

MKAI SOLUTIONS
Pvt. Ltd.

SMART PARK PROJECT

📍 22/B, 3rd Floor, Old Rajendra Nagar, New Delhi - 110060
☎ (+91) 9560082909

SMART PARK PROJECT

By MKAI Solutions Pvt. Ltd.

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FROM THE DESK OF CMD



“Public parks have been a central facet of urban life and continue to be integral to cities” But today parks face challenges ranging from underutilization by the public to diminishing resources, such as funding for upgradation and maintenance. There is an opportunity, however, for urban local governments to address these challenges by “riding on tide of 4th Industrial Revolution using Artificial Intelligence and Internet of Things”.

Successful public places around the world are successful not just because of the design but also because of the management. That’s not just about cutting the grass and picking up the garbage but about involving the community in the parks. Drawing visitors to parks and justifying municipal body’s spending are two challenges facing public parks across the country. We need to think of parks more as **outdoor community centres** where we need to invest in uses and activities so they can fulfil their potential. *“Upgrading parks into **SMART Parks**, will improve the quality of life for citizens”.*

A particular **Theme based upgradation, Internet of Things (IoT)** and connected technologies can equip public parks with the tools for combating above challenges while increasing community health and cutting operational costs. Smart technology solutions allows parks to *“connect with today’s Tech-focused generation”*. Wi-Fi Connectivity, Digital Screen, Open Community Library, and other smart solutions in a SMART Park can provide an incentive for connected individuals to step outside their homes and bask in the glory of nature!

A handwritten signature in blue ink, reading 'MK YADAV'.

CMD
MKAI Solutions Pvt. Ltd.

PROJECT DEFINITION

“SMART Park” is a new concept defined as a park that uses technology (digital, environmental, and materials) to achieve a series of values: equitable access, community fit, enhanced health, safety, resilience, water and energy efficiency, and effective operations and maintenance.

“SMART Parks fit well in their socio - physical surroundings, are easily accessible, resilient to climate change, water - and energy - efficient, easy to maintain, and help promote the health and safety of communities”. Technological innovation in a SMART Park can improve park performance and reduce long - term costs.

MKAISolutions’ SMART Park concept envisions Public Park as a particular **THEME Park** with an integration of Smart Components. Themes can be based on the socio-cultural surroundings of the park and aspirations of local people like Village Theme, Children Theme, and Adventure Theme etc. Smart Components like Wi-Fi Connectivity, Smart Lighting System, and Indoor Sports Zone etc. will focus on increasing the public usage of parks and making our parks an exciting place to spend leisure time for local citizens.

PROJECT CONCEPT AND SCOPE

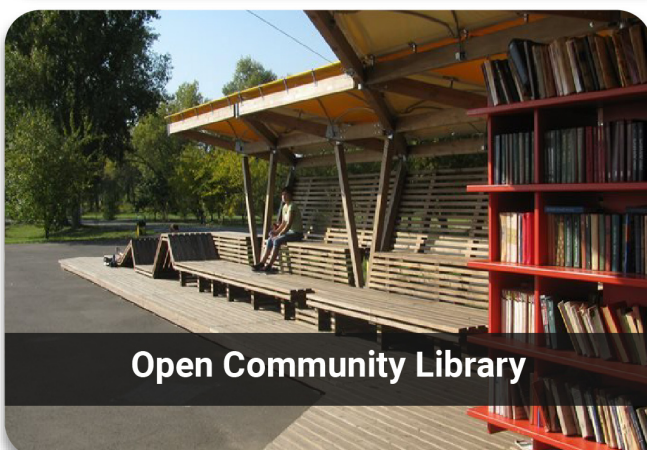
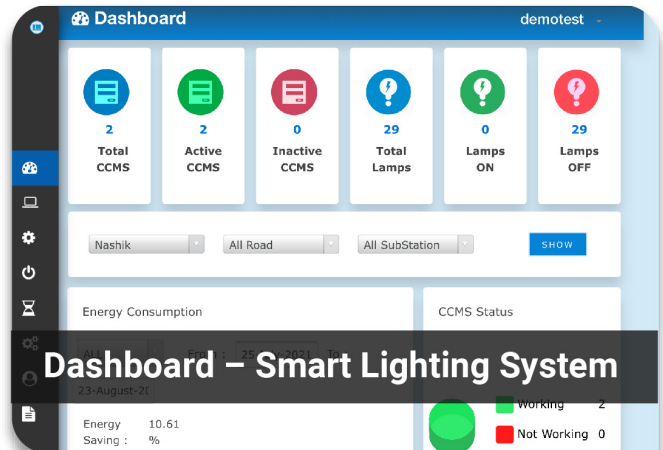
Theme based SMART Park aims to provide various benefits to the citizens like Wi-Fi Connectivity, Smart Lighting System enhancing safety and security, Scientific Irrigation System conserving water resources, Open Gyms for Citizens, Smart Dustbins preventing garbage overflow, Digital Screen for graphic presentation for youths, Yoga areas for all citizens, Indoor Sports Zone available to spend some quality time during evening and Watch Tower to visualise the surrounding beauty of parks.

