



**Nehru Education Society**

**Nehru Mahavidyalaya (Arts, Com. & Sci.),  
Nerparsopant, Dist. – Yavatmal**

*Affiliated to*

**Sant Gadge Baba Amravati University, Amravati**



**3<sup>rd</sup> cycle**

**Assessment & Accreditation by NAAC**

**CRITERIA II- Teaching-Learning and Evaluation**

**2.3: Teaching- Learning Process**

**Metric No. – 2.3.1**

**Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools**

|                                                                                   |  |                                          |  |                                                                                     |
|-----------------------------------------------------------------------------------|--|------------------------------------------|--|-------------------------------------------------------------------------------------|
|  |  | Nehru Education Society, Nerparsopant    |  |  |
| <b>NEHRU MAHAVIDYALAYA</b>                                                        |  |                                          |  |                                                                                     |
| * Arts * Commerce * Science                                                       |  |                                          |  |                                                                                     |
| Nerparsopant, Dist.Yavatmal (M.S.) 445102                                         |  |                                          |  |                                                                                     |
| Centre for Graduate, Post Graduate and Research Studies                           |  |                                          |  |                                                                                     |
| <b>PRINCIPAL</b>                                                                  |  | <b>PRESIDENT</b>                         |  |                                                                                     |
| <b>Dr. Ashok N. Bhorjar</b>                                                       |  | <b>Hon. Shri. Parmanandji S. Agrawal</b> |  |                                                                                     |
| M.A. (History), M.Phil., Ph.D.                                                    |  | M.Com.                                   |  |                                                                                     |
| Mob. 9421736793                                                                   |  | Mob. 9421774699                          |  |                                                                                     |

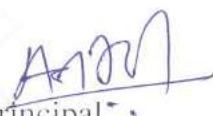
  

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|-------------------|--------------|---------|------------|
| Ref.No.NMV/Sr./J/ | 3141/2023-24 | Date :- | 21/12/2023 |
|-------------------|--------------|---------|------------|

**Declaration**

The information, reports, true copies of the documents, numerical data etc. functional in this file is verified by me and found correct.

  
Principal

Dr. A. N. Bhorjar  
Principal  
Nehru Mahavidyalaya  
[Arts \* Commerce \* Science]  
Nerparsopant Dist.Yavatmal







\* Jr. College No. 082001 \* Sr. College No. 406 \* Email : [nacc406@sgbau.ac.in](mailto:nacc406@sgbau.ac.in) \* [www.nehrumvner.in](http://www.nehrumvner.in)

## Nehru Mahavidyalaya (Arts, Com. & Sci.), Nerparsopant

Organize Online National Level Yoga Workshop Cum Seminar on 22 May 2022 to 28 May 2022, On the Occasion of International Yoga Day 2022 jointly with ARTS AND SCIENCE COLLEGE KURHA, DIST AMRAVATI, S.N. ARTS & U.K. COMM. COLLEGE, AKOLA, SARASWATI KALA MAHAVIDYALAYA, DAHIHANDA, AKOLA, ARTS, COMMERCE COLLEGE, YEODA TA. DARAYAPUR, DIST. AMARAVATI, SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA and SHANKARLAL KHANDELWAL ARTS, SCI. & COMM. COLLEGE, AKOLA.

**NEHRU MAHAVIDYALAYA (ARTS, COMMERCE, SCIENCE) NERPARSOPANT DIST. YAVATAMAL**

== Jointly ==

ARTS AND SCIENCE COLLEGE KURHA, DIST AMRAVATI  
SARASWATI KALA MAHAVIDYALAYA, DAHIHANDA, AKOLA  
SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA

S.N. ARTS & U.K. COMM. COLLEGE, AKOLA  
ARTS, COMMERCE COLLEGE, YEODA TA. DARAYAPUR, DIST. AMARAVATI  
SHANKARLAL KHANDELWAL ARTS, SCI. & COMM. COLLEGE, AKOLA

**Affiliated to Sant Gadge Baba Amravati University, Amravati**

**\*\* COLLABORATION WITH \*\***

**Physical Education Foundation of India & Bruhan Maharashtra Yoga Parishad**

**Organize Online National Level Yoga Workshop Cum Seminar**

(On the Occasion of International Yoga Day 2022)

