

**Guru Tegh Bahadur
3rd Centenary Public School**

**DELHI AI GRIND -
MINI GRIND**

INITIATED BY

**Govt. of NCT of
Delhi**

Classes VI - IX & XI

DELHI AI GRIND

The activity was successfully conducted in the school and there was a massive participation of nearly 200 students.



DELHI AI GRIND

The event aimed to promote creativity, innovation & problem solving skills through AI. The students explored the world of ARTIFICIAL INTELLIGENCE and applied AI - based concepts to real life problems and solutions.



DELHI AI GRIND



Students worked in teams to identify real-life problems and ideated solutions on A3 Prototype sheets, showcasing innovation and creativity



DELHI AI GRIND



DELHI AI GRIND

Topic: Public Safety & Governance Name of Student: Anishka Name of Class: VIII A

1. **What Problem did you notice?**
I've seen many incidents around my city where girls are being stalked at with bad intentions and sexual harassed by boys. And we keep hearing such news everyday. So, I thought that according to today's time, I should create an app related to women safety.

2. **Who is affected and why?**
Women and girls are often the main victim of these stalks attacks. These things happen with them once travelling or going out for some work. The reason we should resolve these problems because of the rising cases.

3. **Why does this problem exist?**
These problems are due to lack of education, lack of awareness about respecting girls, misuse of power, people who always blame the victims, inadequate laws, parents are not caring and social influence.

4. **What change do you want to create?**
I want to help create a change where everyone especially women and girls should feel safe and respected.

5. **Where does AI come in?**
Resolving Instant Support through chatbot of Google the AI chatbot comes in time.

6. **How will it work?**
By installing a mobile app regarding the issue to help women easily by installing a tracking app which will be linked to the app. The app will be linked to the police and the location will be updated every 5 minutes. If she's in danger she can click on the emergency button and nearby women safety officers will be there.

7. **Who benefits and how?**
Women and girls who feel unsafe or are at risk of being stalked or harassed will benefit from this app. It will help through quick SOS alerts to contacts and authorities, and by showing real time location and tracking. The app will be affordable, with a minimal subscription amount.

8. **How will we know it worked?**
By collecting user feedback through reviews, ratings and surveys to understand their experience. We will also monitor response times to SOS alerts and track accident outcomes. Additionally, we will analyze app usage and feature adoption metrics.

9. **What help you need?**
We need the help of government and technology. The government can help with sharing emergency services and sharing online data to improve safety. We need financial support for development. Technology partners can help promote the app through official websites and channels.

Flowchart:
Welcome to Guardian angle
Share Current Location → Request Help → Call Ambulance
Police Call
Emergency Help Line
Trigger High Alert

NAME OF team - 1 Theme: Joya, Riza, Tahira, Shikha, Kirti Jha, Class: 6th A

1. **What problem did you notice?**
Student learn at different speeds. In a big class, some find lessons too fast and get confused, while others find them too slow and get bored.

2. **Who is affected and why?**
Who: Students and teachers
Why: To ensure every child masters "future skills" (like logic and coding) regardless of their learning speed.

3. **Why does this problem exist?**
One teacher cannot give 40 different lessons at the same time. Textbooks are the same for everyone and cannot adapt to a student's struggle.

4. **What change do you want to create?**
I want every student to have a personal AI tutor that changes the lesson difficulty to match their needs.

5. **Your Idea How will it work?**
The AI tracks how a student answers questions. If a student struggles the AI explains the topic using simple games/videos.

6. **Where does AI come in?**
AI TUTOR

7. **Who benefits and how?**
Who: All students.
How: It builds confidence and ensures no one is left behind.

8. **How will we know it worked?**
When every student in class passes their skills test and no one feels "boxed in" or "lost".

9. **What help you need?**
Software codes to build the AI and teachers to test it in classroom.

Diagram:
Science book, AI Tutor robot, Math's book

Mini AI Grind CLASS - 7th C

TEAM MEMBERS: Latika, Shashi, Iqra, Sibali, Usha

समस्या: हमारे परिवार में एक बच्चा अस्पष्टता से कुछ काम करता है। हमारे परिवार में हमें यह पता चलता है कि हमारे बच्चे को कुछ काम करने में दिक्कत है।

समस्या में कौन शामिल है: बच्चे, बड़े, अमीर, गरीब, आदि।

Health Care & app Artificial Intelligence

अभियंता का अर्थ: हम AI से एक ऐप बनाने के लिए कोशिश करेंगे। हमें यह पता है कि हमें एक ऐप बनाने के लिए कुछ चीजें सीखनी होंगी। हमें यह पता है कि हमें एक ऐप बनाने के लिए कुछ चीजें सीखनी होंगी।

