**A System to Protect victim from**

**Sexual Harassment**

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**Abstract**: Nowadays sexual harassment is one of the most open crime in whole world . It becomes the key of concern not only for our nation ,but also for whole world . Every single day women has to face this hated act . Everywhere like work station ,office , bus station , road , garments women are facing this unwanted humble act . So , It is must to find any prevention or protection to reduce this problem and save our sisters . In this paper , I will try to find a solution to protect victim from sexual harassment .

**1 Introduction**

In recent days sexual harassment in our country increasing rapidly. It is seen that out of 675 rape cases , 33.5% victim are in 12-15 age in Bangladesh [1] and in 511 cases the convict was familiar to the victims [1]. Our government is trying to solve this unavoidable problem and we have seen some steps has been taken to prevent this act. But this problem is increasing too much fast that we must have to find some solution to protect the victim from sexual assault . Our government has made some strict rules to be followed .But it can not only hold on the rapid growth of this act . Women are not secure now in any shift of a day or night in this era . They always feel insecure even in the roads in daylight . So, it is must to think about what can be done to feel them safe and free everywhere . I am trying to have a solution to protect women from sexual harassment .

**2 Literature Review**

In this modern era many researcher has researched about how to protect the victim of sexual harassment and how to prevent this shameful act. They have submitted many idea .But this does not help to stop this act. In recent times many wearable gadgets are invented to trace the victim so that she can be helped . Invi bracelet is a non violence bracelet that releases a strong smell to repel .When there is a threatening situation ,by opening the bracelet a pungent smell is released to constrain the assailant to leave [2] . The sunshine necklace is a women jewellery containing a button in the center. When the victim press the button the alarm will be start and it will send the location and trouble message alert to the alarm center [3]. There are also some other invention like protective undergarments, paper spray , date rape protector nail polish and Athena : a wearable jewellery [2] . But in all of the device , timing is a big issue . So I want to design a system to reduce sexual assault.

this problem. In 1992 Bangladesh government make a decision for improving the

traffic congestion of Dhaka city with long-term strategy. The World Bank helped

us to fund the Dhaka Urban Transport Project (DUTP) with includes lots of

policy issues, development, building capacity etc [6]. But now this problem get

bigger size. Our government divided the city into two parts The Dhaka North

City Corporation (DNCC) and The Dhaka South City Corporation (DSCC) for

solving our city problems properly. Our country is a small country but it has

huge population and also our population growing quickly. Dhaka city is heart

of our country. Chittagong is also one of the busiest city in our country. Every

modern city should have 25 per cent [2] of its total area devoted to road use,

but Dhaka city has only 8 or 10 per cent [2] which is not enough for our country.Every district faced traffic congestion but Dhaka city faced with this problem

rapidly. Dhaka city is one of the most populated cities in the world. Now-a-days

it is facing serious traffic congestion problem along with others problems. US $3

billion is the estimated cost for a year and more than 8 million work hours we lost

everyday [5]. If we can save this cost and time we can use it for our country development and our country can earn more. At present, the population of Dhaka

city is over 14 million which is can be increased more than 24 million within 2021

(per year 7% increase) [5]. The traffic condition of the street cars to modify the

traffic signaling strategies was shown us in Shuichi and Hironao research paper.

Their proposed signaling system can reduce the traffic congestion [4]. In our city

a large amount of non-motorized vehicles on roads [3] Saiful Alam Shovan shown

his research paper the impact of rickshaw in roads of Dhaka city. There are lots

of road in Dhaka city which is for short in distance. Those roads are only perfect

for rickshaws but another researcher, research showed that Rickshaws are main

cause for the traffic congestion in Bangladesh, mainly in our Dhaka city which

is our capital city [4].

3 Research Goal

1. Identify the main causes of traffic congestion.

2. Analyze the undisciplined traffic controlling system.

3. Identify the solution for traffic congestion.

4. Realize the future condition of traffic congestion.

4 Causes of Traffic Congestion

1. Mismanegment of traffic system.

2. Undisciplined traffic controlling system.

3. Less man power.

4. Lacking of law.

5. Laws are not used properly.

6. Breaking traffic rules by people.

7. Unplanned cities.

8. Lack of transportation system [2].

9. Lane changing maneuver.

10. Non-station based boarding.

11. Wrong road design [2].

12. Interrupted flow of traffic.

5 Traffic Controlling and Management System in Dhaka

City

In Bangladesh one of the main cause of traffic jam is mismanagement of traffic

system. No one cares about traffic laws and no steps are taken for break the traffic

