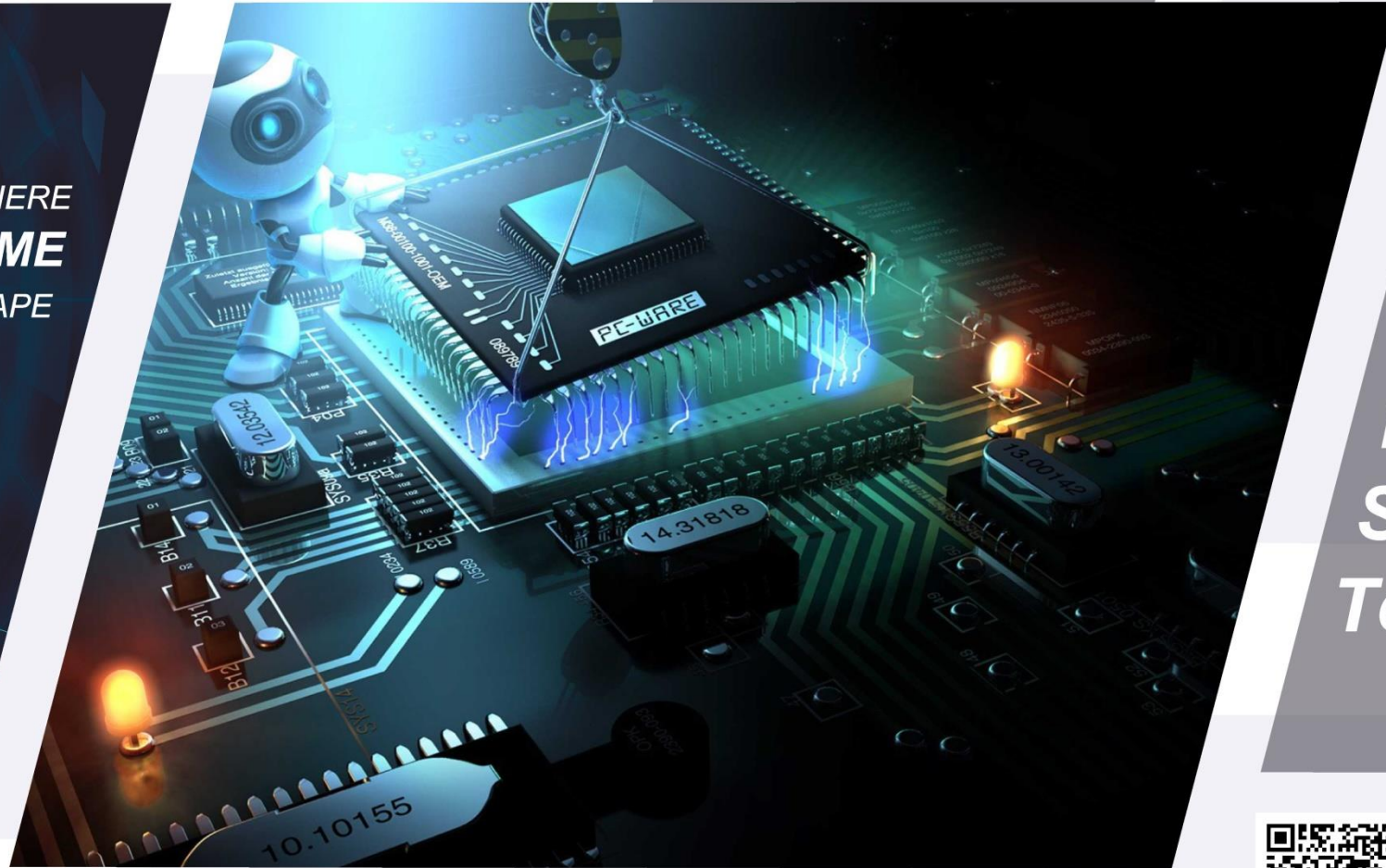


# XENA™ & KRUSHNA™ UGV

WHERE  
**IDEAS COME**  
IN SHAPE



For  
Improvement  
Research in  
Science &  
Technology



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# ABOUT US

**An ISO 9001:2015 Certified  
Company**



**Mr. Bhuvanesh Mishra**  
(MD, Club First Robotics Pvt. Ltd)

*“Knowing is not enough, we must apply”*

*...Leonardo Da Vinci*

*This tag line is the best way to explain the Club First work profile. Club First Group founded in 2007 by Mr. Bhuvanesh Mishra with the vision of making this group a leading company of manufacturing and supplying Robotic services across the world. Club First Robotics Pvt. Ltd. founded in 2020 is one of the start up of Club First Group i.e. dedicated in manufacturing and supplying the robots and automation. Club First offers range of AI enabled humanoid robot which can serve in hospitals, restaurants, offices etc. Robots for fire fighting, Manhole cleaning and for defence are also available. The company is a proud 100% Indian Robotic manufacturing company.*



