



**SHARD** CENTER<sup>®</sup>  
FOR INNOVATION

Giving wings to your child's imagination



# Founder's Message

The **Shard Center for Innovation** represents our profound belief in the power of transformative education in emerging technologies. Our vision is to shape the future of society by "giving wings to your child's imagination" and providing them hands on experiential learning that equips individuals with the skills, knowledge and mindset needed to thrive in a rapidly evolving world.



I am privileged to lead this initiative and have full confidence in the passion and expertise of the **Shard Center for Innovation** team. Together with our esteemed business associates and patrons, we are poised to realize our vision of empowering individuals and organizations to embrace innovation, drive change and create a brighter tomorrow for all.

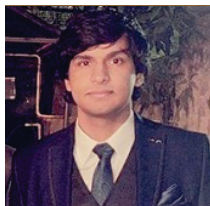
Pankaj Kumar  
Founder & Managing Director

## Our Leadership Team

Shard Center for Innovation is backed by a highly experienced leadership team including the Managing Director, Vice President, General Manager and Head of Academics, Designing and Operations ensuring schools receive strategic support, academic guidance and smooth implementation throughout the onboarding journey.



Dr. VP Singh  
Advisor



Mr. Mayank Raj Singh  
Co-Founder



Mr. Dhiraj Arora  
Vice President



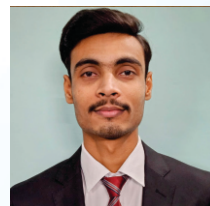
Mr. Aman Tiwari  
General Manager



Ms. Aastha Singh  
HR & Admin



Mr. Brahnamurti  
GM Operations



Mr. Saurabh  
Academic

Together, we aim to empower students with future ready skills and transform classrooms into centers of innovation.

## Vision:

We envision a future society where excellence and innovation have no limits. Our goal is to nurture young minds in emerging domains, empowering them to drive progress and revolutionize industries with their brilliance and expertise.



## Mission:

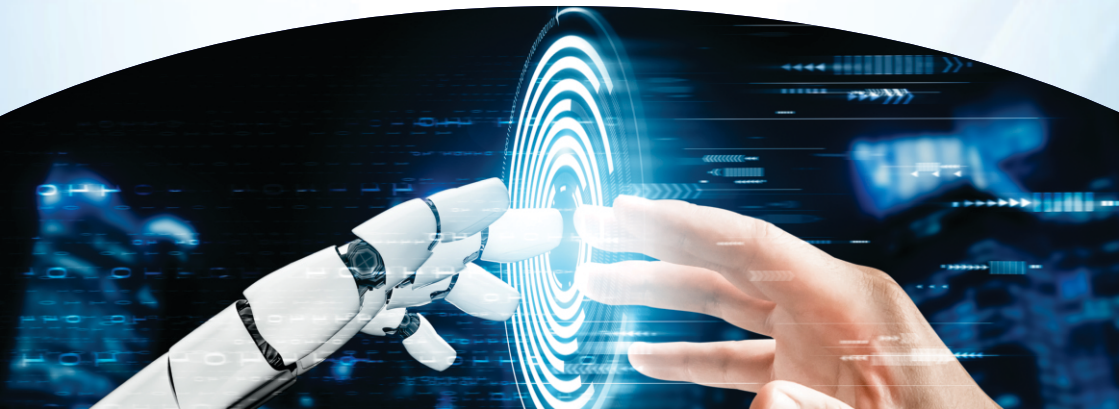
Our mission at **Shard Center for Innovation** is to create an environment that encourages exploration and growth. We provide a dynamic platform for participants to actively engage in the intricate fields of **Artificial Intelligence, Drones, Machine Learning, IoT, Robotics**, and more. Through experiential learning and hands on experiences guided by our skilled experts, we aim to propel young minds into cutting edge disciplines, preparing them to excel in every aspect of their lives.



## Overview:

At **Shard Center for Innovation**, we thrive to create a future society through transformative education in upcoming technologies, human skills and management practices world wide. We excel in unparalleled programs in cutting edge disciplines like **Artificial Intelligence, Drone, Machine Learning, Robotics and Internet of Things (IoT)** etc.

Through excellence and innovation, we ignite young minds to a distinct place in the ever evolving professional landscape. Our eminent faculty and state of the art facility provides a fully involved and unique learning experience to our participants into an ever evolving modern world.







# Our Expertise



## *Artificial Intelligence*

The Artificial Intelligence has revolutionized the world by giving new insights, generating contents, helping in decision making, automation and conduct of the multi-dimensional operations. Its adaptive nature fosters human like intelligence, efficiency and innovation, shaping the future societies.



