

CERTIFIED STEM EDUCATORS TRAINING PROGRAM

ROBOTICS, CODING & AI





About STEMROBO

STEMROBO provides End-To-End Solution to K-12 Schools & Students for Nurturing Innovation & 21st Century Skills among young Students of age 6-18 years. We offer 21st-century students an opportunity to explore, experience and bring Innovation through a world class STEAM, AI, Robotics, Coding Curriculum Integrated with our unique & affordable Technology Products and Solutions delivered in an Online or Hybrid model; thereby enabling and empowering students to be able to become Creative - Thinkers and Problem - Solvers.



3,000+

Schools Tinkering
& Innovation Lab Setup



7,50,000+

Enrolled Students



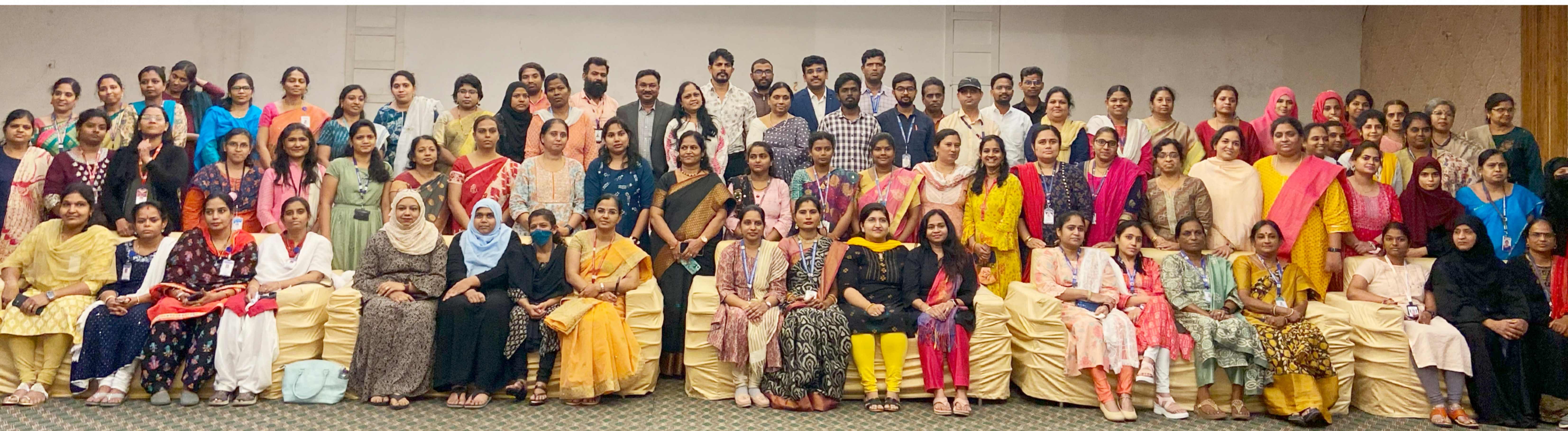
30+

Activity Centres



38,000+

Teachers Trained



About This Program

Our focus is to transform teaching standards by enhancing individual's development through professional expertise in the field of STEAM, Robotics, Coding and AI.

Through our years of expertise, unique methodology and content rich pedagogy, we deliver high quality training to set up teaching standards up to the mark.

Not only in the world of teaching but we will be helping you to place a strong footsteps in this technology driven world. Our courses are designed in a way that will give you a free hand to establish yourself in the field of education by promoting 21st century skills to the school students or through setting up your own activity centre.

Why Join This Program

- Opportunity to become a part of STEMROBO's wide network of schools, educators & students.
- Get certified for most sought skills of 21st century and unleash your true potential in STEAM Education.
- Access to the world-class curriculum around STEAM, Robotics, Coding & AI.
- An opportunity that can bring fortune with good source of income.
- Chance to upskill and elevate high into your carrier progression through transforming education.
- Benefit young innovators by working at the grass-root level supporting Progressive India.
- Get yourself trained around STEAM education and project based learning through our unique methodology and pedagogy.

