



Shri Shivaji Education Society, Amravati's
**MAHATMA FULE ART'S, COMMERCE & SITARAMJI
CHAUDHARI SCIENCE MAHAVIDYALAYA, WARUD**
(Estd.1960) Pin Code-444906 Dist- Amravati (M.S.), Ph. (Off.): 07229-232022
(NAAC Reaccredited with 'B' Grade)

Waste Management Committee

Objectives of Waste Management Committee.

1. Solid Waste – We collect the waste from all department sort out and some biodegradable waste used in vermicomposting
2. E Waste – Electronic department manage the E- waste
3. Biomedical Waste – Our waste management committee make and agreement with the poddar hospital to collect the biomedical waste from some department (hazardous chemical and biomedical waste).
4. Liquid Waste – Recycling of waste water

Principal
Mahatma Fule Arts, Commerce & Sitaramji
Chaudhari Science Mahavidyalaya, Warud

Solid Waste Management (Vermi compost)



MH MSH 10, Warud, Maharashtra 444906, India
 Latitude 21.475161° Longitude 78.264568°

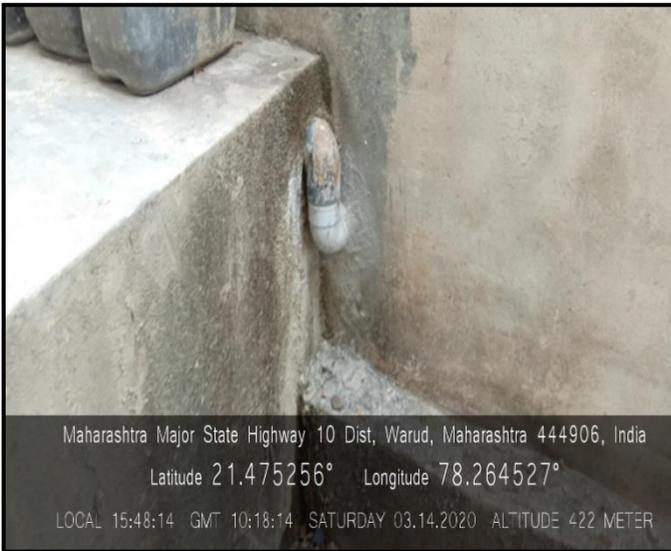
LOCAL 15:46:51 GMT 10:16:51 SATURDAY 03.14.2020 ALTITUDE 424 METER



MH MSH 10, Warud, Maharashtra 444906, India
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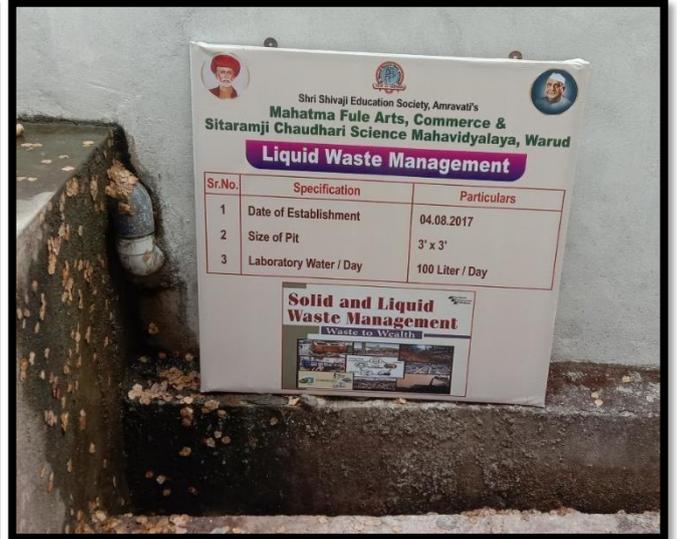
LOCAL 15:45:55 GMT 10:15:55 SATURDAY 03.14.2020 ALTITUDE 426 METER