## *Drone*

In recent years, Drone technology has become an epitome of progress in the fields of operations management, 3D mapping, mining, transportation, and surveillance. Their use has become widespread for commercial, professional as well as civilian purposes.

## *Robotics*

These intelligent machines are becoming common in a range of activities like object recognition & response, task execution and handling hazardous situations, as well as helping people in their day to day work. A sizeable portion of our work life is going to be occupied by them in future.





## ***Machine Learning***

It allows machines to learn and improve automatically. It provides an insight to the Customer behavior and transaction patterns to help the enterprises develop new products & strategies and solve the complex problems of the industry.



## ***Internet of Things (IoT)***

This Future Technology embeds digital technology into the physical world. It employs the functional objects enabling them to connect, communicate and operate over a network without human intervention, revolutionizing the day to day life as well as complex business processes.

## ***Data Science***

The ability to collate and analyze the gigantic data for meaningful insights and actionable results is the bedrock of success for every industry today. It applies various scientific methods, tools, languages and algorithms.



## ***3D Printing***

This revolutionary technology has changed the landscape of designing and production processes. It offers a quick and cost effective method, accelerating the product cycle with greater flexibility and multiple design options.

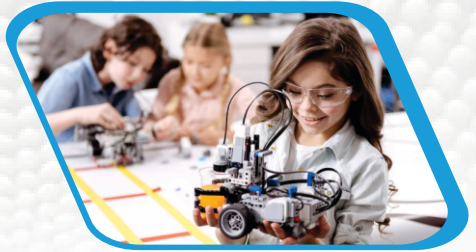
## Young Scientists Programme

In our Young Scientists Programme (YSP) we provide world class educational ecosystem aligned with the highest global standards in cutting edge technologies like **Artificial Intelligence Drone, Machine Learning (ML), 3D printing, Design thinking, IoT and Robotics**. Crafted in accordance with the New Education Policy '2020', we offer our students an unparalleled, hands on learning experience meticulously curated to prepare them for the forefront of innovations.

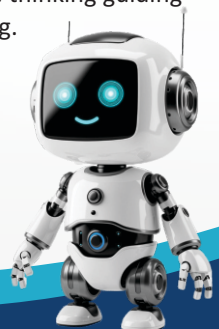
Catering to the needs of different age groups, i.e. 7 to 10 years (Primary), 11 to 14 years (intermediate) and 15 to 18 years (Advanced), our programs ensure that the children of various ages benefit from this valuable learning opportunity as per their individual growth expectations.

### Primary (7-10 Yrs)

The Primary program at **SHARD Center for Innovation** is meticulously designed to ignite the curiosity and creativity of young learners in a joyful and engaging environment. This program offers a hands-on experience in:



- **Block Based Coding:** Introducing children to the fundamentals of coding through intuitive and visual programming platforms that make learning logic and sequencing fun.
- **Pre Robotics:** Providing an early introduction to robotics concepts, allowing children to explore how robots work and even build simple robots.
- **Scratch Programming:** Utilizing the Scratch platform to teach basic programming skills through interactive and creative projects that children can easily understand and enjoy.
- **STEM Aptitude:** Enhancing children's natural curiosity in science, technology, engineering, and mathematics through playful yet educational activities.
- **Design Thinking:** Encouraging creative problem solving and innovative thinking guiding children through the design process from brainstorming to prototyping.



## Intermediate (11-14 Yrs)

The Intermediate program is designed to further cultivate the talents of young scientists in more advanced and specialized fields. It provides a comprehensive, experiential learning environment where students can delve into:



- **Robotics:** Offering more complex robotic projects and challenges that deepen their understanding and skills in building and programming robots.
- **Drone Assembly:** Introducing students to the basics of drone technology including assembly and basic piloting skills.
- **3D Printing (Elementary):** Teaching the basics of 3D printing technology, allowing students to design and print their own models.



## Advanced (15-18 Yrs)

The Advanced program is tailored to equip young innovators with mastery over the latest technologies and prepare them for real world challenges by advance technical equipment.

- **Advance Robotics with AI:** Training with advanced programming skills to our students for focus on a key language in AI.
- **Machine Learning:** Providing comprehensive knowledge and practical experience in machine learning techniques and applications.
- **Data Analystist:** Covering the fundamentals and advanced concepts of analysis, statistics and data manipulation decision making.
- **Drone Configuration and Assembly:** Offering detailed instruction on the configuration, assembly and advanced piloting of drones.

