



**Janata Shikshan Sanstha's**  
**KISAN VEER MAHAVIDYALAYA, WAI**  
**DEPARTMENT OF PHYSICS**



*“Certificate Course in Repair and Maintenance of Electronic Household  
Products”*

**Course Report 2022-23**

The department of Physics had decided to conduct a certificate course in departmental meeting. The title of the course is *“Certificate Course in Repair and Maintenance of Electronic Household Products”* was finalized. The notification, advertisement and brochure of the course were uploaded on the college website. The course was started on 24<sup>th</sup> February 2023. The time-table was displayed on the notice board of department.

35 students were admitted for the said course. Regular lectures and practical's were conducted according to the time-table. Examination of the said course was conducted and certificates were issued to all passed students. Students gained the knowledge about basic concepts of electronics and got hands on training on repairing domestic electronic appliances. This course developed the ability and enhanced the skills among students to resolve different electronics problems. The staff, administration of the college and specially Hon. Principal supported a lot.

The record of the course has maintained in the department. One copy had given to IQAC cell and same had been uploaded on college website.

*CB*

Course coordinator

Department of Physics

*H. K. K. K.*

Head

Department of Physics  
**Head**  
Department Of Physics  
Kisan Veer Mahavidyalaya, Wai

*G. G. G.*

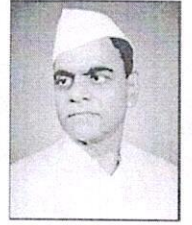
Principal

Kisan Veer Mahavidyalaya, Wai  
**PRINCIPAL**  
KISAN VEER MAHAVIDYALAYA  
Wai, Dist. Satara





**Janata Shikshan Sanstha's**  
**KISAN VEER MAHAVIDYALAYA, WAI**  
**DEPARTMENT OF PHYSICS**



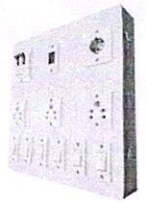
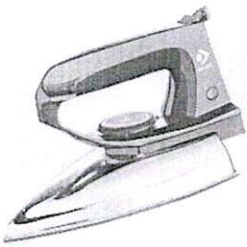
***"Certificate Course in Repair and Maintenance of Electronic Household Products"***

**Eligibility: B.Sc. Part II and III (Physics)**

**Duration: 3 Months**

**Objectives:**

- To understand the basic concepts of electronics
- To create an awareness of the importance of understanding electronics in home appliances
- To generate the ability and skills to repair various home appliances
- To develop the ability to resolve electrical wiring problems.
- To guide students for self-employment



**Contact**

**Prof. G. S. Babar**  
**(Course Coordinator)**  
**Asst. Professor**  
**Mob. 8805270716**

**Prof. A. D. Bhosale**  
**(Course Co-coordinator)**  
**Asst. Professor**  
**Mob. 8975711080**

**Dr. H. D. Kanase**  
**Head**  
**Department of Physics**  
**Mob. 9922010210**



Department of Physics  
Kisan Veer Mahavidyalaya, Wai  
Date: - 21<sup>st</sup> February, 2023

### Notice

All students from **B.Sc. Part II and III Physics** are hereby informed that "*Certificate Course in Repair and Maintenance of Electronic Household Products*" will start from **24<sup>th</sup> February 2023**. It is noted that this course is mandatory for partial fulfillment of award of degree in physics.

- Theory Time Table

Time	Friday	Saturday
02:00 to 03:00	GSB (Theory)	ADB (Theory)

- Time Table for Practical

Time	Friday	Saturday
02:00 to 05:00	ADB (Practical)	GSB (Practical)

NOTE: - 1. Theory and Practical will be started from 24<sup>th</sup> February 2023

2. Each theory lecture will be of 1 clock hour.

3. Each practical will be of 3 clock hour.

GB

Course Coordinator

Department of Physics

Apurva  
Head

Department of Physics

**Head**  
**Department Of Physics**  
**Kisan Veer Mahavidyalaya, Wai**



# Syllabus

## 1. Introduction of course

Knowledge regarding use of different home appliances and course outcomes and objectives

## 2. Introduction of electronic components

Study of different electronic components viz. Resistors, Diodes, Capacitors, Transistors, IC's, Switches, Sockets

## 3. Symbols used for electronic components

Resistors, Diodes, Capacitors, Transistors, IC's, Switches, Sockets

## 4. Tracing of circuit

Tracing of circuit from different PCB's

## 5. Building of circuits

Building of circuits on bread board, silicon board (soldering - desoldering methods)

## 6. Use of multimeter

Measurements of values of voltage, current, resistances, continuity testing.