**Dr. Neelima Mishra**  
(CEO, Club First Robotics Pvt. Ltd)

**XENA™ & KRUSHNA™ UGV**

**WINNER: ‘FIST WARDS’**  
For Innovation in Fire & Safety

**‘READY HO’AWARD**  
For COVID-19 READY

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## Vision & Mission

# XENA™ & KRUSHNA™ UGV

## Vision

*Our Vision to see the INDIAN robotics as a leading supplier of robots in multiple area of applications. In the same goal Club First wants to become the biggest robotics products manufacturer and innovator in the world.*

*With the vision to stand up along with INDIAN ROBOTICS role in each sector.*



## Mission

*Club First aims to stand with large customer support with large dealer network across the world.*

*Club First aims to produce multiple products with easy to replace spares with multiple modules.*

*Club First aims to produce multiple segment of robots with industrial & domestic applications.*

*Club First aims to keep minimum product cost with multi functional utility.*

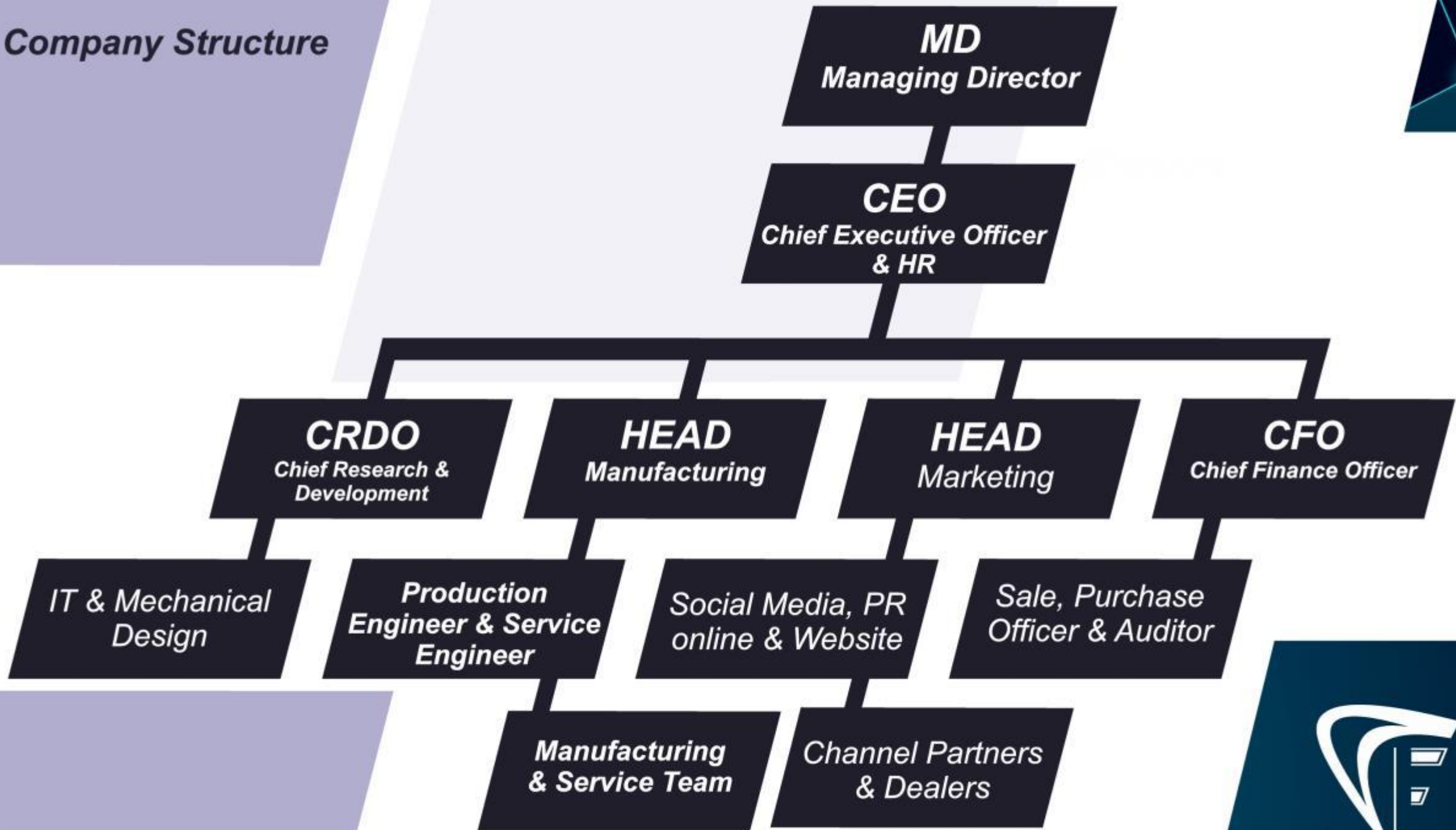
**WE  
MAKE FOR  
CLASS**



**CLUB FIRST**

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# Company Structure



**Company Infrastructure**

**Corporate Office  
In Heart Of City**

**Marketing Team  
Table Talk**

**8000 Sq. Feet  
Area**

**Dedicated  
R & D  
Section**

**In house  
Product  
Prototyping  
Designing**

**Manufacturing  
Unit**

**Rural  
Industrial  
Area**

**1 GBPS  
Internet  
Line**

**Wealth  
Productions**

**5Cr Per  
Month**

**85 % In house  
Manufacturing**

**65% Autonomous  
&  
75 % Solar Power Unit**



**CLUB FIRST**

# DAGGER UGV

- Fully Autonomous & Remote-Controlled Unmanned Ground Vehicle
- Designed for Defense, Tactical, and High-Risk Operations
- Capable of operating in GPS-denied & hostile environments
- Modular platform – adaptable for multiple mission roles
- Supports Weaponized RCWS integration (LMG, MMG, ATGM, non-lethal options)
- Rugged all-terrain mobility for desert, urban, and rough terrain
- Day/Night surveillance with thermal & optical payload support
- AI-assisted navigation & obstacle avoidance
- Secure encrypted communication link
- Reduces human risk in combat, reconnaissance, and border security missions
- Make in India defense robotics solution



**XENA**<sup>TM</sup>  
INDUSTRIAL ROBOTS

  
**CLUB FIRST**

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# Dagger UGV



