



NIRMITEE 2019
26 – 27 March

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EVENT: TOWN PLANNING

... Planning Grandeur!!

INTRODUCTION

Pune, the eighth largest metro city of India is a major centre of attraction for youngsters and techies. The current domestic airport of Lohegaon which is also a Defence airport is unable to fulfil the demands of the city. As the population of the city increases, there is a greater need of an International airport for the emerging global city.

Due to the tremendous and haphazard growth of IT sectors, residential complexes in the suburbs and the poor public transportation in the city, the average speed of the commuters has reduced greatly to 18 km/hr. Therefore, there is a need for development of integrated and well organized Pune.

The Sustainable Development Goals are the blueprint to achieve a better and more sustainable future for all. They address the global challenges we face, including those related to poverty, inequality, climate, environmental degradation, prosperity, and peace and justice.

PROBLEM DESCRIPTION

For Round 1:

Vision: To achieve a better and organized city with suitable location of the international airport and development of the given region with smart transportation.

PROBLEM STATEMENT:

Finalize the location of the new international airport and design and develop the plan with a proper sense of various terminologies necessary in town planning by considering the population in the year 2021. Your job is to plan on the basis of the following points:

- Total Area to be Developed: 100 sq.km
- Expected avg. speed of transport (commutation): 27 kmph for city roads and 65 kmph for highways/freeways.
- Scale is to be decided by the participants. Drawing to the scale is not mandatory but the plan should be proportionate and should display zone wise planning. Use standard colour scheme of the government.
- The planning should adhere to **Standard basic DC and RERA rules**.

DESIGN FEATURES NEEDED:

1. Suitable location of the International Airport.
2. Connectivity of the airport to the city centre: A Highway and a Metro Rail route.
3. Proper zoning of the given area according to the percentages given.
4. Ideas for sustainable development should be incorporated.
5. A well designed road network and public transport routes.
6. Provision of open spaces and parks.

WHAT IS TO BE DONE?

- You will be provided an A1 size sheet (50cmx70cm) on which you will have to draw your developed plan of the given area with as much details as possible using std. colours codes.
- The major roads and the metro rail route should be drawn on the tracing paper provided.

POINTS TO BE ELABORATED

- Location of the proposed International Airport and its justification.
- Population Forecasting
- Justification for the proposed Highway and Metro route
- Measures taken for **Sustainable Development**
- Steps taken for increasing the speed of daily commute and their explanation.

POPULATION DENSITY

YEAR	POPULATION
1991	1,05,000
2001	1,19,000
2011	1,33,000

ZONES AND % AREA:

SR NO	ZONE	%AREA
A	RESIDENTIAL	40
B	INDUSTRIAL	15
C	COMMERCIAL	15
D	RECREATIONAL AND ROADWAYS	30

NOTE: Participants should include sustainable development goals in their planning and should be able to give justification for it.