Program Overview

Assessment and Certification:

- **Regular Quizzes:** Periodic quizzes to evaluate understanding of theoretical concepts.
- **Project Evaluation:** Assign project-based assessments where educators design and implement their own STEM, robotics, and AI/ML projects.
- **Final Capstone Project:** Participants design a comprehensive project that encompasses multiple elements of the program, showcasing their ability to teach and implement these technologies effectively.

Support and Engagement:

- **Webinars and Workshops:** Regular virtual workshops with experts in STEM, robotics, AI, and education to address questions and provide deeper insights.
- **Peer Interaction:** Encourage participants to collaborate, share experiences, and discuss challenges on the AI Connect platform.
- **Mentorship:** Assign experienced mentors to provide personalized guidance and support throughout the program.

Resource Development:

- **Curated Learning Resources:** Compile a variety of learning materials including articles, videos, and tutorials, for participants to refer to.
- **Sample Lesson Plans:** Provide sample lesson plans that educators can use as a foundation for teaching these topics in their classrooms.

Certification:

Upon successful completion of assessments and the final capstone project, participants receive a certified educator badge in STEM, robotics, 3D designing, coding, AI, and machine learning.

Unlocking STEM Excellence: The Immersion Program

Join our Certified Educator Program and dive deep into STEM, Robotics, AI, ML, AR, VR, and IoT. We're bringing the experience to you:

1. **Local Immersion:** Train in a STEMROBO-affiliated school near you, working with cutting-edge DIY Kits including Tinker Orbits, Mechatron, STEMBOT, BITLI, Tinker N Design Kit, STEAM Paper Circuit Kit, the Smart Drone Kit, and 3D Printer. Explore immersive technologies like AR and VR.
2. **Student Engagement:** Get hands-on experience by leading workshops for students at the host school. Inspire the next generation of innovators.
3. **Delhi NCR Advantage:** For participants in Delhi NCR, immerse yourself in our Tinker Studio at STEMROBO HQ, Noida, for an intensive training experience.

Broaden your horizons, transform your teaching, and empower your students with the future of education.

LEVEL-1

MODULE 1

Robotics



4 Live
Interactive Sessions



20 hours Self-Learning Sessions



Weekly Live & Interactive Webinars



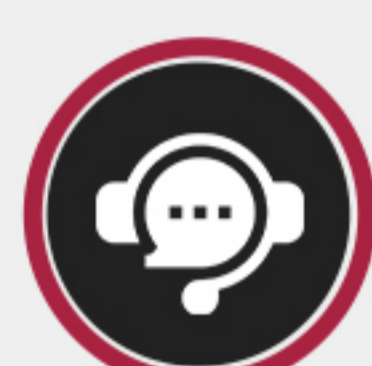
1:1 Live Assessment

Achievements:

- Teachers acquire hands-on experience in virtual robotics.
- Learn to integrate robotics concepts effectively into teaching.
- Enhance classroom engagement through dynamic, interactive lessons.

MODULE 2

3D Designing



1 Live
Interactive Session



4 hours Self-Learning Sessions



Weekly Live & Interactive Webinars



1:1 Live Assessment

Achievements:

- Master 3D design fundamentals using Tinkercad effectively.
- Foster innovative teaching approaches with engaging 3D design projects.
- Seamlessly incorporate Tinkercad into diverse subjects for enriched learning.

MODULE 3

Block Python



1 Live
Interactive Session



20 hours Self-Learning Sessions



Weekly Live & Interactive Webinars



1:1 Live Assessment

Achievements:

- Fundamentals of python Programming on AI Connect.
- Learn to make various logos, designs and flags.
- Real time based artificial Intelligence & Machine learning projects.

Coding Educators Program Fee : Rs.14999

(9 Live and 72 Self Learning)

Inclusive of Basic Robotics DIY Kit



Self - pace
learning



Free Access to
self-learning
content
for 12 Months



Access to
STEMROBO skill
development
program



Will help you to
groom soft skills
& technical
skills



Earn While You
Learn: Get a
chance to train
young students

LEVEL-2

MODULE 1

Advance Robotics



1:1 Live
Introductory Session



40+ Hands-On Activities & Projects



Weekly live & Interactive Webinars



1:1 Assessments

Achievements:

- Teachers adept in Arduino hardware, covering diverse applications like LED control, displays, sensors.
- Educators skilled in hands-on Arduino projects, fostering STEM learning through interactive robotics.
- Empowered teachers for creative electronics, preparing students for technological futures.