SMART Park project is an upgradation of an existing traditional park into a THEME SMART Park using IoT and other smart solutions (Smart Lighting System, Smart Dustbins etc.) It aims to provide **end-to-end solutions** as the smart components mentioned in our solutions.

OUR SMART SOLUTION

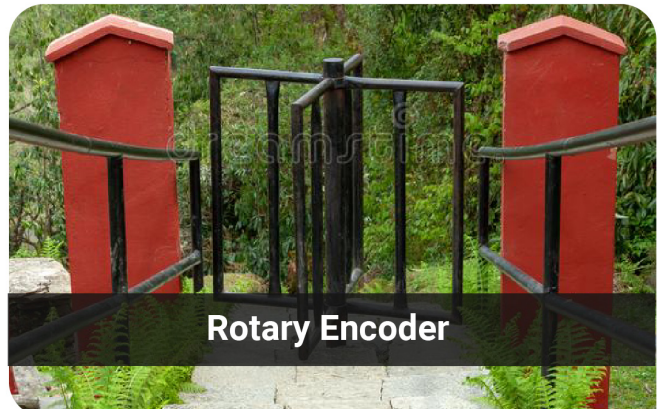
Our SMART Park solution entails THEME parks as discussed above with integration of following SMART Components -

SMART Components

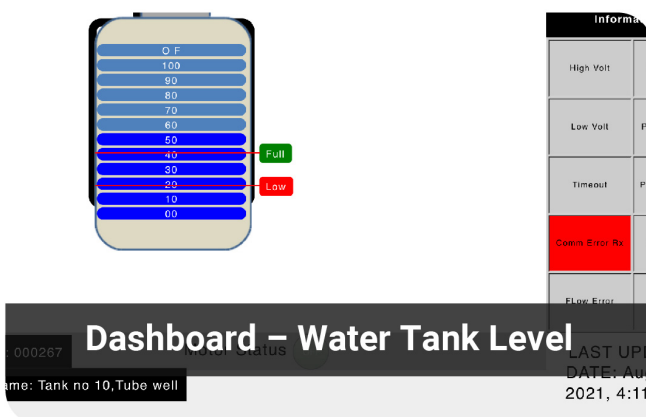




Toilet Gate Automation