**THEME :- YOGA THROUGH HOLISTIC HEALTH FOR EVERY INDIVIDUAL IN SOCIETY**

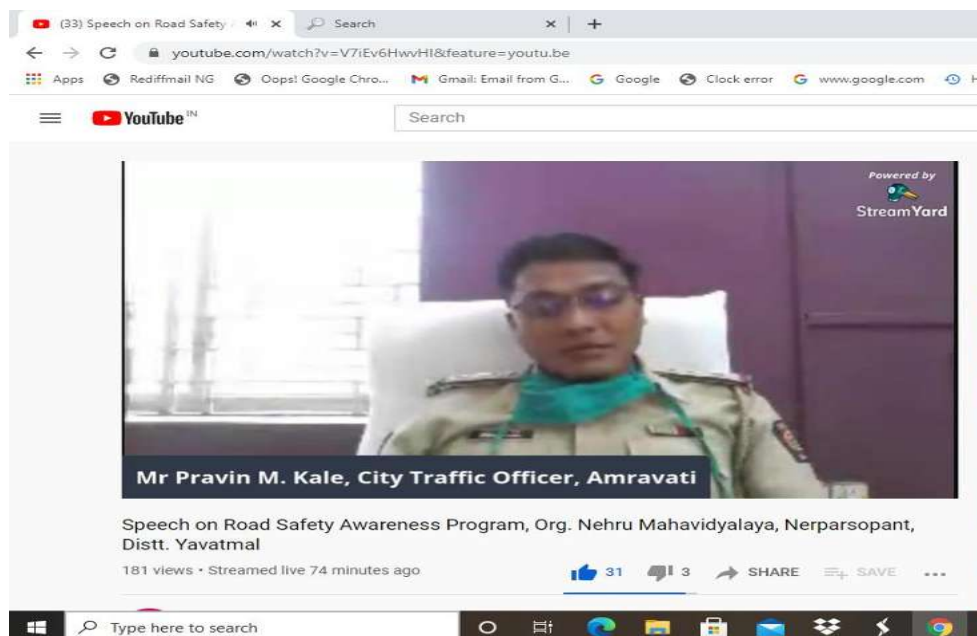
**Date :- 22<sup>nd</sup> May 2022 to 28<sup>th</sup> May 2022**

Department of Physical Education and Sports of 7 colleges affiliated S.G.B.A. University, Amravati is organized 7 days' workshop cum Seminars on "Yoga Through Holistic Health for Every Individual in Society" for faculty, non-teaching staff, students and others. You are cordially invited and requested to register & join for the same on ZOOM and YouTube live Session from 22<sup>nd</sup> May 2022 to 28<sup>th</sup> May 2022 at morning 6:30 am for workshop and 10:00 am for Resource Person's Presentation.

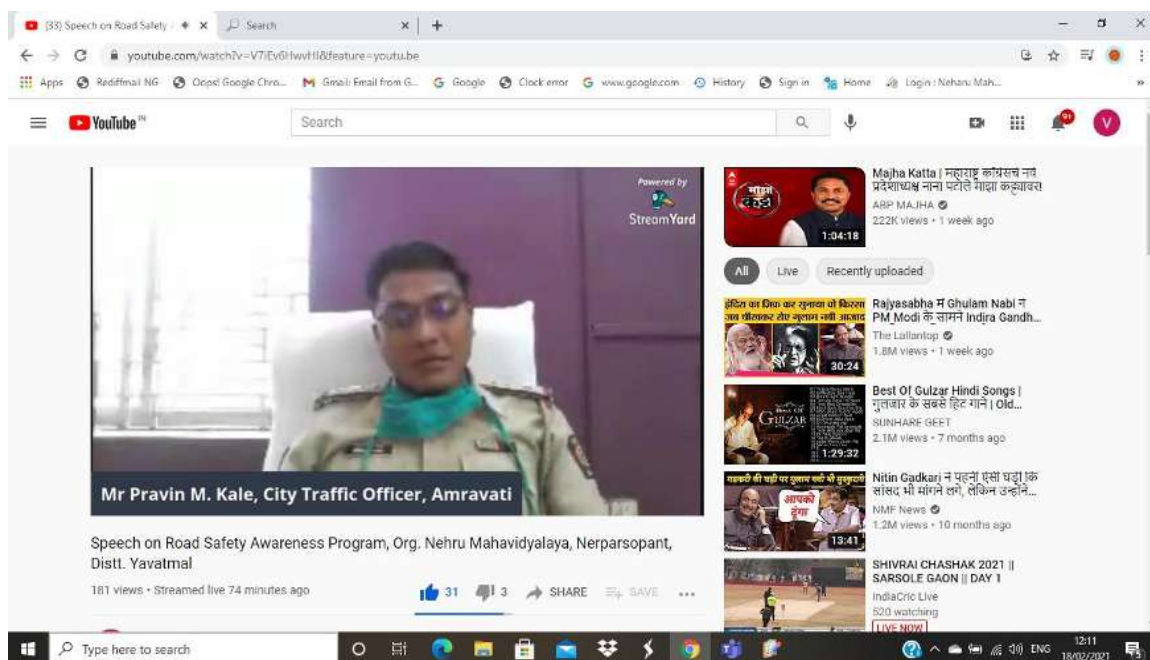
# Nehru Mahavidyalaya (Arts, Com. & Sci.), Nerparsopant

