

Domestic Maintenance Engineering Workshop

02-11-2019

Abstract

Domestic Maintenance Engineering (DME) aptly nicknamed as **Tinker Things** encourages students to repair consumer electronics themselves. The workshop was conducted on 2nd of November 2019 at Alumni Block. The workshop was conducted by Social Research Society (SRS) members Salman N S and Sachin B. Staff-in-Charge Vinod G was also present.

1 Objectives of DME

DME aims at making engineering students capable of troubleshooting and debugging their own stuff. The workshop is only a first step towards this goal. During the workshop attendees were familiarized with common household electrical and electronics equipments as well as lab equipments. They were also asked to dismantle and reassemble each of these equipments. As the next step DME plans to institute a repair centre at the college. DME volunteers will be repairing equipments collected from students and faculty without levying any service charge in such repair centre. Gradually once the system becomes robust enough it will be opened to the general public.

2 Participation

List of Participants

No. of First year attendees: 0
 No. of Second year attendees: 5
 No. of Third year attendees: 1
 No. of Fourth year attendees: 6

Total No. of attendees: 12

3 Workshop Details

3.1 Theory Explanation

The forenoon session of the workshop was dedicated for theory. Students were familiarized with working of common household equipments. An in depth discourse was delivered on the topics like ceiling fan, CRT Television, different types of electric motors, blade grinder and desktop computer. Along with working, common bugs and troubleshooting methods were also told. Attendees were made aware of the good practices and 'not to do's while trouble shooting.

3.2 Practical Session

The whole afternoon was dedicated for exploring and applying what have been taught during the previous session. DME had collected wide variety of faulty appliances for this purpose. Honourable instructors of the workshop had also brought with them some equipments. These equipments were sorted into groups and were kept on different tables. Attendees were divided into small groups and were asked to dismantle and troubleshoot the equipment on a random table. This, according to the instructors, was the 'first step in over coming the fear to repair by oneself'. Any doubts ,as and when they arose, were cleared exclusively for the group at their table.

4 Conclusions and Suggestions

The workshop had faced a number of serious hurdles in every stage of it's planning and execution. The participation was significantly low due to some unforeseen issues. However DME was able to successfully conduct the workshop and was able to meet it's objectives to an extent.

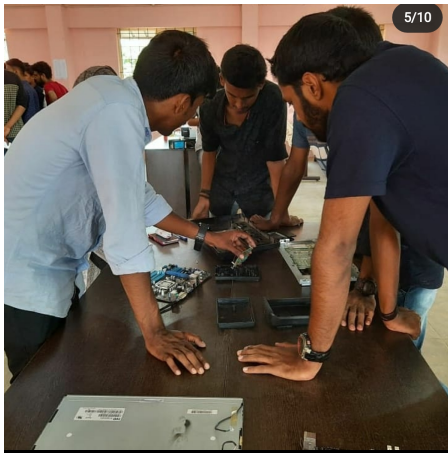


Figure 1: Tinkering things



Figure 2: Vinod sir addressing students



Figure 3: Poster