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TRANSPORT & MOBILITY

NAME of the team members: Anjali, Kumar, Pooja, Alisha, Jyoti, Alina

11th B

1. गाड़ों में एकरा इतिको काम और उससे होने वाला पापु प्रयुक्त।

2. योजना काम पर जाने वाले लोग और पास होने वाले काम प्रभावित हैं।

3. समय की बर्बादी और दुर्घटनाओं के कारण खर्च के कारण इसे हम कारना करती हैं।

4. हम एक ऐसा स्मार्ट सिस्टम बनाना चाहते हैं जो ट्रैफिक को कम करे और याता को सुरक्षित बनाए।

6. AI प्रेरित गाड़ों को हमें पता है कि हमें कहां जाने के लिए जाना है।

7. AI हमें गाड़ों को हमें पता है कि हमें कहां जाने के लिए जाना है।

8. हमें यह पता है कि हमें कहां जाने के लिए जाना है।

5. गाड़ों के सिस्टम पर AI हमें पता है कि हमें कहां जाने के लिए जाना है।

9. हमें यह पता है कि हमें कहां जाने के लिए जाना है।

Indian person road safety with Great Skill

Name of team: S

Name of team members: Anurika, gowms, Sany, Bhatika, Isha Zaha Akhars

1. What problem did you notice?
First of all, how and ambulances get stuck in heavy traffic. So the ambulance can't reach the patients in emergencies.

2. Who is affected and why?
Ambulance, patients and emergency patients. Why? to save lives and time by using priority vehicles move through the city faster.

3. Why does this problem exist?
First, who are students and emergency vehicles. They cannot see when an important vehicle is stuck in traffic.

4. What change do you want to create?
We want to create smart traffic lights that clear the path for ambulances and emergency vehicles.

5. Your Idea How will it work?
We want to create smart traffic lights that clear the path for ambulances and emergency vehicles.

6. Where does AI come in?
AI Tool AI Sensors & Real-time Data

7. Who benefits and how?
Who? - Who? The whole community. How? - It reduces travel time by 40% and ensures students reach school on time.

8. How will we know it worked?
We will know it worked when we see that emergency vehicles are not stuck in traffic.

9. What help do you need?
We need support from the traffic police and experts in smart city technology.

Education & future well-being

MEMBERS NAME: Lakshmi, Diksha, Navya, Vaishnavi, Jha, Karishma

CLASS - 9th

PROBLEM
Students nowadays are facing problems in deciding their profession & career in future.

WHO IS AFFECTED & WHY?
Mostly affected persons are teenagers because they lack of guidance.

WHY DOES THIS PROBLEM EXIST?
THIS PROBLEM exist because students/teenagers go through stress and downfall of career decision.

WHAT CHANGE DO YOU WANT TO CREATE?
We want that these should something that would guide our students for their future.

Idea & AI

IDEA
This app helps the student to acknowledge about their future & careers by a aptitude test which shows their interest and skills.

BENEFITS
(i) This app overcome the stress of future deciding.
(ii) This app helps students to know about their skills.

HOW WILL WE KNOW IT WORK?
This app provides a proper roadmap of journey for choosing profession, jobs, exams etc.

WHAT HELP DO YOU NEED?
We need the help of AI tools, softwares to develop this app.

AI GRIND Activity

NAME OF TEAM: Social Censing team...

NAME OF TEAM MEMBERS: Ayushi, Raviya, Shifa, Sahiba, Habiba

CLASS 11th C

Innovation Segment: Public Safety & Governance

Topic: LACK OF Safe public

1. What problem did you notice?
I noticed that many public places don't have clean & safe toilets. Girls feel uncomfortable & unsafe using public toilet. This affects health, dignity & daily life.

2. Who is affected & why?
Girls & women are most affected. This happens in market, bus stands, school and public areas. Unsafe toilets cause health issue & fear of harassment. This problem must be solved to ensure safety & hygiene.

3. Why does this problem exist?
There is lack of maintenance & monitoring. Govt. toilets are often ignored or misused.

4. What change do you want to create?
We want to create safe clean & secure public toilets for everyone, especially girls.

5. Your Idea - How will it work?
(i) Install small toilets in public place.
(ii) Use sensors to check cleanliness & use.
(iii) Provide emergency alert buttons inside.
(iv) Regular cleaners alerts send to staff.
(v) Users can give feedback through.

6. Where does AI come in?
(i) AI app for locating nearest safe toilet.
(ii) AI sensors to monitor cleanliness.
(iii) AI chatbot for complaints & feedback.
(iv) AI camera for safety monitoring.

7. Who benefits & how?
• Girls & women feel safer using public toilet.
• Health & hygiene improve for all citizens.
• The service is affordable & supported.

