Name _Tejas Kamtam

Major _Computer Science

Team Project Preferences

Please list your preferences for the team projects, listing 1 as the most preferable and 5 as the least preferable. A brief description of each topic is listed on the reverse of this sheet. Please **spell out** your response.

1. ____Drones for Package Delivery_____

2. ____An Electrified Economy_____

3. _____Building Fire Resistant Communities_____

4. _____Disposal of Electronic Waste_____

5. _____Errors in Medicine_____

Some personal data:

1. The number of years that you have been at UCLA: __3.

2. If you transferred to UCLA, from whence did you come?   _____n/a_____

3. On a scale of 1-5 (1 = weak and 5 = outstanding), how would you rate   _____4___
 your writing skills?   On what do you base this assessment?

Performance on previous writing assignments in UCLA classes: Environmental Literature, Neoliberalism, and Astrobiology

4. On a scale of 1-5 (1 = weak and 5 = outstanding), how would you rate   _____4____
your speaking (oral presentation skills?   On what do you base this assessment?

Light experience in giving lectures, speeches, panels, and presentations in classes and AI Safety events (conferences, workshops, fellowships, socials).

5. What experiences have you had working on a team or a team project?   Were you
ever a leader?   (This can include work, Scouting, sports, music, etc.)

I've been a/the leader quite a few projects and presentations in classes and at workshops.

6. Is there one person you would like to work with in this section?   (Fill out in discussion section):
_____Chris Milan/Govind Pimpale_____

Errors in Medicine – the National Academies have estimated that there are potentially 50,000 deaths per year based on some sort of medical error – in either diagnosis or treatment. How could this number be reduced? Could automation and perhaps AI play a role?

Disposal of Electronic Waste – The disposal of electronic waste – especially computer-related equipment – is creating environmental issues throughout the world. What are the options for disposal currently – and what should be disposal options to assure environmental protection?

An Electrified Economy - Can the national goal of electrifying the economy (electric cars, reduction of fossil fuel use, etc.) be achieved? California's experience last summer (a near miss with an emergency text message asking for electricity use reduction), as well as questionable results in electric cars during this winter's blizzards, would seem to question how far and how fast we should approach an all-electric economy. In particular, the lack of charging stations (in spite of the President's plans to the contrary) raises questions about how quickly we can roll out electrified transportation.

Confined Animal Feeding Operations – In many areas of the United States, Confined Animal Feeding Operations (CAFOs) house thousands of animals under one roof. While economically attractive, there are serious environmental implications during normal and abnormal operations, negative effects on animal health, etc. For example, eggs in the United States have recently cost $10-12 per dozen, largely with 80,000 hens, one case of avian flu means the entire flock must be destroyed. What are the realities of CAFOs and should they be more tightly regulated?

Weaponizing Social Media - It is clear that trolls and bots have and continue to be used to influence public opinion, especially in the political arena. What can be done by the social media platforms to identify and restrict information of this sort?

Drones for Package Delivery – Can drones be used productively as delivery vehicles for commercial products? Amazon is examining their use, and drones are currently in use in rural portions of China. There are air traffic control problems especially in congested urban airscapes, and some have raised issues of privacy. Is society in that much of a hurry?

Building Fire-Resistant Communities – The recent fires in both Northern and Southern California have again brought us to the realization that many of our communities are built on the interface between forest and urbanization. How can communities become fire resistant, especially as some of these communities (e.g. Malibu, Paradise, Santa Rosa) begin the task of rebuilding.

Flooding in California – The recent floods throughout much of California, (and the floods to come once the snow starts melting) shows that infrastructure to control flooding is really wanting throughout much of the State. What effects is climate change having throughout the State – with special emphasis on flooding – and what needs to be done?