



IAME®



ROBOTICS

MARTIAL ARTS

ABACUS

ROMACUS

THE BEST SOLUTION FOR MODERN SCHOOL NEEDS!



Robotics

Robotics refers to the design, construction, operation, and use of robots. Robots are machines that can perform various tasks autonomously or semi-autonomously, with the help of programming, sensors, and other advanced technologies. Learning Robotics makes the students aware of its cardinal factors and features as;

1. Sensors: Robots use sensors to perceive and interact with their environment. These sensors can include cameras, microphones, tactile sensors, and more.

2. Actuators: Actuators are the components that allow robots to move and manipulate objects. Examples of actuators include motors, hydraulic and pneumatic systems, and more.

3. Programming: Robots are programmed to perform specific tasks. Programming can range from simple commands to complex algorithms and decision-making systems.

4. Autonomy: Many robots are designed to operate autonomously; they can perform tasks without human intervention. This is often achieved through advanced artificial intelligence and machine learning techniques.

5. Flexibility: Robots can be designed for a wide variety of tasks and applications. They can be customized and reprogrammed as needed, making them highly versatile.

6. Accuracy: Robots can perform tasks with high precision and accuracy, which makes them ideal for tasks that require consistency and reliability.

7. Safety: Robots can be designed to work in environments that are hazardous or difficult for humans, such as in space or deep underwater.

8. Integration: Robots can be integrated with other technologies and systems, such as sensors, cameras, and other robots, to create more complex and sophisticated systems.

Hence, Learning Robotics help the students for:

STEM Education: Robotics is a perfect tool for teaching STEM (Science, Technology, Engineering, and Mathematics) concepts. By building and programming robots, students learn about mechanics, electronics, programming etc.

Enhancing Digital Literacy: It is crucial for students to develop digital literacy skills and become more comfortable with technology and better equipped to navigate the digital world.

Encouraging Independent Learning: Robotics, AI, and Coding are fields that require self-directed learning and exploration. By encouraging children to explore these fields on their own, parents can help foster independence and a love of learning.

Preparing For Future Job Opportunities: AI and Robotics are becoming increasingly important in various industries, including healthcare, manufacturing, transportation, and finance. Hence, we need to better equip our children.

Children needs to be provided with opportunities to learn about and work with Robotics, AI and Coding. Surely, learning this area is a profitable investment regarding students who expect a competitive edge in the job market and dream a successful professional lives.

Martial Arts

It's a diverse set of physical and mental disciplines that originated from various cultures and traditions around the world. Romacus consists of Kungfu and Karate and proposes to make our students quite fit both in brain and body. Through this training our students can be benefited at least its features of;

Self-Defense: The primary purpose of martial arts is to teach individuals how to defend themselves in various situations. It teaches techniques and strategies to protect oneself from physical harm.

Discipline and Self-Control: It promotes discipline and self-control through various exercises, practices, and rituals. These practices help individuals develop focussing, concentration, and emotional stability.

Fitness and Health: Training martial arts is an excellent way to improve overall fitness and health. Martial arts exercises improve strength, flexibility, balance, and endurance.

Cultural Heritage: Most of the martial arts have deep cultural roots and traditions. These traditions often involve respecting one's parents, teachers, elders, training partners, and the martial arts community.

Mental and Spiritual Development: Its training emphasizes mental and spiritual development as well as physical strength. Many martial arts incorporate meditation, breathing exercises, and other mindfulness practices to promote mental and emotional well-being.

Competition: Some martial arts involve competition and tournaments. These events

provide an opportunity for practitioners to test their skills against other martial artists and to showcase their abilities.

Overall, martial arts offer a unique blend of physical fitness, mental discipline, and cultural heritage, making it a valuable practice for personal development.

Apart from these pure martial art items, Roller Skating, Soccer and Badminton are also included in the package of ROMACUS. Hence, the students will be trained scientifically by skilled trainers and they can be very proficient in these fields also.

Abacus

Abacus study involves learning and mastering the use of an abacus, a traditional counting device that has been used for centuries to perform mathematical operations. Some of the features of abacus study include:

Mental Calculation: Abacus study teaches learners how to perform mathematical calculations mentally, without relying on a calculator or other electronic devices.

Speed and Accuracy: The use of an abacus allows learners to perform calculations quickly and accurately, enhancing their mathematical abilities.

Visualization: Abacus study involves visualizing numbers and their relationships, helping learners to better understand mathematical concepts.