law. In our country manually controlling the traffic signal. Many times it was

not handled by properly thats way huge traffic jam happened daily. Example: In

our country Gulshan 1 circle point is one of the busiest place for traffic. Every

day there happened traffic jam for wide times. In this point 4 roads are jointed

those roads are from (A) Hatirjheel Area, (B) Mohakhali Area, (C) Gulshan 2

Area, (D) Badda Area . Here traffic signal control by traffic police but there are

digital signal light. In the mooring time road A and C are open for long times

thats way in road B and D occurs huge traffic jam. Again in the evening time

road B and D are open for long times thats way in road A and C occurs huge

traffic jam. In our country people park their car anywhere this is one of the cause

of traffic jam. Bus driver there car in their way, they dont follow the traffic rules.

They dont use bus stoppage. They stop the bus suddenly anywhere they wants.

Traffic police doesnt do his job perfectly etc.

6 Solution for reduce the Traffic Congestion

In my paper I discus about solution for reduce the traffic congestion. In country

people not follow the traffic rules properly but government not taking proper

action for this. Government should make the traffic division more strong and

also should take strong on breaking traffic rules. If any intelligence system can be

made for traffic controlling system that can reduce the traffic congestion. Every

signal point controlled by that system automatically. This system use camera as

sensor. Sensor was placed with in fixed range area. Every sensor send images as

signal to the system. System analysis the signals and take decisions. System will

be online people can see the every point traffic condition every moment then

they can use any road which road they want to use. Because in our country

maximum people use one road on the other hand there are some alternative

roads. System can observe the load of traffic of roads which helps it to open the

signal for any specific road. Otherwise system open the signal serially for some

fixed time period. System can also handle the serious condition like ambulance.

If any ambulance coming towards the signal point then system will open the

signal for ambulance. So ambulance can take patient to the hospital in time. If

any car break any traffic rules system will send message to that signal points

traffic police then then can take proper action instantly.

7 Conclusions

We the people of our country should do the main work to reduce this problem. If

we help the government then we can reduce this problem properly. If we respect

the rules and laws, if we follow the traffic signal properly then huge traffic jam

will never happened. Government should do some works like strong the laws,

apply the laws for everyone, increase the traffic police facilities so they will

doesnt involve with any corruption.

References

1. Rupert R A Bourne, Brendan P. Dineen, Deen M. Noorul Huq, Syed M. Ali, and

Gordon J. Johnson. Correction of Refractive Error in the Adult Population of

Bangladesh: Meeting the Unmet Need. Investigative Ophthalmology and Visual

Science, 45(2):410–417, 2004.

2. Mamun Chowdhury. Traffic Congestion and Mismanagement in Dhaka City. 2013.

3. M Karim. Status of the Air Quality and State-of-the-art Control Measures in Dhaka,

Bangladesh. . . . and Exhibition of Air and Waste Management . . . , 2001.

4. Khaled Mahmud, Khonika Gope, and Syed Mustafizur Rahman Chowdhury. Possible Causes & Solutions of Traffic Jam and Their Impact on the Economy of Dhaka

City. Journal of Management and Sustainability, 2(2):112–135, 2012.

5. Shoukot Osman. Dhaka’s Traffic Problem Opportunities and Suggested Solutions.

1, 2011.

6. Ahmed Rasel, Id American, and Aiub Email. Traffic congestion in Bangladesh ,

causes and solution. pages 3–4, 2015.

1.Retrospective study of alleged rape victims attended at Forensic Medicine Department of Dhaka Medical College, Bangladesh

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Out of 675 cases studied in this paper, 33.5% was in the 12–15 year age group, in 511 cases the assailant was known to the victims, 23.7% was reported and was examined within 72 h of occurrence, unmarried persons constituted 56.6% cases and 69.9% was literate. In 45.8% of the cases the victims were abused during the daytime. Non-genital violence was observed in 91 cases, 2.9% was admitted to the hospital, 2% reported with pregnancy, 0.4% reported with abortion and four cases had a history of previous abuse.

2.Innovating the problem away? A critical study of anti-rape technologies

White, Deborah; McMillan, Lesley

3.The Sunshine Necklace:

A design inquiry study about digital jewellery and

wearable technology for empowerment in sexual

harassment situations

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