Liquid Waste Management



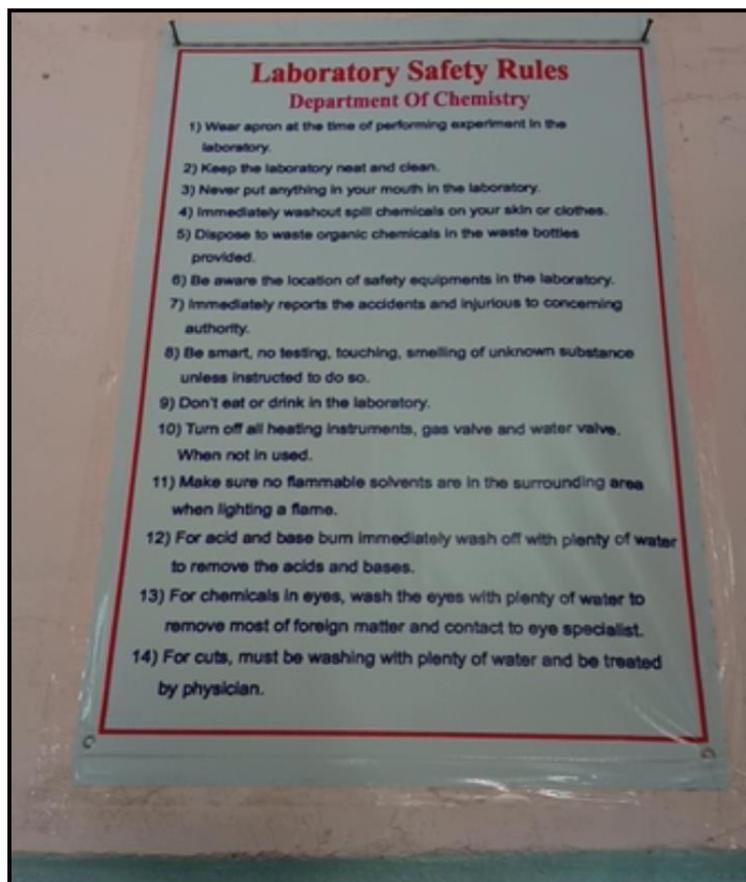
Maharashtra Major State Highway 10 Dist, Warud, Maharashtra 444906, India
 Latitude 21.475256° Longitude 78.264527°

LOCAL 15:48:14 GMT 10:18:14 SATURDAY 03.14.2020 ALTITUDE 422 METER




Principal
 Mahatma Fule A.C. & Sitaramji
 Choudhari Science College, Warud

Laboratory Safety Rules for students and Staff



MH MSH 10, Warud, Maharashtra
444906, India

Latitude

21.475417°

Longitude

78.264698°

LOCAL 15:48:37

SATURDAY 03.14.2020

GMT 10:18:37

ALTITUDE 422 METER

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Choudhari Science College, Warud

**MAHATMA FULE ARTS, COMMERCE AND SITARAMJI
CHAUDHARI SCIENCE MAHAVIDYALAYA, WARUD**

Solid waste Management (Vermicompost)

2021-22

Vermicompost Project run by the Department. To contribute a bit in keeping environment clean and tidy. To help beneficiaries by providing low cost organic manure as compared to expensive chemical fertilizers. As earthworms are known as small industry producing organic manure, the institution has a novel project of producing vermicompost started from academic session **2021-22**. having motive of helping students and their parents engaged in farming. The students are engaged from the beginning of the session. They are given technical and systematic knowledge regarding the project. The dire and urgent necessity of it is underlined. On Sundays and holidays they pick up garbage and disposable wastes from their catchment areas and contribute in the project. The packet vermicompost sold out on nominal prize of rupees 20 per packet of 1 KG



Shri Shivaji Education Society, Amravati's
Mahatma Fule Arts, Commerce &
Sitaramji Chaudhari Science Mahavidyalaya,
Warud, Dist. Amravati

**Department of Zoology
Vermicompost**

No. **069** Date : _____

Received with thanks, Rs. 100/-

From Mr/Miss/Mrs Pandkar's sis

As purchasing Vermicompost bag.