## 7. Study of Home Appliances

- 1) Iron: - Parts of iron, coil testing, fault finding & remedies.
- 2) Electrical Heating coil: - Part of electrical heating coil, continuity testing, fault finding and remedies.
- 3) Mixer or food processor :-
- 4) Electrical doorbell: - Parts of bell, sound coil testing, continuity testing, fault finding and remedies.
- 5) Electrical wiring in home :- 3 switches, 3 socket board making.

Course co-ordinator  
Department of Physics

Head  
Department of Physics  
Kisan Veer Mahavidyalaya, Wai

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Wai, Dist. Satara



Janata Shikshan Sanstha's  
**KISAN VEER MAHAVIDYALAYA, WAI**  
DEPARTMENT OF PHYSICS

**Student List for Certificate Course in Repair and Maintenance of  
Electronic Household Products 2022-23**

Sr. No.	Class	Roll No.	Name of the Student
1	B.Sc. II	5	KUMBHAR AVISHKAR HANMANT
2	B.Sc. II	6	WAGHAMARE MAYUR RAVINDRA
3	B.Sc. II	7	ADITYA SHASHIKANT JAYKAR
4	B.Sc. II	8	SALUNKHE SHRUTI ANNA
5	B.Sc. II	11	LAKKEBAILKAR KEDAR ARJUN
6	B.Sc. II	12	CHAVAN ASHITOSH PRALHAD
7	B.Sc. II	45	BABAR ANISHA ANIL
8	B.Sc. II	46	BOKHARE RUCHA SHARAD
9	B.Sc. II	47	NIKAM SAMRUDDHI SANDIP
10	B.Sc. II	48	YADAV PRATIK DATTATRAY
11	B.Sc. II	59	DABHADE SIDDHESH RAMESH
12	B.Sc. II	60	BHILARE AMIT SHANTARAM
13	B.Sc. II	61	GAIKWAD ARATI AJAY
14	B.Sc. II	62	DHEKANE PRANAY JANARDAN
15	B.Sc. II	81	JADHAV SHREYAS ANIL
16	B.Sc. II	99	SAWANT SHREYASH AMOL
17	B.Sc. II	102	LAKHE HRISHIKESH YASHWANT
18	B.Sc. II	109	KADAM RUTUJA UMESH
19	B.Sc. II	114	PISAL SAI KRUSHNA
20	B.Sc. II	115	NIKAM ASHISH SANJAY
21	B.Sc. II	116	JADHAV PRATHMESH NAVNATH
22	B.Sc. II	117	JADHAV KEDAR UMESH
23	B.Sc. II	118	CHAVAN SHIVAM VIJAY
24	B.Sc. II	119	KADAM ABHISHEK SANJAY
25	B.Sc. II	120	DESHMUKH DINESH SUDESH
26	B.Sc. II	123	PISAL DHAIRYASHEEL SANJAY
27	B.Sc. III	200	KADAM CHUNESHWAR VASANT
28	B.Sc. III	29	YAMGAR PRANAV PRAVEEN
29	B.Sc. III	33	PAWAR KARAN NARAYAN



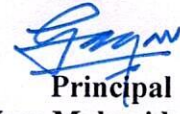
30	B.Sc. III	51	YADAV PRANOTI MOHAN
31	B.Sc. III	52	PATODE PRATHMESH DINESH
32	B.Sc. III	65	CHAVAN SIDDHI SANTOSH
33	B.Sc. III	69	KUMBHAR SANIKA TUKARAM
34	B.Sc. III	93	SHINDE MAYUR SUNIL
35	B.Sc. III	101	POL AKASH VINOD

CB

Course co-ordinator  
Department of Physics



Head  
Department of Physics  
Head  
Department of Physics  
Kisan Veer Mahavidyalaya, Wai



Principal  
Kisan Veer Mahavidyalaya, Wai  
PRINCIPAL  
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Kisan Veer Mahavidyalaya, Wai

Department of Physics

"CERTIFICATE COURSE IN REPAIR AND MAINTENANCE OF ELECTRONIC HOUSEHOLD PRODUCTS"

Attendance (2022-23)