Concentration and Focus: Abacus study requires concentration and focus, which can help learners to develop better concentration and focus in other areas of their lives as well.

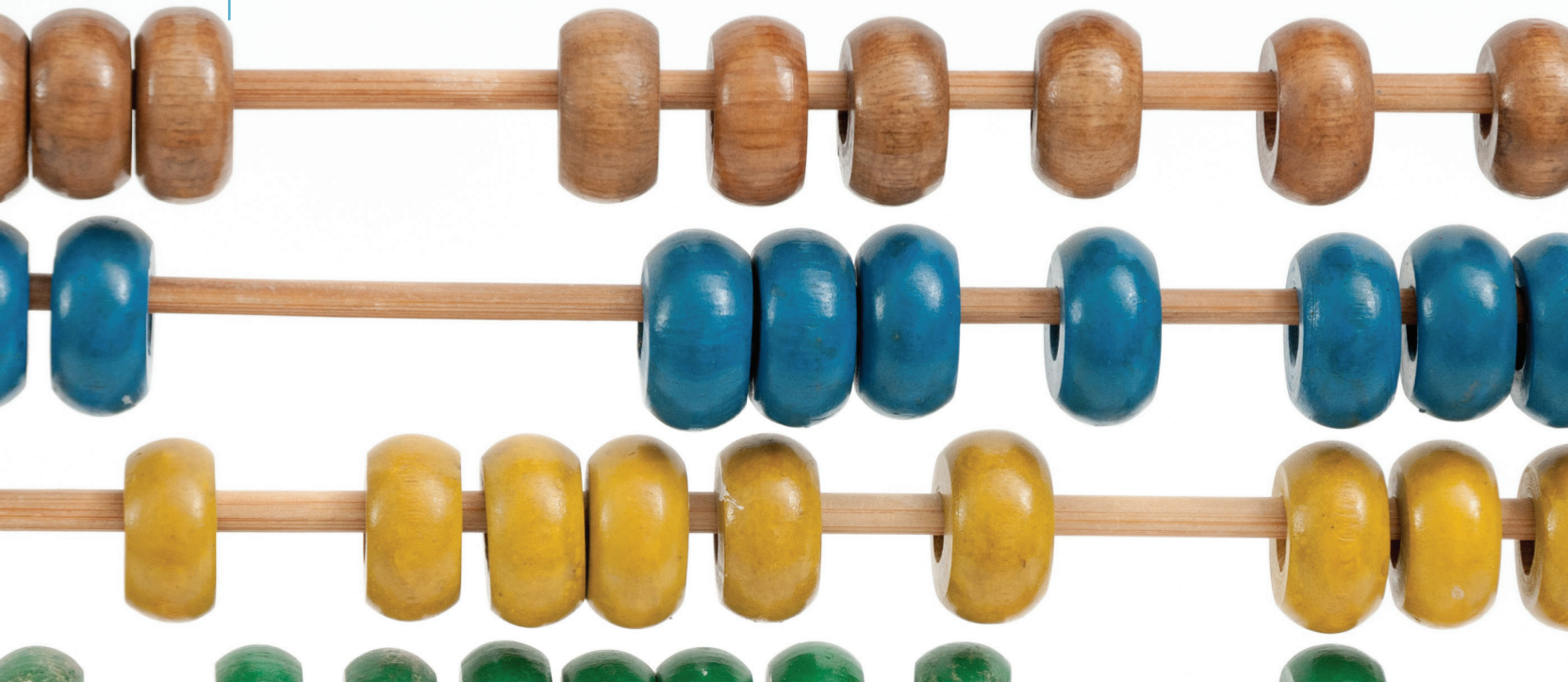
Logical Reasoning: Abacus study helps learners to develop logical reasoning skills, enabling them to solve complex mathematical problems more effectively.

Memory Enhancement: Abacus study involves memorizing the position of numbers and their relationships, which can help learners to improve their memory and recall abilities.

Hand-Eye Coordination: Abacus study involves the use of physical movement, which can improve hand-eye coordination and motor skills.

Cultural Heritage: Abacus study is a cultural heritage that has been passed down from generation to generation, preserving traditional knowledge and practices.

Overall, abacus study is an effective way to develop mathematical skills and mental calculation abilities, while also promoting concentration, focus, logical reasoning, memory enhancement, hand-eye coordination, and appreciation for cultural heritage.



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