8. How will we know it worked?
• fewer health complaints related to public toilets.
• More people using public toilets.

Smart Light & (or) Smart life

NAME OF TEAM: Nandani (Nandani), Pallavi, Anjali, Hanika, Anika

CLASS 10th (A)

What problem did you notice?

Around me, I see artists and hobbyists struggling with pencil, eraser, and ruler, often getting frustrated as the proportions don't match the photo.

4. What change do you want to create?
We want to create an AI-powered app that instantly projects or prints a perfect, adjustable grid onto any paper size, removing the need for manual measurement.

5. Your IDEA - How will it work?
User uploads a photo to the app.
App detects paper size (A3) and set the number of grid lines.
AI analyzes the image and generates a digital grid overlay.
User uses a smartphone as a projector or print the guided image directly.
Artist draws directly on the paper using the digital grid.

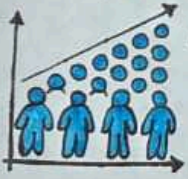
7. Who benefits and how?
• Beginners
• Art student and hobbyists
• Save time, ensure accurate proportions and increase confidence in drawing.

8. What help do you need?
Support - I need help from a technology developer for the app interface and feedback from art teachers to ensure the tool helps with learning.

Public Healthcare System: Issues in Government Hospitals



What Problem did you notice?



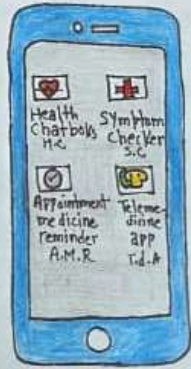
Overcrowding
 • Government hospitals often have a very high number of patients compared to available beds and doctors. This leads to long waiting times and difficulty in receiving proper attention.



Poor Infrastructure
 • Old buildings, broken beds, non-functional lifts, and poor ventilation make hospitals uncomfortable and unsafe for patients.

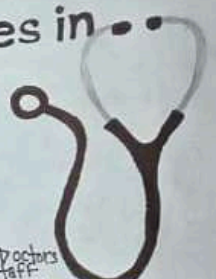
OUR SOLUTION

An AI Powered mobile Companion that helps patients



Shortage of Doctors and Staff
 • Many hospitals lack sufficient doctors, nurse, and support staff. Due to this shortage, existing staff are overworked which can affect treatment quality.

Delay in Treatment
 • Due to long queues, Paperwork, and limited resources, Patients often experience delays in diagnosis and treatment, which can be life-threatening.



NAME - AASHIYA PARVEEN

EDUCATION & FUTURE SKILLS

Ques: What problem did you notice?

Ans: I noticed that children are no longer just "using" phones, they are "getting lost" in them. This had led to three major issues:
 • We are losing the "active child" to a "passive screen", and it is time to bring back the balance.

Ques: What is affected and why? / what is affected?

Ans: Here is why it is affected:
 (i) Health - It affected children's mental health which makes them weaker.
 (ii) Divide mind - It divide the mind of child which can affect their future and ruin their life, and as we know that children are like gods but by the over use of phone they can come in monster.

Ques: Why does this problem exist?

Ans: It exist because of lack of parenting. Parents give functional phone to their child before 18+ and never check it. They do not monitor that's why.

Ques: What change do you want to create?

Ans: I want to create an app which can use easily by parents which limit their children use of phone.

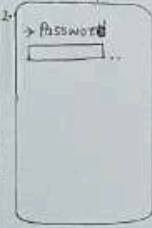
YOUR GOAL - How will it work?...

1. We will create (create) an app named password.
2. Parents and also children by themselves can use this.
3. First go to this app give an password and set the time limit to the app which you use the most.
4. You can set this to all app & after completing the limit you can't use this again on that day.

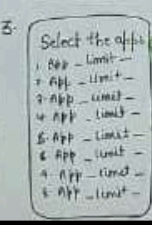
App name: PASSWORD (LOGO)

→ After open this app

→ Click the App...



→ Save an password to use phone after completing the limit



→ select the app then select the limit



→ Activate then this system will apply.

Who benefits and how?

1. It will limit the use of phone by student and they can also use phone and can give their time to other activities.
2. It will complete those things which they can feel happy by doing.
3. It will secure their future because they can invest their time in various things.

How will we know it worked?

1. Now, if you see your child after using this app so you will see the change.
2. They will use their free app as well as they will focus on their academics.

What help you need?

- Technology support (App/AI)
- Government our community support
- Guidelines.

Where does AI come in?

Through AI we can give instruction to parents & students when ever they will search regarding this problem so our app would suggested to them. Also give the help to them.