Sr.No.	Roll No.	Name of Student	24/02/23	25/02/23	02/03/23	03/03/23	10/03/23	11/03/23	16/03/23	17/03/23
1	5	KUMBHAR AVISHKAR HANMANT	K.A.H	K.A.H	K.A.H	K.A.H	K.A.H	K.A.H	K.A.H	K.A.H
2	6	WAGHAMARE MAYUR RAVINDRA	MRW	MRW	MRW	MRW	MRW	MRW	MRW	MRW
3	7	ADITYA SHASHIKANT JAYKAR	ASJ	ASJ	ASJ	ASJ	ASJ	ASJ	ASJ	ASJ
4	8	SALUNKHE SHRUTI ANNA	SAS	SAS	SAS	SAS	SAS	SAS	SAS	SAS
5	11	LAKKEBAILKAR KEDAR ARJUN	KAL...	KAL...	KAL...	KAL...	KAL...	KAL...	KAL...	KAL...
6	12	CHAVAN ASHITOSH PRALHAD	CHAVAN A	CHAVAN A	CHAVAN A	CHAVAN A	CHAVAN A	CHAVAN A	CHAVAN A	CHAVAN A
7	45	BABAR ANISHA ANIL	A.A. Babar	A.A. Babar	A.A. Babar	A.A. Babar	A.A. Babar	A.A. Babar	A.A. Babar	A.A. Babar
8	46	BOKHARE RUCHA SHARAD	RBokhate	RBokhate	RBokhate	RBokhate	RBokhate	RBokhate	RBokhate	RBokhate
9	47	NIKAM SAMRUDDHI SANDIP	SNikam	SNikam	SNikam	SNikam	SNikam	SNikam	SNikam	SNikam
10	48	YADAV PRATIK DATTATRAY	YADAV PD	YADAV PD	YADAV PD	YADAV PD	YADAV PD	YADAV PD	YADAV PD	YADAV PD
11	59	DABHADE SIDDHESH RAMESH	Siddhesh	Siddhesh	Siddhesh	Siddhesh	Siddhesh	Siddhesh	Siddhesh	Siddhesh
12	60	BHILARE AMIT SHANTARAM	ABhilare	ABhilare	ABhilare	ABhilare	ABhilare	ABhilare	ABhilare	ABhilare
13	61	GAIKWAD ARATI AJAY	AGaikwad	AGaikwad	AGaikwad	AGaikwad	AGaikwad	AGaikwad	AGaikwad	AGaikwad
14	62	DHEKANE PRANAY JANARDAN	Pranay	Pranay	Pranay	Pranay	Pranay	Pranay	Pranay	Pranay
15	81	JADHAV SHREYAS ANIL	Jadhav's A	Jadhav's A	Jadhav's A	Jadhav's A	Jadhav's A	Jadhav's A	Jadhav's A	Jadhav's A



16	99	SAWANT SHREYASH AMOL	Shreyash	Shreyash	Shreyash	Shreyash	Shreyash	Shreyash	Shreyash	Shreyash	Shreyash
17	102	LAKHE HRISHIKESH YASHWANT	Hakhe	Hakhe	Hakhe	Hakhe	Hakhe	Hakhe	Hakhe	Hakhe	Hakhe
18	109	KADAM RUTUJA UMESH	R.U.Kadam	R.U.Kadam	R.U.Kadam	R.U.Kadam	R.U.Kadam	R.U.Kadam	R.U.Kadam	R.U.Kadam	R.U.Kadam
19	114	PISAL SAI KRUSHNA	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal
20	115	NIKAM ASHISH SANJAY	Ashish	Ashish...	Ashish...	Ashish...	Ashish...	Ashish...	Ashish...	Ashish...	Ashish...
21	116	JADHAV PRATHMESH NAVNATH	PNT	PNT	PNT	PNT	PNT	PNT	PNT	PNT	PNT
22	117	JADHAV KEDAR UMESH	KJ	KJ	KJ	KJ	KJ	KJ	KJ	KJ	KJ
23	118	CHAVAN SHIVAM VIJAY	SVC	SVC	SVC	SVC	SVC	SVC	SVC	SVC	SVC
24	119	KADAM ABHISHEK SANJAY	ASK	ASK	ASK	ASK	ASK	ASK	ASK	ASK	ASK
25	120	DESHMUKH DINESH SUDESH	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh
26	123	PISAL DHAIRYASHEEL SANJAY	D.S.P	D.S.P	D.S.P	D.S.P	D.S.P	D.S.P	D.S.P	D.S.P	D.S.P
27	200	KADAM CHUNESHWAR VASANT	Chadam	Chadam	Chadam	Chadam	Chadam	Chadam	Chadam	Chadam	Chadam
28	29	YAMGAR PRANAV PRAVEEN	P.Yamgar	P.Yamgar	P.Yamgar	P.Yamgar	P.Yamgar	P.Yamgar	P.Yamgar	P.Yamgar	P.Yamgar
29	33	PAWAR KARAN NARAYAN	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar
30	51	YADAV PRANOTI MOHAN	P.M.Y	P.M.Y	P.M.Y	P.M.Y	P.M.Y	P.M.Y	P.M.Y	P.M.Y	P.M.Y
31	52	PATODE PRATHMESH DINESH	Pratham	Pratham	Pratham	Pratham	Pratham	Pratham	Pratham	Pratham	Pratham
32	65	CHAVAN SIDDHI SANTOSH	Siddhi	Siddhi	Siddhi	Siddhi	Siddhi	Siddhi	Siddhi	Siddhi	Siddhi
33	69	KUMBHAR SANIKA TUKARAM	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar
34	93	SHINDE MAYUR SUNIL	MS	MS	MS	MS	MS	MS	MS	MS	MS
35	101	POL AKASH VINOD	A.V.Pol	A.V.Pol	A.V.Pol	A.V.Pol	A.V.Pol	A.V.Pol	A.V.Pol	A.V.Pol	A.V.Pol