**Sadak Surksha Jeevan Raksha Awareness Programme on the occasion of Road safety week the city traffic officer Amravati delivered a speech in the programme on 18 Feb, 2021 Link-**

**<https://youtu.be/V7iEv6HwvHI>**

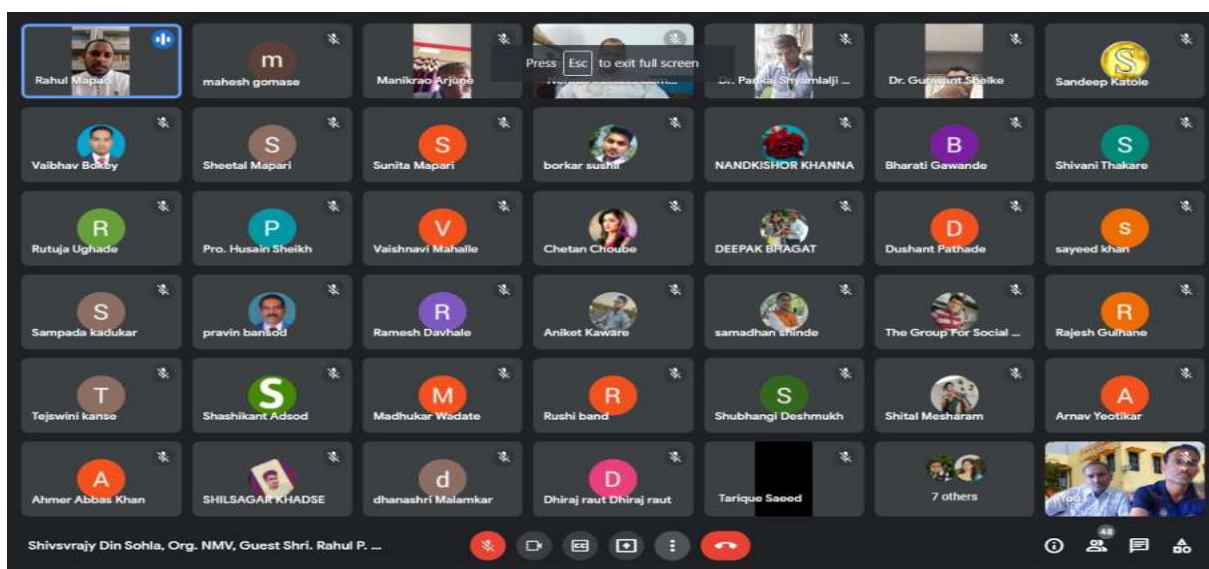


# Nehru Mahavidyalaya (Arts, Com. & Sci.), Nerparsopant

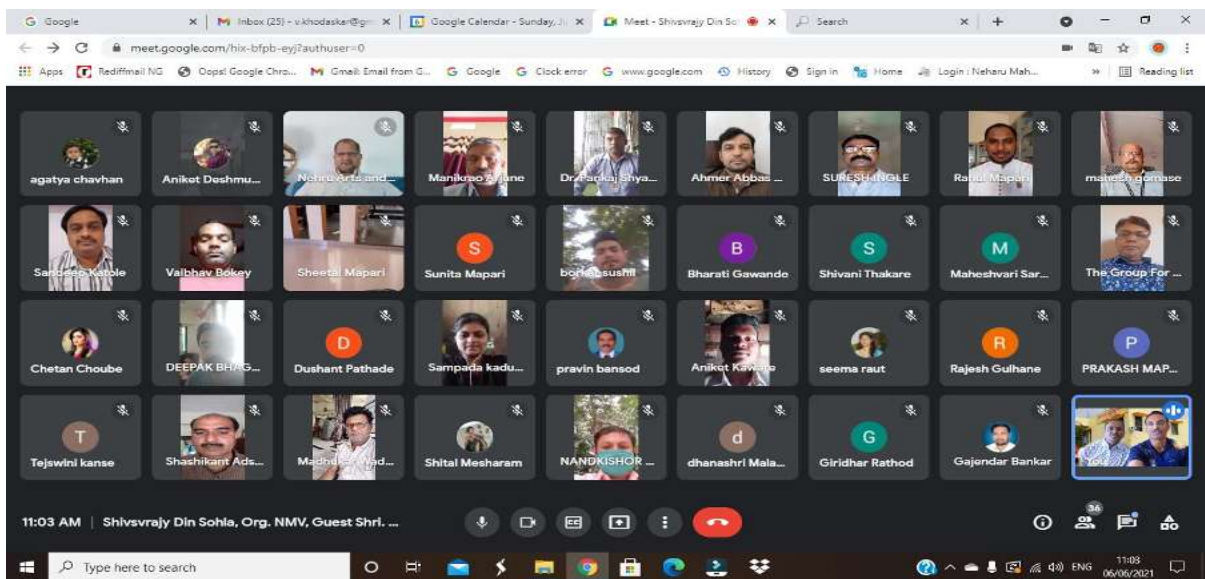


