

Batch wise assessment of PBL-I (2023-24)

Div: D

Batch: D1

Name of Faculty: Prof. Kadam K. S.

Group Number	Roll. number	Name of Student	Assessment out of 50					Marks out of	
			Selection of Topic (10)	Presentation (10)	Report Writing (10)	Prototype (10)	Overall Knowledge (10)	25 (TW)	50 (PR)
G-1	401	Kanherkar Suhani C	08	08	08	08	08	20	40
	415	Kawat Pooja Prakash	08	08	08	08	08	20	40
	409	Kasole Shraddha Pralhad	08	08	08	08	08	20	40
	420	Khedkar Pallavi Rajesh	08	08	08	08	08	20	40
G-2	404	Karale Vedant	07	06	06	08	07	17	34
	402	Kapade Aditya	07	06	06	08	07	17	34
	408	Kashid Rohit	07	06	06	08	07	17	34
	457	Mansuke Onkar	07	06	06	08	07	17	34
G-5	407	Kasar Hari Balasaheb	08	06	07	09	07	18	37
	413	Kedare Vedant Sumesh	08	06	07	09	07	18	37
	418	Khatik Nilesh A	08	06	07	09	07	18	37
	419	Khavane Amol R	08	06	07	09	07	18	37
	421	Khedkar Shubham	08	06	07	09	07	18	37



Project Guide
(Prof. Kadam K. S.)



HOD
(Prof. S. M. Markad)

Div: D

Batch: D2

Name of Faculty: Prof. Kadam K. S.

Group Number	Roll. number	Name of Student	Assessment out of 50					Marks out of	
			Selection of Topic (10)	Presentation (10)	Report Writing (10)	Prototype (10)	Overall Knowledge (10)	25 (TW)	50 (PR)
G-1	423	Khilari Aditi Mahesh	08	08	08	08	08	20	40
	425	Kodam Tanvi Naresh	08	08	08	08	08	20	40
	443	Limkar Prerana Rajendra	08	08	08	08	08	20	40
G-2	429	Korade Hrushikesh Eknath	07	06	06	08	07	17	34
	431	Kotkar Nikhil Sandeep	07	06	06	08	07	17	34
	433	Kukade Atharv Prasad	07	06	06	08	07	17	34
	442	Laul Shubham Santosh	07	06	06	08	07	17	34
G-3	434	Kulkarni Krushna Santosh	08	06	07	09	07	18	37
	435	Kulkarni Raghav Abhay	08	06	07	09	07	18	37
	438	Lahoti Shravan Vishalkumar	08	06	07	09	07	18	37
	416	Kharat Siddhant	08	06	07	09	07	18	37
G-4	428	Kolpe Aruna Annasaheb	08	08	08	08	08	20	40
	432	Kotkar Pooja Barku	08	08	09	09	09	21	43
	439	Lamkhede Gayatri Vined	08	08	08	08	08	20	40
	440	Laskare Nisha Bhiku	08	08	08	08	08	20	40
G-5	424	Kobarne Rohit Sanjay	08	02	08	08	02	14	28
	426	Kokane Chetan Rohidas	08	02	08	08	02	14	28
	430	Kothavale Aditya Appasaheb	08	08	08	08	10	21	42
	436	Kulkarni Shrikant Nandkumar	08	02	08	08	02	14	28
	437	Kusundal Omkar Sagar	08	02	08	08	02	14	28

Kadam K. S.

Project Guide
(Prof. Kadam K. S.)

Markad
Head
First Year Engineering

HOD
(Prof. S. M. Markad)

Div: D

Batch: D3

Name of Faculty: Prof. Kadam K. S.

Group Number	Roll number	Name of Student	Assessment out of 50					Marks out of	
			Selection of Topic (10)	Presentation (10)	Report Writing (10)	Prototype (10)	Overall Knowledge (10)	25 (TW)	50 (PR)
G-1	450	Mahadik Aditi	08	08	08	08	09	20	41
	458	Markad Aishwarya	08	08	08	08	09	20	41
G-2	446	Madake Amruta S	08	08	08	08	08	20	40
	447	Madke Madhura S	08	08	08	08	08	20	40
	448	Magar Harshada S	08	08	08	08	08	20	40
	468	Ghule Jayashri N	08	08	08	08	08	20	40
G-3	452	Mallick Ashraf R	08	06	07	09	07	18	37
	456	Mankar Vaibhav Y	08	06	07	09	07	18	37
	453	Mandlik Onkar P	08	06	07	09	07	18	37
	469	Gosavi Dhananjay	08	06	07	09	07	18	37
G-4	460	Meghale Sanket P	07	07	07	07	07	17	35
	463	Mhaske Prem S	07	07	07	07	07	17	35
	466	Mule Parth A	06	06	06	06	06	15	30
	462	Mahankale Shaul S	07	07	07	07	07	17	35
	467	Gagare Aryan	07	07	07	07	07	17	35
G-5	459	Markand Ashwini T	80	80	80	80	80	20	40
	470	Kadnar Rasika R	05	05	05	05	05	13	25

Kadam K. S.

