Shri Sarda Education Society (Trust)'s

Smt. Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji.

District- Amravati 444705

NAAC Accredited 'A' with CGPA 3.21

DEPARTMENT OF PHYSICS

Notice

Date: 3/10/2023

All the students of B.Sc. Part III Semester V are hereby directed to complete their project work/assignment as a part of internal assessment and submit the same to the department on 3/11/2023.

Guidelines for project work/assignment

1. Prepare a group of 4 to 5 students for project work.
2. Select topic for project and prepare project model.
3. Computerized project report, get it certified and submit to the department.

3/10/23

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SMT.RADHABAI SARDA COLLEGE

ANJANGAON SURJI

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DEPARTMENT OF PHYSICS

Project work/Project Assignment

Class :- B.Sc. III

Session - 2023-24

S.N.	Name of Students	Project/ Project Assignment Topic	Signature
1	Ku. Payal Suresh There		
2	Ku. Vedika Dilip Tayde	Accident Prevention in Hilly Areas	V.D Tayde
3	Ku. Gauri Gajanan Mokalkar		
4	Ku. Neha Sanjay Makode		
5	Ku. Prachi Suresh Gomashe		
6	Ku. Shreejal Pramod Daley	Automatic Street Light	
7	Ku. Shital Arun Mahajan		
8	Ku. Sakshi Raju Yeole		
9	Ku. Madiha Irfan		
10	Ku. Arpita Gajanan Kaple		
11	Ku. Vaishnavi Vijay Pendolkhar	Tunnel Automatic Car Detection and Lights	
12	Ku. Sakshi Sunil Gurav		
13	Ku. Komal Gajanan Bansit		
14	Ku. Shrutika Bendarkar		
15	Ku. Mugdha Deshmukh		
16	Ku Shrutika Bobade	liquid layer identifi	
17	Ku Janhavi Tewade		
18	Ku Shraddha Khalokar		
19	Ku Nikita Satpute.		
20	Ku. Darshana. R. Jumale	Vaccum cleaner	
21	Suyog M Ingole		
22	Raman A Aade		
23	Ku. Gauri. B. Patil		
24	Rohit J Thakare.	Wireless power Transfer system	
25	Sanket A Bobade.		
26	Anshul A Ahiwar		
27	Prajwal G Mankar.		
28	Kaushal A Thathad.		

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S.N.	Name of Students	Project/ Project Assignment Topic	Signature
29	Kaushali M. Deshmukh	Satellite communication	KMD.
30	Purva A. Thakare	-11-	PThakare.
31	Sanika D. Kalamkar	Electromagnetism	Skalamkar
32	Shweta N. Pathe.	-11-	SN.pathe.
33	Vaibhavi G. Shingane	-11-	VGShingane.
34	Ashwini S. Babhulkar	-11-	
35	Yashasvi B. Deshmukh	Working & chandrayan	YBdeshmukh.
36	Tanushri A. Gathe	-11-	TAgathe.
37	Pratik K. Akotkar	Study of zener Diode	Pkakotkar
38	Reuthmesh P. Bedekar	-11-	Bedekar.
39	Jay N. Gaigole	-11-	Jay
40	Chaitanya K. Nitnaware		CKNitnaware
41	Chetan S. Rokade		SRokade
42	Arpita G. Raut.	Newton's Cradele	ArpitaRaut
43	Achal P. Potdukhe		APotdukhe
44	Manashri A. Tale		MAtale
45	Khushi S. katoree		Kskatoree
46	Gauri Muratkar		GauriMuratkar
47	Dhanashri A. Muratkar		DMuratkar
48	Achal R. Patil	Save coolers	Patil
49	Astha R. Ingle		Ingle.
50	Vaishnavi V. Raut.	scattering of light	VVRaut
51	Kajal S. Patel		KSpatel
52	Aarti K. Kale		AKkale
53	Rutika G. Age		
54			
55			
56			

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DEPARTMENT OF PHYSICS
SHRI RADHABAI SARDA COLLEGE
ANJANGAON SURJI

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Project on

Accident Prevention in Hilly Area

Submitted by

1) Ku. Payal S There (B.Sc. III)

2) Ku. Vedika d Tayade (B.Sc. III)

3) Ku. Gauri G Mokalkar (B.Sc. III)

4) Ku. Neha S Makode (B.Sc. III)

5) Ku. Prachi S. Gomashe (B.Sc. III)

Under the guidance of

Shri Rajendra B Mankar
(Assistant Professor)

Submitted to

Department of Physics
Smt Radhabai Sarda Arts, Commerce and Science College,
Anjangaon Surji

Session 2023-2024

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Certificate

This is to certify that ***Ku. Payal S There, Ku. Vedika D Tayade, Ku. Gauri G Mokalkar, Ku. Neha S Makode & Ku. Prachi S. Gomashe***, studying in ***B.Sc. Part III*** have completed project/project assignment ***Accident Prevention in Hilly Area*** under my guidance and submitted to the department for their internal assessment for academic session 2023-2024.