# Nehru Mahavidyalaya (Arts, Com. & Sci.), Nerparsopant

Shivraj Din Sohla - Guest Rahul Mapari date:- 6/6/2021

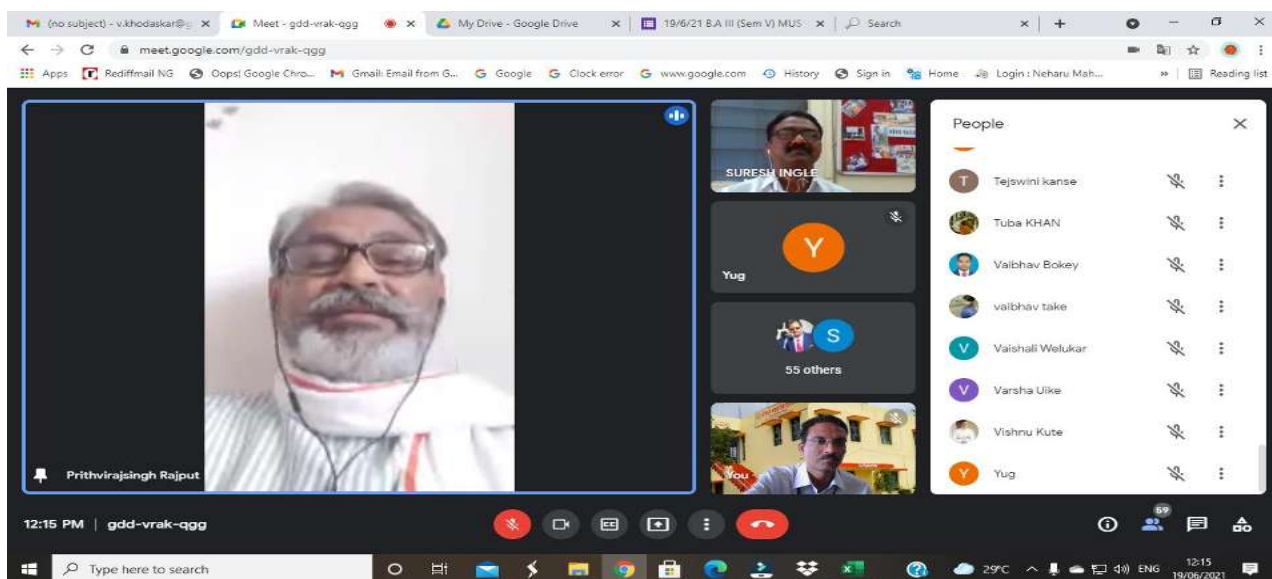
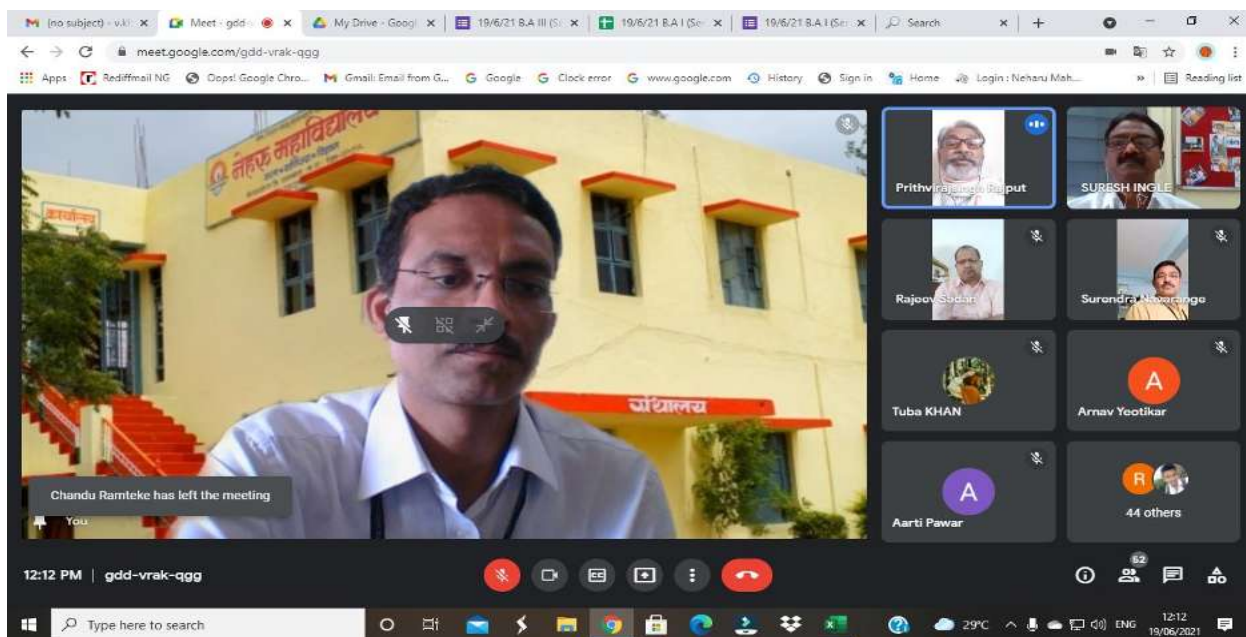