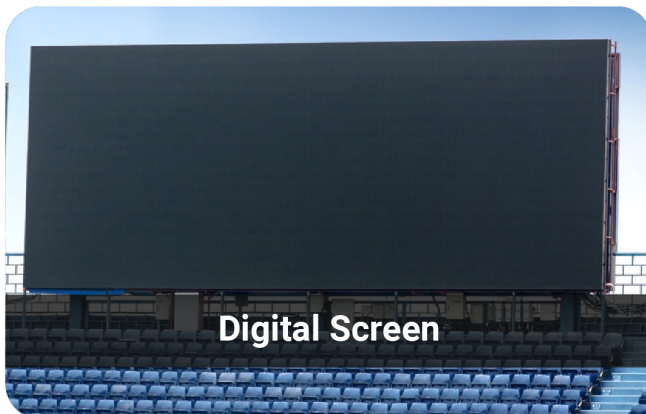
Rotary Encoder



Dashboard – Water Tank Level



Solar Canopy



Digital Screen



Automatic Drip Irrigation



Smart Dustbin



Smart Digital Kiosk

HEALTH AND FITNESS CORNER



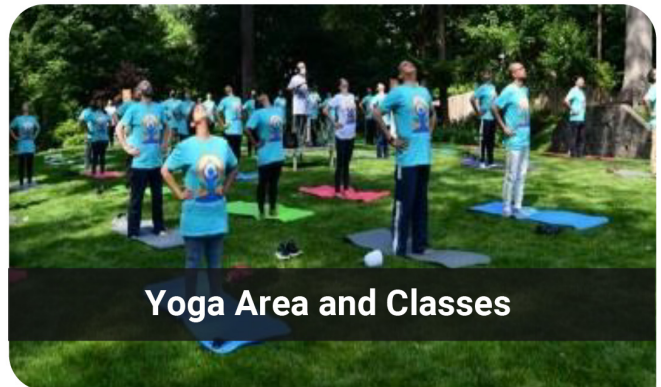
Jogging Track



Futsal Ground



Musical Corner



Yoga Area and Classes



Open Air Gym



Badminton Court



Medicinal and Aromatic Plants

DIFFERENT THEMES FOR SMART PARK

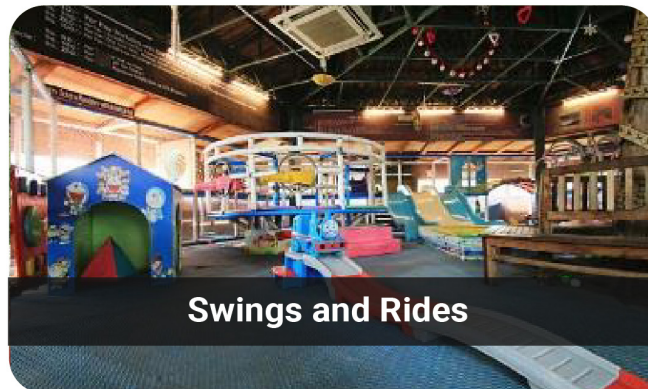
1. Rural Theme Park



2. Children Theme Park