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Kisan Veer Mahavidyalaya, Wai  
Department of Physics

"CERTIFICATE COURSE IN REPAIR AND MAINTENANCE OF ELECTRONIC HOUSEHOLD PRODUCTS"  
Attendance (2022-23)

Sr.No.	Roll No.	Name of Student	24/03/23	25/03/23	31/03/23	8/04/23	13/04/23	15/04/23	20/04/23	29/04/23
1	5	KUMBHAR AVISHKAR HANMANT	K.A.H	K.A.H	K.A.H	K.A.H	Ab	K.A.H	K.A.H	K.A.H
2	6	WAGHAMARE MAYUR RAVINDRA	<del>M.R.W</del>	<del>M.R.W</del>	<del>M.R.W</del>	<del>M.R.W</del>	<del>M.R.W</del>	<del>M.R.W</del>	Ab	<del>M.R.W</del>
3	7	ADITYA SHASHIKANT JAYKAR	ASJ	ASJ	ASJ	ASJ	Ab	ASJ	ASJ	ASJ
4	8	SALUNKHE SHRUTI ANNA	<del>SAS</del>	<del>SAS</del>	<del>SAS</del>	Ab	<del>SAS</del>	<del>SAS</del>	<del>SAS</del>	<del>SAS</del>
5	11	LAKKEBAILKAR KEDAR ARJUN	KAL...	KAL...	KAL...	KAL...	KAL...	KAL...	Ab	KAL...
6	12	CHAVAN ASHITOSH PRALHAD	CHAVANA	CHAVANA	CHAVANA	CHAVANA	Ab	CHAVANA	Ab	CHAVANA
7	45	BABAR ANISHA ANIL	A.A.Babar	A.A.Babar	A.A.Babar	A.A.Babar	A.A.Babar	Ab	A.A.Babar	A.A.Babar
8	46	BOKHARE RUCHA SHARAD	<del>P.Bhokare</del>	<del>P.Bhokare</del>	Ab	<del>P.Bhokare</del>	<del>P.Bhokare</del>	<del>P.Bhokare</del>	<del>P.Bhokare</del>	<del>P.Bhokare</del>
9	47	NIKAM SAMRUDDHI SANDIP	SNikam	SNikam	SNikam	Ab	SNikam	SNikam	SNikam	SNikam
10	48	YADAV PRATIK DATTATRAY	YADAVPD	YADAVPD	YADAVPD	YADAVPD	Ab	Ab	YADAVPD	YADAVPD
11	59	DABHADE SIDDHESH RAMESH	<del>Siddesh</del>	<del>Siddesh</del>	Ab	<del>Siddesh</del>	Ab	<del>Siddesh</del>	Ab	<del>Siddesh</del>
12	60	BHILARE AMIT SHANTARAM	ASBhilare	ASBhilare	ASBhilare	Ab	ASBhilare	ASBhilare	Ab	ASBhilare
13	61	GAIKWAD ARATI AJAY	AGaikwad	Ab	AGaikwad	Ab	AGaikwad	Ab	AGaikwad	AGaikwad
14	62	DHEKANE PRANAY JANARDAN	<del>Pranay</del>	<del>Pranay</del>	Ab	<del>Pranay</del>	Ab	Ab	<del>Pranay</del>	<del>Pranay</del>
15	81	JADHAV SHREYAS ANIL	JadhavsA	JadhavsA	JadhavsA	Ab	JadhavsA	Ab	JadhavsA	JadhavsA