No. of Bag..... 5 Weight 5kg

Rs. 100/- Sign. [Signature]

Selling of Vermicompost to Farmer

[Signature]
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Choudhari Science College, Warud

**Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science
Mahavidyalaya Warud, Dist. Amravati**

Department of Zoology

In charge – Dr. Ahmad Shahzad

Vermicompost Balance Sheet

21-22 year

No of Packet sell (1Kg)	Rs. (20/kg)	Total Amount
104 (Rs.20 per kg) Receipt No 43-69 (Available Record)	104×20	2080
	Total	2080


Head of Department

**Head
Deptt. of Zoology
Mahatma Fule Arts & Comm. &
Sitaramji Chowdhri Science Mahavidyalaya
Warud, Dist. Amravati**



**Principal
Mahatma Fule Arts, Commerce & Sitaramji
Chaudhari Science Mahavidyalaya, Warud**


In-Charge
24-12-22

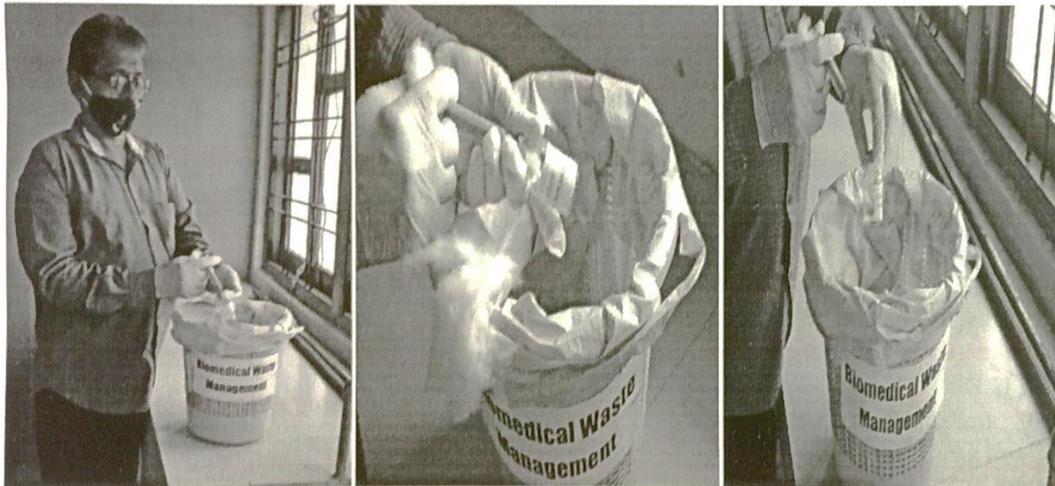


Biomedical Waste Management

**MAHATMA FULE ARTS, COMMERCE & SITARAMJI CHAUDHARI
SCIENCE MAHAVIDYALAYA, WARUD
Department of Zoology
BioMedical Lab Technique**

Biomedical waste Management

Department of Zoology running biomedical lab technique course under career oriented program from 2007 . in this program biomedical waste management is one of the important issue for the department . In that direction Biomedical waste treatment dustbin is set up where biomedical waste generated in the lab. We occupied necessary steps to ensure that biomedical waste is handle carefully. We used of chlorinated plastic bags , gloves and other necessary wherever needed. We shall not be stored beyond a period of 48 hours. Department Labeling the container .




Principal.
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Choudhari Science College, Warud

E-Waste Management

Mahatma Fule Arts Commerce and Sitaramji Chaudhary Science Mahavidhyalay Warud

E Waste Management system Report 2021-22

E_waste:

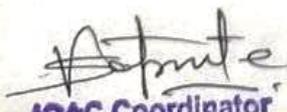
"E-waste" is a popular, informal name for electronic products nearing the end of their "useful life." E-wastes are considered dangerous, as certain components of some electronic products contain materials that are hazardous, depending on their condition and density. The hazardous content of these materials pose a threat to human health and environment. Discarded computers, electronic instruments. Printers, electronic watch, fax machines, electric lamps, cell phones, audio equipment and electronic components if improperly disposed can leach lead and other substances into soil and groundwater. Many of these products can be reused, refurbished, or recycled in an environmentally sound manner so that they are less harmful to the ecosystem.

Objective:

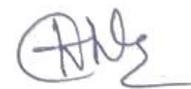
In college many electronics instruments are used in laboratory as well as in office. These instruments are having electronic components. This is not reuse when they were damage. E-waste management suffer from quite a few disadvantages like appropriate inventory, unhealthy conditions of informal recycling, inadequate legislation, poor awareness and reluctance on part of the college to address the critical issues involved. As such, these lead to toxic materials entering the waste stream with no special precautions. To avoid the known adverse effects on the environment and human health and recoverable by-products are wasted. when economically valuable materials are dumped or unhealthy conditions are developed during the informal recycling.