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# XENA™ & KRUSHNA™ UGV

Krushna & Xena is indigenous designed Unmanned Ground Vehicles (UGVs) have numerous applications in defense, enhancing operational capabilities while reducing risk to human soldiers. Here are some key applications.

- Surveillance and Reconnaissance
- Explosive Ordnance Disposal (EOD)
- Logistics and Supply
- Combat Support
- Search and Rescue
- Route Clearance
- Chemical, Biological, Radiological, and Nuclear (CBRN) Defense
- Training and Simulation

These applications highlight the versatility and importance of UGVs in modern defense strategies, offering enhanced operational capabilities and improved safety for military personnel.



**XENA™**  
INDUSTRIAL ROBOTS

  
**CLUB FIRST**

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USP

## MAKE IN INDIA XENA™

- Designed for Defense
- Most powerful and compact
- Most rugged and robust
- **Make in India** with full control system and controllers
- Short turning and easy to control straight line & angular 360 gyro
- Individual differential gear for each drive
- Straight line and angular following algorithm
- Automatic fire point detection & alarming
- Water & Foam fire fighting monitor
- PTZ Thermal remote controlled Camera
- Any one can operate our robot in one minute of training



**XENA™**  
INDUSTRIAL ROBOTS

  
**CLUB FIRST**

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# ATV Chassis



- XENA™ 5.0 World's Most Compact ATV Robot  
LXWXH 1280 X 890 X 1250
- World's Most Power full ATV For Defense  
Payload Up to 560 Kg & Drag Up TO 10 Ton of vehicle
- True ATV 45° Slope, Up to 30 Cm of Stage
- Single Board Control System, Make In India
- Iron Core rubber track, most rugged & robust
- Patented technology in Differential drive
- Temperature range up to 500°



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# USP Robot Chassis

MAKE IN INDIA

- Most powerful and compact designed for Defense
- Adaptive Braking Technology
- 1000 Kg Payload
- 10 Ton Vehicle and 100 M two Charged hose dragging capacity
- Iron Core rubber track 25MM thick
- 5-6 Hr Endurance 48V/ 65AH Dual Battery
- Short turning and easy to control
- Individual differential gear for each drive BLDC Motor
- Gyro based Straight line and angular following algorithm
- AI Object Tracking engagement with PTZ followed up , fire point detection
- Dual camera front and main PTZ thermal & optical camera.