16	99	SAWANT SHREYASH AMOL	Shreyash	Shreyesh	Shreyash	Ab	Shreyash	Shreyash	Shreyash	Shreyash
17	102	LAKHE HRISHIKESH YASHWANT	Hakhe	Hakhe	Ab	Hakhe	Hakhe	Ab	Hakhe	Hakhe
18	109	KADAM RUTUJA UMESH	R.U.Kadam	R.U.Kadam	R.U.Kadam	R.U.Kadam	R.U.Kadam	Ab	R.U.Kadam	R.U.Kadam
19	114	PISAL SAI KRUSHNA	Spisal	Spisal	Spisal	Ab	Spisal	Spisal	Spisal	Spisal
20	115	NIKAM ASHISH SANJAY	Ab	Ashish	Ab	Ashish	Ab	Ashish	Ashish	Ashish
21	116	JADHAV PRATHMESH NAVNATH	PNJ	PNJ	PNJ	PNJ	PNJ	PNJ	PNJ	PNJ
22	117	JADHAV KEDAR UMESH	KJ	KJ	KJ	KJ	KJ	KJ	KJ	Ab
23	118	CHAVAN SHIVAM VIJAY	SVC	SVC	SVC	SVC	SVC	SVC	SVC	SVC
24	119	KADAM ABHISHEK SANJAY	ASK	ASK	Ab	ASK	Ab	ASK	Ab	ASK
25	120	DESHMUKH DINESH SUDESH	Dinesh	Dinesh	Dinesh	Ab	Dinesh	Ab	Dinesh	Dinesh
26	123	PISAL DHAIRYASHEEL SANJAY	D.S.P.	D.S.P.	D.S.P.	D.S.P.	D.S.P.	R.S.P.	D.S.P.	Ab
27	200	KADAM CHUNESHWAR VASANT	Chadom	Chadom	Chadom	Chadom	Chadom	Chadom	Chadom	Chadom
28	29	YAMGAR PRANAV PRAVEEN	P.Yagman	P.Yagman	P.Yagman	Ab	P.Yagman	P.Yagman	Ab	P.Yagman
29	33	PAWAR KARAN NARAYAN	Ab	Pravar	Ab	Pravar	Ab	Pravar	Pravar	Pravar
30	51	YADAV PRANOTI MOHAN	P.M.Y	P.M.Y	P.M.Y	P.M.Y	D.M.Y	P.M.Y	Ab	P.M.Y
31	52	PATODE PRATHMESH DINESH	Pratham	Pratham	Pratham	Ab	Pratham	Ab	Pratham	Ab
32	65	CHAVAN SIDDHI SANTOSH	Siddhi	Ab	Siddhi	Siddhi	Ab	Siddhi	Ab	Siddhi
33	69	KUMBHAR SANIKA TUKARAM	Ab	Skumbhar	Skumbhar	Skumbhar	Ab	Skumbhar	Ab	Skumbhar
34	93	SHINDE MAYUR SUNIL	MS	MS	MS	Ab	MS	Ab	MS	MS
35	101	POL AKASH VINOD	A.V.Pol	A.V.Pol	A.V.Pol	A.V.Pol	A.V.Pol	Ab	A.V.Pol	Ab



Janata Shikshan Sanstha's

## Kisan Veer Mahavidyalaya, Wai

Department of Physics

"CERTIFICATE COURSE IN REPAIR AND MAINTENANCE OF ELECTRONIC HOUSEHOLD PRODUCTS"

PRACTICAL ATTENDANCE (2022-23)

Sr.No.	Roll No.	Name of Student	4/03/23	9/03/23	18/03/23	23/03/23
1	5	KUMBHAR AVISHKAR HANMANT	K.A.H	K.A.H	AB	K.A.H
2	6	WAGHAMARE MAYUR RAVINDRA	<del>MRW</del>	AB	<del>MRW</del>	<del>MRW</del>
3	7	ADITYA SHASHIKANT JAYKAR	AST	AST	AST	AB
4	8	SALUNKHE SHRUTI ANNA	AB	<del>SAS</del>	<del>SAS</del>	<del>SAS</del>
5	11	LAKKEBAILKAR KEDAR ARJUN	KAL....	KAL....	AB	KAL....
6	12	CHAVAN ASHITOSH PRALHAD	CHAVANA	CHAVANA	CHAVANA	CHAVANA
7	45	BABAR ANISHA ANIL	A.A.Babar	AB	A.A.Babar	AB
8	46	BOKHARE RUCHA SHARAD	<del>RBhokhar</del>	<del>RBhokhar</del>	<del>RBhokhar</del>	<del>RBhokhar</del>
9	47	NIKAM SAMRUDDHI SANDIP	AB	SNikam	SNikam	SNikam
10	48	YADAV PRATIK DATTATRAY	YADAV PD	YADAV PD	AB	YADAV PD
11	59	DABHADE SIDDHESH RAMESH	Siddhesh	siddhesh	Siddhesh	siddhesh
12	60	BHILARE AMIT SHANTARAM	<del>ASBhilare</del>	<del>ASBhilare</del>	<del>ASBhilare</del>	AB
13	61	GAIKWAD ARATI AJAY	AGaikwad	AB	AGaikwad	AGaikwad
14	62	DHEKANE PRANAY JANARDAN	<del>Pranay</del>	Pranay	Pranay	Pranay
15	81	JADHAV SHREYAS ANIL	AB	Jadhav SA	AB	Jadhav SA