Toy Train



Swings and Rides



Outdoor Physical Activities



Rope Climbers



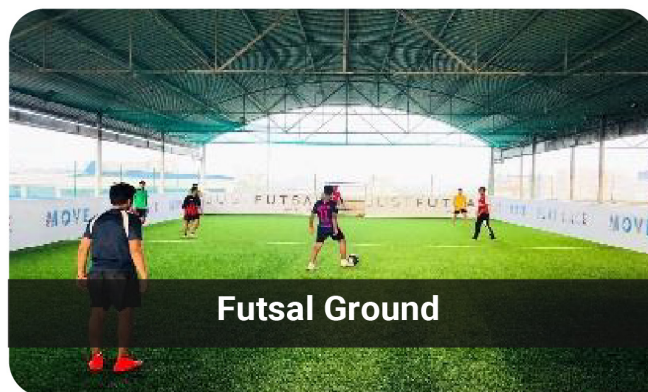
Soft Play Area for Small Kids



Balloon Toys



Cycling Track



Futsal Ground

3. Adventure Theme Park



Tree Top Course



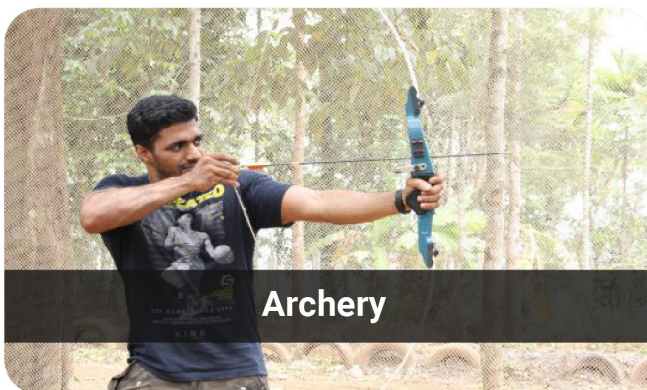
Hanging Pathway



Bungee jumping



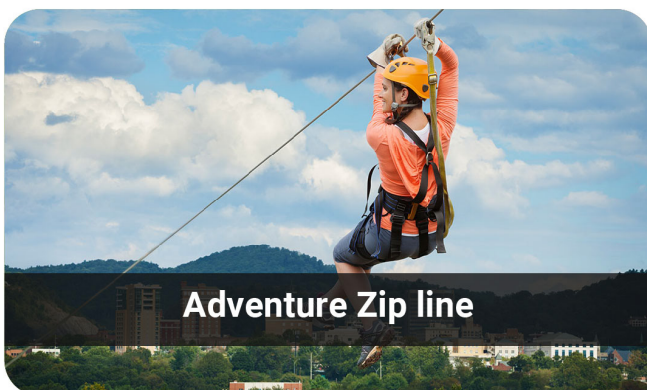
Wall Climbing



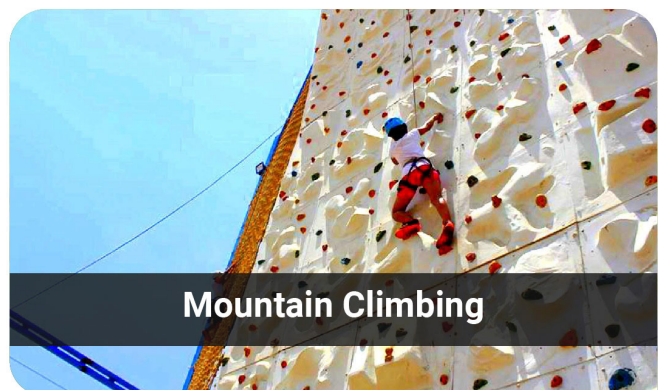
Archery



Catapult

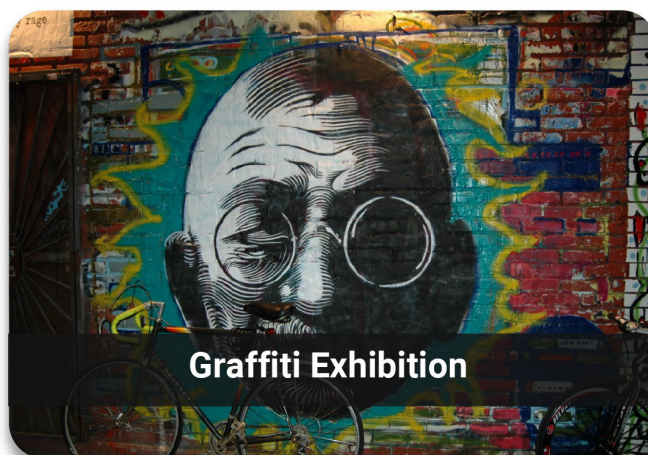
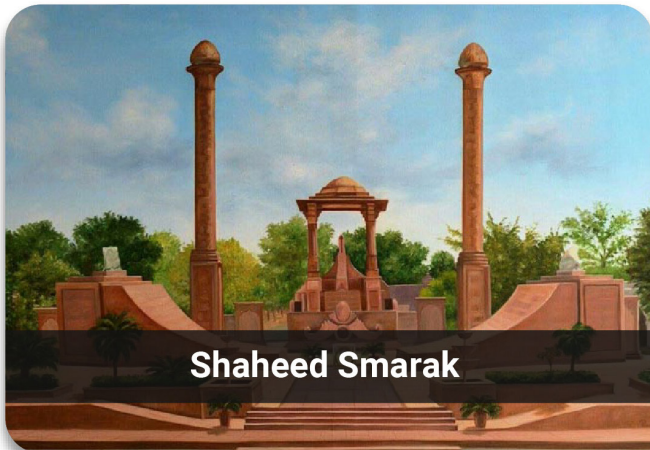


