

Urban Greenery, Movability and Residential Satisfaction: An Exploration of 'Asansol' as Eco-friendly City

My name is **Dhrubajyoti Das**, I'm a student of Kazi Nazrul University. I'm researching on impact of Urban Greenery on Residential Satisfaction in Asansol City. We are conducting a survey in household level. your house is selected for survey. I would like to ask you some questions which take 15 to 20 minutes. All answer you give will be confidential and will not be shared with anyone. Your participation will help me to conduct the survey. Thank you.

Questionnaire

• Basic Information about the study area:

1. Name of District _____
2. Name of City _____
3. Ward No. _____
4. Pin Code _____
5. Police Station _____

A. Demographic Questions:

1. Name of respondent: _____
2. Age of respondent:
(a) Below 18 (b) 18 – 25 (c) 26 – 33 (d) 34 – 41 (e) 41 – 48 (f) 49 – 56
(g) Above 56
3. Sex of respondent:
(a) Male (b) Female (c) Others (d) Prefer not to say
4. Education Qualification:
(a) Matriculate (b) Higher Secondary (c) Graduation (d) Post Graduation
(e) Higher Education
5. Occupation:
(a) Student (b) Employed (c) Self-employed (d) Unemployed (e) Retired
(d) Business

B. Frequency, Distance and Duration of Exposure to Urban Greenery:

1. How often do you visit urban green spaces (e.g., parks, gardens)?
(a) Daily (b) Several times in a week (c) Once a week (d) Several times in a month
(e) Once a month (f) Rarely (g) Never
2. How accessible are urban green spaces from your home?

- (a) Very accessible (within 5 minutes) (b) Moderately accessible (within 10-15 minutes)
(c) Slightly accessible (within 20-30 minutes) (d) Not accessible (more than 30 minutes)

3. On average, how much time do you spend in urban green spaces per visit?

- (a) Less than 30 minutes (b) 30 minutes to 1 hour (c) 1 to 2 hours
(d) More than 2 hours

4. What activities do you engage in when visiting urban green spaces? [select all that apply]

- (a) Walking/jogging (b) Exercising (c) Relaxing (d) Socializing (e) Reading
(f) Playing sports (g) Other _____

C. Movability:

1. What is your primary mode of transportation? [select all that apply]

- (a) Walking (b) Bicycling (c) Public transportation (d) Private car/bike
(e) Ridesharing (e.g., Uber, Lyft)

2. Do you think there are enough green spaces in your neighbourhood?

- (a) Strongly agree (b) Agree (c) Neutral (d) Disagree (e) Strongly disagree

3. How often do you use green spaces as a route to your destination?

- (a) Never (b) Rarely (c) Sometimes (d) Often (e) Always

D. Perceived mental wellbeing:

1. Do you feel more relaxed after spending time in urban green spaces?

- (a) Strongly agree (b) Agree (c) Neutral (d) Disagree (e) Strongly disagree

2. Do you think regular exposure to urban green spaces has a positive impact on your mental health?

- (a) Strongly agree (b) Agree (c) Neutral (d) Disagree (e) Strongly disagree

E. Resilience to Stress:

1. How often do you feel stressed in your daily life?

- (a) Never (b) Rarely (c) Sometimes (d) Often (e) Always

2. Do you believe that spending time in urban green spaces helps you cope better with stress?

- (a) Strongly agree (b) Agree (c) Neutral (d) Disagree (e) Strongly disagree

3. Have you noticed a change in your ability to handle stressful situations since you started visiting urban green spaces?

- (a) Significant decrease in stress resilience
(b) Slight decrease in stress resilience

- (c) No change
- (d) Slight increase in stress resilience
- (e) Significant increase in stress resilience

4. Any additional comments, how do urban green spaces affect your mood and stress levels?

F. Social Interactions and Community Engagement:

1. How long have you lived in the Current Neighbourhood?

- (a) Less than 5 year (b) 5-10 years (c) 10-20 years (d) 20-30 years (e) More than 30 years

2. Do you frequently meet new people in urban green spaces?

- (a) Never (b) Rarely (c) Sometimes (d) Often (e) Always

3. How often do you engage in conversations with neighbours or other community members in urban green spaces?

- (a) Never (b) Rarely (c) Sometimes (d) Often (e) Always

4. Have you participated in community events or activities organized in urban green spaces?

- (a) Never (b) Rarely (c) Sometimes (d) Often (e) Always

5. Do urban green spaces in your area have facilities that encourage social interactions (e.g., playgrounds, benches, picnic areas)?

- (a) Strongly agree (b) Agree (c) Neutral (d) Disagree (e) Strongly disagree

G. Residential Satisfaction:

1. How satisfied are you with your current neighbourhood?

- (a) Very dissatisfied (b) Dissatisfied (c) Neutral (d) Satisfied (e) Very satisfied

2. Do you feel that urban green spaces contribute to your overall satisfaction with your neighbourhood?

- (a) Strongly agree (b) Agree (c) Neutral (d) Disagree (e) Strongly disagree

3. Do you think that urban green spaces help strengthen the sense of community among residents?

- (a) Strongly agree (b) Agree (c) Neutral (d) Disagree (e) Strongly disagree

H. As an Eco-friendly city:

1. In your opinion, how has the amount of urban greenery in your area changed over the past 10years?

- (a) Significantly decreased (b) Slightly decreased (c) No change (d) Slightly increased
(e) Significantly increased

2. How would you rate the overall environmental quality of your city?

- (a) Very poor (b) Poor (c) Average (d) Good (e) Very good

3. Do you think your city has sufficient urban greenery?

- (a) Strongly agree (b) Agree (c) Neutral (d) Disagree (e) Strongly disagree

4. Which aspects of urban greenery do you think most contribute to an eco-friendly city? [select all that apply]

- (a) Air quality improvement
- (b) Temperature regulation
- (c) Noise reduction
- (d) Recreational opportunities
- (e) Aesthetic value
- (f) Biodiversity support

5. What types of green initiatives would you like to see more of in your city? [select all that apply]

- (a) Tree planting programs
- (b) Green roofs and walls
- (c) Community gardens
- (d) Sustainable public transportation
- (e) Renewable energy projects
- (f) Waste reduction and recycling programs

I. Personal Involvement and Opinions:

1. Do you personally engage in any eco-friendly practices? [select all that apply]

- (a) Tree planting
- (b) Recycling
- (c) Using sustainable public transportation
- (d) Reducing energy consumption
- (e) Participating in community gardening

2. How likely are you to support or participate in local initiatives aimed at enhancing urban greenery?

- (a) Very likely (b) Likely (c) Neutral (d) Unlikely (e) Very unlikely

2. What changes would you suggest to improve urban green spaces to enhance social interactions and community engagement?