 **Krushna**

  
**CLUB FIRST**

# USP

# MAKE IN INDIA

- Robot chassis is Designed for Defense
- Most powerful and compact
- Most rugged and robust
- **Make in India** with full control system and controllers
- Short turning and easy to control straight line & angular 360 gyro
- Individual differential gear for each drive with additional latch gear to power up drive system
- Automatic fire point detection & alarming
- Water & Foam fire fighting monitor
- PTZ Thermal remote controlled Camera
- **Any one can operate our robot in one minute of training**



**K**ru shna



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# Tactical Combat Operations

MAKE IN INDIA

*Ordinance & Aircraft Fire Fighting  
Front line Defense and Security  
Bomb Squad explosion & hazard  
Logistic Support at high Altitude and Negative Temperature  
Surveillance  
House Clearing Drill*



**K**rushna



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# Rubber Track & Sustainability



## RUBBER TRACK

<b>Material</b>	<i>Iron core meshed synthetic rubber polymer</i>
<b>Width of track</b>	<i>180 MM</i>
<b>Thickness</b>	<i>35 MM</i>
<b>Cast Iron Core</b>	<i>25 MM</i>
<b>Circumference</b>	<i>3500MM</i>
<b>Temperature</b>	<i>500 degree with water curtain up to 4 Hours</i>
<b>Suspension</b>	<i>Suspensions Provided, with integrated bearing frame</i>
<b>Carrying Capacity</b>	<i>10 Ton vehicle in neutral gear position, 100M Charged hose pipe (2 Numbers @ pressure of 7KGCM2)</i>
<b>Load Capacity</b>	<i>1000 Kg</i>
<b>Stairs climbing capacity</b>	<i>25Cm vertical height at 40Degree Angle</i>
<b>Towing Hook</b>	<i>Provided</i>
<b>Start Mechanism</b>	<i>Provided with manual switch</i>
<b>Steering of the unit</b>	<i>SKID STEER (Gyro Based on axis 360°Rotation)</i>
<b>Drive Controller MAKE (CLUB FIRST)</b>	<i>Integrated single drive controller for BLDC MOTORS, WATER MONITOR, CAMERA, CAMERA PTZ, LIGHTS, SIREN, CHARGING.</i>



# Krushna



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# Experience

# Fire fighting Robot

<i>Delhi Fire Service</i>	<i>18 Unit</i>
<i>Odisha Fire Service</i>	<i>24 UNIT</i>
<i>Ahmedabad Municipal Corporation</i>	<i>2 Unit</i>
<i>Vadodara Municipal Corporation</i>	<i>1 Unit</i>
<i>Surat Municipal Corporation</i>	<i>2 Unit</i>



**K**ru shna



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# Utilization

## Fire fighting Robot

- Gazipur delhi: utilise at at delhi's ghazipur landfill site fire on 12 june 2023
- Massive fire breaks out at shoe factory in delhi's peeragarhi & fire fighting done by mini robot on 12 oct 2023
- Rohani delhi: old go down fire where old shelter collapsed and fire fighting done by XENA™ 5.0 robot
- G20: Mini robots at G-20 venue: Delhi fire dept. Keeps preparation for safety.
- VADODRA Oil massive fire







GUJARAT CSR AUTHORITY  
An Initiative by Government of Gujarat



IndianOil



Swachh Parivesh



LARSEN & TOUBRO  
It's all about Imagination



The Engineer's Choice



Club First  
Clients



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# Our Recognizations



GUJARAT CSR AUTHORITY  
An Initiative by Government of Gujarat



सत्यमेव जयते  
Department of Industrial Policy and Promotion  
Ministry of Commerce and Industry  
Government of India



Available on:



GeM  
Government  
e Marketplace



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302022 ,(INDIA)

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[www.clubfirstrobotics.com](http://www.clubfirstrobotics.com)

Phone: +91 9928144559 ,(INDIA)



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