HEALTH AND WELL-BEING

NAME OF THE TEAM: - STAR TEAM CLASS: - IX D
 NAME OF THE TEAM MEMBERS: - FATMA BUSRA, ANANYA, MANYI, REKHA, SONU

1. आपने कौन-सी समस्या देखी?
 → लोगों को दवाइयों का सही पता कब किस समय लेनी चाहिए और कितनी

2. इससे कौन प्रभावित हुआ और क्यों?
 → ज्यादातर अनपढ़ लोग और बुजुर्ग
 → अच्छे इलाज के लिए जरूरी
 → जीवन सुरक्षा

3. यह समस्या क्यों उत्पन्न हुई?
 → लोगों को मेडिकल ज्ञान कम होना व पढ़ा-लिखा कम होना

4. आप कैसे बदलाव लाना चाहते हैं?
 → लोगों को दवाइयों का प्रयोग व सही मात्रा का ज्ञान होना

5. यहाँ AI कैसे काम करेगा?

- UDM (Usage and Dosage of my Medicine)
- Medicine का नाम डालकर सुझावेगा
- दवाई के बारे में सारी बातें निकल आएगी



PARACETAMOL

6. आपका विचार - यह कैसे काम करेगा?

→ हम एक APP बनासगे जिसका नाम (USAGE AND DOSAGE OF MY MEDICINE) UDM. जिससे लोगों को आसानी से पता चल सकेगा कि दवाई कब लेनी है किस लिए है और कितनी लेनी है।

7. किसका फायदा होगा और क्यों?
 → बड़े लोगों को
 → अनपढ़ लोगों को
 → गरीब लोगों को

8. यह कैसे काम करेगा?
 → इससे लोगों की ज्ञान को खतरा कम हो जायेगा

9. आपको कौन-सी सहायता चाहिए?
 → हमें social Media पर ज्यादा से इस APP को दिखायेंगे
 → हम सरकार की भी मदद ले सकते हैं।

Smart City & Civic Services

Quick Way

 People face traffic problem
 Time management
 Road infrastructure
 Pollution problem
 lose of
 like :- petrol diesel

An AI powered mobile app that helps for traffic management.



Traffic here => where can you find traffic this option tell you! ...

Simple route no traffic => which route should you take to avoid traffic this option tell you! ...

Vehicle near you ... It tells you which vehicle is driving ahead of or behind you! ...



All in one app!

NAME OF TEAM ROAD GUARDIAN

CLASS = XIth D

1. WHAT PROBLEM DID YOU NOTICE?
OUR TEAM HAS NOTICED THE BIGGEST PROBLEM IN OUR AREA IS THE ROADS WHICH ARE IN TERRIBLE CONDITION.

2. WHO IS AFFECTED WHY?
THE ROADS ARE IN VERY BAD CONDITION, CAUSING A LOT OF TROUBLE FOR ALL THE TRAVELERS.

3. WHY DOES THIS PROBLEM EXIST?
THE ROAD PROBLEM EXISTS DUE TO A COMBINATION OF SYSTEMIC, INFRASTRUCTURAL, AND ENVIRONMENTAL FACTORS.

4. WHAT CHANGE DO YOU WANT TO CREATE?
WE WANT TO GRIND DOWN TUBES TO CREATE A TILE THAT CAN BE USED FOR ROAD CONSTRUCTIONS FOR PROFESSIONAL APPLICATION THIS CONCEPT IS A NEW ROAD TECHNOLOGY.



8. WHAT HELP DO YOU NEED?
WE WANT HELP FROM GOVERNMENT SIDE FOR ROAD CONSTRUCTION.

5. YOUR IDEA - HOW WILL IT WORK?
THE IDEA WE DECIDE, THE USED TYRE WILL GRIND THEN MADE A PLASTIC SUBSTANCE WHICH USE IN MADE ROAD.

6. WHERE DOES AI COME IN?
WE USE AI PROGRAM FOR SPREADING THE IDEA OF ROAD MAKING WHICH LIKE EVERYONE BECAUSE IN THIS GENERATION EVERYONE USE AI SUCH THAT SOCIAL MEDIA, TWITTER ETC. GENZ'S HELP TO SPREAD THIS IDEA MORE.

7. WHO BENEFITS & HOW?
THIS HELPS TRAVELERS BECAUSE THEY ARE FACED THE ROAD PROBLEM DAILY, AND THEY ARE MORE TRAVEL FOR JOB PURPOSE ALSO BENEFICIAL FOR STUDENT WHO STUDY IN SCHOOL, COLLEGE ETC.

ALL PARTICIPANTS RECEIVED APPRECIATION CERTIFICATES



DELHI AI GRIND - MINI GRIND

This event promoted team work & a clear understanding of technology and also boosted the confidence of participants.

OUR MOTTO



CHARDIKALA

**Guru Tegh Bahadur
3rd Centenary Public School**