Current Practice:

Department collected the wasted components and parts such as SMPS, Transformer, Keyboard, PCB, ICs, Battery, Mouse, connecting probes, electronic components etc. and repaired it in repairing center. Components which are reusable are use in another electronics circuit such as projects prepared by students. Those components which are not repairable then it is exchanged with local shopkeeper or dealer. Some electronic instruments have low quality/improper functioning components which have to be disposed. Besides simple repairing, some broken/non functional instruments which are not repairable are collected together. Then by taking permission from higher authority in LMC, this scrap material means garbage generated from wasted is handed over to garbage man to get it disposed off in non hazardous way.


IQAC Coordinator
Mahatma Fule Arts, Commerce and
Sitaramji Chaudhari Science
Mahavidyalaya, Warud, Dist. Amravati




PRINCIPAL,
Mahatma Fule Arts, Com. & Sitaramji
Chaudhari Science Mahavidyalaya,
Warud, Dist Amravati

**MAHATMA FULE ARTS, COMMERCE AND SITARAMJI
CHAUDHARI SCIENCE COLLEGE, WARUD.
DIST. AMRAVATI 444906 (M.S.)**

NAAC Reaccredited with 'B' Grade

DEPARTMENT OF CHEMISTRY

Report on Liquid Waste Management

Session 2021-22

Liquid waste generated from the chemistry laboratory collected in collecting tank and check the pH of that waste. Neutralise it by using sulphuric acid or with Sodium hydroxide solution and after neutralizing dump that liquid waste into soak pit.

Due to Lockdown because of COVID 19 pandemic colleges are shut down to conduct practical classes. The data mentioned below indicates liquid generated during the cleanliness of laboratory.

Details for liquid waste generated are summarized as follows.

Month	Liquid waste generated	pH	Acid required	Base Required	Final pH
July	22 L	5.4	Nil	0.43 L	7
August	14 L	6.8	Nil	0.34 L	7
September	11 L	6.2	Nil	0.25 L	7
October	24 L	6.9	Nil	0.30 L	7
November	23 L	6	Nil	0.35 L	7
December	21 L	6.2	Nil	0.32 L	7
January	22 L	5.9	Nil	0.52 L	7
February	25 L	6	Nil	0.24 L	7
March	18 L	6.9	Nil	0.30 L	7


