

## Academic Year: 2021-22

<b>Activity No</b>	<b>01: Reuse of E-waste for Development of Experimental Kits</b>
<b>Aim</b>	One Day Workshop on “Reuse of E-waste for Development of Experimental Kits
<b>Date:</b>	01/09/2021
<b>Objectives:</b>	<ul style="list-style-type: none"> <li>➤ To learn reuse of components of dead stock</li> <li>➤ To mount the component on board using soldering.</li> <li>➤ To build and Test the circuit.</li> </ul>
<b>Evidences of success:</b>	<ul style="list-style-type: none"> <li>➤ Students got knowledge about steps involved in PCB making.</li> <li>➤ Students learned how to reuse components from waste gadgets.</li> <li>➤ Students learned E-waste management</li> </ul>
<b>Context:</b>	The electronic science subject has been introduced in science faculty as bridging gap between science, technology and engineering. One of the features of F.Y./S.Y./T.Y. electronic science syllabus is that it copes with present industrial needs of the technical and engineering supports. So our students can easily find jobs in electronic industries. The toughest challenge to our students is the unavailability of local Electronic Industries/Factories. They have to go far in metropolitan cities like Pune, Mumbai and Bangalore etc.
<b>Report:</b>	Department of Electronic Science organized one day workshop on 1 Sep. 2021 for F.Y.B.Sc students. Departmental staff trained students about identification of components, testing of components and PCB making. The students learned how to reuse components from waste gadgets. This help to reduce the e-waste generated by recycling and save the environmental pollution as well as cost of purchasing new kits. This also improves the subject knowledge of the students in such a way that, they can apply this knowledge for their daily life activities.
<b>Problem Encounter and resources</b>	The big problem we encountered during conduction of best practices was the limitation of funding from BCUD, Pune. So, we had collected some nominal fees from participating students to make the activity successful. All types of electronics testing and measuring lab instruments were available in our lab. A little problem of the unavailability of Arduino Uno boards was faced but it was then overcome by self-finance. While organizing such hands on training workshop, we require help of Industrial person. To solve bridging gap between syllabi and industrial requirement, such type of training workshops are needed. Due to change in technology and syllabi, organizing such type of hands on training would be need of the future.

**Photo:**



**List of the Participants:**

<b>Sr. No</b>	<b>Name of the Participants (Staff and Students)</b>	<b>Sr. No</b>	<b>Name of the Participants (Staff and Students)</b>
1	Dr.S.C.Kulkarni	21	Gawali Harshali Vijay
2	Dr. D.K.Halwar	22	Hiray Shubham Arunrao
3	Ms. V.T.Salunke	23	Kadam Atul Prakash
4	Dr. H.P. Suryawanshi	24	Kadnor Bhagayashri Chandrakant
5	Ahire Samiksha Samadhan	25	Khairnar Gaurav Arun
6	Rohini Rohidas Ahire	26	Kharat Tushar Samadhan
7	Bachhav Kamini Sharad	27	Thakur Sanket Sudhakar
8	Bachhav Mayuri Bharat	28	Mali Akshay Sambhaji
9	Bhadane Rupali Santosh	29	More Lalit Bapu
10	Bhamare Niraj Vijay	30	Anand Bhausahab Nikam
11	Bhoye Rupesh Pandit	31	Sarthak Rajendra Nikam
12	Bichkule Dinesh Raghunath	32	Shelar Snehal Nemichand
13	Borse Himani Sopan	33	Patil Perna Ravindra
14	Borse Kalyani Prabhakar	34	Patil Avishkar Shashikant
15	Daitkar Shital Bhausahab	35	Pawar Dhanshree Balu
16	Deore Chetana Samadhan	36	Sagar Rajashri Gokul
17	Deore Sayali Nana	37	Sagar Swapnil Bhausahab

	18	Dhanwat Nitin Sunil	38	Sawant Nikita Prakash
	19	Kapase Priyanka Sanjay	39	Sawant Gaurav Vijay
	20	Khairnar Pranita Subhash	40	Shah Rakesh Laxman