MODULE 2

IoT



1 Live
Introductory Session



5+ Hands-On Activities & Projects



Weekly live & Interactive Webinars



1:1 Assessments

Achievements:

- Empowered teachers with NodeMCU, Blynk, IoT skills.
- Practical projects for classroom IoT engagement.
- Proficient in Thingspeak, Cayenne for real-world data applications.

MODULE 3

Textual Python



1 Live
Introductory Session



20+ Hands-On Activities & Projects



Weekly live & Interactive Webinars



1:1 Assessments

Achievements:

- Certified Educator Program for teachers, covering fundamental to advanced Python concepts.
- Engage with Python IDLE/PyCharm, real-world projects, and interactive activities.
- Includes building ATM Management System, Database operations, and more practical applications.

Coding Educators Program Fee : Rs.19999

(9 Live and 72 Self Learning)

Inclusive of Basic Robotics DIY Kit



Self - pace
learning



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STEMROBO CERTIFIED EDUCATORS TESTIMONIALS



ANJALI GUPTA

Sessions Delivery Hours: 1000+
Level-3

Hello,

Being a Trainer in Tinker Coders I could flaunt my journey uptill now as the best experience of Learning Training and Achieving. I feel immense pleasure in performing multiple roles directly and indirectly towards the Brand Building of Tinker Coders. My learnings during the journey were wonderful which includes how to manage time, curriculum, teaching, also getting technical skills in different programming languages.

Always feel proud and lucky to be a part of this wonderful company.

I will keep adding all my efforts and creativity for making this venture a great success.

Thanks

Best regards!



DHYEY MANSATA

Sessions Delivery Hours: 2500+
Level-3

Hello,

I started my journey in Tinker Coders as a stone. My team and our management carved me into a Gemstone. Yes! All trainers of Tinkercoders are Gemstone. When you have a great team of supportive colleagues, favourable working conditions, a visionary & inspirational leader and everyone working with a collective vision of making TinkerCoders, a pioneer in imparting 21st century skills to the school-going children around the world, then you know your experience with this company will be phenomenal.

This is what helped us in keeping our head high and confident. I am looking forward to being one of the Founder Trainers of Tinnkercoders.

Regards



NEHA JAISWAL

Sessions Delivery Hours: 800+
Level-2

Hello Everyone,

My overall experience with TinkerCoders is Excellent. So far I have learned so many things in game development, app development, robotics and my learning mode is always on. I believe in Experiential Learning and relate it with coding so that every kid can learn through coding. I love to take every challenge by heart and give my 100% which gives me mental and emotional satisfaction. Thanks for pushing me to explore my capabilities. I am very thankful to my PL and colleagues for maintaining such a good working atmosphere. I look much more in future years.

Thanks and Regards



VIKASH KUMAR

Sessions Delivery Hours: 3000+
Level-3

Hello Everyone,

I'm glad that I'm getting opportunity to share my experience in TinkerCoders, When I joined this firm I was totally new to this vision of empowering k12 students with knowledge of STEM, being an introvert I thought it would be difficult surviving here but people here helped me a lot to learn and tackle the problems, I believe that I'm somewhat making a positive contribution in this organisation with my ability and experience, I aim to leverage the technology and STEM concept to a next level.

Thanks



AMARPREET SINGH

Sessions Delivery Hours: 700+
Level-2

Hi,

Tinkercoders is a 'ship' that delivers a cargo of technical knowledge to each student irrespective of any boundary. A fully dedicated army of tinkerers is all committed to this task of 'technical enlightenment.

Being a part of this crew, All I want is to make us reach every horizon where sometimes sunlight can't and it means in all aspects. We as a Team are dedicated to bringing that change from Grass root level, where each and every child is exposed to Technologies and is capable of developing all 21st Century solutions.