16	99	SAWANT SHREYASH AMOL	AB	Shreyash	Shreyash	AB
17	102	LAKHE HRISHIKESH YASHWANT	<del>HLakhe</del>	<del>HLakhe</del>	AB	<del>HLakhe</del>
18	109	KADAM RUTUJA UMESH	R.U.Kadam	AB	R.U.Kadam	R.U.Kadam
19	114	PISAL SAI KRUSHNA	<del>SPisal</del>	<del>SPisal</del>	<del>SPisal</del>	<del>SPisal</del>
20	115	NIKAM ASHISH SANJAY	<del>Ashish</del>	<del>Ashish</del>	AB	<del>Ashish</del>
21	116	JADHAV PRATHMESH NAVNATH	<del>PNJ</del>	AB	<del>PNJ</del>	<del>PNJ</del>
22	117	JADHAV KEDAR UMESH	KJ	KJ	KJ	AB
23	118	CHAVAN SHIVAM VIJAY	AB	<del>SVC</del>	<del>SVC</del>	<del>SVC</del>
24	119	KADAM ABHISHEK SANJAY	<del>ASK</del>	<del>ASK</del>	<del>ASK</del>	<del>ASK</del>
25	120	DESHMUKH DINESH SUDESH	Dinesh	<del>Dinesh</del>	AB	Dinesh
26	123	PISAL DHAIRYASHEEL SANJAY	D.S.P	D.S.P	D.S.P.	D.S.P.
27	200	KADAM CHUNESHWAR VASANT	<del>ckadam</del>	<del>ckadam</del>	<del>ckadam</del>	AB
28	29	YAMGAR PRANAV PRAVEEN	AB	P.Yamgar	P.Yamgar	P.Yamgar
29	33	PAWAR KARAN NARAYAN	<del>PKawar</del>	<del>PKawar</del>	AB	<del>PKawar</del>
30	51	YADAV PRANOTI MOHAN	<del>P.M.Y</del>	AB	<del>P.M.Y</del>	<del>P.M.Y</del>
31	52	PATODE PRATHMESH DINESH	<del>Pratham</del>	<del>Pratham</del>	<del>Pratham</del>	<del>Pratham</del>
32	65	CHAVAN SIDDHI SANTOSH	<del>Siddhi</del>	<del>Siddhi</del>	AB	AB
33	69	KUMBHAR SANIKA TUKARAM	AB	<del>Skumbhar</del>	<del>Skumbhar</del>	<del>Skumbhar</del>
34	93	SHINDE MAYUR SUNIL	<del>MS</del>	<del>MS</del>	<del>MS</del>	<del>MS</del>
35	101	POL AKASH VINOD	A.V.Pol	AB	A.V.Pol	A.V.Pol



Janata Shikshan Sanstha's

## Kisan Veer Mahavidyalaya, Wai

Department of Physics

"CERTIFICATE COURSE IN REPAIR AND MAINTENANCE OF ELECTRONIC HOUSEHOLD PRODUCTS"

PRACTICAL ATTENDANCE (2022-23)

Sr.No.	Roll No.	Name of Student	06/04/23	07/04/23	04/05/23	05/05/23
1	5	KUMBHAR AVISHKAR HANMANT	AB	K.A.H	K.A.H	K.A.H
2	6	WAGHAMARE MAYUR RAVINDRA	<del>MRW</del>	<del>MRW</del>	AB	<del>MRW</del>
3	7	ADITYA SHASHIKANT JAYKAR	AST	AST	AST	AST
4	8	SALUNKHE SHRUTI ANNA	SAS	AB	SAS	SAS
5	11	LAKKEBAILKAR KEDAR ARJUN	KAL....	KAL....	KAL....	KAL....
6	12	CHAVAN ASHITOSH PRALHAD	CHAVANA	CHAVANA	CHAVANA	CHAVANA
7	45	BABAR ANISHA ANIL	AB	A.A.Babar	AB	A.A.Babar
8	46	BOKHARE RUCHA SHARAD	<del>Rbhothare</del>	<del>Rbhothare</del>	<del>Rbhothare</del>	<del>Rbhothare</del>
9	47	NIKAM SAMRUDDHI SANDIP	SNikam	SNikam	SNikam	AB
10	48	YADAV PRATIK DATTATRAY	YADAV P	YADAV P	YADAV P	YADAV P
11	59	DABHADE SIDDHESH RAMESH	Siddhesh	Siddhesh	Siddhesh	Siddhesh
12	60	BHILARE AMIT SHANTARAM	A Bhilare	A Bhilare	A Bhilare	AB
13	61	GAIKWAD ARATI AJAY	Araikwad	AB	Araikwad	Araikwad
14	62	DHEKANE PRANAY JANARDAN	AB	Pranay	Pranay	Pranay
15	81	JADHAV SHREYAS ANIL	Jadhavsp	Jadhavsp	AB	Jadhavsp