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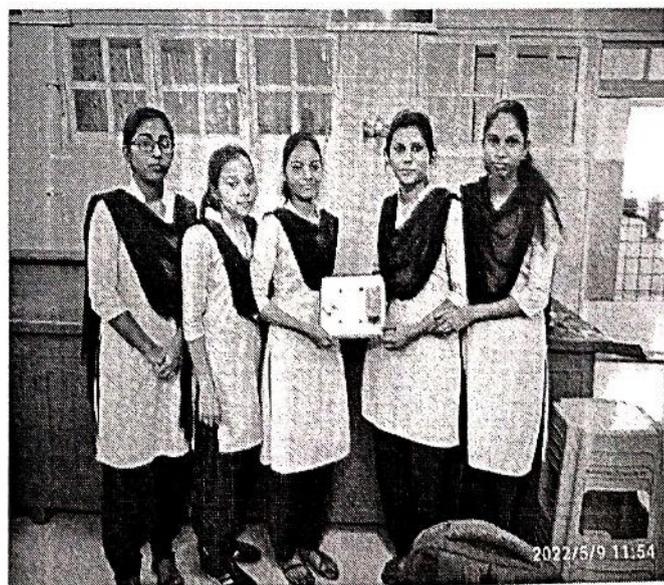
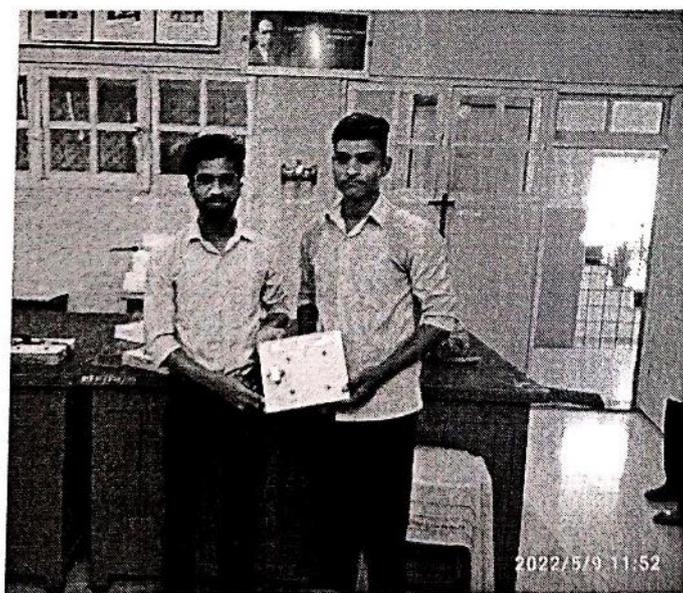
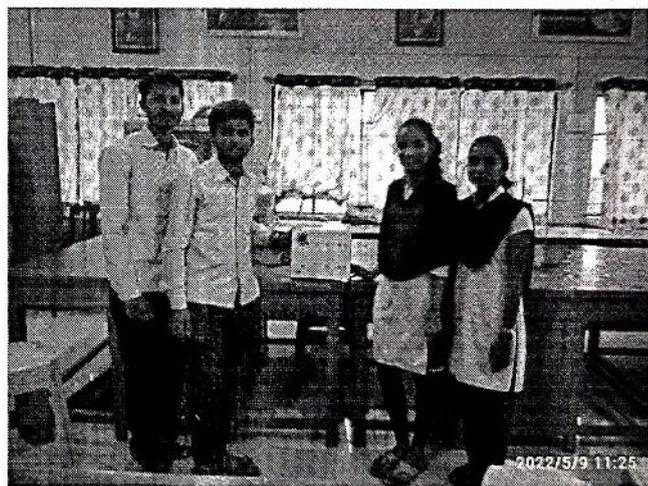
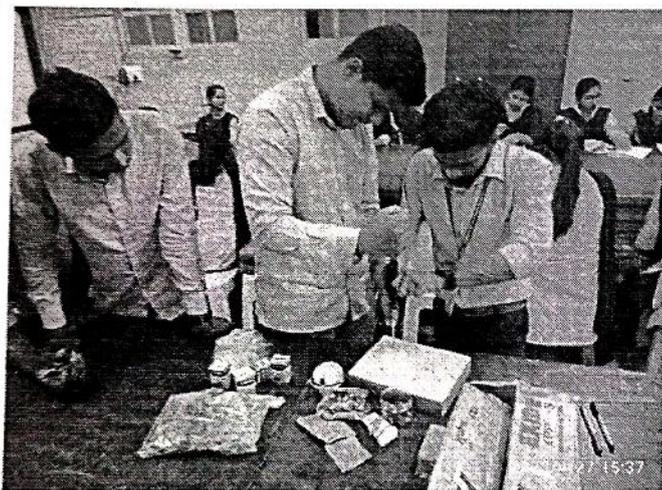
Shri. Shivaji Education Society, Amravati's
Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science College, Warud, Dist. Amravati

Department of Physics

A Report on

"In house Fabrication of Experimental Kits 2021-22"

This is the part of one of the Best Practice of Department of Physics. Students of B.Sc. Physics are inspired and motivated to learn and develop the experimental kits on their own. There is large number of experimental kits available in the market which cost a lot to the college and their purchase is difficult most of the time. Hence physics students are encouraged to develop kits in the department itself. All the raw materials are made available to the students group. Students are demonstrated the know-how and fabrication of the kits. Students follow the instructions and prepare the kits on their own.



For the session 2021-22, Six experimental kits have been prepared by B.Sc. I and II year students and have saved approximately Rupees 70100/-. The details of the experimental kits fabricated by the students are as follows:

Sr. No.	Session	Name of Experimental kit fabricated in lab	Expenditure incurred in Rs. (Approx.)	Market Price in Rs. (Approx.)	Quantity prepared	Savings Per Item in Rs. (Approx.)	Total Savings in Rs. (Approx.)
1.	2021-22	Zener Diode as a Voltage Regulator	500/-	3600/-	02	3100/-	6200/-
2.		Determination of Inductance of a coil by phasor diagram method	450/-	17950/-	02	17500/-	35000/-
3.		Determination of Capacitance by phasor diagram method	350/-	14800/-	02	14450/-	28900/-
Total Saving							Rs. 70100/-


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