

ARE YOU LOOKING TO BUILD YOUR FUTURISTIC ROBOTICS AND AI LAB OF INTERNATIONAL AND INDUSTRY STANDARD IN ALIGNMENT WITH THE NEP?

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**HOLISTIC
DEVELOPMENT IN
ALIGNMENT WITH
NEP'S VISION**

Unlock

THE FUTURE

With Hands-on
**Robotics
Coding & AI
Education!**

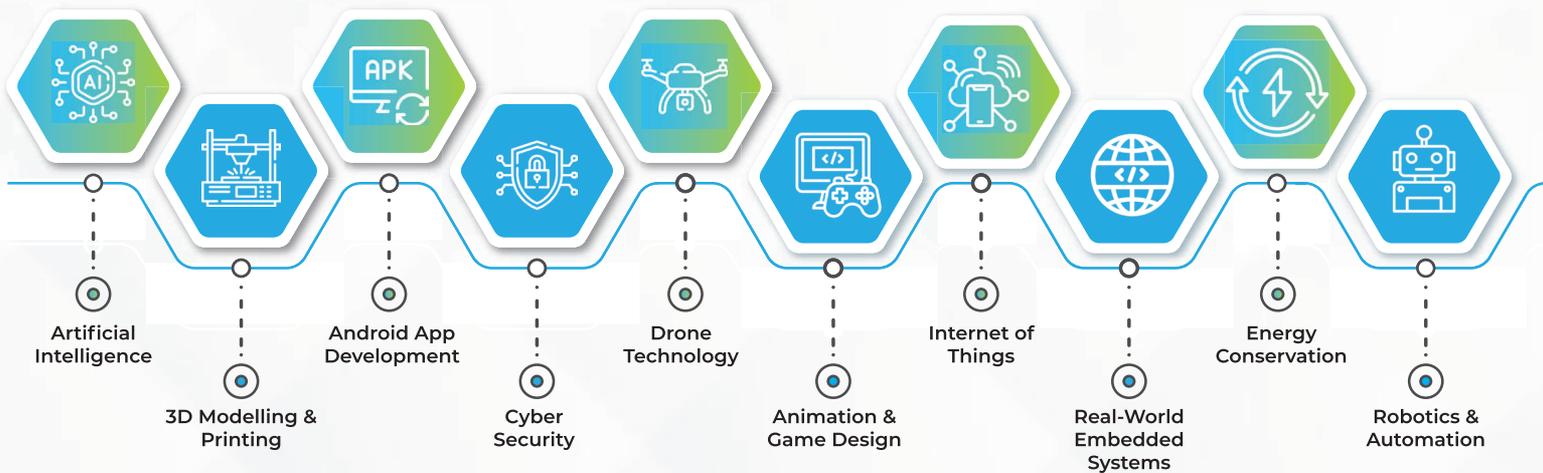
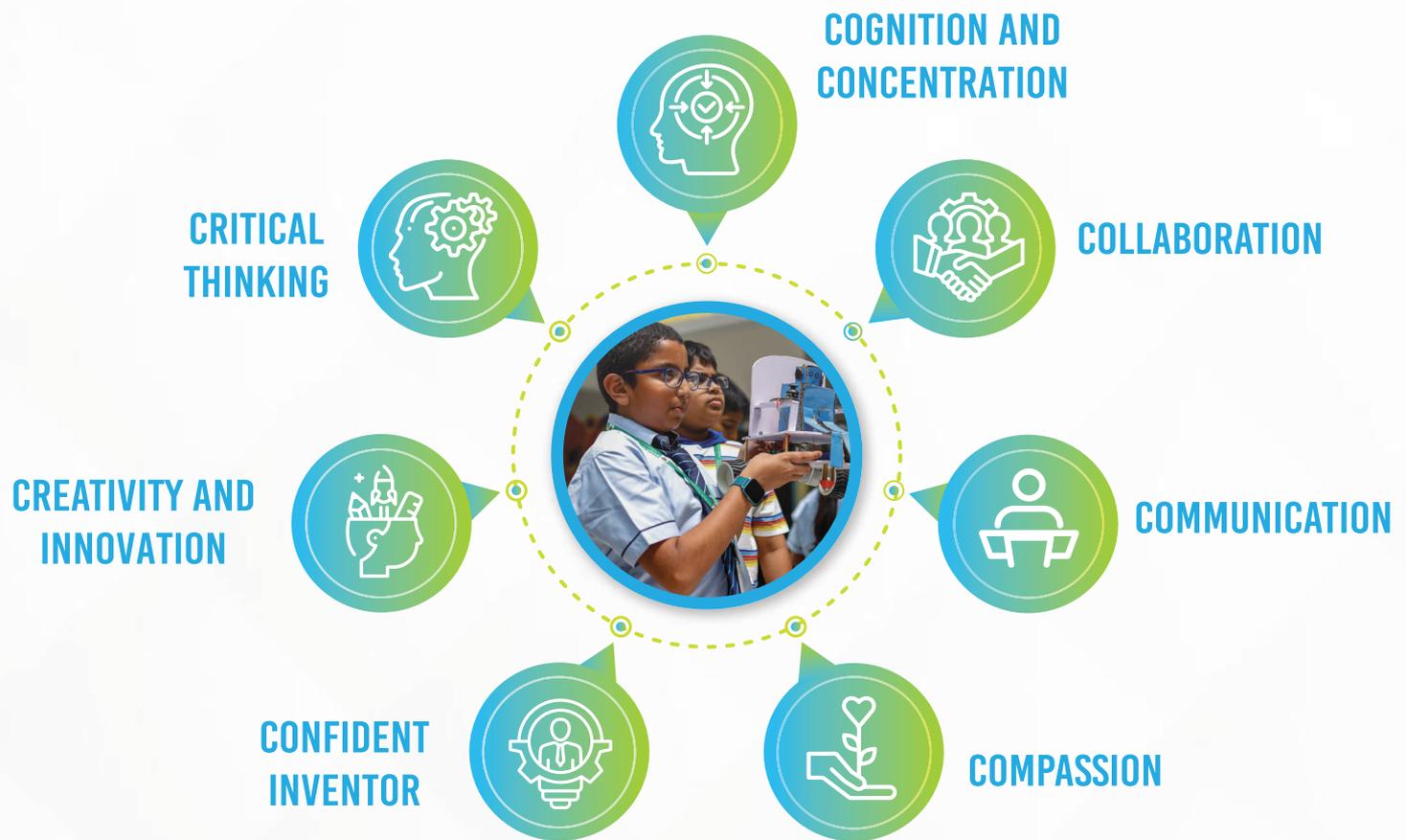
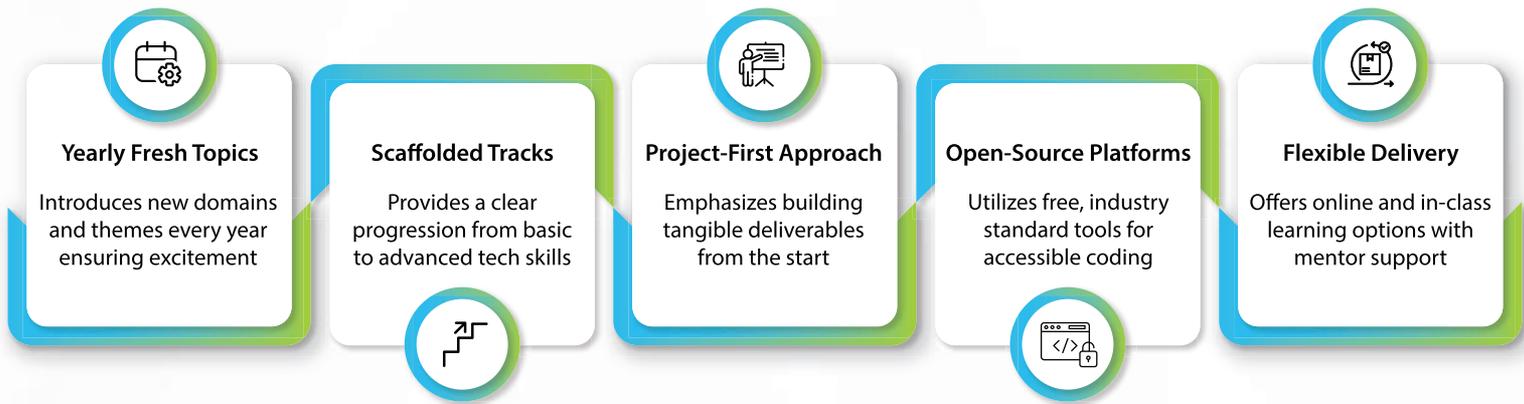


