
CODE FELLAS HACKATHON

Gautam Buddha University

IMAGINATORS MINIONS

-Presents you
the web design



Documentation of 'No worries in the Air'

-by "Imaginators Minions"

- Problem Statement:

OUR TOPIC OF WEB DEVELOPMENT IS "NO WORRIES IN THE AIR".

WE CAN SEE POPULATION IS INCREASING DAY BY DAY SO WE CAME UP WITH THE IDEA TO GET RID OF THE AIR POLLUTION FROM OUR SURROUNDINGS BY PLANTINGS AND ATTAINING HABITS TO BUILD UP ECO-FRIENDLY ATMOSPHERE.

- Requirements:

THE SOFTWARE WE USED IN BUILDING UP THIS WEBSITE IS 'GOOGLE SITES'.

- Technologies Used:

THE FEATURES WERE LAYOUTS, COLLAPSIBLE GROUPS, IMAGE CAROUSEL, DIVIDER, MAP AND FORMS.

THE SALIENT FEATURES(PAGES) OF OUR WEBSITE IS HOME, POLLUTION, ATMOSPHERIC PROBLEMS, SOLUTION OF THE PROBLEM, TEAM AND CONCLUSION.

YOU COULD REVIEW THOSE FROM SIDE BAR ALSO WE HAVE PROVIDED FAQ'S , SUGGESTION AND COMMENT BOX. ALL THE ADVICES AND SUGGESTIONS ARE ALWAYS WELCOMED.

- Project Description:

Home-

GAUTAM BUDDHA UNIVERSITY AT GREATER NOIDA HAS BEEN AWARDED ONE OF THE BEST ECO-FRIENDLY CAMPUSES BY BUILD ARCHITECTURE AWARDS, LONDON. THE 500-ACRE CAMPUS IS LOCATED ADJACENT TO THE YAMUNA EXPRESSWAY CONNECTING DELHI AND AGRA.

TO PROTECT THE CAMPUS FROM THE NOISE AND VISUAL POLLUTION OF HEAVY TRAFFIC, A SUFFICIENTLY WIDE PATCH OF URBAN FOREST HAS BEEN PROVIDED ALONG THE EXPRESSWAY. ON ENTERING THE CAMPUS THROUGH A MAJESTIC ENTRANCE ONE IS GREETED BY THICK FOREST WHICH CREATES A TRANQUIL ENVIRONMENT INSIDE THE CAMPUS AND HELPS IN IMPROVING THE MICRO-CLIMATE OF THE AREA.

SELECTION OF LOCAL SPECIES OF FLORA AND FAUNA FOR LANDSCAPING HELPS IN CREATING ABUNDANT GREENERY IN THE CAMPUS WITH MINIMUM MAINTENANCE COST. WITH THESE DESIGN FEATURES THE CAMPUS HAS GROWN AS A MODEL OF ECOLOGICALLY SENSITIVE DEVELOPMENT AND AN EPITOME OF SUCCESSFUL GREEN CAMPUS DESIGN.

Pollution-

POLLUTION IS THE INTRODUCTION OF CONTAMINANTS INTO THE NATURAL ENVIRONMENT THAT CAUSE ADVERSE CHANGE. MAJOR FORMS OF POLLUTION INCLUDE AIR POLLUTION, LIGHT POLLUTION, LITTER, NOISE POLLUTION, PLASTIC POLLUTION, SOIL CONTAMINATION, RADIOACTIVE CONTAMINATION, THERMAL POLLUTION, VISUAL POLLUTION, AND WATER POLLUTION.

INDIA HAS THE WORLD'S HIGHEST DEATH RATE FROM CHRONIC RESPIRATORY DISEASES AND ASTHMA, ACCORDING TO THE WHO. IN DELHI, POOR QUALITY AIR IRREVERSIBLY DAMAGES THE LUNGS OF 2.2 MILLION

OR 50 PERCENT OF ALL CHILDREN. ALSO, BECAUSE OF ALL THESE PROBLEMS, THE POLLUTION IS AFFECTING THE NEARBY AREA OF DELHI(NCR) LIKE GREATER NOIDA, GURUGRAM, GHAZIABAD, DADRI, HARYANA ETC.

Atmospheric problems-

ONE OF THE BIGGEST THREATS TO PUBLIC HEALTH IN DELHI IS BECAUSE OF RISING AIR POLLUTION IN THE CITY. THE RESPIRABLE SUSPENDED PARTICULATE MATTER (RSPM) VALUES IN MANY PARTS OF DELHI EXCEED THE PERMISSIBLE VALUE IN MOST PARTS OF THE CITY ALMOST THROUGHOUT THE YEAR. IN MAY 2014, THE WORLD HEALTH ORGANIZATION DECLARED DELHI TO HAVE THE WORST AIR QUALITY IN THE WORLD.