16	99	SAWANT SHREYASH AMOL	Shreyash	Shreyash	AB	Shreyash
17	102	LAKHE HRISHIKESH YASHWANT	AB	Hakhe	Hakhe	Hakhe
18	109	KADAM RUTUJA UMESH	R.V.Kadam	R.V.Kadam	R.V.Kadam	AB
19	114	PISAL SAI KRUSHNA	Spisal	AB	Spisal	Spisal
20	115	NIKAM ASHISH SANJAY	Ashish...	Ashish...	Ashish...	Ashish...
21	116	JADHAV PRATHMESH NAVNATH	<del>PNT</del>	<del>PNT</del>	<del>PNT</del>	<del>PNT</del>
22	117	JADHAV KEDAR UMESH	AB	K.T.	AB	KT
23	118	CHAVAN SHIVAM VIJAY	<del>SVC</del>	<del>SVC</del>	<del>SVC</del>	<del>SVC</del>
24	119	KADAM ABHISHEK SANJAY	ASK	ASK	ASK	ASK
25	120	DESHMUKH DINESH SUDESH	Dinesh	AB	Dinesh	AB
26	123	PISAL DHAIRYASHEEL SANJAY	DSP	D.S.P	D.SP	D.S.P.
27	200	KADAM CHUNESHWAR VASANT	Kadam	Kadam	Kadam	Kadam
28	29	YAMGAR PRANAV PRAVEEN	P.Yamgar	P.Yamgar	AB	P.Yamgar
29	33	PAWAR KARAN NARAYAN	Pawar	Pawar	Pawar	Pawar
30	51	YADAV PRANOTI MOHAN	AB	P.M.Y	P.M.Y	P.M.Y.
31	52	PATODE PRATHMESH DINESH	Pratham	Pratham	Pratham	AB
32	65	CHAVAN SIDDHI SANTOSH	Siddhi	Siddhi	Siddhi	Siddhi
33	69	KUMBHAR SANIKA TUKARAM	Kumbhar	AB	Kumbhar	Kumbhar
34	93	SHINDE MAYUR SUNIL	M/S	M/S	M/S	M/S
35	101	POL AKASH VINOD	A.V.Pol	A.V.Pol	AB	A.V.Pol



Department of Physics  
Kisan Veer Mahavidyalaya, Wai  
Date: - 4<sup>th</sup> May, 2023

**Notice**

All the students of B.Sc. Part –II and III Physics are hereby informed that their final examination (Theory + Practical) of “*Certificate Course in Repair and Maintenance of Electronic Household Products*” will be held on **Wednesday, 11<sup>th</sup> May, 2023**. The students who remain absent for the examination will not get Certificate of the Course.

**CB**

Course Coordinator  
Department of Physics

**[Signature]**

Head  
Department of Physics  
**Head**  
**Department Of Physics**  
**Kisan Veer Mahavidyalaya, Wai**



**Janata Shikshan Sanstha's  
Kisan Veer Mahavidyalaya, Wai  
Department of Physics**

**Examination for Certificate Course in Repair and Maintenance of Electronic Household  
Products**

**Class: B.Sc. Part III**

**Date: - 11/05/2023**

**Marks: - 50**

**Time: - 3Hr.**

**Theory**

Q.1 Attempt any four questions of the following

20

- A. Identify and draw the symbols of given electronic components.
- B. Measure the values of given electronic components by using a multimeter.
- C. Trace out given electronic circuits.
- D. Draw neat labeled circuit diagram for doorbell.
- E. Find the fault in given instruments and write down its remedy.

**Practical**

Q.2 Attempt any two of the following questions

- A. Write a note on essential parts of iron. Also find fault in iron and remove it properly.
- B. Check the given electronic components using CRO
- C. Assemble given parts of fan.
- D. Prepare a household circuit electrical board by using two switches and socket. Draw neat labeled circuit diagram.



