Support of communities during pandemic, part 1

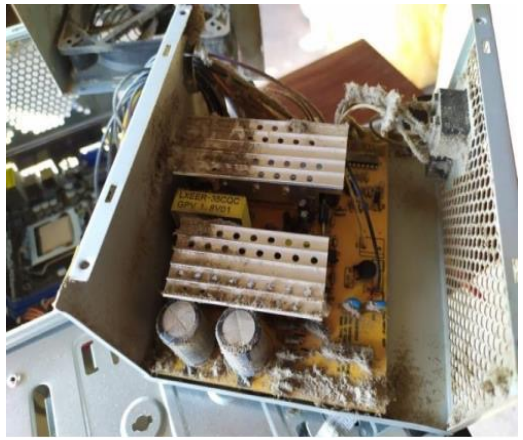
Internet Society
Armenia Chapter

Services and Internet connection for used computers donated to schools within the framework of COVID initiative

1. Because of COVID spread, all schools of Armenia were transferred to on-line education. As there was a lack of computers in schools and private ownership, the government of Armenia called IT companies to provide their old, used computers to schools. It was done. Computers were donated to schools by IT companies. However, those computers were mostly non-operational, have missing parts, like RAM, network adapters, old motherboard batteries, coolers, and outdated software. ISOC Armenia Chapter considers the IT help to the vulnerable groups one of its main tasks and decided to take the job. There is also a need of Internet-connected computer at home for school students. Our goal was to restore 50 used computers donated to schools to the operational level. The objective was to make online education possible for school students.

ISOC Armenia Chapter is widely known for its help to schools and libraries. We are now servicing a lot of rural schools and libraries either remotely with the help of Anydesk program or off-line when schools and libraries deliver their non-working computers to us.

2. Hardware repairs of school and student home computers included:
-Cleaning of computer cases



It is seen on the pictures how dusty are the inner parts of the computer cases. The dust can violate the normal operation of a computer, so it should necessarily be cleaned.

Upgrade of CPUs

Replacement of damaged RAMs

Replacement of overheated CPUs

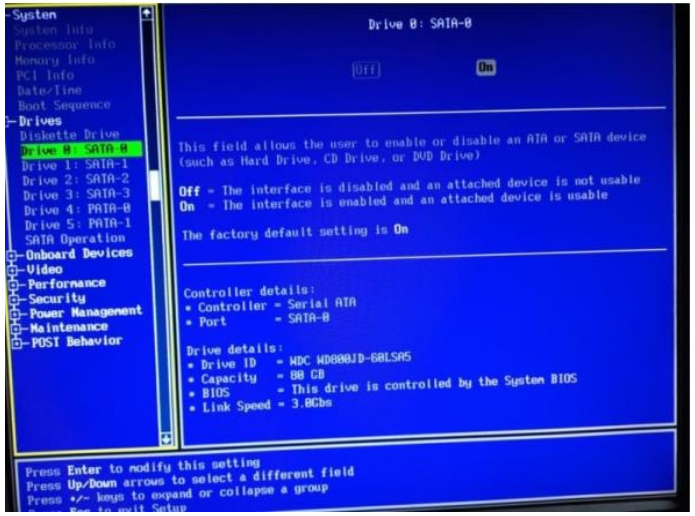
Repair or replacement of computer power supply units