Thanks



SHUBHAM GUPTA

Sessions Delivery Hours: 2500+
Level-3

Hello Readers,

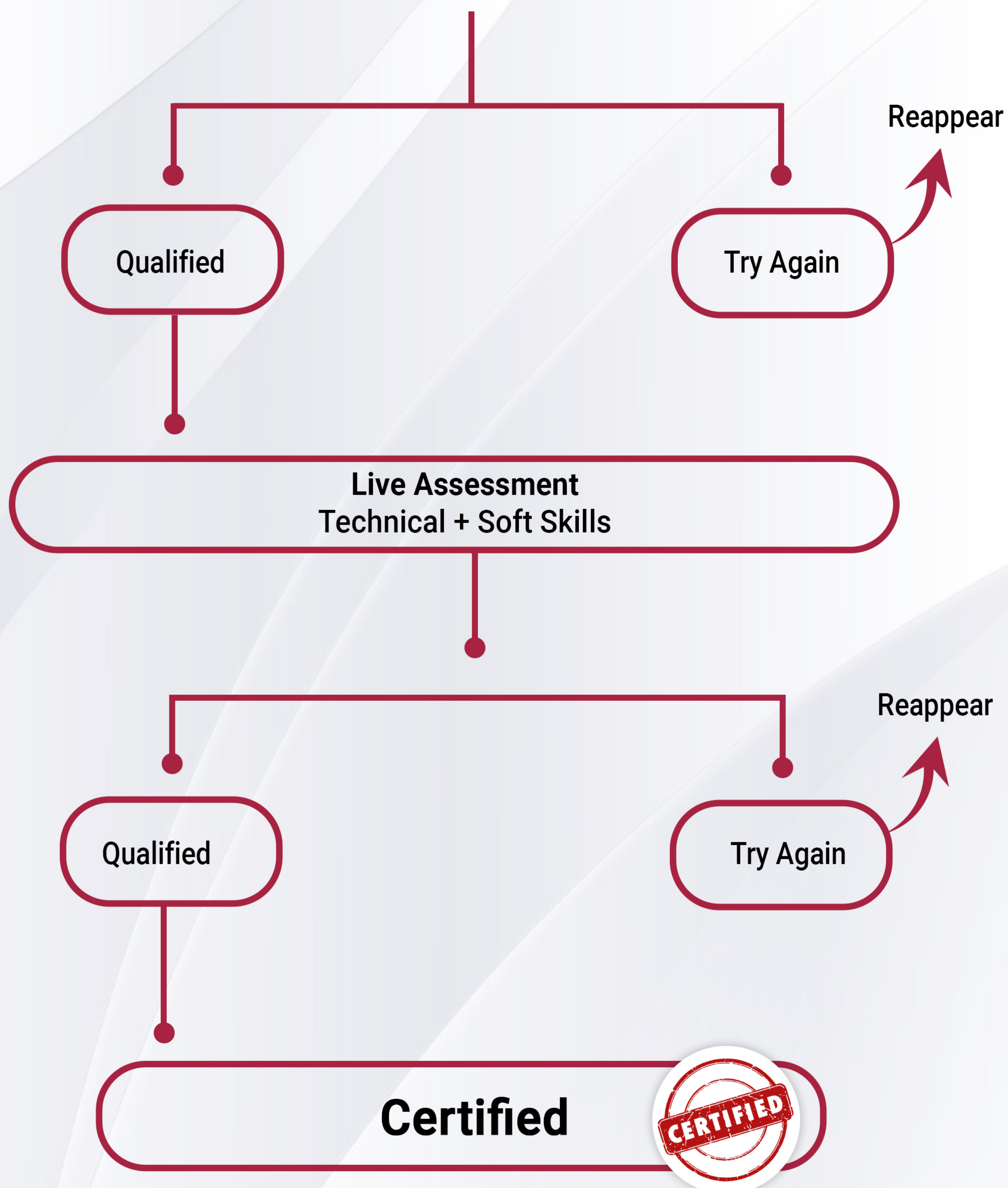
Thank you so much for the opportunity, so far the experience is nice. Throughout my time I have learnt a lot of things about career and the corporate world. For me it was an overall development. I also have a vision about tinker coders. I would like to see my company ranking top globally in terms of Ed-tech firms. I want our organisation to become one of the most renowned and promising firms throughout the world. In the journey of this great vision I would always give my fullest and will try to be one of the supporting pillars as always.

Thank you

ASSESSMENT JOURNEY

MODULE COMPLETION

Written Assessment



STEMROBO IN ACTION AT SCHOOLS