IT IS NO WONDER THEN THAT THE AIR QUALITY INDEX IN DELHI AVERAGES IN THE UNHEALTHY TO VERY UNHEALTHY RANGE. CONSEQUENTLY, MORE AND MORE PEOPLE ARE GETTING UNWELL DUE TO LUNG AND RELATED INFECTIONS AND CHILDREN, THE ELDERLY AND THE SICK ARE THE WORST AFFECTED. IN DECEMBER 2015, IN WHAT WAS AN UNPRECEDENTED DECISION, THE GOVERNMENT OF NCT OF DELHI SHUT DOWN SCHOOLS DUE TO AIR POLLUTION.

Solutions of the Problem –

THE STEP TO TAKE CARE OF OUR HEALTH AND SURROUNDINGS IS PLANTING TREES AND PLANTS THAT MUST HAVE THE ABILITY OF AIR-PURIFYING, ALMOST TREE AND PLANTS HAVE THIS ABILITY AND ALSO TO KEEP INDOOR-HOUSE PLANTS THAT GIVE OXYGEN AT NIGHT....BY DOING SO BESIDE WE CAN KEEP OUR SURROUNDING SAFE FOR FUTURE GENERATIONS AND US TOO. THIS PROCESS CAN ALSO HELP US TO GET RID FROM AIR POLLUTION MAINLY IN DELHI NCR AREA AND NEIGHBOURING STATES TOO.

SOME OF THE INDOOR-PLANTS ARE BELOW:

- Snake plant
- Peace lily
- Orchid
- Gerbvera plant
- Areca palm plant
- Christmas cactus
- Aloevera plant
- Peepal tree

PROTECTION OF OUR ENVIRONMENT IS ONE OF OUR MAJOR RESPONSIBILITIES AND A NATURAL WAY OF CARING FOR SELF AND FOR OUR FUTURE GENERATIONS. THERE ARE SEVERAL FACTORS THAT WOULD HELP REDUCE THE IMPACT OF OUR CONSUMPTION HABITS. BENEATH ARE SOME OF THE PRACTICAL WAYS THAT CAN BE IMPLEMENTED IN OUR DAILY LIFE TO REDUCE POLLUTION.

- Choosing a Transportation Facility
- Food Choices
- Energy choices
- Usage of Chemicals
- Avoid Flushing your Medication
- Conservation of Water

- **Challenges faced:**

- **How city life affects your health and happiness**

A RECENT STUDY HAS LIKENED CITY AIR POLLUTION TO SMOKING A PACK OF CIGARETTES EACH DAY FOR 29 YEARS. WHILE THE EFFECT ON OUR LUNGS IS UNDOUBTEDLY TROUBLING , WE SHOULD ALSO BE WARY OF WHAT THE AIR WE BREATHE IS DOING TO THE REST OF OUR BODIES .

THE NEW STUDY MONITORED GROUND-LEVEL OZONE EXPOSURE IN 7,000 ADULTS LIVING IN CITIES ACROSS THE US. GENERALLY, URBANITES WERE EXPOSED TO BETWEEN 10 AND 25 PARTS PER BILLION OF OZONE , WHERE AN INCREASE OF THREE PARTS PER BILLION EQUATES TO SMOKING AN EXTRA PACK OF CIGARETTES EACH DAY . SO, EVEN MOVING FROM A LOW -POLLUTION AREA INTO ONE OF THE CLEANER CITIES COULD STILL INCREASE YOUR RISK OF RESPIRATORY DISEASES LIKE EMPHYSEMA — WHICH IS MORE COMMONLY ASSOCIATED WITH SMOKERS .

- **How air pollution exacerbates Covid-19**

ONE RECENT STUDY FOUND THAT EVEN SMALL INCREASES IN FINE PARTICULATE MATTER , KNOWN AS PM2.5, HAVE HAD AN OUTSIZED EFFECT IN THE US. AN INCREASE OF JUST 1 MICROGRAM PER CUBIC METRE CORRESPONDED TO A 15% INCREASE IN COVID-19 DEATHS, ACCORDING TO THE RESEARCHERS , LED BY XIAO WU AND RACHEL NETHERY AT THE AT THE HARVARD UNIVERSITY T.H. CHAN SCHOOL OF PUBLIC HEALTH.

- **CONCLUSION**

Much is being done to control, monitor and rectify damage done by pollutants. The problems are diverse and some are only being recognized but it is important to keep a close control over pollutants so that we can maintain the environment in an acceptable condition for future generations.