Cleaning of coolers, repair, lubrication or replacement

Installation of operating systems

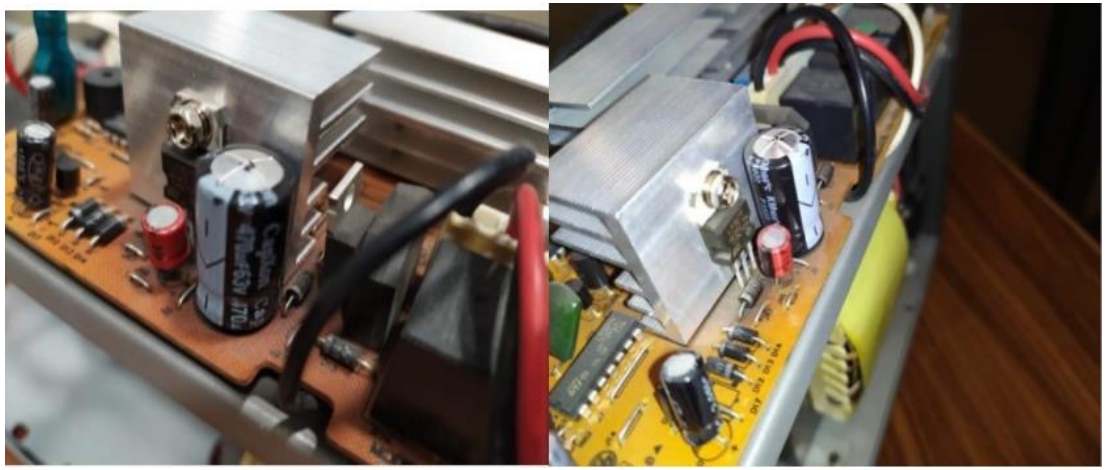
Remove dried thermal paste of the CPU chip and apply the new one. Bad contact of a chip with the cooler can cause overheating of the chip and a failure of the computer. As it is seen from the picture the paste of the most of computers was dried and didn’t provide a good contact.

BIOS elements update



Replacement of damaged motherboards.

Replacement of swollen capacitors



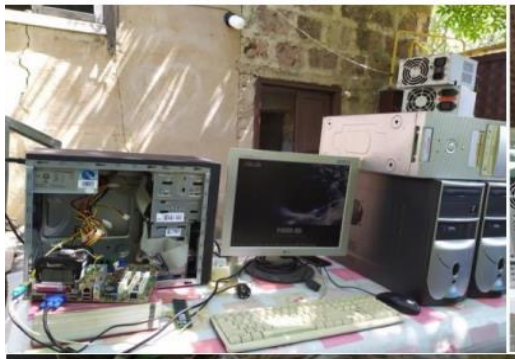
In total, 60 computers were repaired and upgraded.

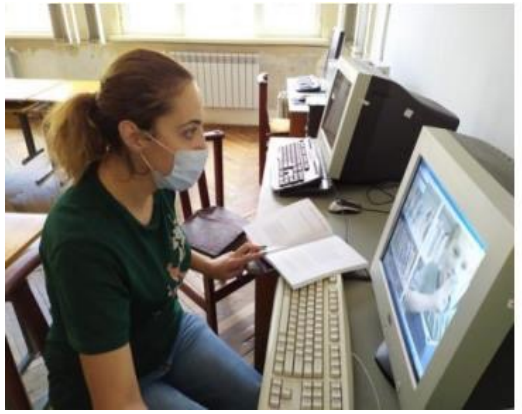
3. School No 8 of Hrazdan city.

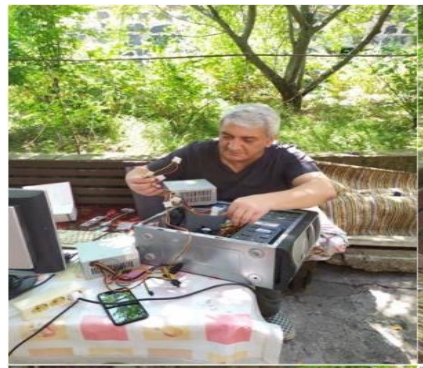
Director - Gorg Grigoryan.

21 computers were repaired and upgraded.

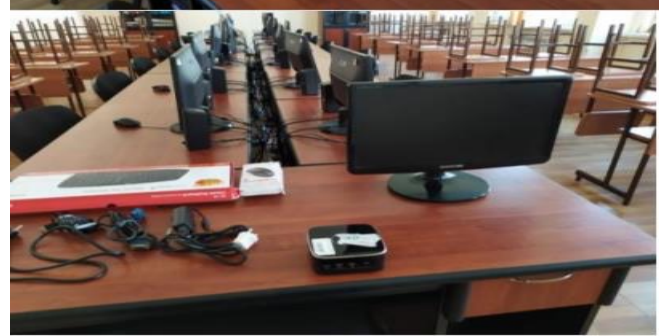
Computer repair and upgrade process is shown on the following pictures:







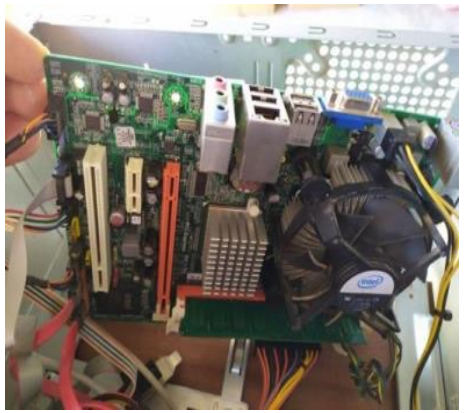
Engineering
laboratory



4. Basic school No 136 of Yerevan.

Teachers: Marine Gorgyan, Susanna Mailyan. 20 computers were repaired and upgraded.

Computer repair and upgrade process is on the following pictures:



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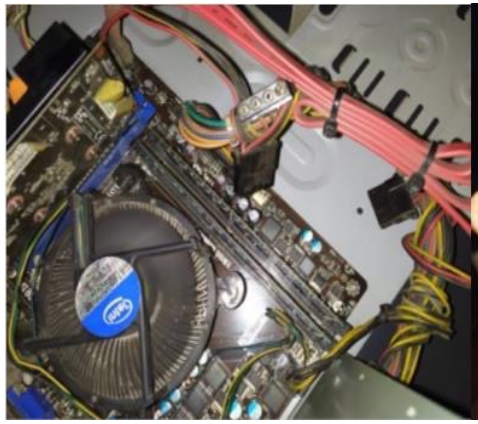
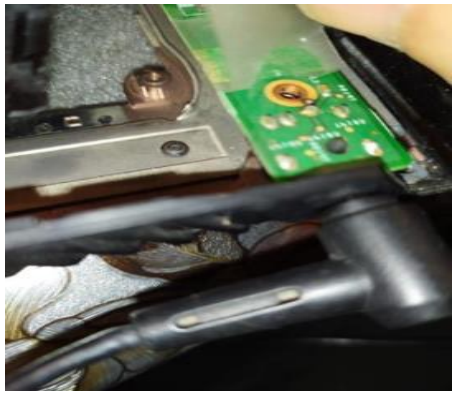
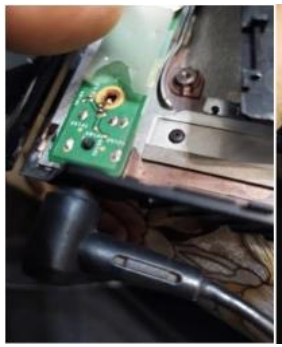
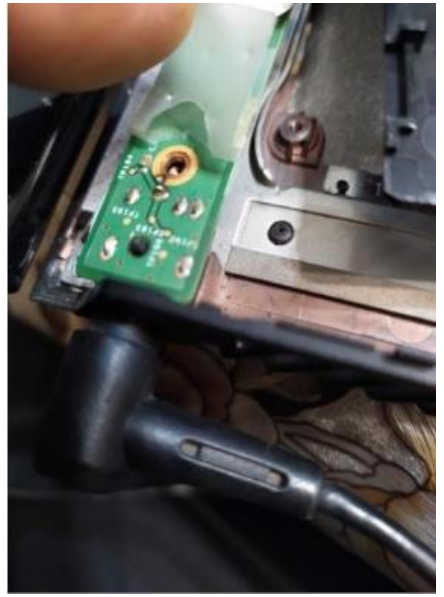
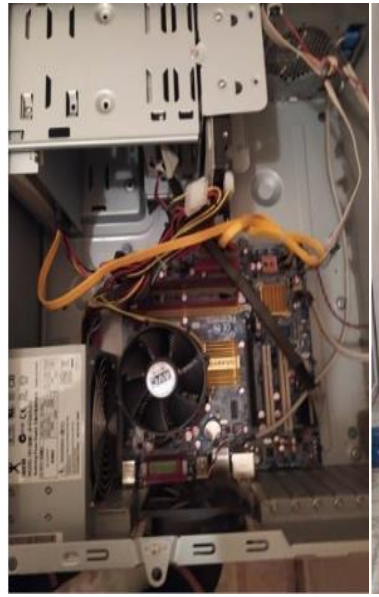






