MANAV RACHNA UNIVERSITY

Department of CST

(Green Computing – CSH325B-T & P)

**(Assignment 2)**

**Learning Outcomes:** Calculate Carbon Footprints

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| **Course Outcome** | **Bloom’s Taxonomy** | **Program Outcome** |
| **CO1** | **BT1, BT2, BT3** | **PO1, 2, 7, 8** |

Q1. What are the steps you will follow to calculate the carbon footprint of an organization? Explain with an example.

Q2. The following is a questionnaire which is to be answered on the basis of scores as assigned.

**SCORE for each answer:**

Yes = 2

Partially, presently discussing this = 1

No = 0

**Questionnaire on “HOW GREEN IS YOUR COLLEGE”?**

1. Does your college have a *recycling programme for its* waste paper, cardboard, cans and bottles?

2. Does the college have a *policy to use recycled paper?*

3. Does your college seek to avoid the use of disposable paper, plastic, foam cups and plates?

4. Has the college eliminated the use of aerosol sprays and fire extinguishers that contain CFCs?

5. Does the college have an active policy and strategy to reduce its water consumption?

6. Does the college use environmentally-friendly cleaning liquids?

7. Does the college avoid the use of garden and household pesticides, using environmentally-friendly alternatives instead?

8. Does the college have an active *policy and strategy to* reduce its energy consumption?

9. Does the kitchen offer a choice of healthy foods, and discourage students from eating “junk” foods?

10. Does the kitchen collect its food waste to turn it into compost, or use it to feed dogs or pigs?

11. Does the college have houseplants in rooms and corridors?

12. Is the college making an effort to beautify its grounds?

13. Does the college provide environmental education and project-work for students and staff?

14. Does the college get involved in local environmental activities (both staff and students)?

15. Does the college invite speakers to talk to all about the environment and its problems?

16. Does the college library ever hold special exhibitions of books, magazines about the world environmental crisis?

17. Does the college have an environmental club or society?

18. Has your college ever undertaken an environmental audit of its activities and courses?

19. Has your college set up an Environmental action team to look into the kinds of actions which it could take?

20. Does the college encourage staff and students to take a positive attitude, building the belief that we CAN make a difference?

Add up the scores for each answer above and check the level of greenness of your college.

**REPORT CARD**

35-40 = You are doing excellently!! Take a Green Medal!!

30-35 = You are doing quite well!

20-30 = You have made a start, but you are not yet a green college.

0-20 = Plenty of room for improvement, must do better next term!

**Our college score is:**

Q3.Go to the website [www.footprintcalculator.org](http://www.footprintcalculator.org) and complete the calculator’s questions to check your own carbon footprint.

Based on the above calculations, fill the following values:

My Earth Overshoot Day is on :

We will require \_\_\_\_\_\_\_\_ Earth like planets to live if everyone followed my lifestyle.