Project Guide
(Prof. Kadam K. S.)

Markad S. M.
First Year Engineering

HOD
(Prof. S. M. Markad)



॥ न हि ज्ञानेन सदृशं पवित्रमिह विद्यते ॥
Dr. Vitthalrao Vikhe Patil Foundation's
Dr. Vitthalrao Vikhe Patil
College of Engineering Ahmednagar



DTE College Code: EN-5163

PBL-I Project Report

Group Number	Roll number	Name of Student	Title of Project
	429	Korde Rushikesh	ENERGY GENERA -TION USING SPEED BREAKER
	431	Kothkar Nikhil	
	433	Kulkarni Atharv	
	442	Laul Shubham	

Aim: TO Study energy generatn using speed breaker

Components/ parts :

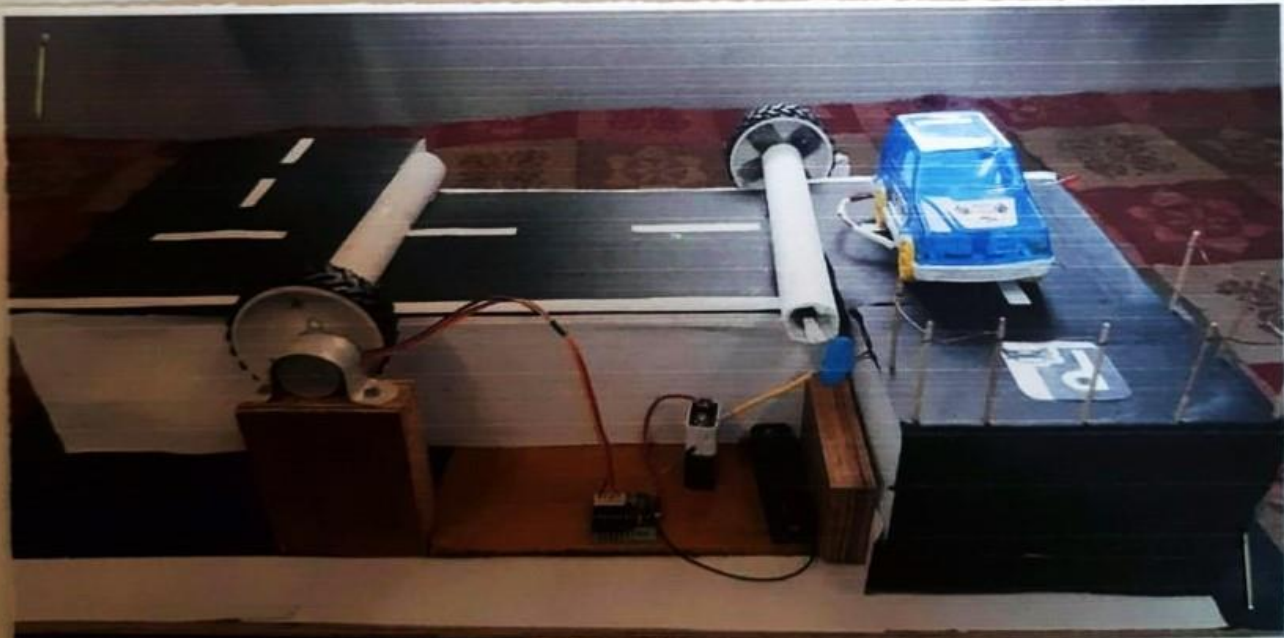
1. Stepper motor (5V DC)
2. Resistance (1k)
3. Transistor
4. Transmitter
5. Led bulb
6. copper wire (25 gauge)
7. IIRF 244N Mosfet
- 8) GCB
- 9) switch
- 10) playwood
- 11) Rechargeable battery (9V)
- 12) PVC pipe

Steps of Preparation of Prototype:

1. first of all bought all electrical appliances.
2. first take a play wood & then place the boxes over the playwood.
- 3) Then we attached a stepper motor to pvc pipe which act as a speed breaker
- 4) Then make the parking set to the last box in which under the box there is wireless power transformer.
- 5) After this take a small car (vehical) to which wireless power reciever is attached with a LED bulb.

- 6) After doing all this connect the whole circuit with the help of rechargeable battery.
- 7) last check that the whole circuit is working properly or stepwise.

Diagram :



Working: IN this project we show speed breaker electricity generator system, in this project when any vehicle cross the speed breaker then speed breaker under body gears parts press, when gear move then dynamo motor connected to gear motor so dynamo motor generate high electricity here and that electricity we can see by LED bulb glowing indication after indication we store that electricity power to battery and use that power to wireless charging station for electric vehicle charging

Applications:

- i) charging station
- ii) Rural electrification.
- iii) street lighting
- iv) Traffic signals

Conclusion:

The use of speed breakers for energy generation offers a unique opportunity to create sustainable & eco-friendly urban environment.



Dr. Vitthalrao Vikhe Patil
PRINCIPAL
Dr. Vitthalrao Vikhe Patil
College of Engineering
Ahmednagar