POWER SUPP



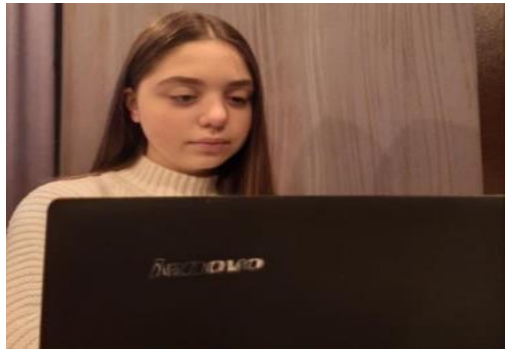


5. Renovation of personal home computers of school students (total 19).

Norik Vardanyan

Sayadyan Aramayis

Anahit Nazaryan

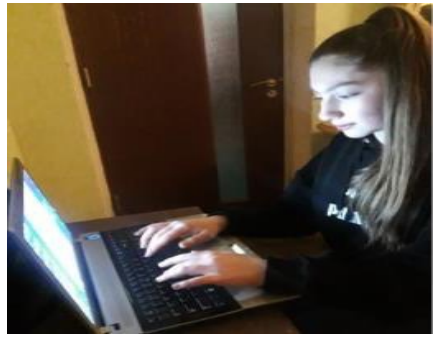


Hranush Petrosyan

David Margaryan

Alvard Vanesyan

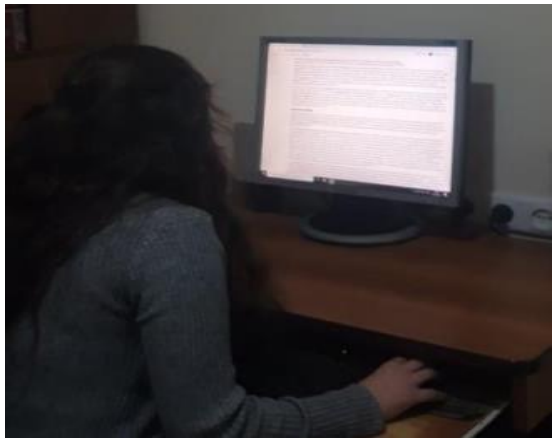
Abajyan Susie



Mariam Abajyan

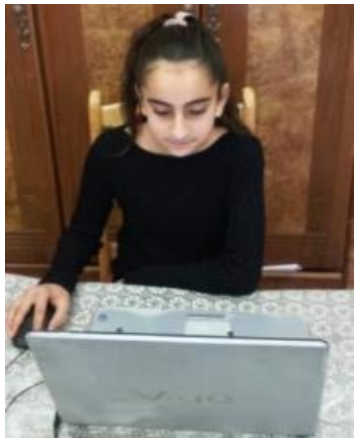
Shahverdyan Aram

Veronica Mantashyan



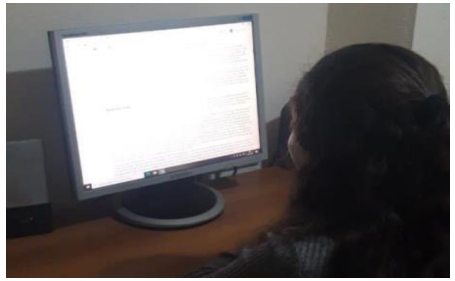
Anahit Shahnazaryan

Karine Manasyan



Sargsyan Arman

Mary Ghazaryan



Katrin Manukyan

Melkonyan Hayk

Ruzanna Gorgyan

Computer provided to a student at the discretion of the school

6. ISOC Armenia Chapter continues servicing the computers remotely with the help of Anydesk remote service program.

The budget of the grant was spent on:
- Salary of service engineers bringing used computers in order.
- Purchase of computer parts.
- Publishing the project in social networks and on the web.
- Financial services.