Adventure Zip line



Mountain Climbing

4. Shaheedi Park



5. Bamboo Theme Park



Bamboo Play Area



Bamboo Huts



Bamboo Bridge



Bamboo Gallery



Bamboo Selfie Points



Bamboo Slides



Bamboo Plantations



Bamboo Walkway

6. Sugamya Park for Differently-Abled People



Soft Synthetic Ground



Swings with Safety Features



Special Art and Craft Room



Wall Paintings for Visually Challenged



Musical Room



Wheelchair Basketball

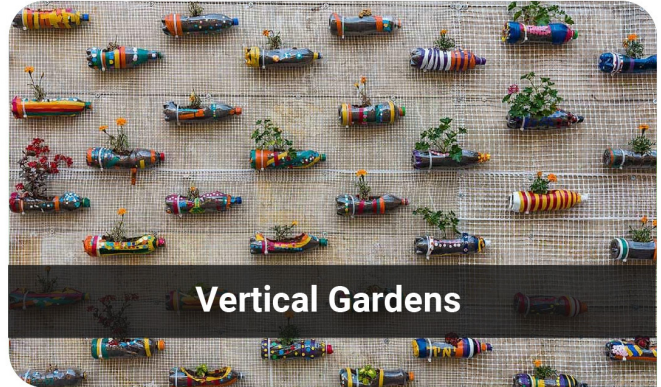


Wheelchair Accessible MGR

7. Waste to Wonder Park



Recycling of Waste Products



Vertical Gardens



SELFIE POINTS AS ECO-WARRIOR AND WASTE-WARRIOR



Plastic Recycling



Scientific Waste Segregation

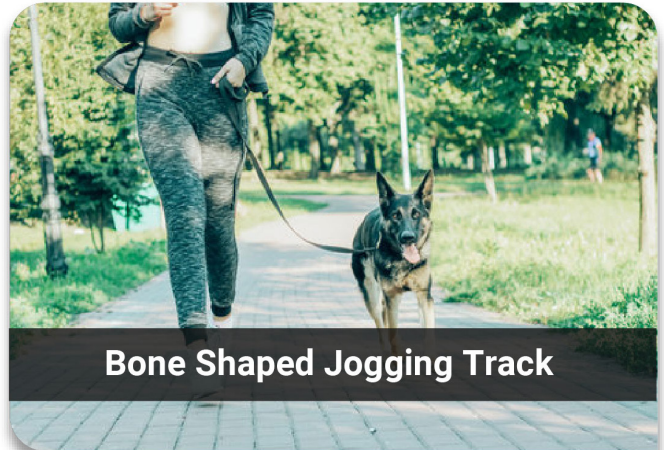


Waste to Wonder Artefact

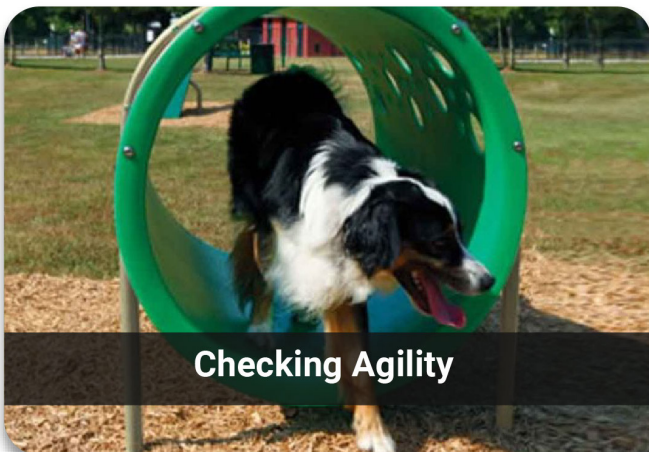
8. Pet Theme Park



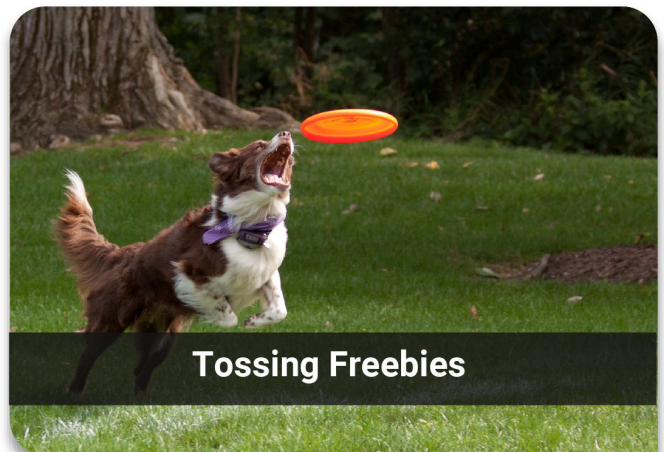
Dog Theme



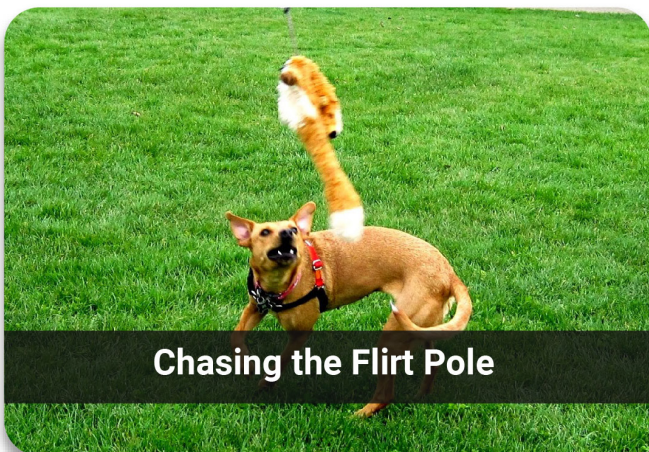
Bone Shaped Jogging Track



Checking Agility



Tossing Freebies



Chasing the Flirt Pole



Socialisation of Dog Lovers



“A Blend of
NATURE

INNOVATION

& COMMUNITY!”

— **FOR** —

SMART PARK SOLUTIONS

CONTACT

3rd Floor, Plot No. 22B, Bazar Marg
Old Rajinder Nagar, Delhi-60

M.: +91 95600-82909