

## **List of Requirements**

### **A. DarkSky/IES**

- A.1. Sky quality index of the highly affected cities.
- A.2. Details for existing programs in those major cities.
- A.3. Information and guidelines on light establishing practices.
- A.4. Existing models for the outdoor/street lighting.
- A.5. Identify policies and standards of light illumination.

### **B. Volunteer**

- B.1. Select the name of the non-profit organization
- B.2. Defining the Non-profit Organization
- B.3. Identify Objectives
- B.4. Identifying Risks
- B.5. Creating and Rehearsing Project Presentation
- B.6. Schedule follow-up & brainstorming meetings
- B.7. Create 12 Project Management documents
- B.8. Conducting surveys
- B.9. Identifying Pre-existing & in-process laws
- B.10. Finding a place
- B.11. Identifying Competitors
- B.12. Get Funding from Angel Investors.
- B.13. Spread awareness among the public about light pollution
- B.14. Promote eco-friendly lights to the public
- B.15. Organizing campaigns, seminars, community engagement events
- B.16. Creating general Brochures about light pollution (describing light pollution, disadvantages, preventions, and after-effects)
- B.17. Finding suppliers and retailers that manufacture eco-friendly lights.

B.18. Recommend NYCDOT to create environment friendly outdoor lighting plans

B.19. Recommend NYC DOT for considering the installation of LED lighting systems.

B. 20. Hire a volunteer team for analyzing survey feedback.

**C. Angel Investors**

C.1. Sponsorship from Angel Investors to run the campaign.

C.2. Present a 100% detailed project plan.

C.3. Angel investors aim to get 100% ROI in the form of community service

C.4. Provide information on safety protocols and permissions obtained for the campaign to be eligible for grants.

**D. Public**

D.1. Ask them to inspect their property for inefficient, poorly installed, and unnecessary outdoor lighting

D.2. Inform about the consequences of normal lights on human beings, animals & plants with scientifically researched data and facts

D.3. Provide samples of eco-friendly lights.

D.4. Convince them to switch to eco-friendly lights.

D.5. Provide suppliers/distributors details who supply eco-friendly lights.

**E. Eco-friendly Light supplier**

E.1. Sell eco-friendly lights to the public

E.2. Provide volunteers with samples of eco-friendly lights

E.3. Securing Partnership with the organization

**F. NYC Dot/NYC Dec/ NYC Dep**

F.1. Create environment friendly outdoor lighting plans.

F.2. Create useful model lighting guidelines and policies.

F.3. Provide the organization with the necessary legal information and insights.

F.4. Contribute to awareness campaigns and promote the organization's mission

F.5. Offer several innovations to outdoor lighting regulation that comply with the green grade lighting standards.

## **G. PETA**

G.1. Provide proof and evidence to support the organization's claim of animals getting affected by light pollution.

G.2. Detailed information about the adverse effect of light pollution on animals

G.3. Identify places that replicate the natural habitat of animals and are not affected by adverse light conditions.

G.4. Gather information on how to aid the problems of animals & fishes affected by the light pollution

G.5. Provide the organization with the necessary legal information and insights

G.6. Contribute to awareness campaigns and promote the organization's mission

## **H. New York Health Department**

H.1. Provide proof and evidence to support the organization's claim about adverse effects on humans from light pollution.

H.2. Outline steps to prevent health issues caused by artificial lighting

H.3. Contribute to awareness campaigns and promote the organization's mission

## **I. Professors**

I.1. List of Requirements for the project.

I.2. Assign team to develop a project plan for a non-profit organization by April 27, 2022

I.3. Assign team to select non-profit organizations which will provide a real impact on society within the major non-profit categories

I.4. Select a non-profit organization that will have a specific form like 1) Charity, 2) Foundation, 3) Social Welfare or Advocacy Organization, 4) Professional/Trade Association or 4) Religious Organization

I.5. Develop a project plan to support the team's effort to look for funding to support the creation of that organization.

I.6. Create 13 Project Management documents.

I.7. Discuss documents with professors and ask for feedbacks

I.8. Verify the documents

I.9. Create a presentation and present it on 27th April 2022

I.10. Rehearse the presentation before the finals

I.11. Change-request: create milestones in the project schedule.

**J. Competitors**

J.1. Future collaboration should be considered in order to get bigger audience and to reach goals