31/11/2023

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DEPARTMENT OF PHYSICS
SMT.RADHABAI SARDA COLLEGE
ANJANGAON SURJI

Objective

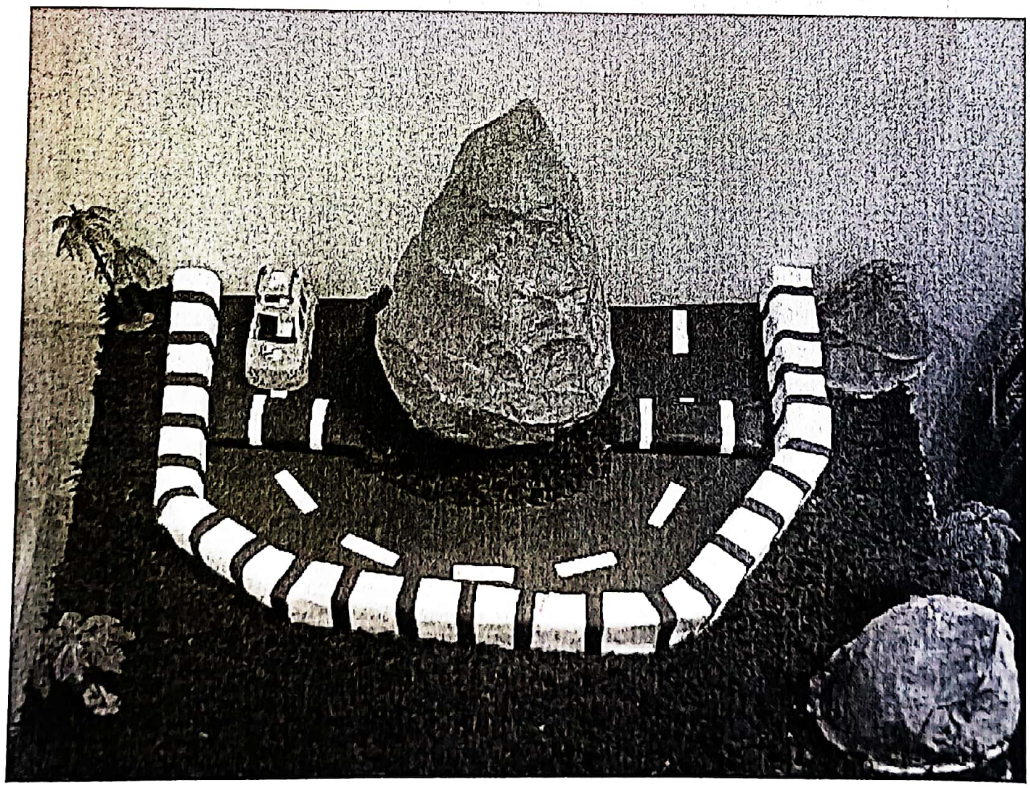
We see that maximum number of accident was happened in the hilly areas. This is because roads in the hilly areas are curved in shape. Main objective of our project is to reduce the risk of this accident in hilly areas.

Model and its Working

When Car passes over this speed breaker then sound will produced due to this sound, the vehicle on the other side will be alert. Same concept will explain on the another side. In this way we can reduced accident.

For this we use the piezo electric plate sensor and buzzer. Buzzer is a sound device. These piezo electric plate sensor is fixed on speed breaker. Due to the pressure of car sound is produce. In this way mechanical vibration is converted into sound vibration.

In this case we use Buzzer. Instead of buzzer we can also use street light. In this case sound is produce due to pressure. But in the case of street light, light will Glow in this way we can reduce accidents in hilly areas.



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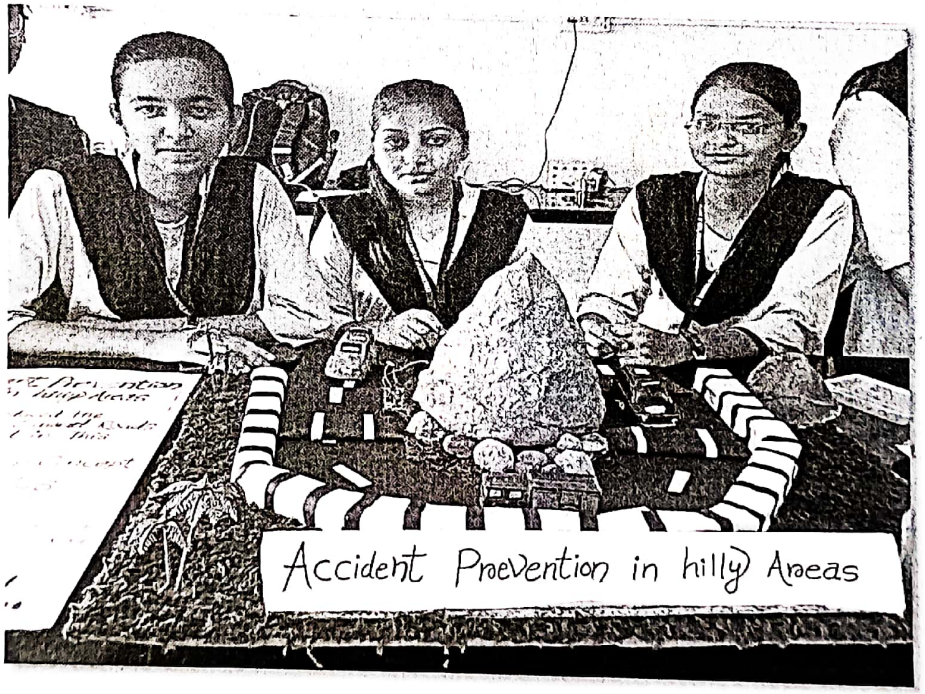
With the help of this model, we can help the people to be alter in hilly areas, to reduce the risk of accidents, to save the lives and tomitigate the risk of injury.

Applications

- By implementing this system we can avoid accident in curved roads, hilly roads and mountain roads.
- Accident rates can be reduced byalerting the driver of vehicle.
- Easily implementable to the prevailing roads.
- The system is fully automatic. i.e. No person is required for handling or operating the system.
- Installation cost is incredibly less.



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