# Nehru Mahavidyalaya (Arts, Com. & Sci.), Nerparsopant

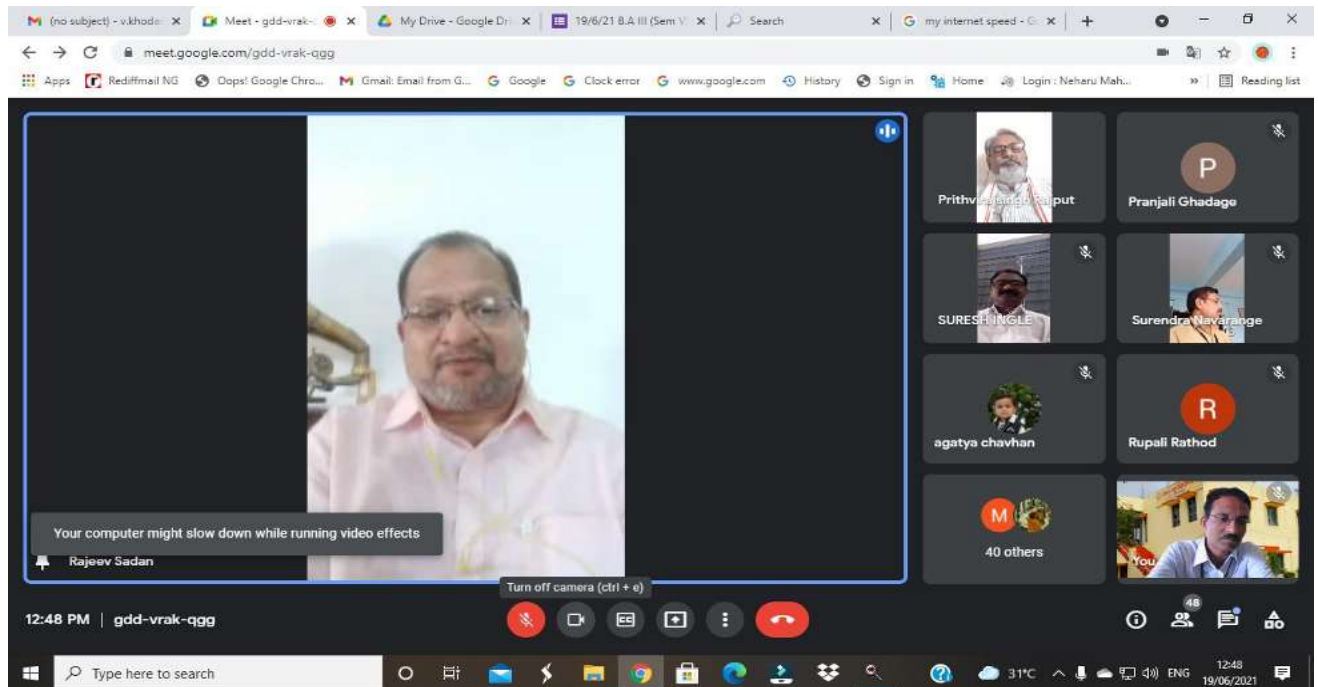
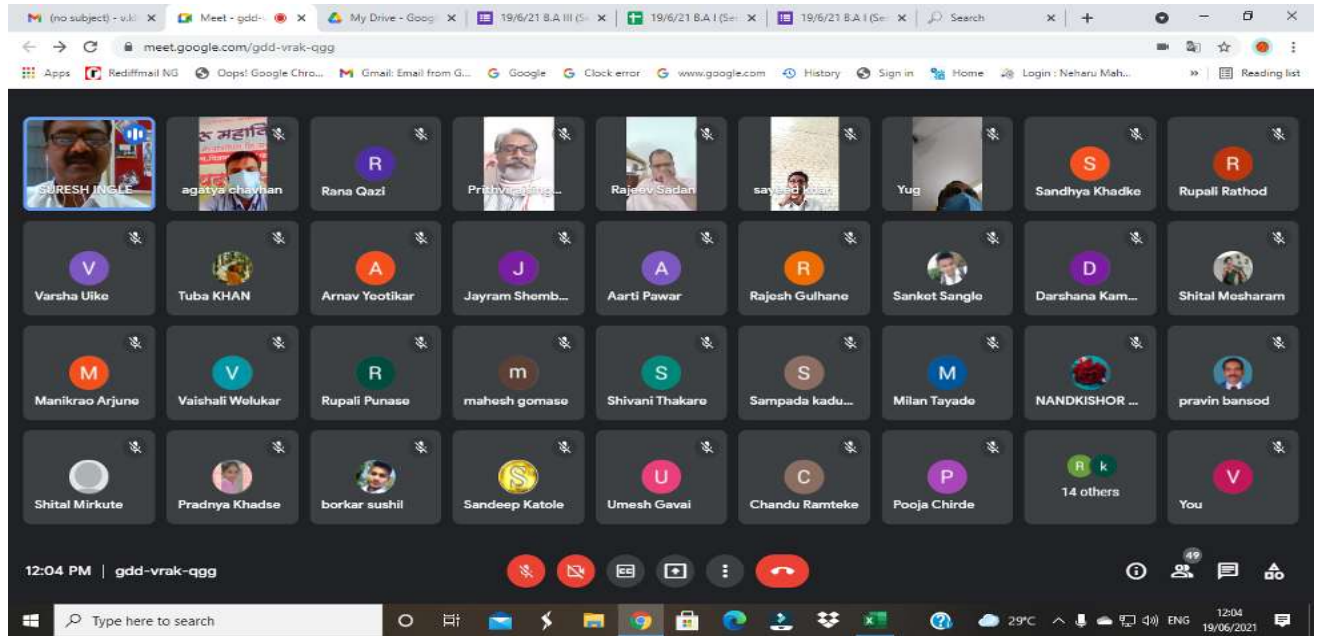