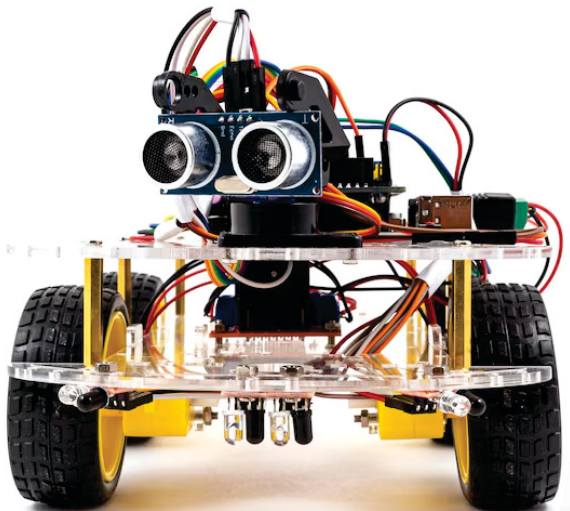




## Salient Features

- ▶ The programme offers hands on experiential learnings on AI, ML, Drone, Robotics, Design Thinking, IoT and 3D Printing.
- ▶ Extensive curriculum covering all theoretical & practical aspects of these disciplines.
- ▶ **Tailor made for the age groups:** 7-10 Yrs, 11-14 Yrs and 15-18 Yrs. Particularly in the light of the New Education Policy '2020'.
- ▶ The primary level includes block based Coding, Pre-Robotics, Scratch, introduction to the Drones and preambles of the Design thinking.
- ▶ The Intermediate level covers Robotics, Drone, AI, ML, medium levels of programming, Design thinking, 3D basics and IoT basics.
- ▶ The Advanced level delves into AI/ML programming, Robotics, Data science, 3D Printing, Design thinking and IoT applications.
- ▶ To make them 'Industry Ready', it also includes special sessions on Career counselling.
- ▶ World class educational environment under Expert mentorship in a creative and joyful environment.

## Young Scientists Programme



## Short Courses for Professionals:

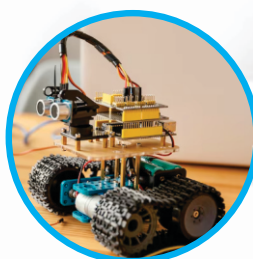
**Shard Centre for Innovation** is excited to unveil its latest offering: short term courses tailored for professionals seeking to upskill and stay competitive in today's rapidly evolving industries. With a focus on crucial domains like **Artificial Intelligence (AI), Machine Learning (ML), Data Science, Robotics, IoT** and Resource Management, these courses provide a comprehensive learning experience led by industry experts, a remarkable value addition in the career of the professionals. Whether you're a seasoned professional looking to depend your expertise, or a newcomer eager to explore the new fields, our flexible formats, including online, on site and blended options, ensure that you can advance your career on your own terms.



## Full-Time Courses for Professionals

**Shard Center for Innovation** diligently introduces its full-time intensive courses, designed specifically for professionals ready to take next leap further in their careers. With a focus on the cutting edge technologies like Artificial Intelligence (AI), Machine Learning (ML), 3D printing, Data Science, IoT and Robotics, these immersive programs provide a deep dive into these upcoming domains and industry

practices worldwide. Facilitated with state of the art Labs, under the supervision of the experienced industry professionals, our courses offer hands on experiences and real world applications to ensure that you graduate with the skills and confidence needed to excel in the respective fields.



# RECOGNIZED AND AWARDED BY TOP NATIONAL AND INTERNATIONAL INSTITUTIONS:



**Association for the  
Advancement of  
Artificial Intelligence**



**Skill India**  
कौशल भारत - कुशल भारत





## Why To Choose Shard Center for Innovation?

At the **SHARD Center for Innovation**, we are committed to creating the future society through transformative education in emerging technologies, human skills and management practices world wide. Here's why you should choose us:

- **Global Network:** Our international collaborations and partnerships provide students with a vast network of industry leaders, academicians and innovators, opening doors to global opportunities and insights.
- **Comprehensive Curriculum:** Our extensive curriculum covers a broad spectrum of cutting edge disciplines, including Artificial Intelligence, Drone Technology, Machine Learning, Robotics, Virtual Reality (VR), and the Internet of Things (IoT), ensuring a well rounded education.
- **World Class Faculty:** Learn from the best in the field. Our distinguished faculty members bring a wealth of experience and knowledge, offering unparalleled guidance and mentorship.
- **Industry Relevant Projects:** Engage in real world projects that address current industry challenges. Our programs are designed to be closely aligned with industry needs, providing practical and applicable skills.
- **Cutting Edge Infrastructure:** Our state of the art facilities and advanced technology resources provide an immersive learning environment that supports innovation and creativity.
- **Hands On Learning:** We emphasize experiential learning through practical engagements and hands-on projects, ensuring that students gain tangible skills and experience.

Join us on this journey of excellence and innovation. Ignite your potential at **SHARD Center for Innovation** and become a leader in the ever evolving professional landscape.





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