



INNOVATION LAB

MKAI SOLUTIONS Pvt. Ltd.

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The Dream of Innovation Culture of our CMD



“Innovation is no longer a choice but an imperative in today’s era of 4th Industrial Revolution”

*As it is said that, **“we can’t always prepare future for our children, but we can prepare our children for the future”.***

*Believing in this dictum, we at the MKAI Solutions have come up with Innovation Lab with state of the art innovation toolkits to prepare our children for the **tech-led world.***

This is a unique initiative by our venture, wherein we introduce the students to the world of Robotics, Augmented and Virtual reality, 3D printer and STEM experiments. Our special focus remains with respect to **improve learning outcomes** at the govt. schools, as they generally have a huge **“learning gap”** vis-à-vis private schools, this gap has widened more so, because of Covid-19 pandemic imposed lockdown, which had a biased impact on govt. schools.

Now, **“innovation is no longer a sole preserve of private schools”**. With innovation labs, our govt. school children will get a level playing field and have a **competitive edge**. These Labs will give these children the best possible exposure, which is generally lacking. The idea is that the students learn while having fun and by doing experiments on their own as we believe that **“rote learning needs to be replaced with experiential learning”**. We’ve specially designed these experiments through our team of experts who have drawn from different disciplines. We even train the school teachers through our master trainers so as to maintain the sustainability and continuity of the initiative. **We believe not just in output but the outcomes.**

The Hon’ble Prime Minister of our country has given the slogan – Jai Jawan, Jai Kisan, Jai Vigyan & Jai Anusandhan (innovation)

So, Let us join hands to create Innovation Culture at our schools!

**CMD
MKAI Solutions Pvt. Ltd.**

STEM Kits & Toys

The learning is better when students explore things themselves; perform the experiment and record observations. Out of our pool of experiments, curriculum mapped experiments are selected and given to students at the time when the particular concept is being taught.



Augmented Reality for Children



Innovation Lab has a virtual corner of tablets with various software/app installed giving students a chance to convert their 2D drawing into a 3D character and giving various motion to these characters



Robotics Corner

Innovation Lab has Robotics corner with basic and advanced kits. Students can make basic remote controlled and programable robots using these kits. Students explore various motors, sensors, gears, pulley, controllers to make various different types of robots.



STEM Board

We create a Science Board in every school the board will have following display –

Scientist of the month

Every month we put a scientist's colored poster on the board along with their initiatives. This helps students to know about the interesting facts which inspire students.

Question of the Month

Every month we display a question related to day-to-day happening. A box is kept below the board and students write the answer on piece of paper and student with best answer is awarded as "Young Scientist of the Month"



3D Printer

In 21st century, one of the basic needs for prototyping is a 3 D Printer. This machine enables to put any of your design into reality. This helps curious students to think and design things which they may need.



3D printing is additive manufacturing. That means the plastic is built up one layer at a time. The print surface which is called the print bed and print head work together to print in three dimensions.

Modelling

Virtual Blueprints from Computer Aided Design (CAD)

Printing

3D printers read the design and lay down successive layers of material

Finishing

After printing the supports are removed or dissolved to get the final product



Let's Prepare our Children for
FUTURE!

INNOVATION LAB

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