Head  
Department Of Physics  
Kisan Veer Mahavidyalaya, Wai



PRINCIPAL  
KISAN VEER MAHAVIDYALAYA  
Wai, Dist. Satara





Janata Shikshan Sanstha's

# Kisan Veer Mahavidyalaya, Wai

## Department of Physics

### Mark List for Certificate Course in Repair and Maintenance of Electronic Household Products 2022-23

Sr. No.	Class	Roll No.	Name of the Student	Marks Obtained		
				Theory (20)	Practical (30)	Total (50)
1	B.Sc. II	5	KUMBHAR AVISHKAR HANMANT	Ab	Ab	Ab
2	B.Sc. II	6	WAGHAMARE MAYUR RAVINDRA	14	25	39
3	B.Sc. II	7	ADITYA SHASHIKANT JAYKAR	Ab	Ab	Ab
4	B.Sc. II	8	SALUNKHE SHRUTI ANNA	15	25	40
5	B.Sc. II	11	LAKKEBAILKAR KEDAR ARJUN	16	26	42
6	B.Sc. II	12	CHAVAN ASHITOSH PRALHAD	Ab	Ab	Ab
7	B.Sc. II	45	BABAR ANISHA ANIL	14	28	42
8	B.Sc. II	46	BOKHARE RUCHA SHARAD	18	28	46
9	B.Sc. II	47	NIKAM SAMRUDDHI SANDIP	19	28	47
10	B.Sc. II	48	YADAV PRATIK DATTATRAY	Ab	Ab	Ab
11	B.Sc. II	59	DABHADE SIDDHESH RAMESH	12	24	36
12	B.Sc. II	60	BHILARE AMIT SHANTARAM	13	22	35
13	B.Sc. II	61	GAIKWAD ARATI AJAY	18	28	46
14	B.Sc. II	62	DHEKANE PRANAY JANARDAN	14	24	38
15	B.Sc. II	81	JADHAV SHREYAS ANIL	17	23	40
16	B.Sc. II	99	SAWANT SHREYASH AMOL	18	23	41
17	B.Sc. II	102	LAKHE HRISHIKESH YASHWANT	18	27	45
18	B.Sc. II	109	KADAM RUTUJA UMESH	17	26	43
19	B.Sc. II	114	PISAL SAI KRUSHNA	14	24	38
20	B.Sc. II	115	NIKAM ASHISH SANJAY	15	25	40
21	B.Sc. II	116	JADHAV PRATHMESH NAVNATH	13	23	36
22	B.Sc. II	117	JADHAV KEDAR UMESH	17	21	38
23	B.Sc. II	118	CHAVAN SHIVAM VIJAY	14	24	38
24	B.Sc. II	119	KADAM ABHISHEK SANJAY	13	28	41



25	B.Sc. II	120	DESHMUKH DINESH SUDESH	14	27	41
26	B.Sc. II	123	PISAL DHAIRYASHEEL SANJAY	13	26	39
27	B.Sc. III	200	KADAM CHUNESHWAR VASANT	15	26	41
28	B.Sc. III	29	YAMGAR PRANAV PRAVEEN	16	24	40
29	B.Sc. III	33	PAWAR KARAN NARAYAN	14	25	39
30	B.Sc. III	51	YADAV PRANOTI MOHAN	18	29	47
31	B.Sc. III	52	PATODE PRATHMESH DINESH	17	29	46
32	B.Sc. III	65	CHAVAN SIDDHI SANTOSH	19	29	48
33	B.Sc. III	69	KUMBHAR SANIKA TUKARAM	20	29	49
34	B.Sc. III	93	SHINDE MAYUR SUNIL	14	25	39
35	B.Sc. III	101	POL AKASH VINOD	14	24	38

*CB*

Course co-ordinator  
Department of Physics

*[Signature]*

Head

Department of Physics

Head

Department Of Physics

Kisan Veer Mahavidyalaya, Wai

*[Signature]*

Principal

Kisan Veer Mahavidyalaya, Wai

PRINCIPAL

KISAN VEER MAHAVIDYALAYA

Wai, Dist. Satara

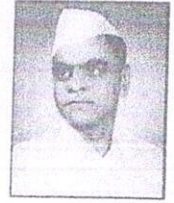




Janata Shikshan Sanstha's

**KISAN VEER MAHAVIDYALAYA, WAI**

**DEPARTMENT OF PHYSICS**



**CERTIFICATE COURSE IN REPAIR AND MAINTENANCE OF ELECTRONIC  
HOUSEHOLD PRODUCTS**

This is to certify that Mr./Miss. Gajkward Arati Ajay of  
B.Sc.-I/II/III has successfully completed CERTIFICATE COURSE IN REPAIR AND  
MAINTENANCE OF ELECTRONIC HOUSEHOLD PRODUCTS which was conducted by  
Department of Physics, Kisan Veer Mahavidyalaya, Wai, Dist. Satara during academic year  
2022-2023.

Course Coordinator  
Department of Physics

Head  
Department of Physics

Principal  
Kisan Veer Mahavidyalaya, Wai