SICT 2023-2024 - Lab // Problems

(updated to v1.1 Apr 2nd, 2024).

**For Startup in ICT 2023-2024 these are the problems that you may be working on with your simulated startup.**

**Browse the list and pick up the ones that you like most.**

**On Wednesday April 3rd we will do the problem selection that will work like this: each student has 5 “preference tokens” with the following value:**

* **1 token of 5 points**
* **1 token of 4 points**
* **1 token of 3 points**
* **1 token of 2 points**
* **1 token of 1 point.**

**Each one of you may assign tokens in the way she/he wants (ie all tokens on the same problem or split tokens among different problems). At the end we will sort problems and teams that received more points, so you will probably be in the team of your preferred problem with the others that chose the same one.**

**Each team may have 2-4 people – with a high preference for 3.**

Problems

1. For exchange students, transportation in Italy is a problem with "activating" tickets. Dealing with tickets is cumbersome and overly complicated.

2. Cinemas // a way to deal with subtitles and different languages (Dune 2 example, where the alien language was subtitled in Italian).

3. Exploiting underdeveloped countries ie for coffee beans - most of the beans do not come from ethical & sustainable sources and this should be known by the consumers. Same about Chocolate. Consumers should know how beans were obtained and also the carbon footprint.

4. City lights in some towns are scarce and they may make you feel unsecure.

5. Quality of frozen foods for quick consumption.

6. Scarcity of trashcans and the fact some sides of town are dirty with animal litter.

7. There is a huge problem with security of Social Network (in a Safety meaning, like preventing cyberbullying, suicidal tendencies, etc.).

8. Lack of Data for training in medical fields (privacy issues) which, in turn, brings to doctors which may make errors during the first years of activities.

9. Depression: people suffering from depression syndromes often go through difficult moments and they need help to get past them.

10. Traffic jams in peak hours.

11. Procrastination as a general approach to life - resolving this would greatly enhance everybody’s life.

12. Perception that the government should be more aware of the real problems in society in order to resolve the ones which are really impacting citizens.

13. Bureaucracy is a big problem and there are times that even simple paperwork takes long times.

14. Drivers that need to wait at the red traffic light when there is nobody going in the other direction.

15. It’s very cumbersome to take an appointment with a doctor, especially if you don't speak Italian. Systems are not "grouped" and one has to check on every region / every ULSS to find a doctor.

16. Old people or weak people when they are ill and need a doctor visit don't want to leave their house. Calling the ambulance may be a burden.

17. People unsatisfied with their current employment.

18. Difficulty in finding and storing / retrieving personal digital documents - very cumbersome and overly complicated.

19. Considerable waste of usable agricultural products which are not perfect, especially during harvest and in companies working for the GDO.

20. We consume too much fashion items and we don't repair it anymore. Too much choice and availability. Materials used are artificial.

21. In general people feel less and less secure in cities when they are alone.

22. Digital inheritance - when you die where do all of your digital belongings go? Steam accounts, etc.

23. The loss of jobs due to AI and Robotics.

24. Sustainability and traceability of technology products.

25. Psychological outcome of using social media.

26. Today we have a lot of information which is often so much and so scattered that you cannot come up with a nice and simple solution. On Reddit and other platforms same questions get answered on and on again.

27. There is a lot of fake information and pseudoscience on the internet and just "finding" information is not sufficient anymore.

28. House rents for students are too expensive / students face noticeable costs for their staying in Padova - making it often required to find partial small jobs etc.

29. <10um particulate problem, especially in the Padana Valley.

30. Self confidence is a problem, especially in modern generations.

31. Bike Stealing in Padova.

32. Security in private transportation / taxis / uber.

33. Finding parking spots in cities.

34. Lack of place where to consume your own food in some of the departments.

35. Phone addiction and the short attention span they create.

36. Restaurants may have reviews but single dishes do not.

37. Getting a driver license in Italy for foreign students is a problem because the exam texts are only in Italian.

38. Lack of self-knowledge which brings, in turn, aspiration to known persons (like Elon Musk) not considering your real personal aspirations.

39. Fact-checking on what people say/shouts on the internet (influencers...).

40. Planning your own trip or vacation is time consuming and difficult.

41. Nutrition is paramount and there is a plethora of products and it's very difficult to find your bearings - we should have a simple, clear way to understand what we buy/consume.

42. Finding people to do group trips.

43. Plastic wrapping and packaging - huge problem with plastic waste.

44. Risk of being killed on the crosswalks/path walks. Being a pedestrian is dangerous.

45. Public offices in Italy do not speak fluent English.

46. Public transportation in night is bad.

47. Most office workers today sit - which brings your long-term physical problems. It is also a cultural western country problem.

48. Moving to a different city or area may bring depression or anxiety problems. Very stressful.

49. Problems with roadworks / construction / noisy equipment.

50. Train brakes are very noisy.

51. Public toilets are very scarce and of very low quality.

52. When paying in cash there is the problem of the change.

53. Knowing the exact stops of public transports when you're in a different country or town is problem.

54. Light pollution in big cities.

55. Water pollution (beaches).

56. Lost & Found - most people lose their belongings or small objects or leave stuff around.

57. Drinking water quality from the city distribution, how good is it when it comes out of your tap?

58. Car tires are one of the biggest sources of plastic /microplastic pollution.

59. People having cats and willing the leave them independently going out/in from 1st/2nd floor.

60. Some way to keep cats from going around and getting killed by car.

61. There are no healthy alternatives at the vending machines in the university (but i think it's true for most workplaces), i would like to find stuff like: fruits, whole grain bread, yogurt, instead of snack bars. Of course one can go to the supermarket but most people often don't have time / cannot not leave the building at work.

62. Unexperienced people that work out at the gym risk doing wrong movements and injuring themselves, accumulating asymmetries etc.

63. We waste a lot of water to have it hot: we have to let it run while: A. the boiler heats up; B. the cold one flows out of the pipe.

64. At the university there are no places to meet for a study group or a university team. Maybe 2-3 people but not more. It's really detrimental for team building and to study together which is an important thing.