**Our Mission and Goals**

To create a network of strong connectivity, smart planning initiatives, and a sustainable environment for current and new generations of Nolanville in order to provide the future, for today.

- Provide Nolanville with smart technology that is appropriate for the city’s needs
- Create a space that invites local business and economic advancement
- Plan for smart and human scaled interaction
- Ensure that ecological areas are enhanced and that natural resources are used whenever possible

**What Is A Smart City?**

- A city that uses technology to its advantage
- A city that plans for the future
- A city that initiates change for the best quality of life for its residents
- A city that prioritizes the health of its economy and its citizens
Why SMART Nolanville?
Nolanville has a unique opportunity to become the first small town to embody smart initiatives that can potentially become a leader in smart city development. Nolanville is at the proper age to explore these technologies and plans because it has the potential for growth in more ways than a typical town.

Technology For Nolanville

Present Technology
- Touch Screen Kiosks
- Smart Recepticles
- Solar Panels
- Charging Stations
- Outlet Benches
- Low Impact Development

In 10 Years
- Automated Delivery
- Medical 3D Printing
- Common VR Use
- Realistic Prosthetic
- Automated Trucks
- Robotic Entertainment

In 20 Years
- Autonomous Vehicles
- Wireless World
- Bio Enhancement

In 50 Years
- Smart Planning
- Connectivity
- Ecological Resources
AUTONOMOUS VEHICLES
- Design for the future of autonomous
- Develop a system to accommodate to the overall wellness of the community

SECURITY
- Data from sensors help create a safer community
- Better transportation means safer roads

SMART TECHNOLOGIES
- Develop a center for growth of technology
- Implement tech to help the local economy

SUSTAINABILITY
- Form a plan to mitigate damage from development
- Integrate a network of green energy to power future development
- Developing a smarter transportation model for the future of Nolanville.

- Creating a prosperous community that pushes the boundaries of technology and community design.
“Living to Learn” is proposed to be used as a living lab to experiment and co-create. Experiment current and new technologies, as well as, a learning environment for the young and old. Finding smart ways for a sustainable environment, using the natural resources and the everyday activities to help this site being able to maintain itself.

For this proposed area, three areas of study are identifying, social, natural resources and technology.

1. - Entrances
2. - Solar Panels Park
3. - Experience Route
4. - Energy Play
5. - Amphitheater
6. - Water Energizer
7. - Open Exploration
8. - Crops Garden
9. - Wooden Trails
10. - Vertical-Axis Turbines
11. - Green Roof
12. - Walkway
13. - Program Pavilion
14. - Learning Plaza
15. - Parking Lot

**Legend**

- **A Different Walway**
  - Collects energy from the sun and turn light on when you walk on it
- **Complete Streets**
  - Bike/Pedestrian/Cars
- **Shaded Sitting**
  - For commodity and promote interaction
- **About**
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  - The social area can study the human interaction and learning patterns. The natural resources will be everywhere in the open area with different mechanisms to generate energy, get clean water, have recreational purposes, learn and interact with agriculture and shelter. Last but not least, technology, current and emerging technology can be found in the building and the pavilion. Having a sustainable space require smart solutions. Taking advantage of the nature light and wind can generate a lot of energy for the lighting in the green space as well as for the building. Smart ways to collect, filter and use rain water is ideal for irrigation and toilette water use.
  - A community garden is a smart way to educate the residents and visitors about the easy ways to grow their own crops and experiment to create new fruits and veggies.

**About**

- **Living to Learn**
  - Presented By: Veronica Luna

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A Complete Community Means...

A smart community means a walkable, healthy, and inviting place to live. Although technology is an essential element to smart communities, knowing how to integrate that technology in a small town atmosphere is key to understanding Nolanville. A smart community for Nolanville means to fuse a small town atmosphere with the future of city planning. This can be done using initiatives that ensure Nolanville’s success and identity.

Smart Initiatives

- Low Impact Development strategies: rain gardens, green roofs, bioswales, rain barrels and rain water capture.
- Smart Tiny Home Community: Provides a space that is efficient for multiple family sizes. It shows how a community can be walkable and easily planned out for everything necessary for everyday living.
- Complete Community: Everything necessary for daily life is within walking distance. Examples: Grocery store, business, post office, health clinic, hair salon, dentist, etc.
- Smart Technology: Smart street lamps, traffic crossings, speed bumps, solar parking, solar paneled roofing, permeable pavement, wifi hot spots, recycling containers, touch screen kiosks, etc.

Smart Planning

A smart plan for a city uses sustainable materials, healthy activities, and implements smart advancements that drive the community forward. Planning a smart community for Nolanville means to design for a human scale, while still being aware of drivers and autonomous vehicles.