not only impart fundamental computer skills, but also extend learning beyond the classroom, pushing the boundaries of education. Trusted and endorsed by schools across the country, our books are helping to nurture a technologically advanced generation.

## MISSION AND VISION

**AVARTAN**, with products that cover an extremely wide spectrum of technology, is driven by the aim to cater to the growing and varying needs of learners and teachers in a format that suits them best. We, at Avartan, play a proactive role in contributing to the ever changing needs of the society.



# AVARTAN

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