# Nehru Mahavidyalaya (Arts, Com. & Sci.), Nerparsopant

Vachan Din Guest- P.R. Rajput Sir on 19/6/2021



# Nehru Mahavidyalaya (Arts, Com. & Sci.), Nerparsopant



This Project Was Presented at University Level AVISHKAR-2019-20  
Competition OF SGBAU Amravati.

## COMBO WEEDER MACHINE FOR AGRICULTURE WEED CONTROL

### Introduction

- In India maximum population is totally based on agriculture.
- Major reason for lack of agriculture productivity is weeds.
- The losses caused by weeds are larger than agriculture pests.
- Majority of farmer used hand hoe technique for weeding which required 40-60 labors per hector.

There are four different weed control methods in Indian agriculture:

- A) Chemical weed control Method B) Mechanical weed control Method  
C) Biological weed control Method D) Manual weed control Method

### Objectives

- To minimize the efforts of farmer for weeding.
- To minimize the cost of weeding.
- To minimize the Labour force.
- To save time and money.
- To reduce environment degradation and pollution cause by chemical.

### Construction

- The two stroke engine is placed on iron frame.
- The tyre wheel attached to the other end of frame.
- Wheel of engine connected to the tyre wheel with the help of chain.
- Accelerator cable is attached to the handle for comfort to operator.

### Working

- The weeder machine is operate on petrol.
- After start of machine the engine wheel accelerate the tyre wheel.
- So, weeder machine move in forward direction.
- Blade is useful for weeding.

### Picture of Weeding machine



### Cost summary of combo weeder machine:

| Sr. No. | Particulars                      | Cost (Rs.) |
|---------|----------------------------------|------------|
| 1.      | Two stroke pull start engine     | 1000/-     |
| 2.      | Tyre                             | 100/-      |
| 3.      | Chain wheel sprocket             | 200/-      |
| 4.      | Clutch shoe holder               | 400/-      |
| 5.      | Front wheel ring                 | 200/-      |
| 6.      | Fuel pipe                        | 50/-       |
| 7.      | Mild steel frame                 | 400/-      |
| 8.      | Fuel tank (water bottle is used) | 200/-      |
| 9.      | Accelerator cable frame          | 50/-       |
|         | Total Cost                       | 3050/-     |

### Comparison of weeder machine on basis of cost

| Sr. No. | Machine                         | Cost     |
|---------|---------------------------------|----------|
| 1.      | Honda-F700 Rotary Tiller        | 44,000/- |
| 2.      | Mahindra Mini Cultivator/Tiller | 31,000/- |
| 3.      | STIHL-FS-120                    | 26,000/- |
| 4.      | Neptun Patrol                   | 14,000/- |
| 5.      | Turner 4 Stroke Brush Cutter    | 14,000/- |
| 6.      | Agriculture Mini Power Tiller   | 11,000/- |
| 7.      | Combo Weeder Machine            | 3,050/-  |

### Conclusion

- Weed removing machine is moderation in the agricultural field.
- One person can efficiently operate this weeding machine.
- It takes less weeding time compare to the manual weeding time.
- Deeper working depth and slow travel speed is achieved for good weed control.

### Scope

- Probably storage of fuel energy within the system by increasing the size of the fuel tank and balance the fuel tank location.
- The blade adjustment for different crops should be modified.

### References

- 1) H. Chinsaka, et. al. (1977), Integrated control of weeds, Univ. of Tokyo Press, Tokyo, Japan, 1-4.
- 2) P. K. Nig, et. al. (1979), Journal of Human Ergonomics, 13(2).
- 3) G. Singh, et. al. (1988), Agriculture Mechanism in Asia, Africa and Latin America.
- 4) A. K. Gupta, et. al. (1990), Proceedings of the second international weed control congress, Copenhagen, Denmark, Vol. 1-4, 715-719.
- 5) L. P. Gite, et. al. Ergonomics, 33(12), 1487-1494.

**ICT Classroom**