**INDUSTRY
ORIENTED**



HANDS-ON

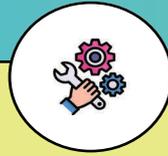
FUTURE-TECH EDUCATION





Co-curricular Program

28 Periods/Year
2 Periods/Session
14 Sessions/Year
Expo at the year-end



Kit and Components

Robotics kit with structured curriculum taught the hands-on way!



Mentor Training

School mentor trained by the company with step-by-step online resource portal

Co-curricular Robotics Program (Domain-based Approach)

GROUP	AWARD TITLE	DOMAIN DESCRIPTION	CERTIFICATION	
A	A1	Budding Animator	Creating animation sequences and interaction design using a simple graphical interface	NCC
	A2	Savvy Wonderer	Building concepts and simple games in a player-led arcade themed approach	STEM.org
B	B1	Blossoming Roboteer	Devising navigational control applications and deploying autonomous robots	STEM.org
	B2	Hardware Hacker	Implementing prototypes of embedded systems encountered in daily life using a GUI	eLabtronics
	B3	3D TechnoWiz	Fabricating 3D Models, exploring 3D Printing and tinkering with electronic circuits	Ionic3DP
C	C1	Bi-Ped Botist	Building a multi-functional, human-interaction enabled 3D Printed Bi-Ped walking robot	Ionic3DP
	C2	QuadBot Prodigy	Constructing a four-legged robot and ideating applications of bio-mimicking	STEM.org
	C3	Industrious Automator	Innovating industrial automation with a robotic arm and end effectors	STEM.org
D	D1	The Thingsman	Developing applications based on Internet of Things with an user-interface	STEM.org
	D2	AI Adept	Deploying AI-enabled decision-making and wireless device control	eLabtronics

Standard-wise Grouping: A - Grades 1 & 2 | B - Grades 3 to 5 | C - Grades 6 to 8 | D - Grades 9 & above

- 3 to 5 students will collaborate on one kit (1:3 to 1:5)
- The company will collect the current domain kits and provide the next domain Kits every year
- Students will experience different domains and applications each year

Year 1	A1, B1, C1, D1
Year 2	A2, B2, C2, D2
Year 3	A1, B3, C3, D1





Online Support

All engagement is conducted online, Offline support can be provided at extra cost



Learning Resources

Online LMS powered Guided Learning, with videos/ PDFs and assessments



Program Certification

Standard e-certificate on course completion with optional International Certification

Co-curricular Robotics Program (Construction-based Approach)

GRADE	AWARD TITLE	THEME	CERTIFICATION
Grade 1	Creative Constructor	Building moving models and expressing stories through creative animation	NCC
Grade 2	Inventive Engineer	Designing sensor-powered machines and Coding interactive digital games	NCC
Grade 3	Virtual Mechanist	Exploring linkages, mechanisms, and virtual robots in simulated environments	Ionic3DP
Grade 4	Design Innovator	Creating automated robots and custom 3D models through design thinking	Ionic3DP
Grade 5	Smart Technologist	Combining robotics and mobile apps to control motion and interaction	STEM.org
Grade 6	AI Creator	Integrating AI and sensors to develop responsive, intelligent systems	NCC
Grade 7	Embedded Maestro	Programming microcontrollers and machines to sense, display and respond	Ionic3DP
Grade 8	Automation Architect	Engineering real-world automation using robotics and Python programming	STEM.org

- 3 to 5 students will collaborate on one kit (1:3 to 1:5)
- The same robotics kit will be used across all grades
- A large range of components with a larger range of possibilities
- Creatively explore electronics-integrated construction-based projects
- Students will have a combination of robotics and coding sessions
- 3 Robotics projects across 6 sessions | 6 Coding projects across 6 sessions

